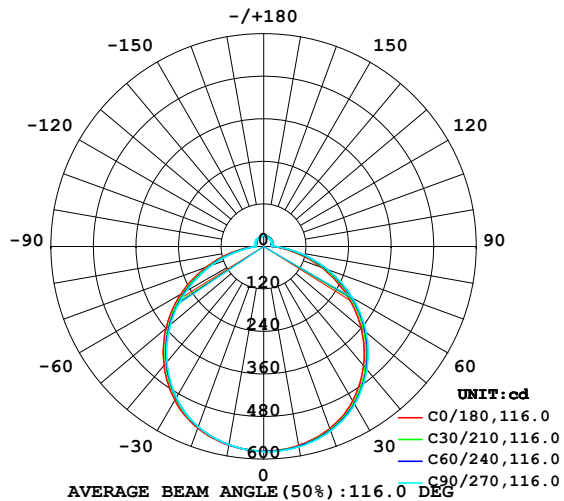


LUMINAIRE PHOTOMETRIC TEST REPORT

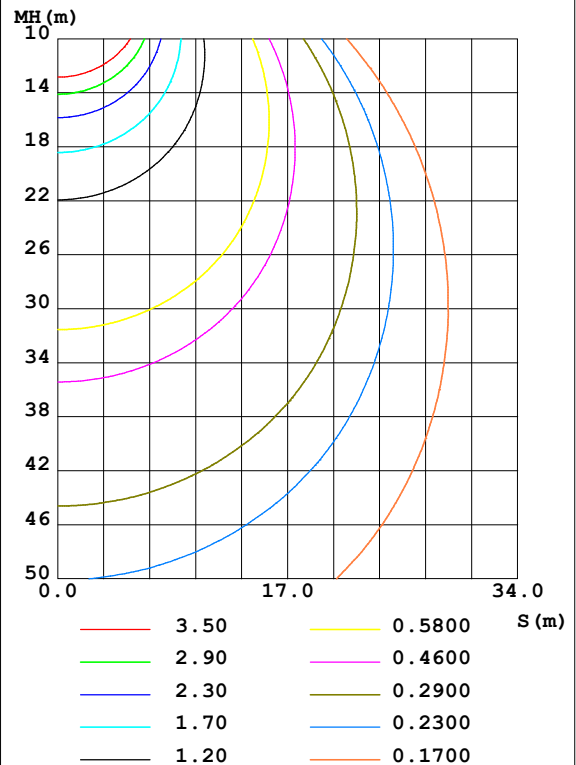
Test:U:120.5V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1922.12x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 58.96 lm/W			
MODEL		I _{max} (cd)	579.7	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1922.1	η UP, DN (C0-180)	4.2, 47.1
NOMINAL FLUX (lm)	1922.12	CIE CLASS	DIRECT	η UP, DN (C180-360)	4.4, 44.3
LAMPS INSIDE	1	η up (%)	8.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	91.3	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: 2024-04-10

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	569.6	572.4	574.2	573.4	569.2	567.8	567.5	569.7	0- 10	54.83	54.83	2.85,2.85
20	546.3	550.9	553.5	551.2	545.0	541.6	540.8	544.0	10- 20	158.4	213.2	11.1,11.1
30	502.8	510.4	514.3	510.2	501.4	494.5	492.5	497.5	20- 30	243.2	456.5	23.7,23.7
40	438.2	448.5	453.4	448.5	437.8	428.5	425.0	431.2	30- 40	295.9	752.4	39.1,39.1
50	359.3	371.8	377.7	371.8	360.2	348.6	343.4	351.0	40- 50	309.5	1062	55.2,55.2
60	269.7	283.2	289.2	283.3	270.8	257.9	251.8	259.9	50- 60	283.1	1345	70,70
70	174.1	186.5	192.3	186.7	174.0	161.5	156.2	163.6	60- 70	220.4	1565	81.4,81.4
80	83.35	94.07	99.13	93.87	83.65	73.02	68.36	74.99	70- 80	135.1	1700	88.5,88.5
90	25.59	28.70	30.77	28.72	26.11	24.67	24.63	25.16	80- 90	54.99	1755	91.3,91.3
100	25.47	23.87	23.28	23.28	25.26	24.65	25.84	25.43	90-100	26.74	1782	92.7,92.7
110	26.29	23.68	24.45	23.05	25.72	24.85	26.35	25.71	100-110	25.99	1808	94.1,94.1
120	26.90	25.30	25.17	24.52	26.43	26.49	27.34	27.49	110-120	25.19	1833	95.4,95.4
130	28.33	27.21	26.57	26.27	27.61	27.98	28.53	29.08	120-130	24.13	1858	96.6,96.6
140	29.29	28.68	27.62	27.30	28.25	28.61	28.84	29.67	130-140	21.83	1879	97.8,97.8
150	29.76	29.28	28.05	27.62	28.59	28.58	28.95	29.54	140-150	18.02	1897	98.7,98.7
160	30.02	29.14	28.60	27.44	28.94	28.02	28.89	28.78	150-160	13.30	1911	99.4,99.4
170	32.40	31.35	31.59	30.63	31.83	31.14	31.65	31.30	160-170	8.425	1919	99.8,99.8
180	33.29	32.23	33.11	32.03	33.27	32.21	33.09	32.02	170-180	3.037	1922	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 907.98 lm

%lum = 47.2%

%lamp = 47.2%

Conical surface Flux(120deg): 1345 lm

%lum = 70.0%

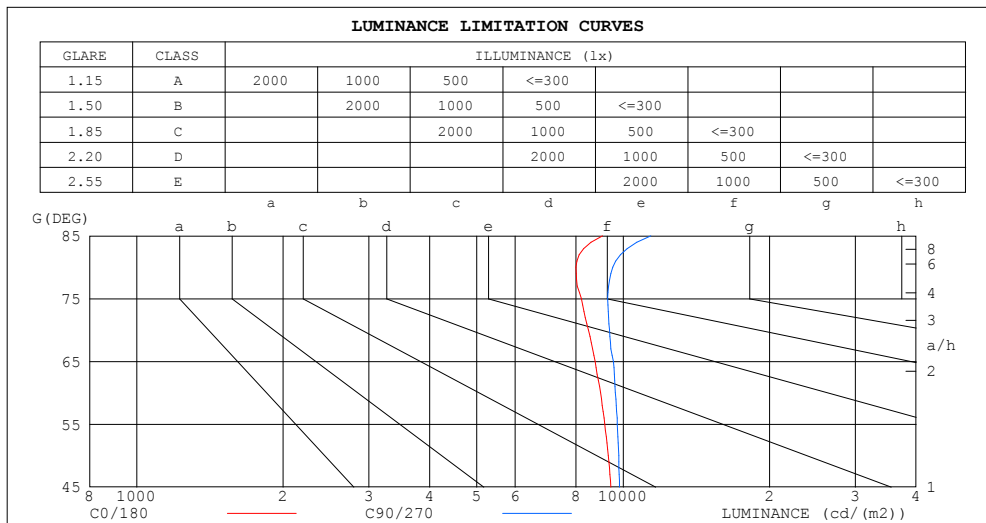
%lamp = 70.0%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1922.12x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9066	11396
80	8000	9514
75	8203	9296
70	8482	9373
65	8761	9553
60	8990	9640
55	9169	9731
50	9317	9794
45	9439	9834

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1922.12x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 5000K	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	.183	.058	.312	.178	.056	.293	.168	.054	.277	.160	.051	.261	.151	.049		
2.0	.297	.163	.050	.288	.159	.049	.272	.151	.047	.257	.144	.045	.243	.137	.043		
3.0	.272	.145	.043	.265	.142	.043	.250	.135	.041	.236	.130	.040	.224	.124	.038		
4.0	.250	.130	.038	.243	.127	.038	.230	.122	.036	.218	.117	.035	.206	.112	.034		
5.0	.231	.117	.034	.224	.115	.034	.212	.111	.033	.201	.106	.032	.191	.102	.031		
6.0	.213	.107	.031	.208	.105	.030	.197	.101	.029	.187	.097	.029	.178	.094	.028		
7.0	.198	.098	.028	.193	.096	.027	.183	.093	.027	.174	.089	.026	.166	.086	.025		
8.0	.185	.090	.025	.180	.089	.025	.171	.086	.024	.163	.083	.024	.155	.080	.023		
9.0	.173	.084	.023	.169	.082	.023	.161	.080	.023	.153	.077	.022	.146	.074	.021		
10.0	.163	.078	.022	.159	.077	.021	.151	.074	.021	.144	.072	.020	.138	.069	.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	.257	.257	.257	.219	.219	.219	.150	.150	.150	.086	.086	.086	.027	.027	.027		
1.0	.248	.223	.200	.212	.191	.172	.145	.131	.119	.083	.076	.069	.027	.024	.022		
2.0	.240	.199	.164	.206	.171	.142	.141	.118	.099	.081	.069	.058	.026	.022	.019		
3.0	.232	.182	.141	.199	.157	.123	.137	.109	.086	.079	.064	.051	.025	.021	.017		
4.0	.225	.169	.126	.193	.146	.109	.133	.102	.077	.077	.060	.046	.025	.019	.015		
5.0	.217	.159	.115	.187	.137	.100	.129	.096	.071	.075	.056	.042	.024	.018	.014		
6.0	.210	.150	.107	.181	.130	.093	.125	.091	.066	.072	.054	.039	.023	.018	.013		
7.0	.204	.144	.102	.175	.124	.089	.121	.087	.063	.070	.051	.037	.023	.017	.012		
8.0	.197	.138	.097	.170	.120	.085	.117	.084	.060	.068	.050	.036	.022	.016	.012		
9.0	.191	.133	.094	.165	.115	.082	.114	.081	.058	.066	.048	.035	.022	.016	.011		
10.0	.185	.129	.091	.160	.112	.080	.111	.079	.057	.065	.047	.034	.021	.015	.011		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1922.12x1 lm											
NAME: DRF19-34DOB-95C-120D-WH 整灯 5000K						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	17.9	19.4	18.3	19.7	20.1	18.2	19.6	18.6	20.0	20.3	
	3H	19.5	20.8	19.9	21.2	21.6	19.9	21.2	20.3	21.6	22.0
	4H	20.2	21.4	20.6	21.8	22.3	20.6	21.9	21.1	22.3	22.7
	6H	20.7	21.9	21.2	22.3	22.8	21.2	22.4	21.7	22.8	23.3
	8H	20.9	22.0	21.4	22.5	23.0	21.5	22.6	22.0	23.1	23.5
	12H	21.1	22.2	21.6	22.6	23.1	21.7	22.8	22.2	23.3	23.8
4H	2H	18.6	19.8	19.0	20.2	20.7	18.8	20.0	19.2	20.4	20.9
	3H	20.4	21.5	20.9	21.9	22.4	20.7	21.7	21.1	22.2	22.7
	4H	21.2	22.2	21.7	22.6	23.1	21.5	22.5	22.0	23.0	23.5
	6H	21.9	22.7	22.4	23.2	23.8	22.3	23.2	22.8	23.7	24.2
	8H	22.1	22.9	22.7	23.5	24.0	22.7	23.5	23.2	24.0	24.6
	12H	22.4	23.1	22.9	23.6	24.2	23.0	23.7	23.5	24.3	24.8
8H	4H	21.5	22.3	22.1	22.8	23.4	21.8	22.6	22.4	23.2	23.7
	6H	22.4	23.1	23.0	23.6	24.2	22.8	23.5	23.4	24.0	24.6
	8H	22.8	23.4	23.4	23.9	24.6	23.3	23.9	23.8	24.4	25.1
	12H	23.1	23.7	23.8	24.3	24.9	23.7	24.2	24.3	24.8	25.5
12H	4H	21.5	22.3	22.1	22.8	23.4	21.9	22.6	22.4	23.1	23.7
	6H	22.5	23.1	23.1	23.7	24.3	22.9	23.5	23.5	24.1	24.7
	8H	22.9	23.5	23.5	24.1	24.7	23.4	23.9	24.0	24.5	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, 1922 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.3$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-10

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:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1922.12x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

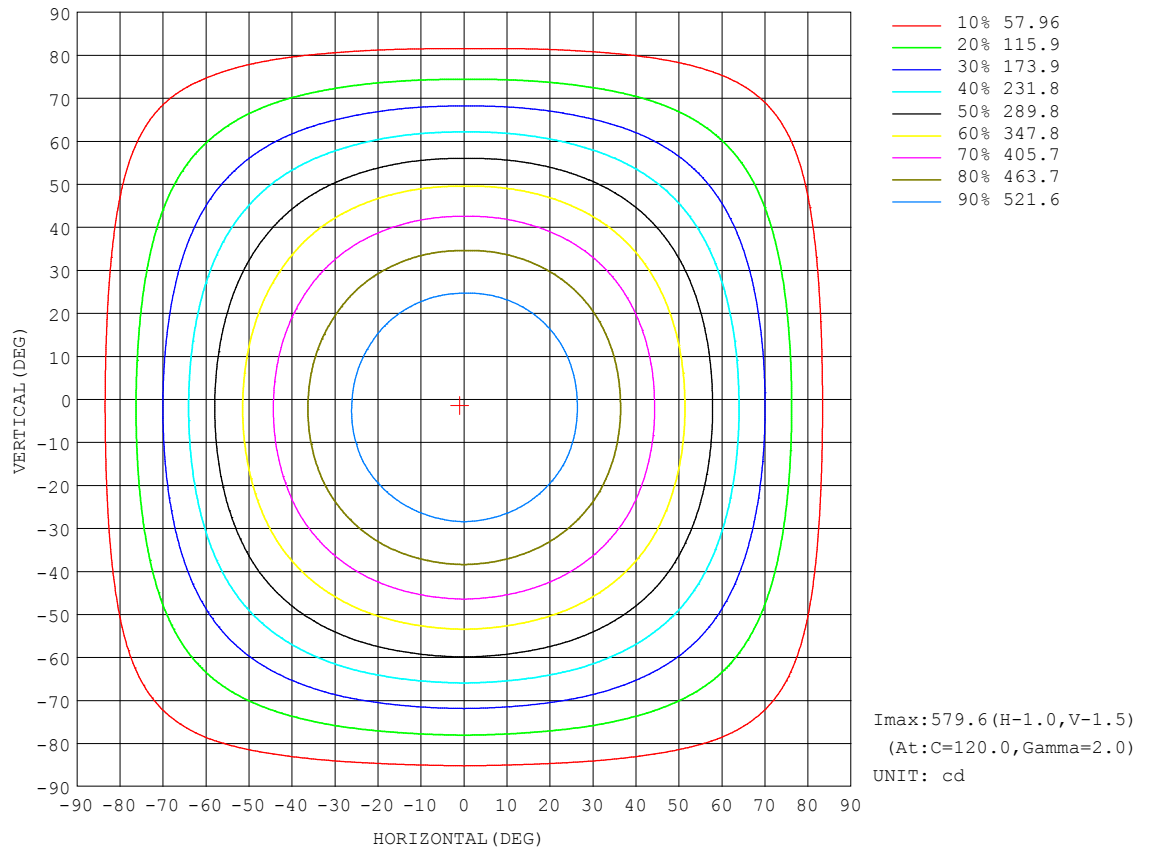
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	51	41	35	28
0.80	64	52	45	63	51	44	60	50	44	36
1.00	72	61	53	71	60	53	68	61	52	44
1.25	79	68	61	77	67	60	74	65	59	50
1.50	84	74	66	82	73	66	78	70	64	55
2.00	91	82	75	89	80	74	84	77	72	62
2.50	95	87	81	93	85	79	88	81	76	66
3.00	99	91	85	96	89	84	91	85	81	70
4.00	103	97	92	100	94	90	94	90	86	74
5.00	106	100	96	102	98	94	96	93	89	77
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:2024-04-10

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:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1922.12x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

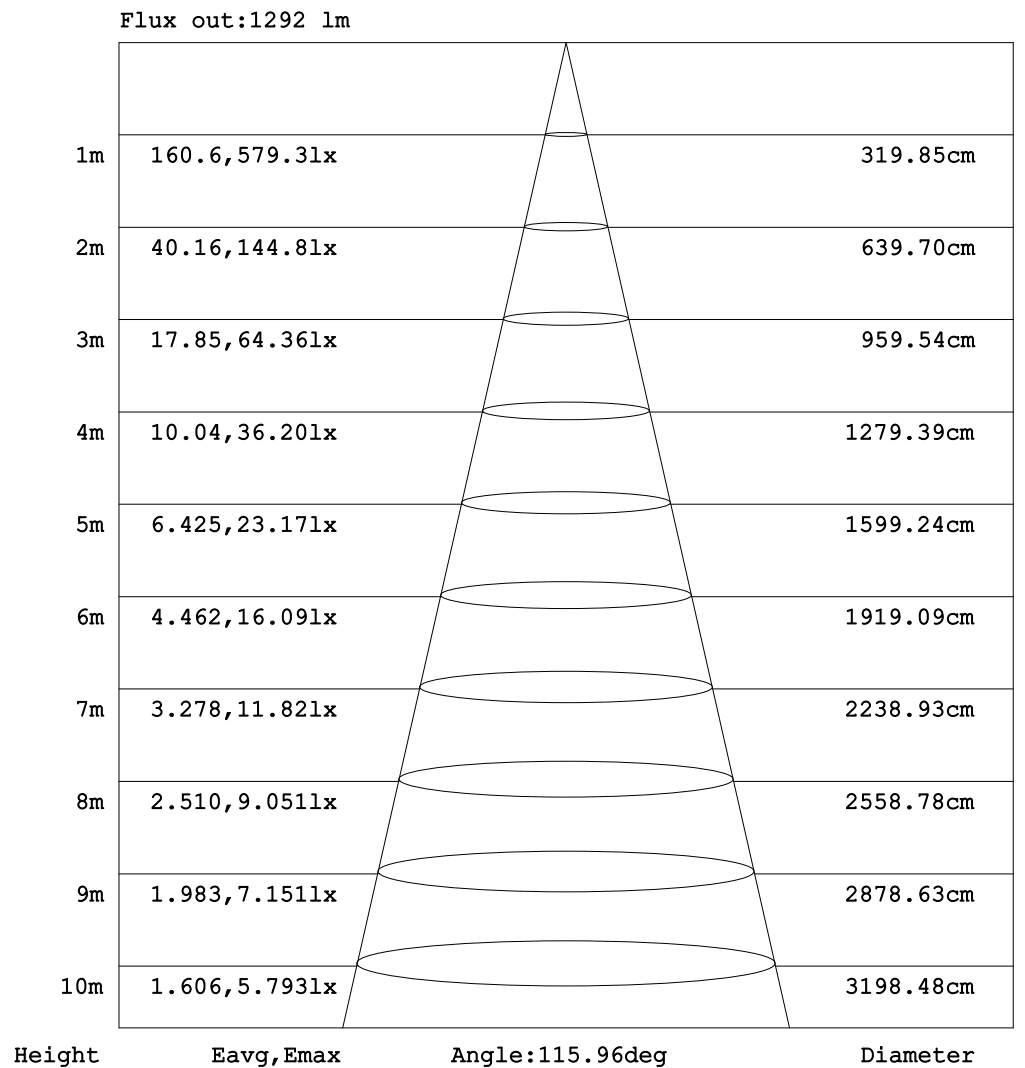


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1922.12x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

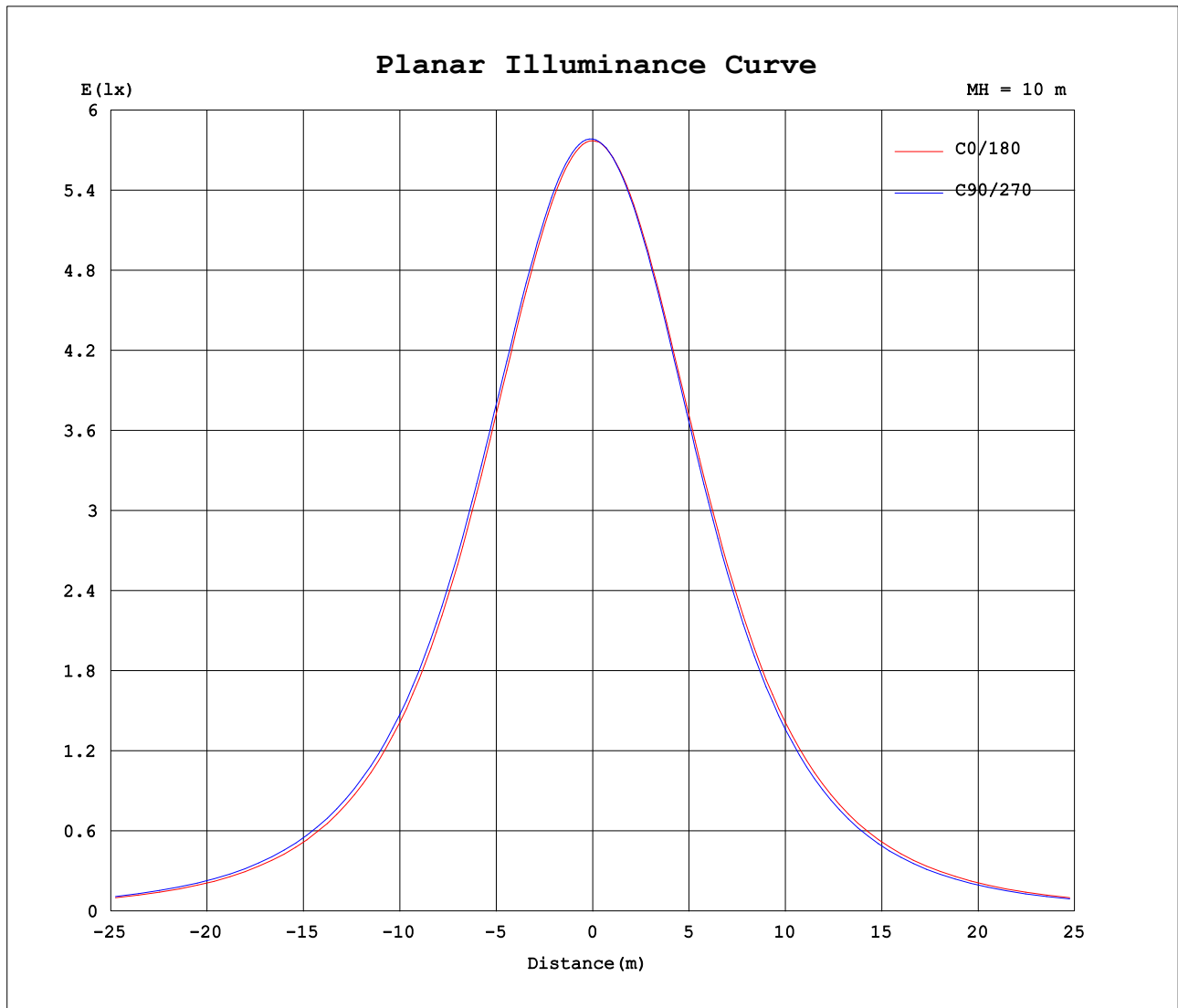


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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: 2024-04-10

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:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1922.12x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 5000K	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	577	578	578	578	579	579	577	578	578	578	579	579						
5	575	577	578	578	578	578	575	575	575	575	576	577						
10	570	572	573	574	574	573	569	568	568	568	569	570						
15	560	563	565	566	565	564	559	557	557	557	559	560						
20	546	550	552	554	552	550	545	542	541	541	543	545						
25	528	532	535	537	535	532	526	522	520	520	522	525						
30	503	509	512	514	512	508	501	496	493	492	495	500						
35	473	480	484	486	484	479	471	465	462	461	464	469						
40	438	446	451	453	451	446	438	430	427	425	429	434						
45	400	409	414	417	414	409	400	392	388	386	390	395						
50	359	369	375	378	374	369	360	351	346	343	348	354						
55	316	326	332	335	332	326	316	307	302	299	304	310						
60	270	280	286	289	286	280	271	260	255	252	257	263						
65	222	232	239	242	239	232	222	213	206	204	207	215						
70	174	183	190	192	190	183	174	165	158	156	160	167						
75	127	136	142	144	142	136	127	118	113	110	114	121						
80	83.4	91.5	96.6	99.1	96.4	91.3	83.7	75.1	70.9	68.4	72.3	77.7						
85	47.4	53.4	57.3	59.6	57.2	53.7	47.9	41.7	38.7	36.8	39.6	43.5						
90	25.6	27.9	29.5	30.8	29.6	27.9	26.1	24.7	24.6	24.6	24.9	25.4						
95	24.5	23.6	22.8	22.4	22.7	23.2	24.8	25.0	25.1	25.2	25.4	25.6						
100	25.5	24.4	23.4	23.3	23.3	23.2	25.3	24.7	24.6	25.8	25.2	25.6						
105	26.2	24.1	23.0	24.1	23.2	22.6	25.7	24.3	24.4	26.3	25.0	25.4						
110	26.3	24.2	23.2	24.4	23.2	22.9	25.7	24.8	24.9	26.4	25.6	25.9						
115	26.3	24.8	24.0	24.6	23.8	23.6	25.9	25.6	25.7	26.7	26.5	26.7						
120	26.9	25.7	24.9	25.2	24.6	24.4	26.4	26.4	26.6	27.3	27.4	27.6						
125	27.6	26.6	25.8	25.8	25.5	25.3	27.0	27.2	27.4	28.0	28.2	28.5						
130	28.3	27.6	26.8	26.6	26.4	26.1	27.6	27.9	28.1	28.5	28.9	29.3						
135	28.9	28.5	27.6	27.3	27.2	26.7	28.1	28.3	28.6	28.8	29.2	29.7						
140	29.3	29.2	28.2	27.6	27.6	27.0	28.2	28.4	28.8	28.8	29.4	30.0						
145	29.7	29.6	28.5	27.8	27.9	27.1	28.4	28.5	28.9	28.9	29.3	30.0						
150	29.8	29.8	28.8	28.0	28.0	27.3	28.6	28.4	28.7	28.9	29.1	29.9						
155	29.9	29.7	28.9	28.4	27.9	27.3	28.8	28.2	28.4	28.9	28.8	29.6						
160	30.0	29.6	28.7	28.6	27.8	27.1	28.9	27.9	28.1	28.9	28.4	29.2						
165	31.0	30.5	29.8	29.7	29.3	29.0	30.5	29.9	30.1	30.4	29.8	30.4						
170	32.4	31.9	30.8	31.6	31.1	30.1	31.8	30.7	31.5	31.6	30.8	31.8						
175	33.0	32.4	31.7	32.5	31.7	31.3	32.7	31.6	31.6	32.4	31.5	31.7						
180	33.3	32.3	32.2	33.1	32.0	32.1	33.3	32.3	32.2	33.1	32.0	32.0						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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: