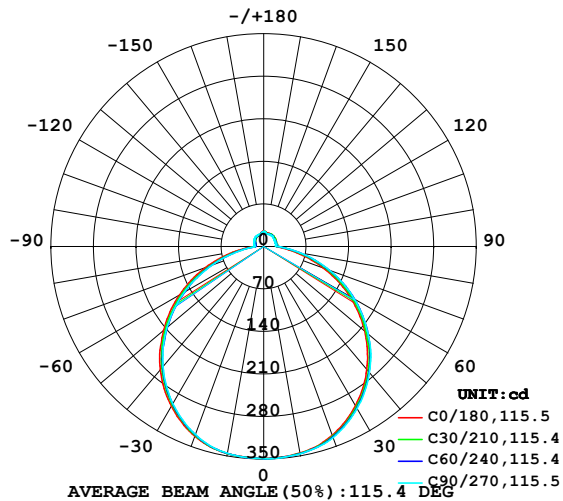


LUMINAIRE PHOTOMETRIC TEST REPORT

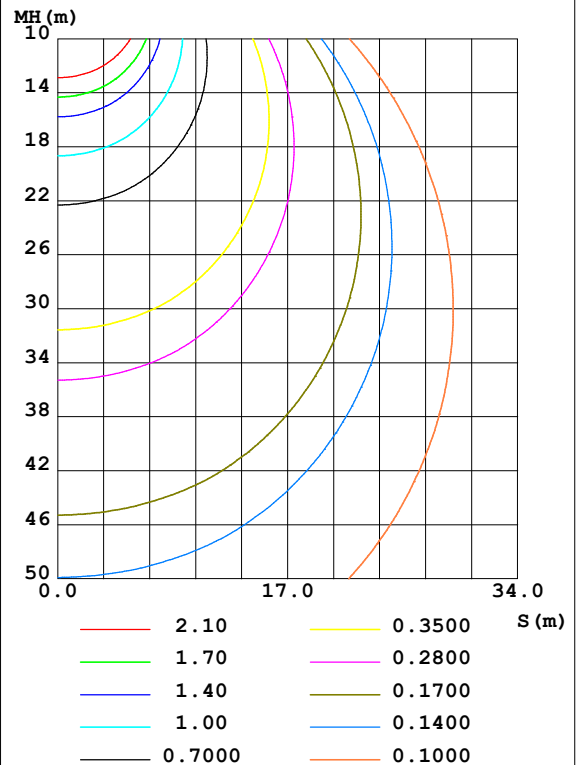
Test:U:120.5V I:0.2450A P:26.00W PF:0.8780 Freq:60.00Hz Lamp Flux:1178.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 45.33 lm/W			
MODEL		I _{max} (cd)	349.4	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1178.5	η UP, DN (C0-180)	5.5, 46.1
NOMINAL FLUX (lm)	1178.54	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.0, 43.3
LAMPS INSIDE	1	η up (%)	10.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	89.5	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: 2024-03-27

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	345.0	345.9	346.3	346.5	345.9	345.8	345.5	345.7	0- 10	33.17	33.17	2.81,2.81
20	330.5	332.8	334.4	333.7	332.2	330.4	329.3	330.2	10- 20	96.21	129.4	11,11
30	302.3	305.8	307.7	306.2	303.7	300.5	299.0	300.7	20- 30	147.0	276.4	23.5,23.5
40	264.0	268.9	270.9	268.3	264.8	260.0	258.0	261.2	30- 40	178.4	454.7	38.6,38.6
50	217.2	222.4	224.1	221.0	215.2	209.2	207.7	211.8	40- 50	186.2	640.9	54.4,54.4
60	163.4	170.1	172.0	167.6	160.2	152.8	151.1	156.7	50- 60	169.4	810.3	68.8,68.8
70	105.2	113.0	115.7	109.9	102.1	93.42	90.88	97.90	60- 70	131.4	941.8	79.9,79.9
80	51.06	58.33	60.78	54.92	47.17	39.43	37.34	43.77	70- 80	79.69	1021	86.7,86.7
90	20.59	22.71	22.54	18.72	15.62	14.78	15.45	17.88	80- 90	33.09	1055	89.5,89.5
100	21.63	21.36	20.36	17.23	16.47	14.78	16.69	17.82	90-100	19.73	1074	91.2,91.2
110	20.92	20.72	19.98	17.18	16.83	15.79	17.45	18.45	100-110	19.17	1093	92.8,92.8
120	21.77	21.39	20.65	18.29	17.98	17.53	18.91	19.92	110-120	18.71	1112	94.4,94.4
130	22.45	22.35	21.43	19.64	19.21	19.19	20.13	21.32	120-130	18.01	1130	95.9,95.9
140	23.06	23.14	22.05	20.61	20.21	20.33	20.97	22.20	130-140	16.39	1147	97.3,97.3
150	23.23	23.11	21.93	20.77	20.81	20.67	21.28	22.14	140-150	13.62	1160	98.4,98.4
160	23.11	22.43	21.92	20.45	21.38	20.32	21.51	21.52	150-160	10.01	1170	99.3,99.3
170	23.88	23.38	23.32	22.40	23.65	22.62	22.94	22.73	160-170	6.089	1176	99.8,99.8
180	25.53	24.27	24.89	23.79	25.51	24.27	24.89	23.80	170-180	2.262	1179	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 548.48 lm

%lum = 46.5%

%lamp = 46.5%

Conical surface Flux(120deg): 810.31 lm

%lum = 68.8%

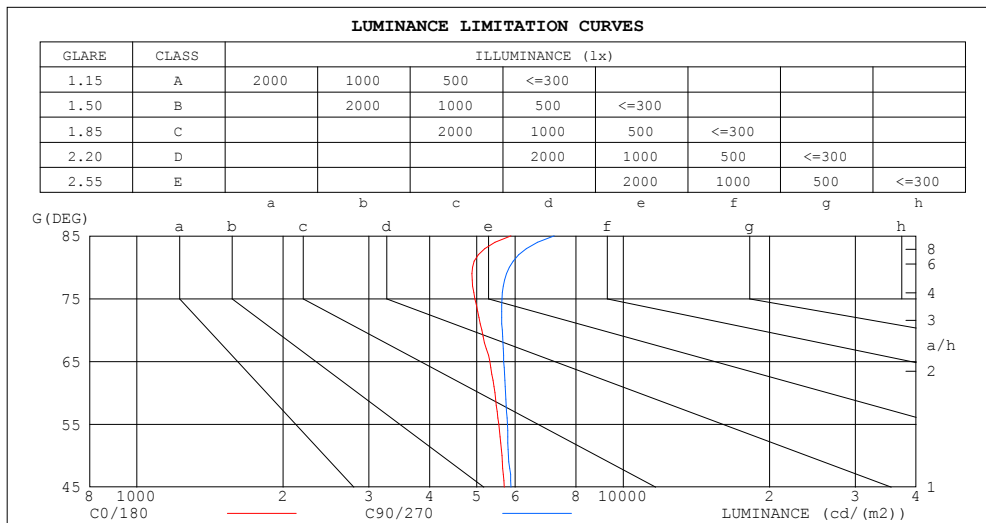
%lamp = 68.8%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-27

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:0.2450A P:26.00W PF:0.8780 Freq:60.00Hz Lamp Flux:1178.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5878	7209
80	4901	5834
75	4958	5632
70	5125	5640
65	5319	5682
60	5448	5732
55	5548	5780
50	5632	5811
45	5694	5877

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-27

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:0.2450A P:26.00W PF:0.8780 Freq:60.00Hz Lamp Flux:1178.54x1 lm					
NAME: DRF16-26DOB-95C-120D-WH 整灯 3000K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: 革星			SUR.:16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	.319	.181	.057	.309	.176	.056	.290	.166	.053	.272	.157	.050	.256	.148	.048		
2.0	.295	.161	.050	.285	.157	.048	.268	.149	.046	.252	.142	.044	.238	.134	.042		
3.0	.271	.144	.043	.262	.140	.042	.247	.134	.041	.232	.127	.039	.219	.121	.038		
4.0	.249	.129	.038	.241	.126	.037	.227	.121	.036	.214	.115	.035	.202	.110	.033		
5.0	.229	.117	.034	.223	.114	.033	.210	.109	.032	.198	.105	.031	.187	.100	.030		
6.0	.212	.106	.030	.206	.104	.030	.195	.100	.029	.184	.096	.028	.174	.092	.027		
7.0	.197	.098	.028	.192	.096	.027	.181	.092	.026	.172	.088	.026	.162	.084	.025		
8.0	.184	.090	.025	.179	.088	.025	.170	.085	.024	.161	.081	.023	.152	.078	.023		
9.0	.172	.083	.023	.168	.082	.023	.159	.079	.022	.151	.076	.022	.143	.073	.021		
10.0	.162	.078	.022	.158	.076	.021	.150	.073	.021	.142	.071	.020	.135	.068	.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	.271	.271	.271	.231	.231	.231	.158	.158	.158	.091	.091	.091	.029	.029	.029	
1.0	.262	.237	.214	.224	.203	.185	.153	.140	.128	.088	.081	.074	.028	.026	.024	
2.0	.254	.213	.179	.218	.184	.155	.149	.127	.108	.086	.074	.063	.028	.024	.021	
3.0	.246	.196	.156	.211	.169	.135	.145	.118	.095	.084	.069	.056	.027	.022	.018	
4.0	.239	.183	.141	.205	.158	.122	.141	.110	.086	.082	.065	.051	.026	.021	.017	
5.0	.232	.173	.130	.199	.150	.113	.137	.105	.080	.079	.061	.047	.026	.020	.016	
6.0	.224	.165	.122	.193	.143	.106	.133	.100	.075	.077	.059	.045	.025	.019	.015	
7.0	.218	.158	.116	.187	.137	.101	.129	.096	.072	.075	.057	.043	.024	.019	.014	
8.0	.211	.152	.112	.182	.132	.098	.126	.093	.069	.073	.055	.041	.024	.018	.014	
9.0	.205	.148	.109	.177	.128	.095	.123	.090	.067	.071	.053	.040	.023	.017	.013	
10.0	.200	.143	.106	.172	.125	.092	.119	.088	.066	.070	.052	.039	.023	.017	.013	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-03-27

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:0.2450A P:26.00W PF:0.8780 Freq:60.00Hz Lamp Flux:1178.54x1 lm											
NAME: DRF16-26DOB-95C-120D-WH 整灯 3000K						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: 革星						SUR.:16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		17.8	19.2	18.2	19.5	20.0	18.0	19.4	18.4	19.8	20.2
	3H	19.4	20.6	19.8	21.1	21.5	19.7	21.0	20.1	21.4	21.8
	4H	20.0	21.3	20.5	21.7	22.2	20.4	21.6	20.9	22.1	22.5
	6H	20.6	21.7	21.1	22.2	22.7	21.1	22.2	21.6	22.7	23.2
	8H	20.8	21.9	21.3	22.4	22.9	21.4	22.5	21.9	22.9	23.4
	12H	21.0	22.1	21.5	22.5	23.1	21.6	22.7	22.1	23.2	23.7
4H	2H	18.4	19.6	18.9	20.1	20.5	18.6	19.8	19.1	20.2	20.7
	3H	20.2	21.3	20.7	21.7	22.3	20.5	21.5	21.0	22.0	22.5
	4H	21.0	22.0	21.6	22.5	23.0	21.4	22.3	21.9	22.8	23.4
	6H	21.7	22.6	22.3	23.1	23.7	22.2	23.0	22.7	23.6	24.1
	8H	22.0	22.8	22.6	23.3	23.9	22.5	23.3	23.1	23.9	24.5
	12H	22.3	23.0	22.9	23.6	24.2	22.9	23.6	23.4	24.2	24.8
8H	4H	21.4	22.2	21.9	22.7	23.3	21.7	22.5	22.2	23.0	23.6
	6H	22.3	22.9	22.9	23.5	24.1	22.7	23.3	23.3	23.9	24.5
	8H	22.7	23.3	23.3	23.9	24.5	23.1	23.7	23.8	24.3	25.0
	12H	23.1	23.6	23.7	24.2	24.9	23.6	24.1	24.3	24.8	25.5
12H	4H	21.4	22.1	22.0	22.7	23.3	21.7	22.4	22.3	23.0	23.6
	6H	22.4	23.0	23.0	23.6	24.2	22.8	23.3	23.4	23.9	24.6
	8H	22.9	23.4	23.5	24.0	24.7	23.3	23.8	23.9	24.4	25.1
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, 1179 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.6$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-03-27

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:0.2450A P:26.00W PF:0.8780 Freq:60.00Hz Lamp Flux:1178.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

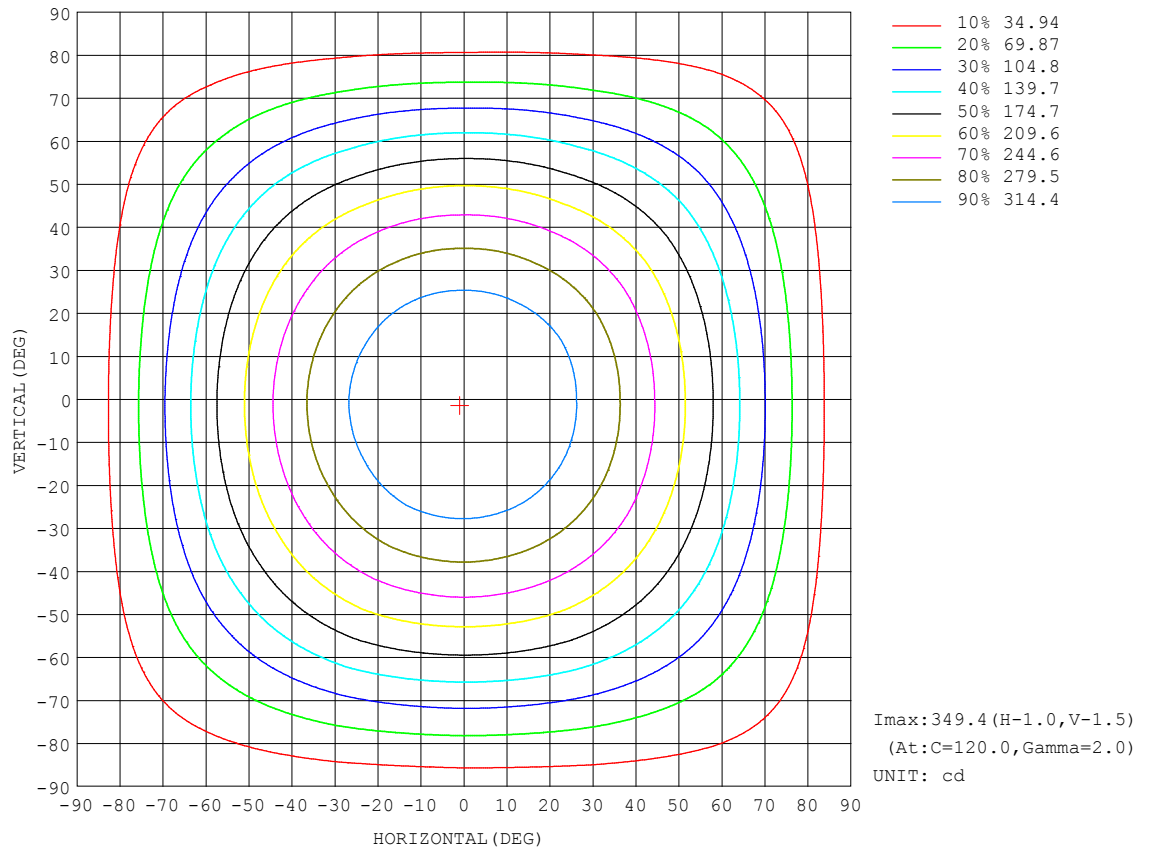
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	51	41	34	28
0.80	64	52	44	62	51	44	60	50	43	36
1.00	72	60	53	70	59	52	67	60	51	43
1.25	79	68	60	77	67	60	73	64	58	50
1.50	84	73	66	82	72	65	77	69	63	54
2.00	91	82	75	88	80	73	83	76	71	61
2.50	95	87	80	92	84	79	87	81	76	65
3.00	98	91	85	95	89	83	90	84	80	69
4.00	103	96	91	99	94	89	93	89	85	73
5.00	105	100	95	102	97	93	95	92	88	76
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:2024-03-27

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:0.2450A P:26.00W PF:0.8780 Freq:60.00Hz Lamp Flux:1178.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

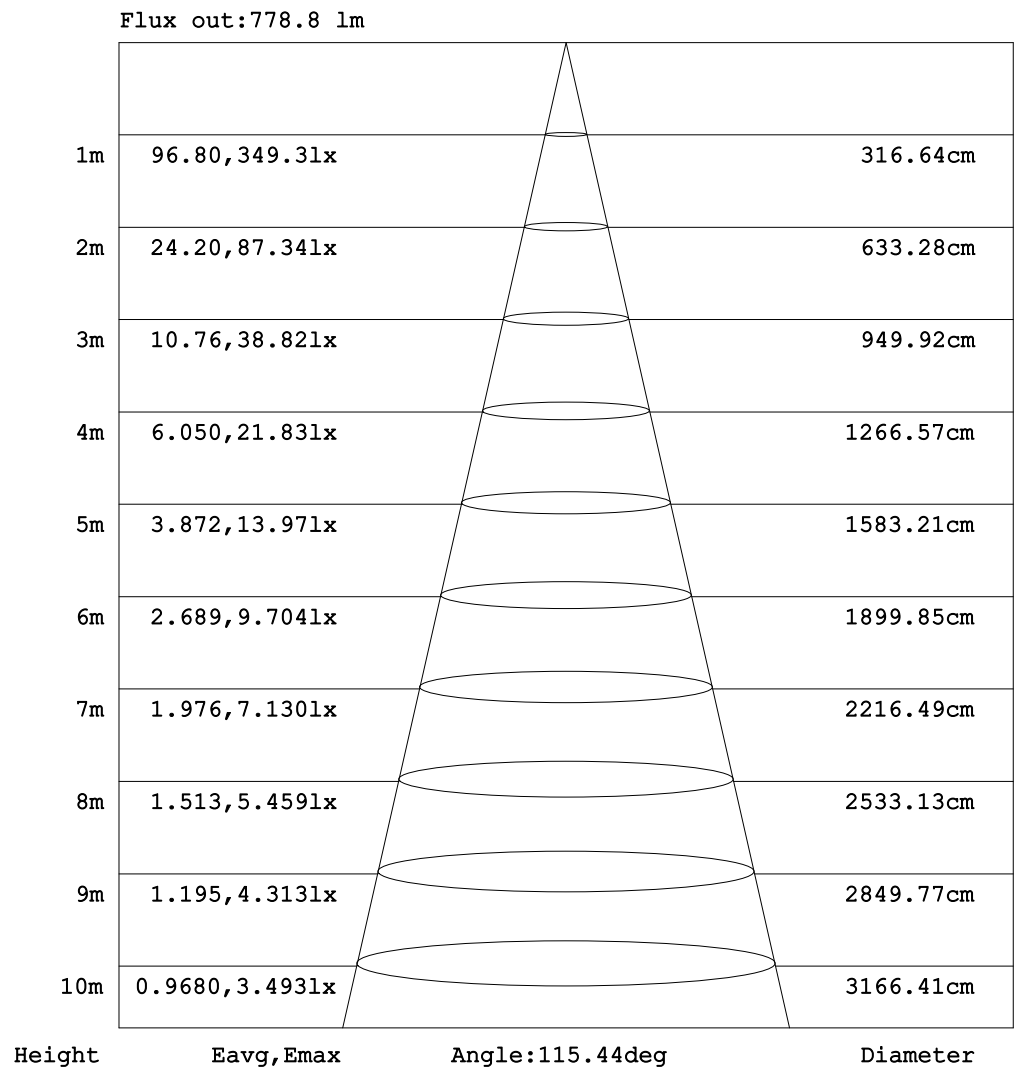


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-27

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:0.2450A P:26.00W PF:0.8780 Freq:60.00Hz Lamp Flux:1178.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

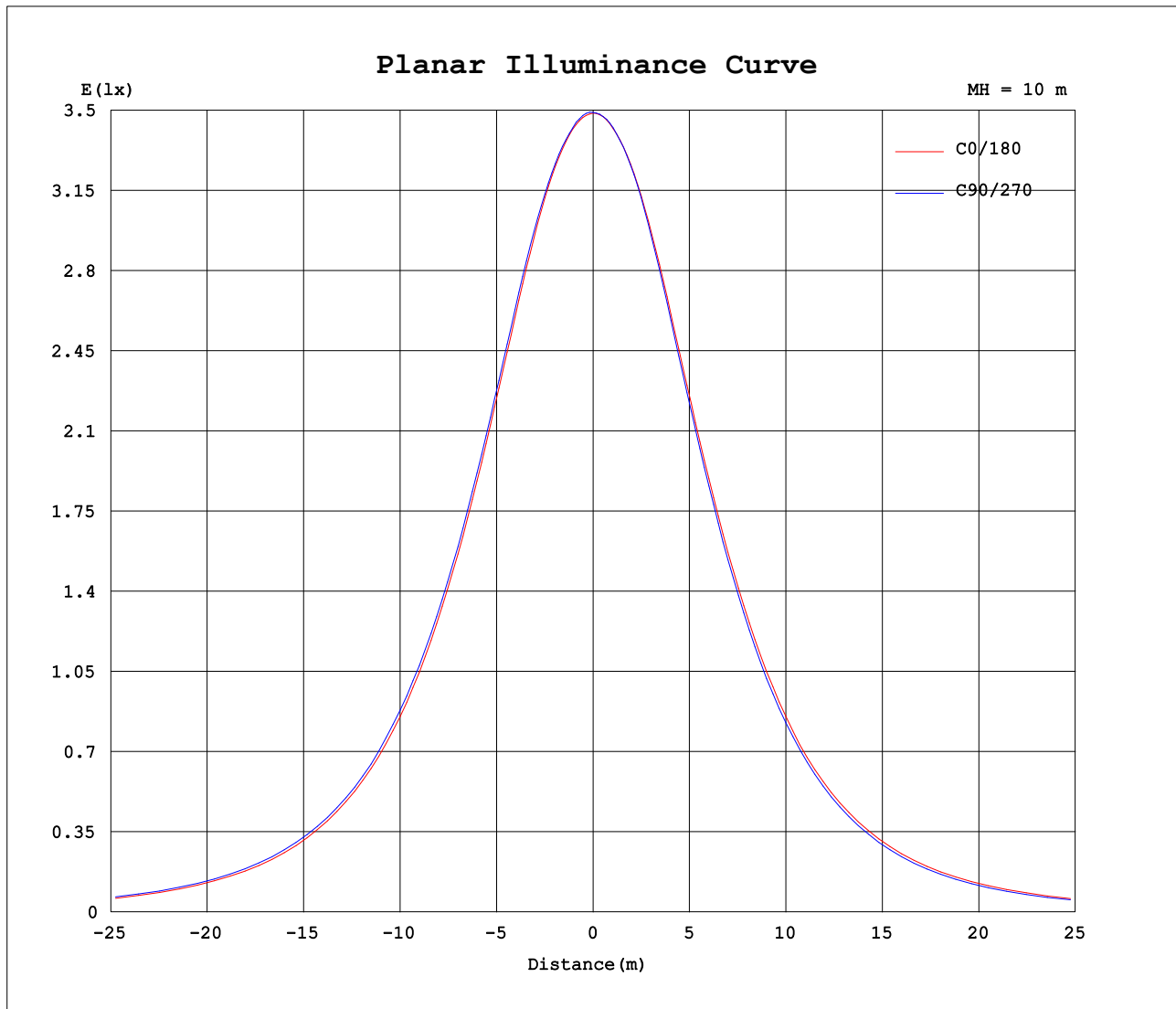


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-27

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: 2024-03-27

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:0.2450A P:26.00W PF:0.8780 Freq:60.00Hz Lamp Flux:1178.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	349	349	349	349	349	349	349	349	349	349	349	349							
5	348	348	348	349	349	348	348	348	348	348	348	348							
10	345	346	346	346	347	346	346	346	346	346	346	346							
15	340	341	342	342	342	342	341	341	340	340	340	341							
20	331	332	334	334	334	333	332	331	330	329	329	331							
25	318	320	322	322	323	320	319	317	316	315	316	318							
30	302	305	307	308	308	305	304	301	300	299	299	302							
35	284	287	289	290	290	287	286	282	280	280	281	284							
40	264	268	270	271	270	266	265	261	259	258	259	263							
45	242	246	248	249	248	244	242	237	234	234	235	240							
50	217	220	225	224	224	218	215	211	207	208	208	215							
55	191	195	199	199	199	192	188	184	180	180	181	189							
60	163	168	172	172	171	164	160	155	151	151	153	161							
65	135	140	144	144	143	135	131	125	121	121	124	132							
70	105	111	115	116	113	106	102	95.1	91.7	90.9	94.2	102							
75	77.0	83.0	86.7	87.5	85.0	78.0	73.6	66.6	63.2	62.5	65.9	73.2							
80	51.1	56.6	60.0	60.8	58.1	51.7	47.2	40.9	38.0	37.3	40.5	47.1							
85	30.7	35.0	37.4	37.7	35.1	29.9	26.2	21.7	19.8	19.9	22.5	27.2							
90	20.6	22.4	23.0	22.5	20.1	17.3	15.6	14.8	14.8	15.5	17.2	18.6							
95	21.1	21.7	20.9	19.8	17.7	17.0	16.0	15.2	15.1	16.1	17.6	18.8							
100	21.6	21.7	21.1	20.4	17.4	17.0	16.5	14.7	14.9	16.7	17.4	18.2							
105	21.5	21.1	20.4	20.5	17.1	16.7	16.6	14.9	15.3	17.0	17.5	18.3							
110	20.9	21.1	20.3	20.0	17.5	16.9	16.8	15.6	16.0	17.4	18.1	18.8							
115	21.4	21.4	20.6	20.3	17.9	17.4	17.4	16.4	16.8	18.2	18.9	19.4							
120	21.8	21.8	21.0	20.7	18.6	18.0	18.0	17.3	17.8	18.9	19.7	20.1							
125	22.1	22.2	21.5	21.0	19.3	18.7	18.6	18.2	18.7	19.6	20.5	20.8							
130	22.4	22.7	22.0	21.4	19.9	19.4	19.2	18.9	19.5	20.1	21.2	21.4							
135	22.7	23.2	22.4	21.8	20.5	19.9	19.7	19.4	20.3	20.6	21.7	22.1							
140	23.1	23.6	22.7	22.0	21.0	20.2	20.2	19.9	20.7	21.0	21.9	22.5							
145	23.3	23.7	22.7	22.0	21.1	20.4	20.5	20.2	20.9	21.1	22.0	22.5							
150	23.2	23.6	22.6	21.9	21.1	20.4	20.8	20.4	20.9	21.3	21.8	22.4							
155	23.2	23.4	22.4	22.0	21.0	20.4	21.2	20.4	20.8	21.5	21.7	22.2							
160	23.1	22.9	22.0	21.9	20.7	20.2	21.4	20.2	20.4	21.5	21.3	21.7							
165	22.9	22.3	21.4	21.8	20.3	19.9	21.5	20.1	20.1	21.3	20.9	21.2							
170	23.9	23.7	23.0	23.3	22.7	22.1	23.7	22.4	22.8	22.9	22.4	23.0							
175	25.0	24.8	23.6	24.4	24.0	23.1	24.9	23.7	24.0	24.2	23.1	24.0							
180	25.5	24.5	24.0	24.9	23.8	23.8	25.5	24.5	24.0	24.9	23.8	23.8							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-27

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: