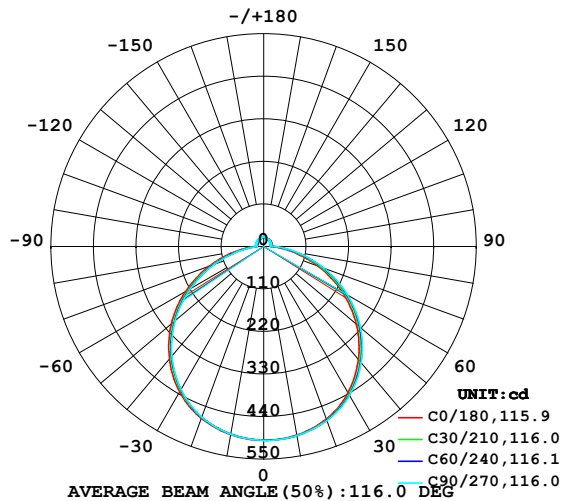


LUMINAIRE PHOTOMETRIC TEST REPORT

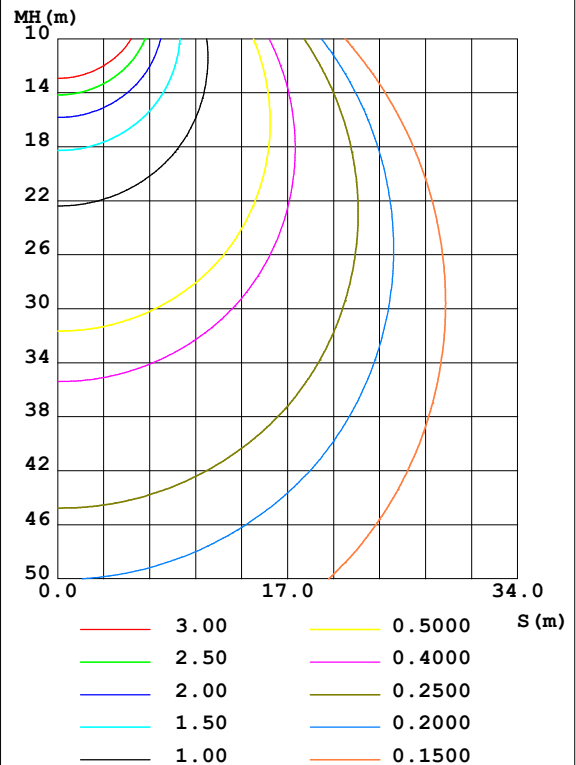
Test:U:120.5V I:0.3310A P:32.50W PF:0.8130 Freq:60.00Hz Lamp Flux:1651.11x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 50.80 lm/W			
MODEL		I _{max} (cd)	502.0	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1651.1	η UP, DN (C0-180)	3.8, 47.4
NOMINAL FLUX (lm)	1651.11	CIE CLASS	DIRECT	η UP, DN (C180-360)	4.1, 44.6
LAMPS INSIDE	1	η up (%)	8.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	92.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.750m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	495.0	496.5	496.6	496.1	493.8	492.6	492.8	494.0	0- 10	47.54	47.54	2.88,2.88
20	474.6	477.5	478.8	476.6	472.9	469.9	469.3	471.9	10- 20	137.3	184.9	11.2,11.2
30	436.7	442.4	444.3	441.1	434.7	429.3	427.7	431.8	20- 30	210.8	395.7	24,24
40	381.2	389.1	392.2	387.5	379.5	372.1	369.7	374.8	30- 40	256.6	652.3	39.5,39.5
50	312.7	322.8	326.7	321.3	311.8	302.7	299.2	305.1	40- 50	268.6	920.9	55.8,55.8
60	234.0	245.9	250.4	244.8	233.7	222.8	219.2	224.9	50- 60	245.5	1166	70.6,70.6
70	150.3	161.7	166.3	161.8	150.6	139.3	134.9	140.9	60- 70	190.6	1357	82.2,82.2
80	70.32	80.77	85.77	81.65	71.96	61.86	57.45	62.74	70- 80	116.2	1473	89.2,89.2
90	20.64	23.73	25.83	23.84	20.97	19.44	20.15	20.67	80- 90	46.27	1519	92,92
100	20.43	18.94	18.36	17.97	19.55	19.39	21.04	20.65	90-100	21.38	1541	93.3,93.3
110	20.78	18.48	19.02	17.80	20.13	19.71	21.42	20.73	100-110	20.55	1561	94.6,94.6
120	21.11	19.46	19.41	18.93	21.01	21.17	22.20	21.99	110-120	19.86	1581	95.8,95.8
130	21.96	20.73	20.32	20.31	22.15	22.49	23.17	23.14	120-130	18.97	1600	96.9,96.9
140	22.42	21.74	21.13	21.30	22.84	23.22	23.35	23.55	130-140	17.15	1617	98,98
150	22.54	22.14	21.67	21.83	23.10	23.42	23.40	23.32	140-150	14.18	1632	98.8,98.8
160	22.81	22.11	22.26	21.97	23.47	23.14	23.43	22.80	150-160	10.50	1642	99.4,99.4
170	25.19	24.33	25.11	24.31	25.14	25.16	25.52	24.87	160-170	6.680	1649	99.9,99.9
180	26.27	25.64	26.44	25.42	26.32	25.65	26.42	25.42	170-180	2.409	1651	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 787.31 lm

%lum = 47.7%

%lamp = 47.7%

Conical surface Flux(120deg): 1166.4 lm

%lum = 70.6%

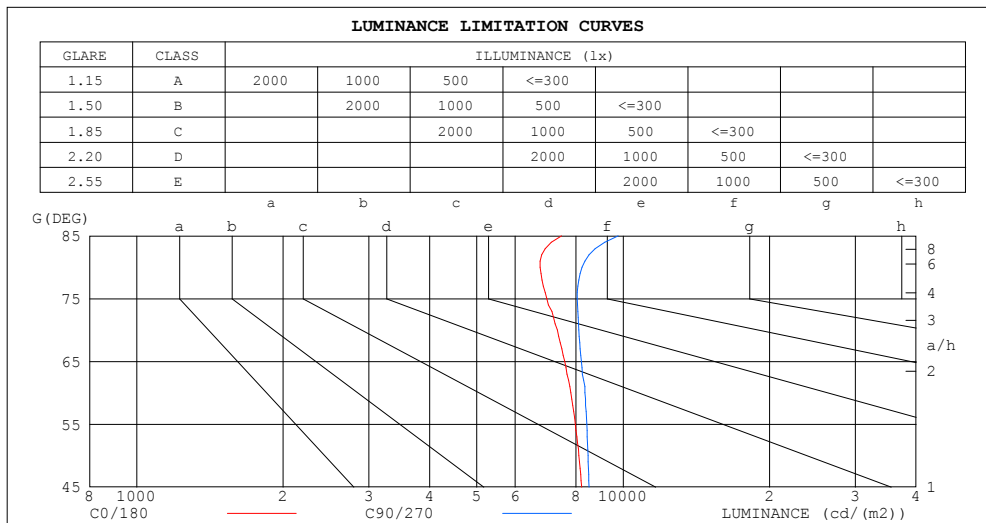
%lamp = 70.6%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.3310A P:32.50W PF:0.8130 Freq:60.00Hz Lamp Flux:1651.11x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7475	9772
80	6750	8232
75	6969	8043
70	7322	8103
65	7583	8206
60	7801	8345
55	7975	8416
50	8109	8472
45	8215	8505

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.5V I:0.3310A P:32.50W PF:0.8130 Freq:60.00Hz Lamp Flux:1651.11x1 lm								
NAME: DRF19-34DOB-95C-120D-BL 整灯 2700K				TYPE:			WEIGHT:	
SPEC.:				DIM.:			SERIAL No.:	
MFR.: 革星				SUR.:19寸			Shielding Angle:	

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.321	.182	.058	.311	.178	.056	.293	.168	.054	.277	.160	.051	.262	.152	.049		
2.0	.297	.163	.050	.288	.159	.049	.272	.151	.047	.257	.144	.045	.244	.138	.043		
3.0	.272	.145	.043	.265	.142	.043	.250	.136	.041	.237	.130	.040	.225	.125	.039		
4.0	.250	.130	.038	.243	.127	.038	.231	.122	.037	.219	.117	.035	.208	.113	.034		
5.0	.231	.118	.034	.225	.115	.034	.213	.111	.033	.202	.107	.032	.192	.103	.031		
6.0	.214	.107	.031	.208	.105	.030	.198	.101	.029	.188	.098	.029	.179	.094	.028		
7.0	.198	.098	.028	.193	.096	.027	.184	.093	.027	.175	.090	.026	.167	.087	.025		
8.0	.185	.090	.025	.181	.089	.025	.172	.086	.025	.164	.083	.024	.156	.080	.023		
9.0	.173	.084	.023	.169	.082	.023	.161	.080	.023	.154	.077	.022	.147	.075	.022		
10.0	.163	.078	.022	.159	.077	.021	.152	.074	.021	.145	.072	.020	.139	.070	.020		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.251	.251	.251	.215	.215	.215	.147	.147	.147	.084	.084	.084	.027	.027	.027	
1.0	.242	.217	.195	.207	.187	.168	.142	.128	.116	.082	.074	.067	.026	.024	.022	
2.0	.235	.194	.159	.201	.167	.138	.138	.115	.096	.079	.067	.056	.025	.022	.018	
3.0	.227	.176	.136	.195	.152	.118	.134	.106	.083	.077	.062	.049	.025	.020	.016	
4.0	.219	.163	.120	.188	.141	.105	.129	.098	.074	.075	.058	.044	.024	.019	.014	
5.0	.212	.153	.110	.182	.132	.095	.125	.093	.067	.073	.054	.040	.023	.018	.013	
6.0	.205	.145	.102	.176	.125	.089	.122	.088	.063	.070	.052	.037	.023	.017	.012	
7.0	.198	.138	.096	.170	.120	.084	.118	.084	.059	.068	.049	.035	.022	.016	.012	
8.0	.192	.132	.092	.165	.115	.080	.114	.081	.057	.066	.048	.034	.021	.016	.011	
9.0	.186	.128	.088	.160	.111	.077	.111	.078	.055	.065	.046	.033	.021	.015	.011	
10.0	.180	.123	.086	.155	.107	.075	.108	.075	.053	.063	.045	.032	.020	.015	.011	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.5V I:0.3310A P:32.50W PF:0.8130 Freq:60.00Hz Lamp Flux:1651.11x1 lm											
NAME: DRF19-34DOB-95C-120D-BL 整灯 2700K					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: 革星					SUR.:19寸			Shielding 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		18.0	19.5	18.4	19.8	20.2	18.3	19.7	18.6	20.0	20.4
3H		19.6	20.9	20.0	21.3	21.7	19.9	21.3	20.4	21.6	22.0
4H		20.3	21.5	20.7	21.9	22.3	20.7	21.9	21.1	22.3	22.7
6H		20.8	21.9	21.2	22.3	22.8	21.3	22.5	21.8	22.9	23.3
8H		21.0	22.1	21.4	22.5	23.0	21.6	22.7	22.0	23.1	23.6
12H		21.1	22.2	21.6	22.6	23.1	21.8	22.9	22.3	23.3	23.8
4H 2H		18.7	19.9	19.1	20.3	20.7	18.9	20.1	19.3	20.5	20.9
3H		20.5	21.5	20.9	22.0	22.4	20.7	21.8	21.2	22.3	22.7
4H		21.2	22.2	21.7	22.7	23.2	21.6	22.6	22.1	23.1	23.6
6H		21.9	22.8	22.4	23.3	23.8	22.4	23.3	22.9	23.8	24.3
8H		22.2	23.0	22.7	23.5	24.0	22.7	23.5	23.3	24.1	24.6
12H		22.4	23.1	22.9	23.7	24.2	23.0	23.8	23.6	24.3	24.9
8H 4H		21.6	22.4	22.1	22.9	23.5	21.9	22.7	22.4	23.2	23.8
6H		22.4	23.1	23.0	23.6	24.2	22.9	23.5	23.4	24.1	24.7
8H		22.8	23.4	23.4	24.0	24.6	23.3	23.9	23.9	24.5	25.1
12H		23.2	23.7	23.7	24.3	24.9	23.8	24.3	24.4	24.9	25.5
12H 4H		21.6	22.4	22.2	22.9	23.5	21.9	22.7	22.5	23.2	23.8
6H		22.5	23.1	23.1	23.7	24.3	22.9	23.6	23.5	24.1	24.7
8H		23.0	23.5	23.6	24.1	24.7	23.5	24.0	24.1	24.6	25.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.1 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 1651 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.7$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.3310A P:32.50W PF:0.8130 Freq:60.00Hz Lamp Flux:1651.11x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

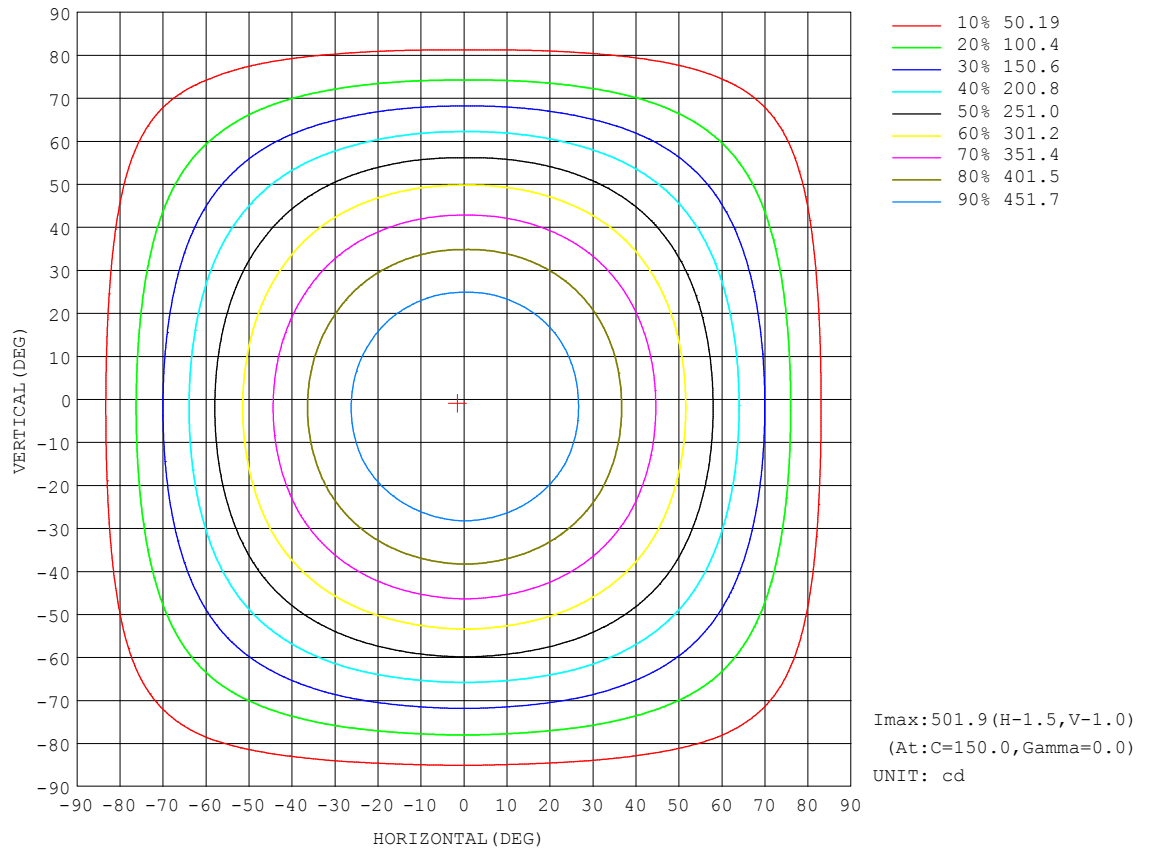
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	43	36	53	42	35	52	41	35	28
0.80	64	52	45	63	52	44	61	50	44	36
1.00	72	61	53	71	60	53	68	61	52	44
1.25	80	69	61	78	68	60	74	65	59	51
1.50	85	74	67	82	73	66	78	70	64	56
2.00	92	82	76	89	81	74	85	78	72	63
2.50	96	87	81	93	85	80	88	82	77	67
3.00	99	92	86	96	90	84	91	86	81	70
4.00	103	97	92	100	95	90	95	90	86	75
5.00	106	101	96	103	98	94	97	93	90	78
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.5V I:0.3310A P:32.50W PF:0.8130 Freq:60.00Hz Lamp Flux:1651.11x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

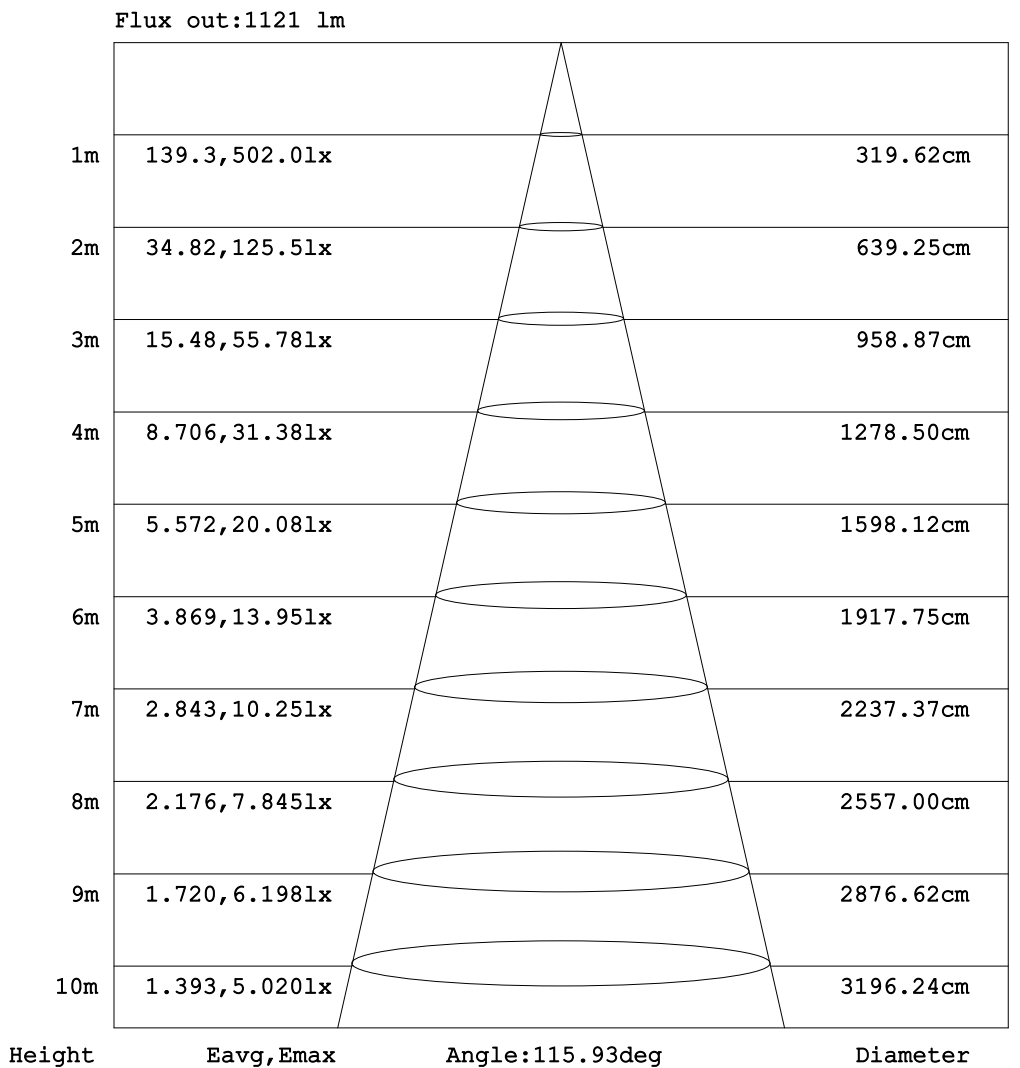


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.5V I:0.3310A P:32.50W PF:0.8130 Freq:60.00Hz Lamp Flux:1651.11x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

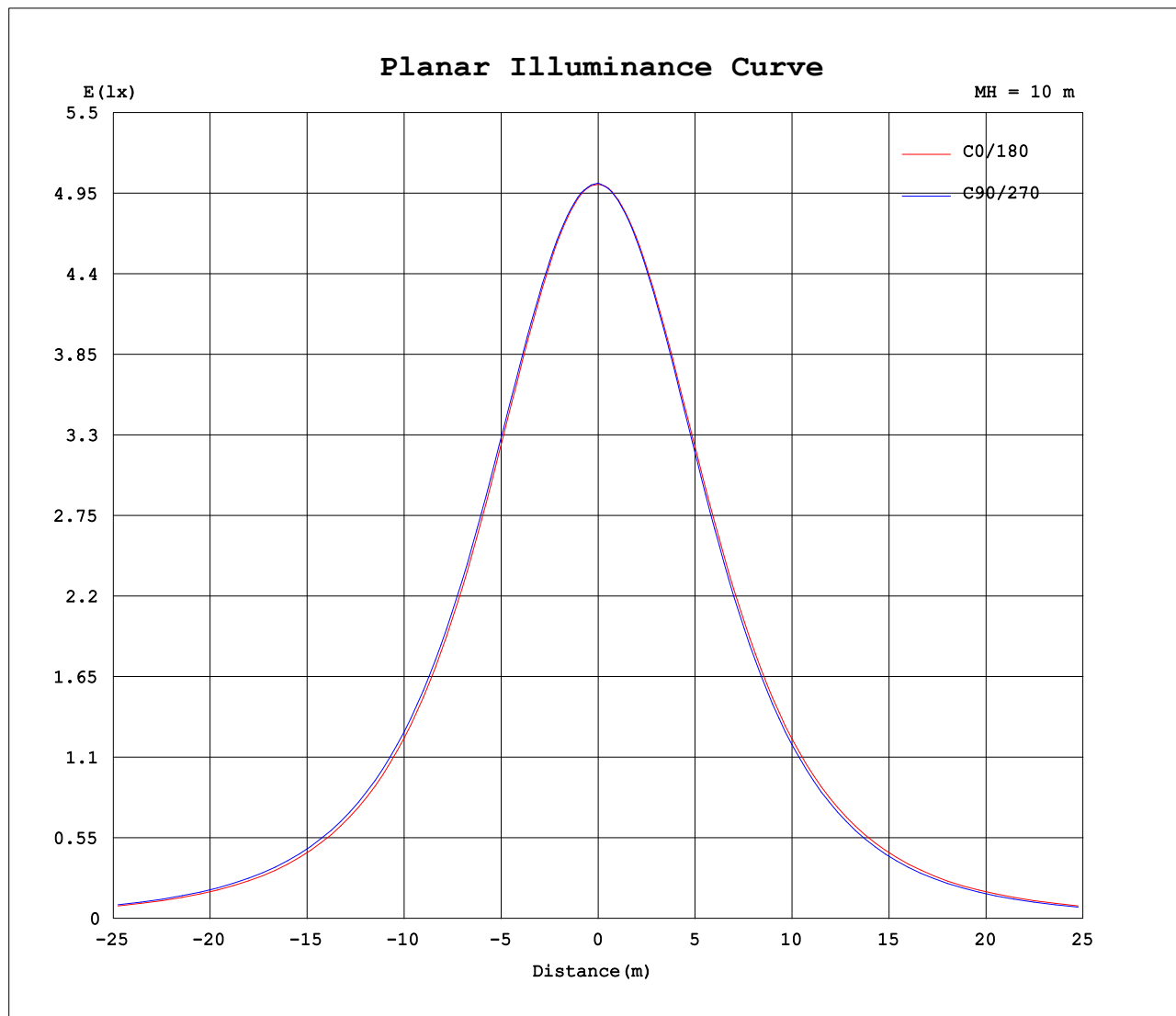


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.750m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.3310A P:32.50W PF:0.8130 Freq:60.00Hz Lamp Flux:1651.11x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	501	501	501	502	502	502	501	501	501	502	502	502							
5	500	500	500	501	500	501	499	499	498	499	499	500							
10	495	496	497	497	496	496	494	493	493	493	493	495							
15	487	488	489	490	489	488	485	483	483	483	484	486							
20	475	477	478	479	477	476	473	470	469	469	471	473							
25	458	461	463	464	462	460	456	453	451	451	453	456							
30	437	441	444	444	442	440	435	430	428	428	430	434							
35	411	416	419	420	418	415	409	404	401	400	403	407							
40	381	388	391	392	389	386	379	373	371	370	373	377							
45	349	355	359	361	358	354	347	340	337	336	339	344							
50	313	321	325	327	323	319	312	304	301	299	303	307							
55	274	283	288	290	286	282	274	266	262	260	264	269							
60	234	244	248	250	247	242	234	225	220	219	222	228							
65	192	201	207	208	206	200	192	184	178	177	180	186							
70	150	158	165	166	165	159	151	142	137	135	138	144							
75	108	117	123	125	123	118	110	101	96.5	93.8	97.4	102							
80	70.3	78.4	83.1	85.8	83.7	79.6	72.0	63.8	59.9	57.5	60.6	64.9							
85	39.1	45.0	48.8	51.1	49.3	46.1	40.5	34.4	31.8	30.1	32.2	35.3							
90	20.6	22.9	24.5	25.8	24.8	22.9	21.0	19.3	19.6	20.2	20.6	20.7							
95	19.9	19.0	18.2	17.8	17.7	17.8	19.1	19.4	20.0	20.6	20.9	20.9							
100	20.4	19.4	18.5	18.4	18.2	17.8	19.5	19.1	19.6	21.0	20.6	20.7							
105	20.8	19.1	18.0	18.8	18.0	17.4	20.0	19.0	19.4	21.4	20.4	20.4							
110	20.8	18.9	18.1	19.0	17.9	17.7	20.1	19.5	20.0	21.4	20.8	20.7							
115	20.7	19.3	18.5	19.1	18.3	18.3	20.4	20.2	20.7	21.7	21.4	21.3							
120	21.1	19.8	19.1	19.4	18.9	18.9	21.0	21.0	21.4	22.2	22.1	21.9							
125	21.5	20.4	19.7	19.8	19.6	19.7	21.6	21.7	22.0	22.7	22.7	22.5							
130	22.0	21.0	20.4	20.3	20.3	20.3	22.1	22.4	22.6	23.2	23.2	23.1							
135	22.3	21.6	21.0	20.8	20.9	20.9	22.6	22.8	23.1	23.3	23.5	23.4							
140	22.4	22.1	21.3	21.1	21.4	21.2	22.8	23.1	23.4	23.3	23.6	23.5							
145	22.5	22.4	21.6	21.4	21.7	21.5	22.9	23.2	23.5	23.3	23.5	23.5							
150	22.5	22.5	21.8	21.7	21.9	21.7	23.1	23.3	23.5	23.4	23.3	23.4							
155	22.6	22.5	21.8	22.0	22.0	21.9	23.3	23.2	23.4	23.4	23.0	23.1							
160	22.8	22.4	21.9	22.3	22.0	21.9	23.5	23.1	23.2	23.4	22.8	22.8							
165	23.8	23.3	23.0	23.4	23.4	23.1	24.3	24.3	24.7	24.5	23.9	24.0							
170	25.2	24.7	24.0	25.1	24.7	23.9	25.1	24.7	25.6	25.5	24.6	25.1							
175	25.9	25.3	25.1	25.9	25.1	24.8	25.8	25.1	25.6	26.0	25.1	25.1							
180	26.3	25.5	25.8	26.4	25.4	25.4	26.3	25.5	25.8	26.4	25.5	25.4							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks: