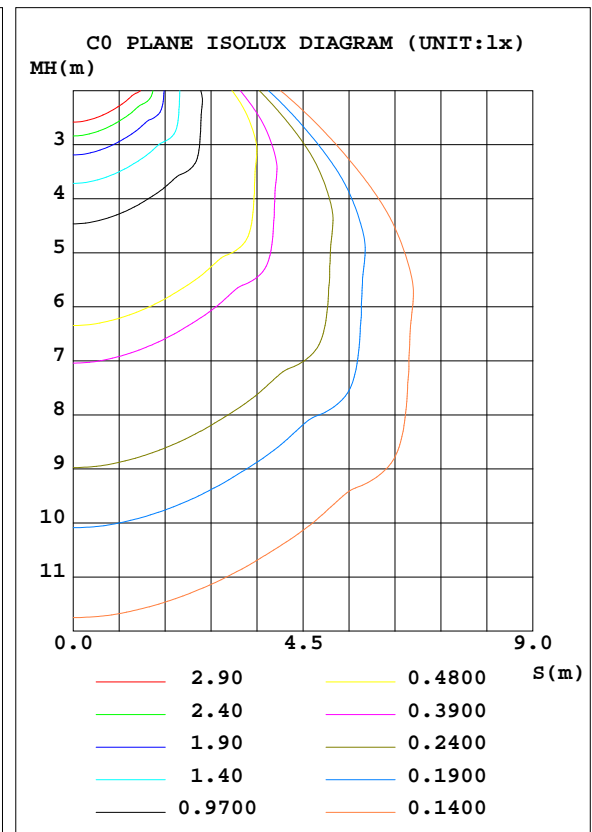
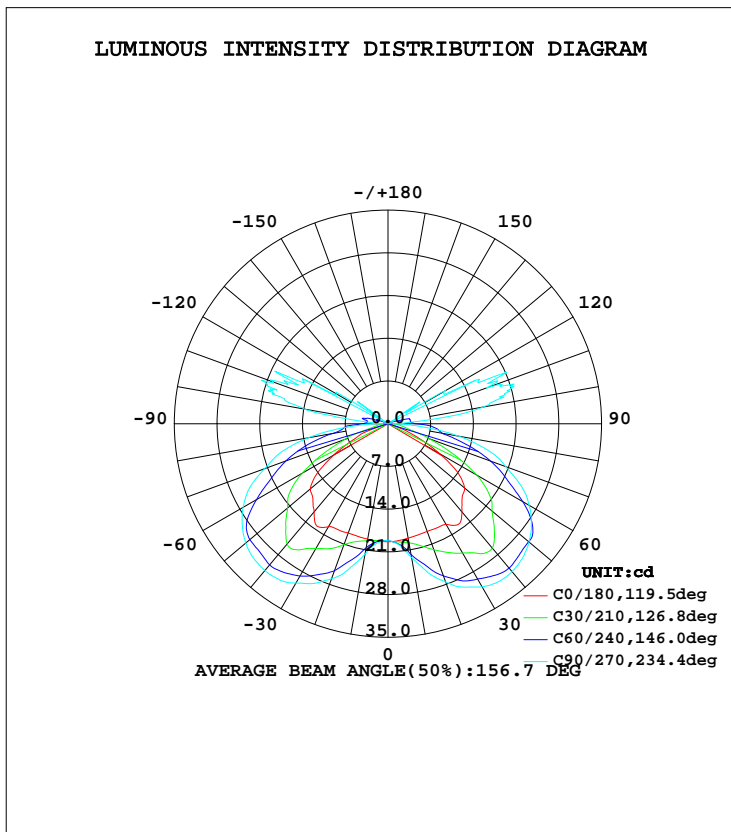


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.931x1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	RVS0416L30D1BKGD	Imax(cd)	32.40	S/MH(C0/180)	1.56
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	2.13
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	121.93	η UP, DN(C0-180)	4.9,44.9
NOMINAL FLUX(lm)	121.931	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.8,45.3
LAMPS INSIDE	1	η up(%)	9.7	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120.6	η down(%)	90.3	CIBSE SHR MAX	1.75



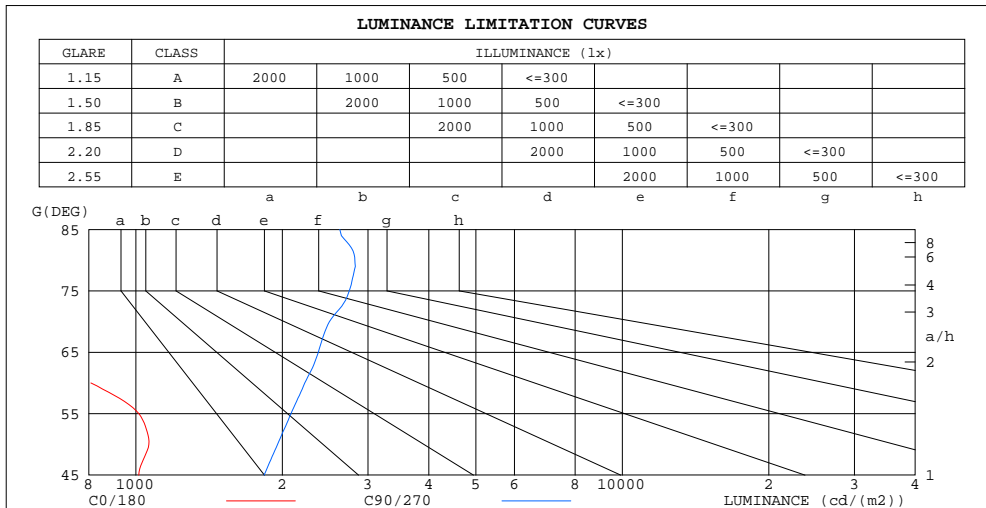
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:yechihong
 Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity:70%
 Test Distance:8.425m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	19.23	19.59	19.87	19.51	19.29	19.28	19.59	19.45	0- 5	0.4624	0.4624	0.38,0.38
10	19.04	20.67	22.27	20.44	19.20	19.98	21.67	20.27	5- 10	1.426	1.888	1.55,1.55
15	18.87	22.51	25.22	22.38	19.11	21.61	24.57	22.04	10- 15	2.522	4.410	3.62,3.62
20	18.78	24.45	27.57	24.39	19.07	23.58	27.03	24.08	15- 20	3.768	8.178	6.71,6.71
25	18.86	26.07	29.54	26.07	19.19	25.36	28.88	25.87	20- 25	5.102	13.28	10.9,10.9
30	19.03	27.48	30.86	27.34	19.48	26.69	30.15	27.15	25- 30	6.469	19.75	16.2,16.2
35	20.13	28.37	31.58	28.27	20.40	27.52	31.14	28.09	30- 35	7.863	27.61	22.6,22.6
40	18.85	29.11	31.62	29.15	18.84	28.30	31.37	29.18	35- 40	9.140	36.75	30.1,30.1
45	17.20	28.96	31.15	28.76	17.41	28.08	31.16	29.63	40- 45	9.998	46.75	38.3,38.3
50	16.40	26.81	30.17	26.38	16.61	25.93	30.40	27.96	45- 50	10.50	57.25	47,47
55	13.96	23.95	28.68	23.52	14.17	23.10	29.15	25.13	50- 55	10.64	67.89	55.7,55.7
60	9.701	20.94	26.69	20.74	10.26	20.25	27.41	22.25	55- 60	10.20	78.09	64,64
65	5.528	17.10	24.05	17.18	6.428	16.72	25.08	18.80	60- 65	9.161	87.25	71.6,71.6
70	2.331	12.44	20.52	13.08	3.872	12.52	21.50	14.35	65- 70	7.675	94.93	77.9,77.9
75	0.3678	7.981	17.06	8.684	0.3062	8.318	18.19	9.567	70- 75	5.894	100.8	82.7,82.7
80	0.1408	5.740	11.75	5.623	0.0905	5.128	13.23	6.408	75- 80	4.325	105.1	86.2,86.2
85	0.0408	3.562	5.491	3.346	0	3.195	6.974	4.034	80- 85	2.935	108.1	88.6,88.6
90	0	2.374	0.9694	2.248	0	2.155	2.057	2.725	85- 90	1.968	110.0	90.3,90.3
95	0	1.560	5.558	1.466	0	1.415	3.268	1.764	90- 95	1.364	111.4	91.4,91.4
100	0	0.9980	15.89	0.9436	0	0.9162	14.04	1.116	95- 100	1.779	113.2	92.8,92.8
105	0	0.6697	20.68	0.6407	0	0.6157	19.28	0.7107	100-105	2.169	115.4	94.6,94.6
110	0	0.5024	17.15	0.5004	0	0.4685	20.00	0.4934	105-110	2.322	117.7	96.5,96.5
115	0	0.4166	16.26	0.4210	0.0091	0.3960	20.46	0.3939	110-115	1.984	119.7	98.1,98.1
120	0	0.3305	10.88	0.3462	0.0270	0.3372	9.836	0.3170	115-120	1.362	121.0	99.3,99.3
125	0.0136	0.2467	4.599	0.2716	0.0317	0.2717	3.174	0.2401	120-125	0.5249	121.6	99.7,99.7
130	0.0272	0.1516	0.4834	0.1810	0.0453	0.1788	0.5120	0.1494	125-130	0.1470	121.7	99.8,99.8
135	0.0317	0.0905	0.1854	0.1222	0.0498	0.1313	0.2311	0.1110	130-135	0.0721	121.8	99.9,99.9
140	0.0317	0.0679	0.1628	0.0928	0.0498	0.1019	0.1720	0.0792	135-140	0.0427	121.8	99.9,99.9
145	0.0317	0.0679	0.1222	0.0860	0.0498	0.0883	0.1630	0.0724	140-145	0.0313	121.8	99.9,99.9
150	0.0317	0.0679	0.0770	0.0860	0.0498	0.0883	0.1177	0.0724	145-150	0.0231	121.9	100,100
155	0.0363	0.0679	0.0770	0.0837	0.0498	0.0860	0.0996	0.0792	150-155	0.0181	121.9	100,100
160	0.0407	0.0679	0.0770	0.0792	0.0498	0.0860	0.1040	0.0770	155-160	0.0149	121.9	100,100
165	0.0407	0.0679	0.0770	0.0792	0.0498	0.0837	0.0951	0.0770	160-165	0.0116	121.9	100,100
170	0.0407	0.0679	0.0770	0.0792	0.0498	0.0859	0.0862	0.0770	165-170	0.0082	121.9	100,100
175	0.0453	0.0679	0.0770	0.0770	0.0498	0.0815	0.0860	0.0770	170-175	0.0049	121.9	100,100
180	0.0498	0.0679	0.0770	0.0747	0.0498	0.0770	0.0770	0.0770	175-180	0.0016	121.9	100,100
DEG	LUMINOUS INTENSITY:cd MAX (Ii - Iavg)/Iavg (0-135) = 135.6 %									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	20	2625
80	34	2819
75	59	2746
70	284	2499
65	545	2371
60	808	2224
55	1014	2083
50	1063	1955
45	1013	1835

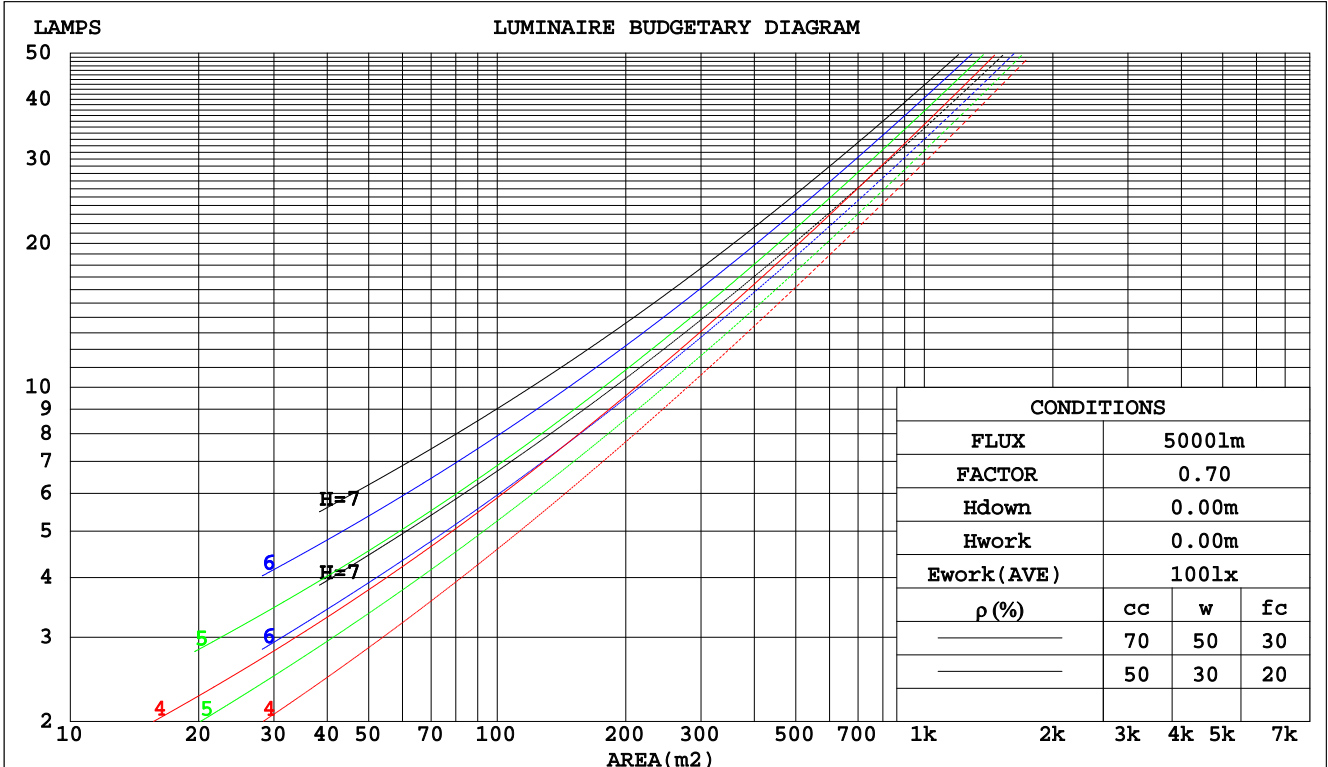
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:yechihong
Test Date:2020-08-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
Humidity:70%
Test Distance:8.425m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.931x1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.90
1.0	.99	.94	.90	.96	.92	.87	.90	.86	.83	.84	.81	.79	.79	.77	.75	.72
2.0	.85	.77	.71	.82	.75	.69	.77	.71	.66	.72	.67	.63	.68	.64	.60	.57
3.0	.73	.64	.57	.71	.63	.56	.66	.59	.54	.62	.56	.52	.58	.54	.49	.47
4.0	.64	.54	.47	.62	.53	.46	.58	.51	.45	.55	.48	.43	.51	.46	.41	.39
5.0	.56	.47	.40	.55	.46	.39	.51	.43	.37	.48	.41	.36	.45	.40	.35	.32
6.0	.50	.41	.34	.49	.40	.33	.46	.38	.32	.43	.36	.31	.41	.35	.30	.28
7.0	.45	.36	.29	.44	.35	.29	.41	.33	.28	.39	.32	.27	.37	.31	.26	.24
8.0	.41	.32	.25	.39	.31	.25	.37	.30	.24	.35	.28	.23	.33	.27	.23	.21
9.0	.37	.28	.22	.36	.28	.22	.34	.27	.21	.32	.26	.21	.30	.24	.20	.18
10.0	.34	.25	.20	.33	.25	.20	.31	.24	.19	.30	.23	.19	.28	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:yechihong
 Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity:70%
 Test Distance:8.425m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.931x1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.354	.201	.064	.344	.196	.062	.325	.186	.059	.307	.177	.057	.291	.169	.054	
2.0	.323	.177	.054	.314	.173	.053	.297	.165	.051	.281	.158	.049	.266	.151	.047	
3.0	.294	.156	.047	.286	.153	.046	.270	.146	.045	.256	.140	.043	.243	.134	.042	
4.0	.268	.139	.041	.261	.137	.040	.247	.131	.039	.234	.126	.038	.222	.121	.037	
5.0	.246	.125	.036	.239	.123	.036	.227	.118	.035	.215	.113	.034	.204	.109	.033	
6.0	.227	.114	.033	.221	.111	.032	.209	.107	.031	.199	.103	.030	.189	.099	.029	
7.0	.210	.104	.029	.204	.102	.029	.194	.098	.028	.184	.094	.027	.175	.091	.027	
8.0	.195	.095	.027	.190	.094	.026	.180	.090	.026	.172	.087	.025	.163	.084	.024	
9.0	.182	.088	.025	.177	.086	.024	.169	.083	.024	.161	.080	.023	.153	.078	.022	
10.0	.170	.082	.023	.166	.080	.022	.158	.078	.022	.151	.075	.021	.144	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.265	.265	.265	.226	.226	.226	.154	.154	.154	.089	.089	.089	.028	.028	.028	
1.0	.258	.231	.206	.221	.198	.177	.151	.136	.122	.087	.079	.071	.028	.025	.023	
2.0	.252	.207	.170	.216	.178	.147	.148	.123	.102	.085	.072	.060	.027	.023	.020	
3.0	.245	.190	.147	.210	.164	.127	.144	.114	.089	.083	.067	.053	.027	.022	.017	
4.0	.238	.178	.132	.204	.153	.114	.140	.107	.080	.081	.063	.048	.026	.020	.016	
5.0	.230	.168	.121	.198	.145	.105	.136	.101	.074	.079	.059	.044	.025	.019	.015	
6.0	.223	.160	.114	.192	.138	.099	.132	.097	.070	.077	.057	.042	.025	.019	.014	
7.0	.216	.153	.109	.186	.133	.095	.129	.093	.067	.075	.055	.040	.024	.018	.013	
8.0	.210	.147	.104	.180	.128	.091	.125	.090	.065	.073	.053	.039	.024	.017	.013	
9.0	.203	.142	.101	.175	.124	.088	.121	.087	.063	.071	.051	.037	.023	.017	.012	
10.0	.198	.138	.099	.170	.120	.086	.118	.084	.061	.069	.050	.037	.022	.016	.012	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:yechihong
 Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity:70%
 Test Distance:8.425m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.931x1 lm										
NAME: RVS0416L30D1BKGD					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:202000807A0002		
MFR.: AFX					SUR.:0.405*0.125			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	12.3	13.8	12.7	14.2	14.6	16.4	17.9	16.8	18.2	18.6
3H	12.6	14.0	13.0	14.4	14.8	18.8	20.2	19.3	20.6	21.1
4H	12.5	13.8	12.9	14.2	14.7	20.1	21.4	20.5	21.8	22.3
6H	12.4	13.6	12.8	14.0	14.5	21.1	22.3	21.6	22.8	23.3
8H	12.3	13.5	12.8	13.9	14.4	21.4	22.6	21.9	23.1	23.6
12H	12.2	13.4	12.7	13.8	14.4	21.7	22.8	22.2	23.3	23.8
4H 2H	13.7	15.0	14.2	15.5	15.9	16.7	18.0	17.1	18.4	18.9
3H	14.2	15.3	14.7	15.8	16.3	19.3	20.5	19.8	21.0	21.5
4H	14.1	15.2	14.6	15.7	16.2	20.8	21.8	21.3	22.3	22.8
6H	14.0	15.0	14.6	15.5	16.1	22.0	23.0	22.6	23.5	24.1
8H	14.0	14.8	14.5	15.4	16.0	22.5	23.4	23.1	24.0	24.5
12H	13.9	14.7	14.5	15.3	15.9	22.9	23.7	23.5	24.3	24.9
8H 4H	15.1	15.9	15.6	16.5	17.1	20.8	21.6	21.3	22.2	22.8
6H	15.1	15.8	15.7	16.4	17.0	22.2	23.0	22.8	23.5	24.2
8H	15.1	15.7	15.7	16.3	17.0	22.9	23.6	23.5	24.2	24.8
12H	15.0	15.6	15.7	16.2	16.9	23.6	24.2	24.2	24.8	25.5
12H 4H	15.4	16.2	15.9	16.7	17.3	20.7	21.5	21.3	22.1	22.7
6H	15.6	16.2	16.2	16.8	17.5	22.2	22.9	22.8	23.5	24.1
8H	15.6	16.2	16.3	16.8	17.5	23.0	23.5	23.6	24.1	24.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.6 / - 0.7					+ 0.4 / - 0.6				
2.0H	+ 0.6 / - 1.1					+ 0.4 / - 0.8				

CIE Pub.117 Corrected 121.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -7.3)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:yechihong
Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
Humidity:70%
Test Distance:8.425m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.931x1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:

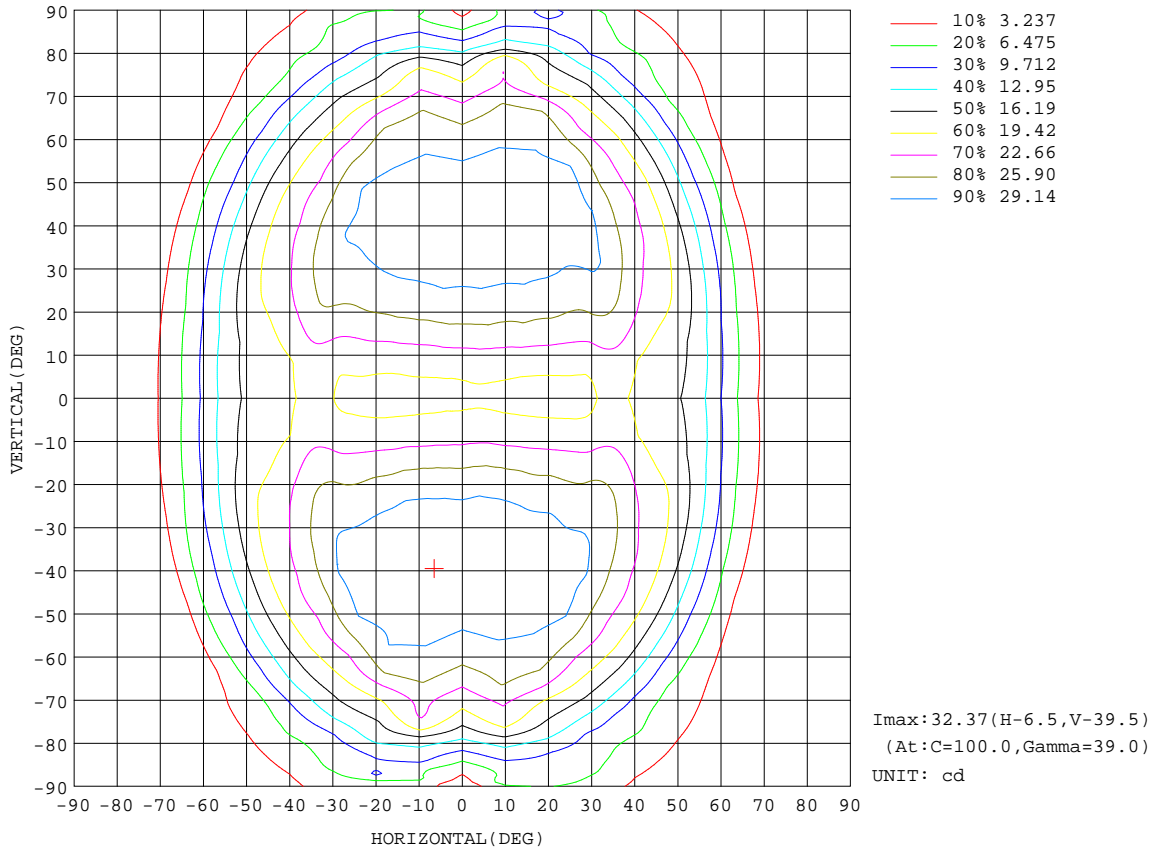
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	36	28	47	35	28	46	35	28	21
0.80	58	45	37	57	45	37	55	44	36	29
1.00	67	54	46	66	54	46	63	55	45	37
1.25	75	62	54	73	61	53	69	59	52	43
1.50	80	68	60	78	67	59	74	65	58	48
2.00	88	78	70	85	76	69	81	73	66	56
2.50	92	83	76	90	81	74	84	77	72	61
3.00	96	88	81	93	86	79	88	81	76	65
4.00	101	94	88	98	91	86	92	87	82	70
5.00	104	98	93	100	95	90	94	90	86	73
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:yechihong
 Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity:70%
 Test Distance:8.425m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.931x1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:

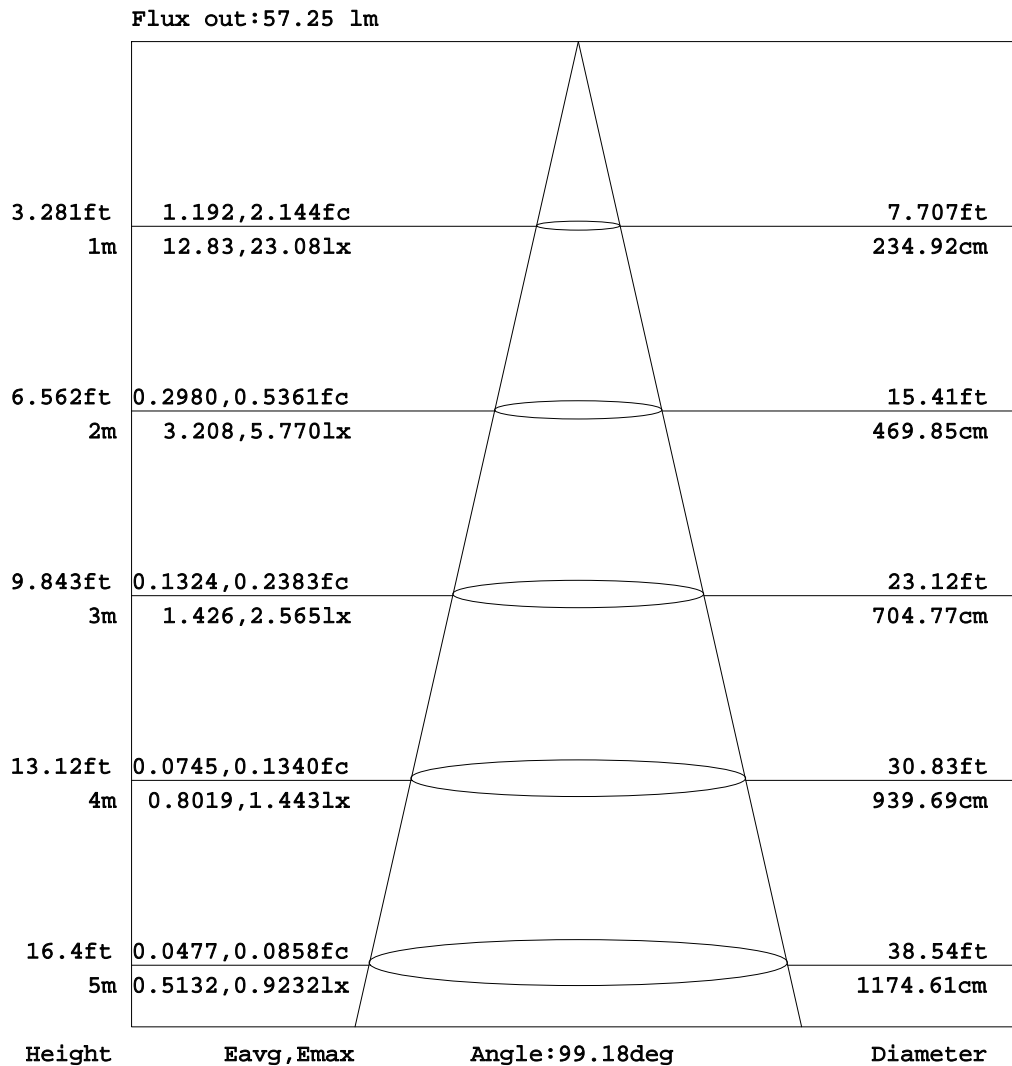


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: yechihong
 Test Date: 2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity: 70%
 Test Distance: 8.425m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.93lx1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:



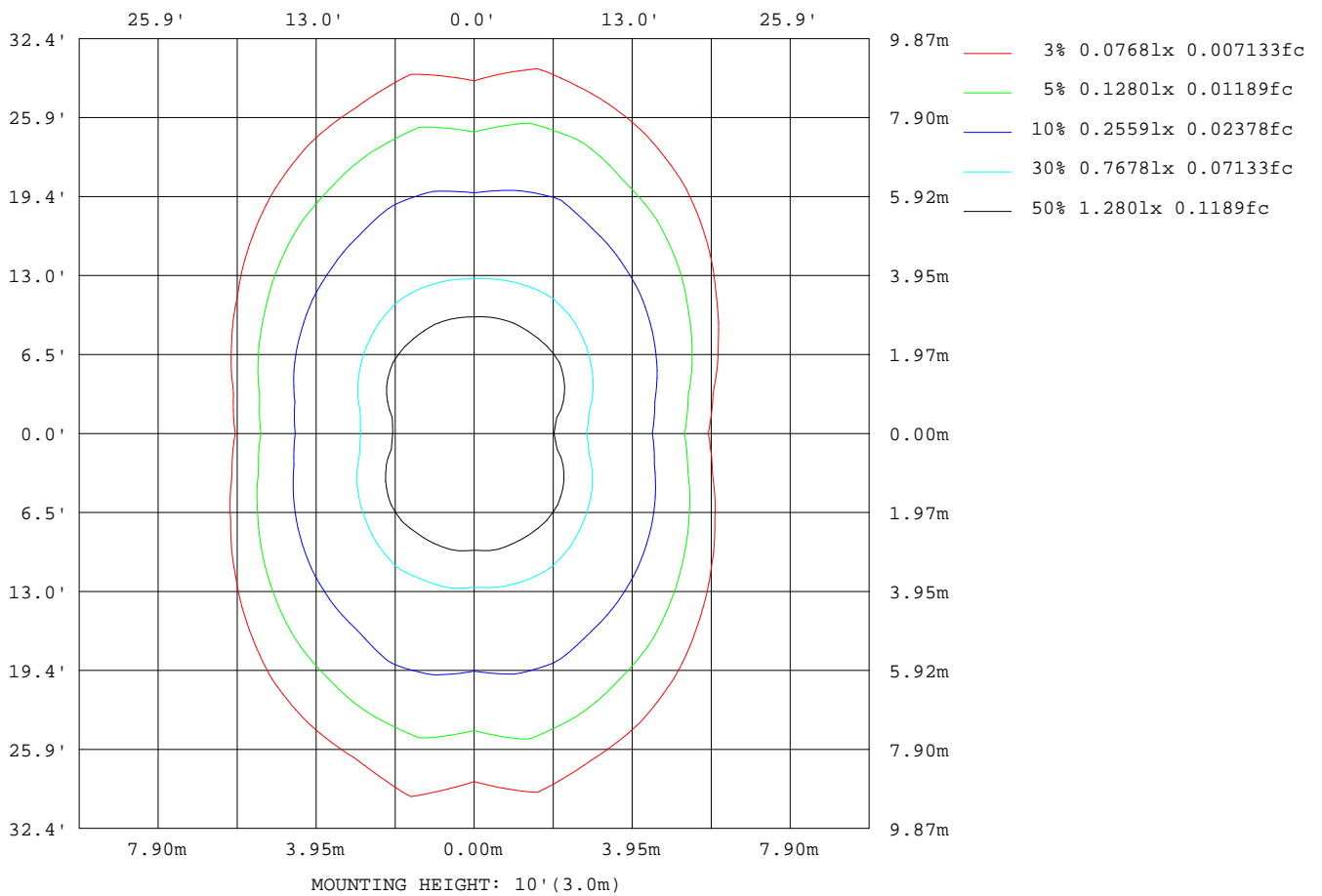
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:yechihong
 Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity:70%
 Test Distance:8.425m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

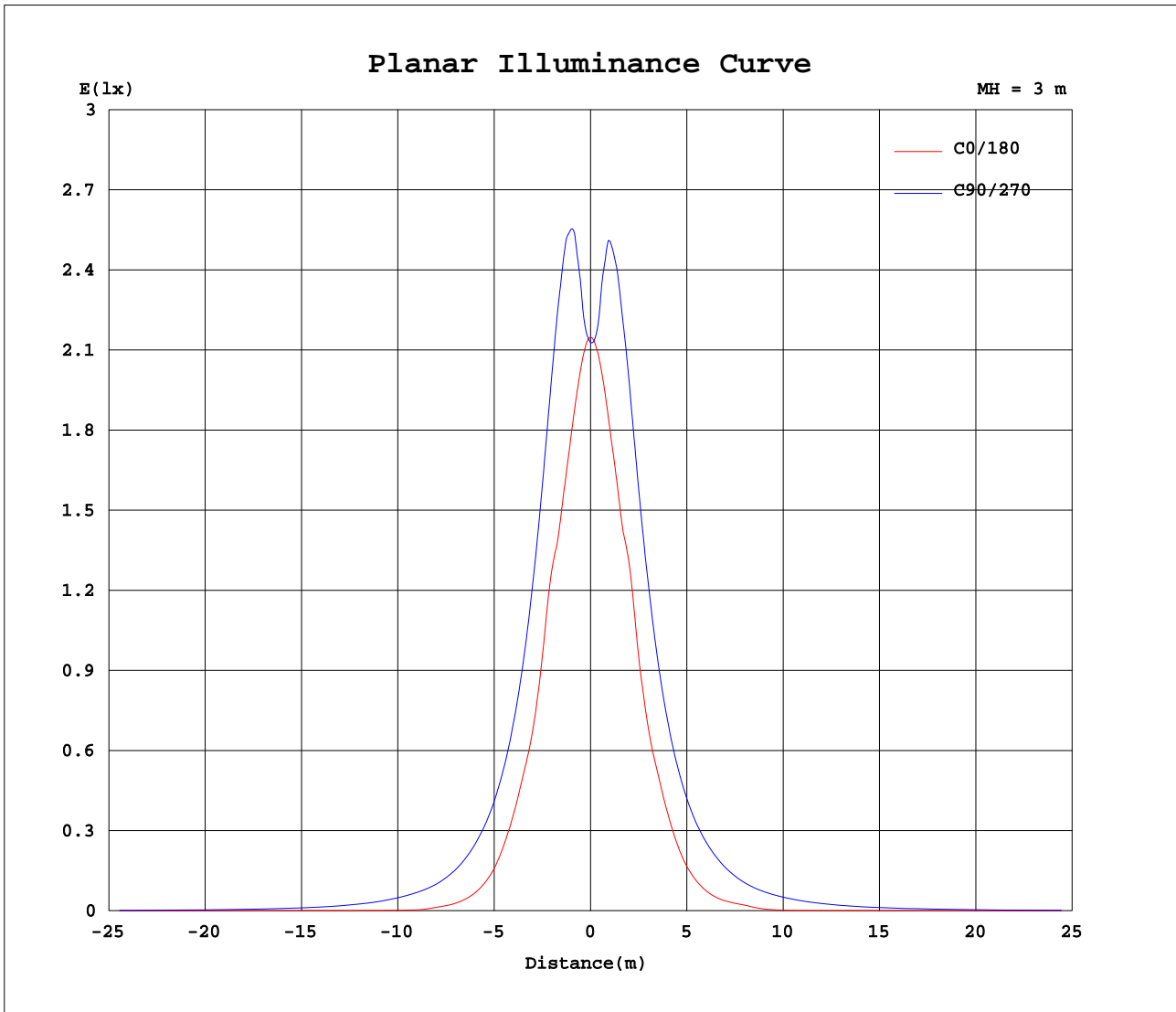
Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.93lx1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:yechihong
 Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity:70%
 Test Distance:8.425m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: yechihong
 Test Date: 2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity: 70%
 Test Distance: 8.425m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.931x1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	19.3	19.3	19.3	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.1	19.2	19.2	19.2	19.2	19.3	19.2	19.2	19.3
5	19.2	19.3	19.4	19.4	19.6	19.6	19.8	19.8	19.9	19.9	19.8	19.7	19.7	19.6	19.5	19.3	19.3	19.2	19.3
10	19.0	19.2	19.4	19.8	20.3	21.0	21.7	22.1	22.3	22.3	22.2	21.8	21.4	20.7	20.2	19.7	19.4	19.2	19.2
15	18.9	19.1	19.7	20.7	22.0	23.0	24.1	24.9	25.3	25.2	25.1	24.6	23.8	22.9	21.9	20.4	19.6	19.2	19.1
20	18.8	19.2	20.2	22.0	23.6	25.3	26.5	27.3	27.7	27.6	27.6	27.2	26.6	25.3	23.5	21.8	20.0	19.2	19.1
25	18.9	19.4	21.1	23.3	25.4	26.8	28.4	29.3	29.9	29.5	29.7	29.3	28.5	26.9	25.3	23.1	20.9	19.5	19.2
30	19.0	19.7	22.0	24.5	26.6	28.3	29.4	30.5	31.2	30.9	31.1	30.8	29.7	28.3	26.4	24.2	21.9	19.8	19.5
35	20.1	20.9	23.6	26.0	27.5	29.3	30.4	31.5	32.1	31.6	32.0	31.8	30.6	29.1	27.4	25.9	23.6	20.9	20.4
40	18.9	20.0	23.4	26.6	28.7	29.5	30.9	31.3	32.3	31.6	32.4	31.7	30.8	29.6	28.7	26.2	22.8	19.6	18.8
45	17.2	18.4	21.5	24.7	27.9	30.0	30.4	31.2	31.9	31.1	32.0	31.3	30.5	30.0	27.5	24.0	21.1	18.2	17.4
50	16.4	17.6	20.1	22.3	25.2	28.4	30.1	30.9	30.9	30.2	31.2	30.5	30.5	28.1	24.6	21.8	19.8	17.5	16.6
55	14.0	15.2	17.9	20.3	22.6	25.3	28.9	29.5	29.6	28.7	30.0	29.5	28.9	24.8	22.2	20.1	17.7	15.2	14.2
60	9.70	11.0	13.7	16.7	19.7	22.2	25.5	28.2	28.1	26.7	28.4	28.9	25.0	22.0	19.5	16.6	13.7	11.3	10.3
65	5.53	6.69	8.91	11.9	15.3	18.9	21.5	25.5	26.6	24.1	26.6	26.0	21.3	18.8	15.5	12.3	9.39	7.38	6.43
70	2.33	3.27	4.95	7.27	10.5	14.4	17.9	20.7	23.7	20.5	23.8	20.5	17.9	15.0	11.1	8.18	6.10	4.65	3.87
75	0.37	0.88	1.85	3.75	6.20	9.76	13.4	16.7	21.1	17.1	22.2	16.7	14.4	10.5	6.82	3.68	1.58	0.74	0.31
80	0.14	0.35	0.94	2.41	4.23	7.25	9.02	12.5	14.2	11.7	14.1	13.7	9.54	7.19	4.06	2.15	0.79	0.29	0.09
85	0.04	0.12	0.51	1.59	2.87	4.25	7.71	9.19	8.55	5.49	8.80	9.29	7.61	4.03	2.66	1.46	0.45	0.11	0.00
90	0.00	0.02	0.29	1.05	1.89	2.85	4.56	6.75	6.08	0.97	4.87	5.48	4.42	2.70	1.79	0.96	0.27	0.03	0.00
95	0.00	0.01	0.17	0.68	1.26	1.86	3.73	6.92	8.85	5.56	8.72	6.90	3.63	1.74	1.20	0.65	0.18	0.02	0.00
100	0.00	0.01	0.10	0.43	0.82	1.18	3.74	8.55	13.1	15.9	13.1	9.50	3.45	1.09	0.80	0.43	0.11	0.02	0.00
105	0.00	0.01	0.08	0.28	0.56	0.78	2.85	10.4	15.7	20.7	14.5	10.3	3.71	0.72	0.56	0.28	0.09	0.02	0.00
110	0.00	0.02	0.06	0.15	0.42	0.58	1.14	10.5	17.6	17.2	18.7	9.33	2.78	0.56	0.44	0.19	0.07	0.03	0.00
115	0.00	0.03	0.05	0.06	0.34	0.50	0.75	8.32	12.7	16.3	12.6	8.99	0.66	0.48	0.36	0.09	0.07	0.05	0.01
120	0.00	0.04	0.05	0.05	0.26	0.40	0.64	1.14	9.76	10.9	8.70	1.21	0.55	0.41	0.29	0.06	0.07	0.05	0.03
125	0.01	0.05	0.05	0.05	0.19	0.31	0.50	0.71	0.93	4.60	0.84	0.68	0.47	0.32	0.22	0.06	0.07	0.06	0.03
130	0.03	0.05	0.05	0.05	0.10	0.20	0.35	0.48	0.49	0.48	0.43	0.42	0.37	0.23	0.14	0.06	0.07	0.07	0.05
135	0.03	0.05	0.05	0.05	0.07	0.11	0.23	0.24	0.26	0.19	0.23	0.22	0.24	0.14	0.10	0.06	0.07	0.07	0.05
140	0.03	0.05	0.05	0.05	0.07	0.07	0.15	0.15	0.18	0.16	0.17	0.17	0.17	0.09	0.10	0.06	0.07	0.07	0.05
145	0.03	0.05	0.05	0.05	0.07	0.07	0.10	0.10	0.15	0.12	0.15	0.11	0.11	0.08	0.10	0.06	0.07	0.07	0.05
150	0.03	0.05	0.05	0.05	0.07	0.07	0.09	0.08	0.10	0.08	0.10	0.08	0.10	0.08	0.10	0.06	0.07	0.07	0.05
155	0.04	0.05	0.05	0.05	0.07	0.07	0.08	0.08	0.09	0.08	0.10	0.08	0.10	0.08	0.09	0.06	0.07	0.07	0.05
160	0.04	0.05	0.05	0.05	0.07	0.07	0.08	0.08	0.09	0.08	0.09	0.08	0.10	0.08	0.08	0.06	0.07	0.07	0.05
165	0.04	0.05	0.05	0.05	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.06	0.07	0.07	0.05
170	0.04	0.05	0.05	0.05	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.07	0.07	0.07	0.05
175	0.05	0.05	0.05	0.05	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.05
180	0.05	0.05	0.05	0.05	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.05

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:yechihong
 Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity:70%
 Test Distance:8.425m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1342A P:16.01W PF:0.9895 Lamp Flux:121.931x1 lm		
NAME: RVS0416L30D1BKGD	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202000807A0002
MFR.: AFX	SUR.:0.405*0.125	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	19.3	19.3	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.1	19.2	19.2	19.2	19.2	19.3	19.2	19.2		
5	19.2	19.2	19.2	19.2	19.3	19.4	19.5	19.5	19.6	19.6	19.6	19.5	19.5	19.4	19.3	19.2	19.2		
10	19.1	19.2	19.4	19.8	20.2	20.6	21.1	21.5	21.7	21.6	21.4	21.0	20.5	20.0	19.6	19.3	19.1		
15	19.1	19.4	20.0	21.0	22.2	23.1	23.9	24.4	24.6	24.5	24.2	23.4	22.6	21.5	20.3	19.5	19.0		
20	19.1	19.7	21.1	22.8	24.3	25.6	26.3	27.0	27.0	27.0	26.7	25.8	24.8	23.3	21.7	19.9	19.0		
25	19.3	20.3	22.6	24.5	26.2	27.3	28.1	28.9	28.9	28.9	28.3	27.6	26.7	25.1	23.0	20.7	19.2		
30	19.6	21.1	23.6	25.9	27.5	28.8	29.5	30.0	30.1	30.2	29.6	29.2	27.9	26.4	24.2	21.7	19.5		
35	20.7	23.0	25.2	26.6	28.4	29.7	30.7	31.0	31.1	31.3	31.0	30.1	29.0	27.2	25.8	23.6	20.8		
40	19.4	22.4	25.7	27.8	28.8	30.2	30.9	31.3	31.4	31.7	31.5	30.8	29.5	28.9	27.0	23.6	19.9		
45	18.0	20.8	23.7	27.0	29.2	29.7	31.0	31.3	31.2	31.5	31.5	30.6	30.4	28.8	25.2	21.8	18.3		
50	17.2	19.5	21.5	24.3	27.5	29.5	30.5	30.6	30.4	30.9	31.2	30.6	29.7	26.2	22.8	20.3	17.5		
55	14.9	17.4	19.7	21.7	24.5	28.3	29.1	29.6	29.1	30.0	30.1	30.4	26.7	23.5	21.1	18.3	15.3		
60	11.1	13.6	16.2	19.1	21.4	24.9	27.9	28.4	27.4	28.7	29.0	27.5	23.5	21.0	17.7	14.3	11.1		
65	7.16	9.25	11.9	15.1	18.4	21.1	25.3	26.9	25.1	27.3	27.9	23.3	20.6	17.0	12.9	9.54	6.79		
70	4.52	5.90	7.64	10.6	14.4	17.8	20.6	24.0	21.5	25.1	23.4	19.9	16.5	12.2	8.05	5.30	3.38		
75	0.66	1.58	3.48	6.67	9.97	13.9	16.5	21.2	18.2	22.7	18.6	16.2	11.6	7.56	4.03	1.93	0.82		
80	0.28	0.72	1.94	3.73	6.53	9.23	13.1	15.1	13.2	18.7	15.4	11.0	8.01	4.81	2.53	0.94	0.33		
85	0.14	0.39	1.31	2.52	3.87	7.16	8.60	9.73	6.97	11.5	9.97	8.67	4.86	3.20	1.69	0.50	0.15		
90	0.05	0.21	0.87	1.70	2.61	4.21	6.07	7.07	2.06	7.65	10.5	7.00	3.30	2.15	1.11	0.28	0.06		
95	0.02	0.11	0.59	1.14	1.69	3.39	6.55	7.50	3.27	6.13	6.56	3.87	2.13	1.40	0.71	0.14	0.02		
100	0.01	0.05	0.40	0.76	1.07	4.02	8.87	12.0	14.0	9.89	8.47	3.51	1.34	0.90	0.46	0.06	0.00		
105	0.00	0.05	0.28	0.53	0.70	3.59	9.41	14.0	19.3	12.0	7.40	3.34	0.83	0.59	0.31	0.04	0.00		
110	0.00	0.05	0.19	0.41	0.53	1.98	10.3	17.4	20.0	15.8	10.1	2.03	0.57	0.42	0.20	0.04	0.00		
115	0.00	0.05	0.12	0.33	0.47	0.66	7.61	12.9	20.5	12.9	6.45	0.69	0.47	0.32	0.11	0.04	0.00		
120	0.00	0.05	0.08	0.25	0.42	0.55	1.35	8.32	9.84	7.35	1.29	0.54	0.40	0.23	0.07	0.04	0.00		
125	0.01	0.05	0.08	0.19	0.35	0.46	0.73	1.24	3.17	1.10	0.65	0.45	0.32	0.16	0.06	0.04	0.01		
130	0.03	0.05	0.08	0.10	0.26	0.37	0.51	0.49	0.51	0.47	0.44	0.33	0.23	0.07	0.05	0.04	0.02		
135	0.03	0.05	0.08	0.08	0.19	0.23	0.29	0.24	0.23	0.24	0.28	0.19	0.15	0.07	0.05	0.05	0.03		
140	0.03	0.05	0.08	0.08	0.13	0.14	0.19	0.16	0.17	0.15	0.18	0.11	0.09	0.07	0.05	0.06	0.03		
145	0.03	0.05	0.08	0.08	0.10	0.09	0.17	0.14	0.16	0.12	0.14	0.08	0.08	0.07	0.05	0.05	0.03		
150	0.03	0.05	0.08	0.08	0.10	0.07	0.11	0.09	0.12	0.07	0.09	0.08	0.08	0.07	0.05	0.05	0.03		
155	0.04	0.05	0.08	0.08	0.10	0.07	0.11	0.08	0.10	0.07	0.09	0.08	0.08	0.08	0.05	0.05	0.03		
160	0.04	0.05	0.08	0.08	0.10	0.07	0.10	0.08	0.10	0.07	0.09	0.08	0.08	0.08	0.05	0.05	0.03		
165	0.04	0.05	0.08	0.08	0.09	0.07	0.10	0.08	0.10	0.07	0.09	0.08	0.08	0.08	0.05	0.05	0.04		
170	0.04	0.05	0.08	0.08	0.09	0.07	0.10	0.08	0.09	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.04		
175	0.05	0.05	0.08	0.08	0.09	0.07	0.09	0.08	0.09	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.04		
180	0.05	0.05	0.08	0.08	0.08	0.07	0.09	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.05		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:yechihong
 Test Date:2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity:70%
 Test Distance:8.425m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
0.0	19.33	19.29	19.27	19.24	19.22	19.21	19.18	19.16	19.16	19.17
2.5	19.31	19.30	19.32	19.33	19.34	19.35	19.37	19.37	19.40	19.38
5.0	19.23	19.28	19.36	19.44	19.55	19.64	19.77	19.82	19.90	19.87
7.5	19.14	19.24	19.39	19.59	19.85	20.14	20.47	20.68	20.85	20.81
10.0	19.04	19.17	19.43	19.83	20.35	21.00	21.73	22.12	22.33	22.27
12.5	18.95	19.16	19.54	20.17	21.12	22.11	22.91	23.40	23.66	23.61
15.0	18.87	19.13	19.69	20.69	22.02	23.00	24.06	24.90	25.27	25.22
17.5	18.82	19.13	19.89	21.32	22.78	24.09	25.46	26.35	26.61	26.50
20.0	18.78	19.17	20.19	21.95	23.56	25.34	26.53	27.31	27.71	27.57
22.5	18.81	19.24	20.62	22.61	24.49	26.16	27.44	28.27	28.93	28.76
25.0	18.86	19.38	21.11	23.27	25.36	26.78	28.37	29.28	29.88	29.54
27.5	18.87	19.48	21.53	23.91	26.14	27.49	28.98	29.90	30.53	30.15
30.0	19.03	19.68	22.00	24.46	26.63	28.33	29.39	30.52	31.23	30.86
32.5	19.75	20.41	22.77	25.06	27.03	28.99	29.88	31.26	31.83	31.30
35.0	20.13	20.93	23.65	25.96	27.47	29.27	30.36	31.45	32.07	31.58
37.5	19.74	20.76	23.93	26.59	28.09	29.35	30.75	31.44	32.33	31.70
40.0	18.85	19.97	23.43	26.58	28.74	29.48	30.87	31.33	32.31	31.62
42.5	17.97	19.12	22.52	25.79	28.69	29.79	30.68	31.23	32.20	31.44
45.0	17.20	18.35	21.50	24.65	27.92	29.99	30.41	31.19	31.92	31.15
47.5	16.79	17.89	20.64	23.42	26.63	29.52	30.19	31.13	31.48	30.70
50.0	16.40	17.57	20.10	22.27	25.17	28.45	30.10	30.90	30.94	30.17
52.5	15.35	16.57	19.27	21.49	23.69	27.02	29.87	30.36	30.28	29.49
55.0	13.96	15.22	17.87	20.31	22.57	25.32	28.90	29.52	29.57	28.68
57.5	11.94	13.29	16.06	18.71	21.32	23.60	27.40	28.79	28.82	27.77
60.0	9.701	11.02	13.73	16.73	19.66	22.21	25.48	28.20	28.09	26.69
62.5	7.550	8.843	11.33	14.31	17.69	20.68	23.33	27.19	27.26	25.57
65.0	5.528	6.693	8.908	11.87	15.31	18.89	21.48	25.50	26.56	24.05
67.5	3.779	4.788	6.655	9.438	12.90	16.76	19.78	23.36	25.57	22.27
70.0	2.331	3.266	4.954	7.272	10.46	14.41	17.88	20.67	23.74	20.52
72.5	0.7726	1.480	2.762	5.223	8.398	11.94	15.76	18.41	22.27	19.11
75.0	0.3678	0.8779	1.851	3.748	6.200	9.762	13.43	16.66	21.09	17.06
77.5	0.2174	0.5508	1.301	2.946	5.063	7.988	11.12	14.86	18.25	14.53
80.0	0.1408	0.3527	0.9430	2.407	4.229	7.251	9.017	12.51	14.20	11.75
82.5	0.0905	0.2126	0.6805	1.972	3.464	5.291	8.431	9.896	11.62	8.598
85.0	0.0408	0.1222	0.5123	1.593	2.870	4.254	7.715	9.189	8.546	5.491
87.5	0.0046	0.0629	0.3897	1.298	2.338	3.510	6.680	9.322	7.311	3.040
90.0	0	0.0226	0.2903	1.049	1.895	2.854	4.555	6.754	6.079	0.9694
92.5	0	0.0091	0.2267	0.8458	1.558	2.302	4.017	6.329	6.992	2.068
95.0	0	0.0091	0.1723	0.6831	1.260	1.859	3.726	6.924	8.855	5.558
97.5	0	0.0091	0.1403	0.5516	1.019	1.476	3.685	7.727	11.30	11.63
100.0	0	0.0091	0.1042	0.4341	0.8198	1.176	3.744	8.547	13.14	15.89
102.5	0	0.0181	0.0863	0.3483	0.6707	0.9500	3.617	8.829	13.46	18.43
105.0	0	0.0136	0.0770	0.2755	0.5614	0.7781	2.855	10.43	15.68	20.68
107.5	0	0.0181	0.0634	0.2036	0.4800	0.6607	1.572	10.82	15.57	21.64
110.0	0	0.0226	0.0588	0.1537	0.4212	0.5835	1.142	10.46	17.58	17.15
112.5	0	0.0272	0.0544	0.1040	0.3805	0.5340	0.8740	7.331	15.45	18.59
115.0	0	0.0318	0.0498	0.0586	0.3353	0.4979	0.7515	8.321	12.70	16.26
117.5	0	0.0362	0.0498	0.0498	0.2945	0.4571	0.6928	2.966	12.12	10.40
120.0	0	0.0362	0.0498	0.0498	0.2582	0.4027	0.6429	1.145	9.755	10.88
122.5	0.0045	0.0409	0.0498	0.0498	0.2263	0.3531	0.5842	0.8776	4.291	3.928
125.0	0.0136	0.0498	0.0498	0.0498	0.1860	0.3075	0.5026	0.7105	0.9334	4.599
127.5	0.0179	0.0498	0.0498	0.0498	0.1451	0.2442	0.4482	0.5880	0.6579	0.6869
130.0	0.0272	0.0498	0.0498	0.0498	0.0997	0.2035	0.3532	0.4831	0.4893	0.4834
132.5	0.0272	0.0498	0.0498	0.0498	0.0815	0.1631	0.2807	0.3572	0.3668	0.3119
135.0	0.0317	0.0498	0.0498	0.0498	0.0724	0.1086	0.2264	0.2396	0.2634	0.1854
137.5	0.0317	0.0498	0.0498	0.0498	0.0725	0.0768	0.1815	0.1765	0.2043	0.1675
140.0	0.0317	0.0498	0.0498	0.0498	0.0679	0.0679	0.1494	0.1491	0.1811	0.1628
142.5	0.0317	0.0498	0.0498	0.0498	0.0679	0.0679	0.1222	0.1220	0.1720	0.1493
145.0	0.0317	0.0498	0.0498	0.0498	0.0679	0.0679	0.0951	0.0950	0.1539	0.1222
147.5	0.0317	0.0498	0.0498	0.0498	0.0679	0.0679	0.0905	0.0770	0.1225	0.0994
150.0	0.0317	0.0498	0.0498	0.0498	0.0679	0.0679	0.0905	0.0770	0.0996	0.0770
152.5	0.0317	0.0498	0.0498	0.0498	0.0679	0.0679	0.0860	0.0770	0.0951	0.0770
155.0	0.0363	0.0498	0.0498	0.0498	0.0679	0.0679	0.0815	0.0770	0.0905	0.0770
157.5	0.0451	0.0498	0.0498	0.0498	0.0679	0.0679	0.0815	0.0770	0.0905	0.0770
160.0	0.0407	0.0498	0.0498	0.0498	0.0679	0.0679	0.0815	0.0770	0.0860	0.0770
162.5	0.0407	0.0498	0.0498	0.0498	0.0679	0.0679	0.0815	0.0770	0.0815	0.0770
165.0	0.0407	0.0498	0.0498	0.0498	0.0679	0.0679	0.0815	0.0770	0.0815	0.0770
167.5	0.0407	0.0498	0.0498	0.0498	0.0679	0.0679	0.0770	0.0770	0.0815	0.0770
170.0	0.0407	0.0498	0.0498	0.0498	0.0679	0.0679	0.0770	0.0770	0.0770	0.0770
172.5	0.0407	0.0498	0.0498	0.0498	0.0679	0.0679	0.0770	0.0770	0.0770	0.0770
175.0	0.0453	0.0498	0.0498	0.0498	0.0679	0.0679	0.0770	0.0770	0.0770	0.0770
177.5	0.0453	0.0498	0.0498	0.0498	0.0679	0.0679	0.0770	0.0770	0.0770	0.0770
180.0	0.0498	0.0498	0.0498	0.0498	0.0679	0.0679	0.0770	0.0770	0.0770	0.0770

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: yechihong
 Test Date: 2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity: 70%
 Test Distance: 8.425m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
0.0	19.14	19.16	19.20	19.20	19.24	19.25	19.23	19.23	19.33	19.29
2.5	19.36	19.35	19.33	19.31	19.29	19.25	19.23	19.23	19.32	19.27
5.0	19.84	19.75	19.67	19.55	19.46	19.33	19.26	19.20	19.29	19.22
7.5	20.74	20.49	20.27	19.98	19.73	19.47	19.30	19.18	19.25	19.18
10.0	22.17	21.85	21.41	20.72	20.16	19.70	19.38	19.18	19.20	19.14
12.5	23.49	23.14	22.66	21.87	20.85	20.01	19.48	19.16	19.17	19.13
15.0	25.08	24.58	23.81	22.91	21.85	20.44	19.61	19.15	19.11	19.08
17.5	26.45	26.13	25.32	23.99	22.73	21.06	19.78	19.16	19.06	19.06
20.0	27.56	27.19	26.58	25.31	23.46	21.78	20.02	19.21	19.07	19.08
22.5	28.69	28.18	27.52	26.24	24.35	22.43	20.41	19.36	19.17	19.22
25.0	29.68	29.33	28.50	26.88	25.25	23.06	20.85	19.47	19.19	19.32
27.5	30.33	30.08	29.28	27.61	25.92	23.66	21.32	19.55	19.21	19.37
30.0	31.07	30.77	29.73	28.30	26.38	24.25	21.88	19.83	19.48	19.61
32.5	31.73	31.51	30.19	28.82	26.83	24.93	22.83	20.56	20.15	20.34
35.0	32.04	31.77	30.60	29.14	27.40	25.88	23.56	20.93	20.40	20.71
37.5	32.31	31.76	30.84	29.41	28.16	26.38	23.55	20.47	19.80	20.27
40.0	32.39	31.68	30.79	29.62	28.68	26.16	22.79	19.61	18.84	19.39
42.5	32.25	31.52	30.60	30.01	28.54	25.15	21.86	18.96	18.18	18.72
45.0	31.99	31.32	30.54	30.04	27.47	23.96	21.06	18.25	17.41	17.99
47.5	31.63	31.07	30.57	29.45	25.99	22.87	20.27	17.81	16.99	17.52
50.0	31.19	30.52	30.47	28.15	24.62	21.83	19.80	17.48	16.61	17.22
52.5	30.68	29.98	29.94	26.47	23.26	21.11	19.03	16.54	15.60	16.27
55.0	29.98	29.48	28.89	24.81	22.23	20.06	17.66	15.20	14.17	14.93
57.5	29.24	28.28	27.13	23.22	21.16	18.50	15.85	13.30	12.22	13.07
60.0	28.40	28.89	25.04	21.96	19.52	16.55	13.73	11.34	10.26	11.06
62.5	27.62	27.75	23.01	20.59	17.61	14.46	11.64	9.342	8.292	9.102
65.0	26.58	25.97	21.28	18.82	15.53	12.32	9.394	7.384	6.428	7.165
67.5	25.16	23.18	19.73	16.89	13.43	10.01	7.466	6.029	5.237	5.773
70.0	23.75	20.45	17.93	15.05	11.11	8.179	6.096	4.649	3.872	4.522
72.5	23.35	18.47	16.25	12.80	9.161	6.154	3.354	1.917	1.279	1.810
75.0	22.22	16.74	14.43	10.55	6.818	3.679	1.584	0.7448	0.3062	0.6581
77.5	18.74	15.32	11.88	8.765	4.854	2.618	1.084	0.4568	0.1491	0.4034
80.0	14.12	13.73	9.540	7.187	4.060	2.149	0.7894	0.2897	0.0905	0.2808
82.5	11.59	10.51	8.505	5.246	3.232	1.764	0.5801	0.1809	0.0360	0.1902
85.0	8.800	9.293	7.606	4.028	2.664	1.456	0.4529	0.1129	0	0.1359
87.5	6.805	9.999	5.968	3.327	2.187	1.186	0.3531	0.0497	0	0.0860
90.0	4.867	5.482	4.418	2.701	1.795	0.9632	0.2719	0.0272	0	0.0498
92.5	5.959	5.301	3.827	2.181	1.482	0.7962	0.2174	0.0181	0	0.0362
95.0	8.723	6.900	3.628	1.736	1.196	0.6517	0.1767	0.0181	0	0.0226
97.5	9.887	7.850	3.373	1.380	0.9733	0.5203	0.1358	0.0181	0	0.0093
100.0	13.10	9.497	3.454	1.091	0.7967	0.4251	0.1087	0.0181	0	0.0135
102.5	12.88	8.858	4.233	0.8776	0.6571	0.3440	0.0995	0.0225	0	0.0045
105.0	14.50	10.31	3.709	0.7196	0.5618	0.2805	0.0859	0.0226	0	0.0045
107.5	17.90	10.60	2.749	0.6152	0.4937	0.2489	0.0771	0.0272	0	0.0045
110.0	18.65	9.332	2.778	0.5568	0.4440	0.1898	0.0724	0.0317	0	0.0045
112.5	15.30	8.571	0.8028	0.5161	0.4033	0.1403	0.0680	0.0363	0.0045	0.0045
115.0	12.62	8.991	0.6611	0.4797	0.3623	0.0950	0.0679	0.0453	0.0091	0.0045
117.5	10.32	7.827	0.5933	0.4434	0.3216	0.0679	0.0679	0.0453	0.0181	0.0045
120.0	8.704	1.212	0.5478	0.4072	0.2852	0.0634	0.0679	0.0543	0.0270	0.0045
122.5	5.713	0.8863	0.5117	0.3757	0.2491	0.0634	0.0679	0.0588	0.0274	0.0045
125.0	0.8406	0.6790	0.4664	0.3213	0.2218	0.0634	0.0679	0.0590	0.0317	0.0090
127.5	0.5932	0.5432	0.4301	0.2670	0.1812	0.0634	0.0679	0.0634	0.0362	0.0271
130.0	0.4307	0.4209	0.3672	0.2261	0.1359	0.0634	0.0679	0.0679	0.0453	0.0273
132.5	0.3125	0.3120	0.2944	0.1809	0.1087	0.0634	0.0679	0.0679	0.0453	0.0272
135.0	0.2266	0.2213	0.2445	0.1402	0.1041	0.0634	0.0679	0.0679	0.0498	0.0318
137.5	0.1860	0.1765	0.1947	0.1084	0.0996	0.0634	0.0679	0.0679	0.0498	0.0317
140.0	0.1721	0.1719	0.1677	0.0860	0.0996	0.0634	0.0679	0.0679	0.0498	0.0317
142.5	0.1677	0.1313	0.1405	0.0860	0.0951	0.0634	0.0679	0.0679	0.0498	0.0317
145.0	0.1541	0.1086	0.1132	0.0770	0.0951	0.0634	0.0679	0.0679	0.0498	0.0317
147.5	0.1223	0.0770	0.1041	0.0770	0.0951	0.0634	0.0679	0.0679	0.0498	0.0317
150.0	0.0997	0.0770	0.1041	0.0770	0.0951	0.0634	0.0679	0.0679	0.0498	0.0317
152.5	0.0951	0.0770	0.0996	0.0770	0.0905	0.0634	0.0679	0.0679	0.0498	0.0317
155.0	0.0951	0.0770	0.0996	0.0770	0.0905	0.0634	0.0679	0.0679	0.0498	0.0362
157.5	0.0905	0.0770	0.0952	0.0770	0.0860	0.0634	0.0679	0.0679	0.0498	0.0362
160.0	0.0905	0.0770	0.0951	0.0770	0.0815	0.0634	0.0679	0.0679	0.0498	0.0407
162.5	0.0860	0.0770	0.0905	0.0770	0.0815	0.0634	0.0679	0.0679	0.0498	0.0407
165.0	0.0815	0.0770	0.0860	0.0770	0.0815	0.0634	0.0679	0.0679	0.0498	0.0407
167.5	0.0815	0.0770	0.0860	0.0770	0.0815	0.0634	0.0679	0.0679	0.0498	0.0407
170.0	0.0815	0.0770	0.0860	0.0770	0.0815	0.0724	0.0679	0.0679	0.0498	0.0407
172.5	0.0770	0.0770	0.0860	0.0770	0.0770	0.0679	0.0679	0.0679	0.0498	0.0497
175.0	0.0770	0.0770	0.0815	0.0770	0.0770	0.0679	0.0679	0.0679	0.0498	0.0453
177.5	0.0770	0.0770	0.0770	0.0770	0.0724	0.0679	0.0679	0.0679	0.0498	0.0453
180.0	0.0770	0.0770	0.0770	0.0770	0.0724	0.0679	0.0679	0.0679	0.0498	0.0498

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: yechihong
 Test Date: 2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity: 70%
 Test Distance: 8.425m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
0.0	19.27	19.24	19.22	19.21	19.18	19.16	19.16	19.17	19.14	19.16
2.5	19.24	19.20	19.18	19.17	19.17	19.19	19.19	19.22	19.22	19.24
5.0	19.21	19.21	19.24	19.32	19.37	19.46	19.54	19.59	19.59	19.57
7.5	19.19	19.28	19.43	19.64	19.83	20.06	20.21	20.31	20.29	20.23
10.0	19.23	19.45	19.77	20.19	20.62	21.13	21.48	21.67	21.59	21.42
12.5	19.29	19.69	20.24	21.06	21.92	22.67	23.03	23.13	23.08	22.89
15.0	19.37	20.00	20.99	22.24	23.09	23.88	24.39	24.57	24.45	24.15
17.5	19.48	20.43	22.02	23.27	24.26	25.31	25.96	26.05	25.97	25.65
20.0	19.67	21.09	22.83	24.33	25.59	26.33	26.98	27.03	27.00	26.65
22.5	19.96	21.90	23.62	25.42	26.52	27.10	27.87	27.93	27.89	27.37
25.0	20.33	22.57	24.53	26.18	27.29	28.06	28.89	28.88	28.89	28.26
27.5	20.67	23.08	25.36	26.84	28.13	28.92	29.56	29.51	29.62	29.03
30.0	21.14	23.61	25.87	27.50	28.81	29.53	30.04	30.15	30.21	29.57
32.5	22.09	24.22	26.24	28.11	29.30	30.21	30.65	30.82	30.84	30.33
35.0	22.96	25.20	26.62	28.42	29.74	30.69	31.04	31.14	31.28	31.03
37.5	23.10	25.86	27.29	28.60	30.06	30.86	31.22	31.34	31.55	31.35
40.0	22.44	25.70	27.85	28.75	30.18	30.90	31.34	31.37	31.74	31.46
42.5	21.53	24.79	27.85	29.01	29.94	30.96	31.34	31.30	31.66	31.45
45.0	20.79	23.69	26.99	29.17	29.72	30.99	31.26	31.16	31.53	31.47
47.5	19.96	22.61	25.69	28.70	29.63	30.86	31.01	30.86	31.30	31.38
50.0	19.47	21.49	24.33	27.52	29.54	30.51	30.63	30.40	30.92	31.18
52.5	18.73	20.72	22.89	25.99	29.14	29.86	30.18	29.85	30.51	30.78
55.0	17.44	19.67	21.72	24.47	28.28	29.11	29.63	29.15	30.00	30.07
57.5	15.73	18.13	20.63	22.83	26.75	28.41	29.03	28.34	29.40	29.43
60.0	13.61	16.22	19.06	21.43	24.87	27.86	28.44	27.41	28.73	29.04
62.5	11.49	14.05	17.23	20.04	22.94	26.94	27.72	26.33	28.01	28.83
65.0	9.251	11.85	15.09	18.36	21.07	25.26	26.88	25.08	27.25	27.94
67.5	7.221	9.547	12.94	16.44	19.45	23.05	25.69	23.39	26.45	26.19
70.0	5.904	7.640	10.64	14.40	17.77	20.57	23.95	21.50	25.09	23.43
72.5	3.385	5.962	8.694	12.13	15.92	18.29	22.28	19.87	23.33	20.54
75.0	1.577	3.479	6.669	9.966	13.94	16.46	21.18	18.19	22.70	18.56
77.5	1.004	2.417	4.579	7.876	11.60	14.84	18.69	15.84	22.28	16.94
80.0	0.7185	1.938	3.727	6.528	9.230	13.08	15.09	13.23	18.66	15.41
82.5	0.5204	1.598	3.083	5.158	7.723	10.54	12.08	10.24	13.79	12.60
85.0	0.3893	1.309	2.517	3.874	7.157	8.597	9.729	6.974	11.54	9.974
87.5	0.2849	1.073	2.077	3.187	6.134	8.126	6.934	4.184	7.951	9.357
90.0	0.2080	0.8744	1.700	2.609	4.207	6.074	7.075	2.057	7.645	10.52
92.5	0.1583	0.7160	1.394	2.107	3.683	5.514	5.393	1.292	4.939	5.524
95.0	0.1086	0.5888	1.135	1.694	3.390	6.552	7.498	3.268	6.126	6.555
97.5	0.0769	0.4892	0.9275	1.354	3.432	7.494	10.18	8.544	8.236	7.857
100.0	0.0498	0.3985	0.7595	1.073	4.017	8.868	12.03	14.04	9.890	8.475
102.5	0.0498	0.3308	0.6337	0.8611	4.178	9.359	13.35	17.10	11.32	8.738
105.0	0.0498	0.2763	0.5340	0.6974	3.585	9.409	13.96	19.28	12.03	7.397
107.5	0.0498	0.2355	0.4526	0.5844	2.176	10.14	15.50	20.89	13.87	9.651
110.0	0.0498	0.1948	0.4072	0.5298	1.978	10.29	17.36	20.00	15.84	10.14
112.5	0.0498	0.1541	0.3801	0.4935	0.8324	9.771	15.34	18.46	15.30	9.482
115.0	0.0498	0.1178	0.3257	0.4664	0.6609	7.605	12.91	20.46	12.90	6.454
117.5	0.0498	0.0906	0.2941	0.4392	0.5885	8.830	12.80	15.83	12.70	8.526
120.0	0.0498	0.0815	0.2533	0.4211	0.5521	1.346	8.317	9.836	7.355	1.294
122.5	0.0498	0.0770	0.2128	0.3939	0.5070	0.9376	6.306	2.085	5.206	0.8332
125.0	0.0498	0.0770	0.1944	0.3489	0.4616	0.7337	1.240	3.174	1.095	0.6524
127.5	0.0498	0.0770	0.1538	0.3035	0.4206	0.5978	0.6742	0.7266	0.6554	0.5253
130.0	0.0498	0.0770	0.0996	0.2581	0.3711	0.5072	0.4883	0.5120	0.4747	0.4440
132.5	0.0498	0.0770	0.0770	0.2218	0.3032	0.3851	0.3346	0.3577	0.3391	0.3622
135.0	0.0498	0.0770	0.0770	0.1857	0.2261	0.2899	0.2353	0.2311	0.2352	0.2764
137.5	0.0498	0.0770	0.0770	0.1539	0.1675	0.2176	0.1857	0.1857	0.1765	0.1992
140.0	0.0498	0.0770	0.0770	0.1268	0.1357	0.1903	0.1629	0.1720	0.1494	0.1765
142.5	0.0498	0.0770	0.0770	0.1042	0.1132	0.1809	0.1541	0.1720	0.1312	0.1539
145.0	0.0498	0.0770	0.0770	0.0996	0.0948	0.1675	0.1357	0.1630	0.1220	0.1360
147.5	0.0498	0.0770	0.0770	0.0996	0.0724	0.1360	0.1131	0.1449	0.0996	0.1087
150.0	0.0498	0.0770	0.0770	0.0996	0.0724	0.1132	0.0860	0.1177	0.0724	0.0905
152.5	0.0498	0.0770	0.0770	0.0996	0.0724	0.1086	0.0815	0.0996	0.0724	0.0905
155.0	0.0498	0.0770	0.0770	0.0951	0.0724	0.1086	0.0815	0.0996	0.0724	0.0905
157.5	0.0498	0.0770	0.0770	0.0951	0.0724	0.1086	0.0815	0.0996	0.0724	0.0860
160.0	0.0498	0.0770	0.0770	0.0951	0.0724	0.1041	0.0815	0.1040	0.0724	0.0860
162.5	0.0498	0.0770	0.0770	0.0951	0.0724	0.1041	0.0815	0.0951	0.0724	0.0860
165.0	0.0498	0.0770	0.0770	0.0905	0.0724	0.1041	0.0815	0.0951	0.0724	0.0860
167.5	0.0498	0.0770	0.0770	0.0905	0.0724	0.0951	0.0815	0.0906	0.0724	0.0860
170.0	0.0498	0.0770	0.0770	0.0949	0.0724	0.0951	0.0815	0.0862	0.0724	0.0815
172.5	0.0498	0.0770	0.0770	0.0860	0.0724	0.0907	0.0815	0.0860	0.0724	0.0815
175.0	0.0498	0.0770	0.0770	0.0860	0.0724	0.0905	0.0815	0.0860	0.0724	0.0770
177.5	0.0498	0.0770	0.0770	0.0815	0.0724	0.0860	0.0815	0.0815	0.0724	0.0770
180.0	0.0498	0.0770	0.0770	0.0770	0.0724	0.0860	0.0815	0.0770	0.0724	0.0770

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: yechihong
 Test Date: 2020-08-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity: 70%
 Test Distance: 8.425m [K=1.0000]
 Remarks:

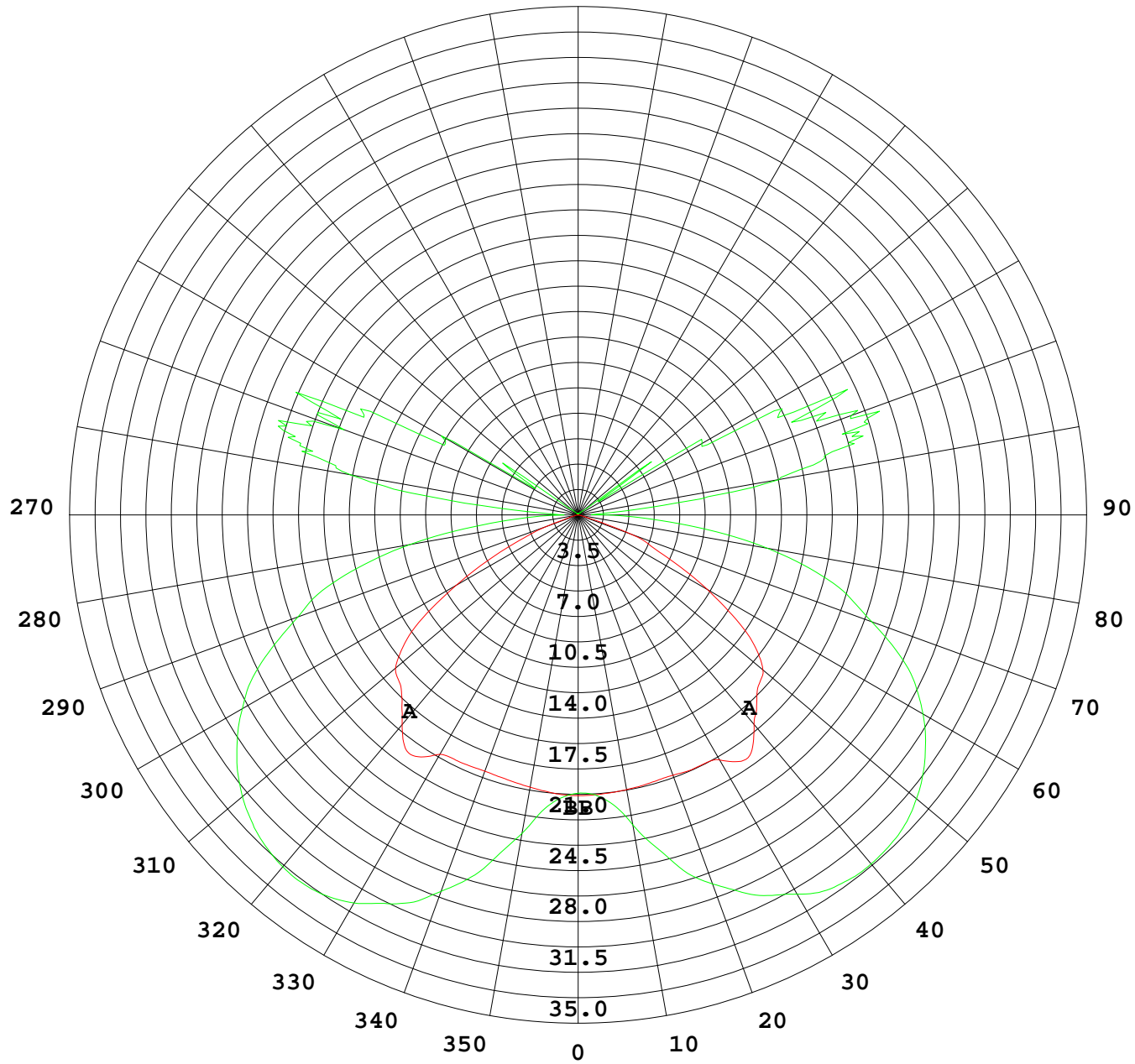
Photometric Data Table [cd]

G/C	300.0	310.0	320.0	330.0	340.0	350.0
0.0	19.20	19.20	19.24	19.25	19.23	19.23
2.5	19.27	19.27	19.28	19.28	19.24	19.23
5.0	19.55	19.48	19.42	19.34	19.23	19.20
7.5	20.07	19.88	19.65	19.44	19.24	19.11
10.0	20.97	20.52	20.02	19.65	19.28	19.05
12.5	22.34	21.54	20.61	19.92	19.35	19.01
15.0	23.44	22.61	21.47	20.33	19.47	18.98
17.5	24.66	23.60	22.49	20.92	19.63	18.98
20.0	25.80	24.81	23.35	21.70	19.89	19.01
22.5	26.66	25.97	24.16	22.39	20.23	19.10
25.0	27.57	26.67	25.08	23.05	20.71	19.24
27.5	28.54	27.23	25.88	23.64	21.20	19.33
30.0	29.17	27.91	26.39	24.23	21.70	19.52
32.5	29.63	28.61	26.75	24.80	22.47	20.24
35.0	30.12	29.01	27.18	25.77	23.55	20.79
37.5	30.57	29.26	27.85	26.73	24.01	20.69
40.0	30.79	29.48	28.87	26.98	23.59	19.91
42.5	30.72	29.84	29.30	26.34	22.73	19.06
45.0	30.57	30.42	28.84	25.24	21.75	18.32
47.5	30.52	30.44	27.71	24.01	20.85	17.83
50.0	30.57	29.68	26.25	22.84	20.30	17.52
52.5	30.74	28.33	24.74	22.04	19.63	16.60
55.0	30.39	26.73	23.52	21.10	18.28	15.28
57.5	29.26	24.99	22.51	19.56	16.61	13.41
60.0	27.52	23.54	20.97	17.70	14.33	11.13
62.5	25.37	22.24	19.23	15.33	11.94	8.944
65.0	23.26	20.57	17.03	12.90	9.539	6.793
67.5	21.63	18.72	14.66	10.44	7.190	4.848
70.0	19.94	16.54	12.17	8.049	5.301	3.381
72.5	18.16	14.16	9.720	6.144	3.008	1.448
75.0	16.21	11.57	7.564	4.028	1.927	0.8178
77.5	13.76	9.274	5.687	3.129	1.301	0.4944
80.0	11.01	8.009	4.807	2.528	0.9408	0.3264
82.5	9.163	6.679	3.925	2.066	0.6790	0.2177
85.0	8.672	4.865	3.203	1.685	0.5015	0.1494
87.5	8.058	4.028	2.620	1.373	0.3755	0.0997
90.0	7.001	3.301	2.149	1.106	0.2760	0.0634
92.5	4.305	2.671	1.728	0.8882	0.1945	0.0407
95.0	3.871	2.130	1.398	0.7108	0.1401	0.0226
97.5	3.743	1.690	1.121	0.5665	0.0950	0.0181
100.0	3.510	1.336	0.8954	0.4578	0.0588	0.0046
102.5	4.420	1.046	0.7288	0.3715	0.0362	0.0045
105.0	3.344	0.8288	0.5925	0.3079	0.0362	0.0045
107.5	3.286	0.6702	0.4887	0.2494	0.0362	0.0045
110.0	2.032	0.5704	0.4163	0.1992	0.0362	0.0045
112.5	0.9036	0.5162	0.3617	0.1540	0.0362	0.0045
115.0	0.6879	0.4710	0.3169	0.1088	0.0362	0.0045
117.5	0.5928	0.4346	0.2714	0.0726	0.0362	0.0045
120.0	0.5386	0.4031	0.2309	0.0679	0.0362	0.0045
122.5	0.4931	0.3578	0.1946	0.0588	0.0362	0.0045
125.0	0.4522	0.3174	0.1629	0.0588	0.0407	0.0091
127.5	0.3936	0.2807	0.1176	0.0543	0.0407	0.0136
130.0	0.3256	0.2309	0.0679	0.0543	0.0408	0.0225
132.5	0.2533	0.1948	0.0679	0.0543	0.0498	0.0226
135.0	0.1854	0.1540	0.0679	0.0498	0.0498	0.0272
137.5	0.1494	0.1223	0.0679	0.0498	0.0498	0.0272
140.0	0.1131	0.0906	0.0679	0.0498	0.0587	0.0317
142.5	0.0905	0.0770	0.0679	0.0498	0.0543	0.0317
145.0	0.0770	0.0770	0.0679	0.0498	0.0543	0.0317
147.5	0.0770	0.0770	0.0679	0.0498	0.0543	0.0317
150.0	0.0770	0.0770	0.0679	0.0498	0.0543	0.0317
152.5	0.0770	0.0770	0.0724	0.0498	0.0543	0.0317
155.0	0.0770	0.0770	0.0814	0.0498	0.0543	0.0317
157.5	0.0770	0.0770	0.0770	0.0498	0.0543	0.0317
160.0	0.0770	0.0770	0.0770	0.0498	0.0543	0.0317
162.5	0.0770	0.0770	0.0770	0.0498	0.0543	0.0362
165.0	0.0770	0.0770	0.0770	0.0498	0.0543	0.0362
167.5	0.0770	0.0770	0.0770	0.0498	0.0543	0.0362
170.0	0.0770	0.0770	0.0770	0.0498	0.0543	0.0362
172.5	0.0770	0.0770	0.0770	0.0498	0.0543	0.0408
175.0	0.0770	0.0770	0.0770	0.0498	0.0543	0.0407
177.5	0.0770	0.0770	0.0770	0.0498	0.0543	0.0453
180.0	0.0770	0.0770	0.0770	0.0543	0.0543	0.0498

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: yechihong
 Test Date: 2020-08-07

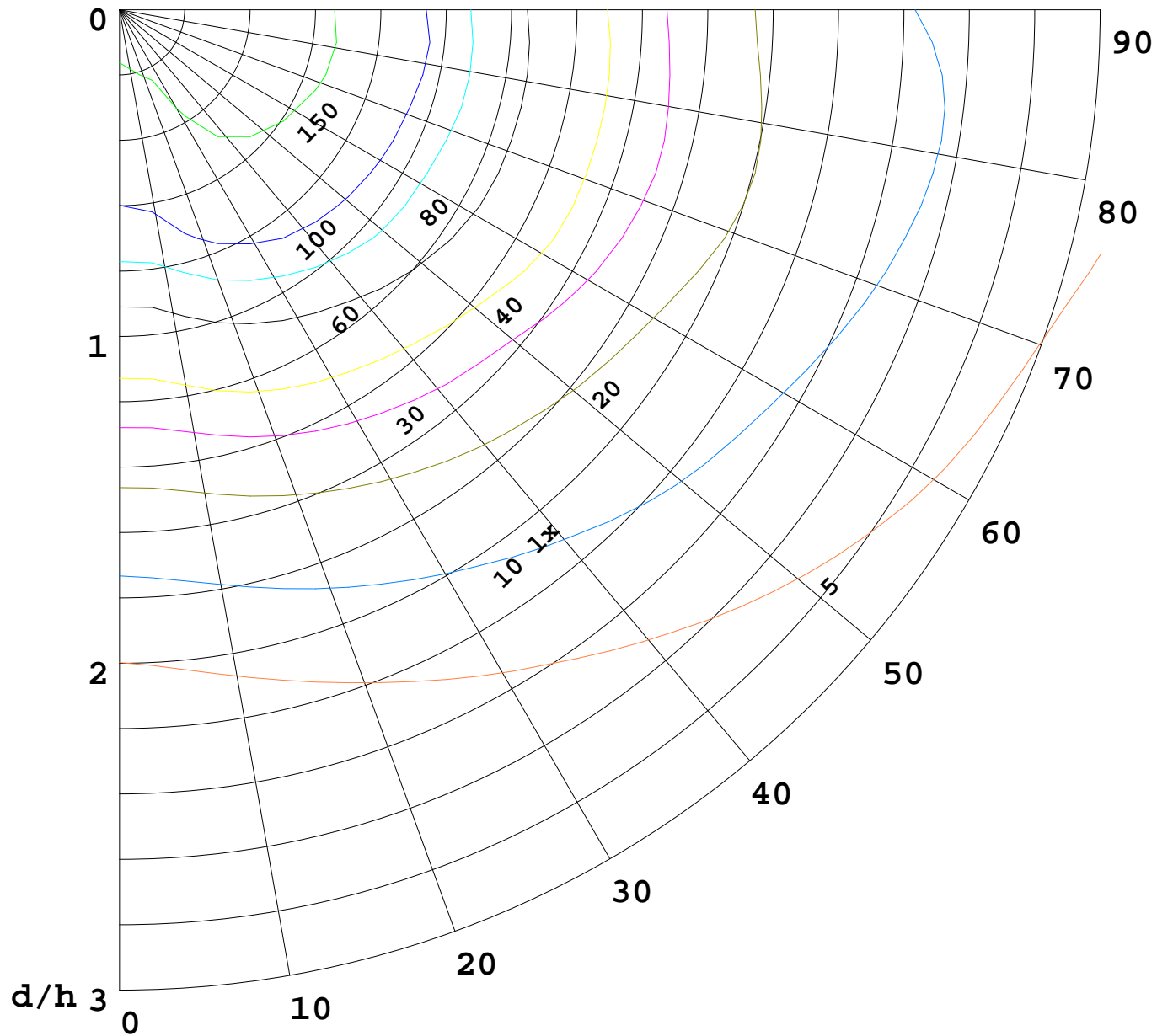
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.272
 Humidity: 70%
 Test Distance: 8.425m [K=1.0000]
 Remarks:

I(cd)



1000 lm

$K = 1$



F = 5000 lm
K = 0.7
Hcc = 0.0 m
Hfc = 0.0 m
Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

