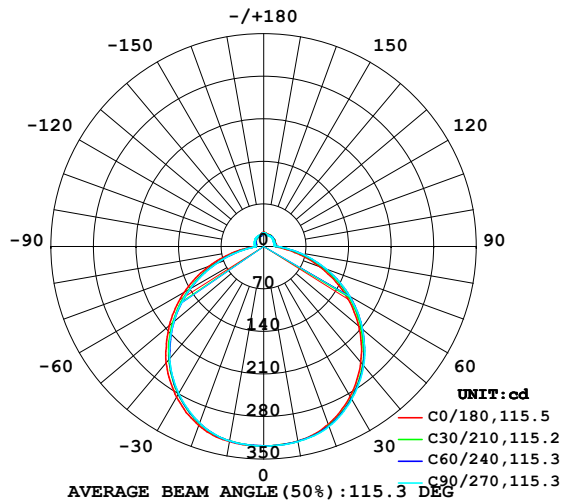


LUMINAIRE PHOTOMETRIC TEST REPORT

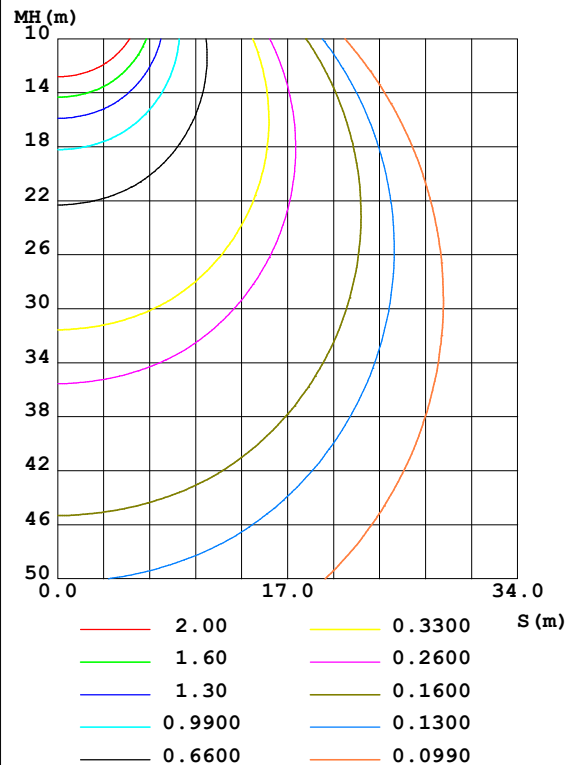
Test:U:120.5V I:0.2470A P:26.00W PF:0.8710 Freq:60.00Hz Lamp Flux:1103.77x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 42.45 lm/W			
MODEL		Imax(cd)	328.7	S/MH(C0/180)	1.29
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1103.8	η UP,DN(C0-180)	5.4,46.4
NOMINAL FLUX(lm)	1103.77	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	4.9,43.3
LAMPS INSIDE	1	η up(%)	10.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	89.7	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	325.0	325.4	326.0	325.3	325.9	324.9	324.7	325.0	0- 10	31.19	31.19	2.83,2.83
20	311.6	313.9	315.3	313.1	313.1	309.5	308.9	310.7	10- 20	90.47	121.7	11,11
30	284.7	288.7	290.3	287.0	286.4	280.8	279.7	283.2	20- 30	138.2	259.8	23.5,23.5
40	248.5	254.4	255.8	251.3	249.8	242.3	240.9	246.2	30- 40	167.6	427.5	38.7,38.7
50	204.3	210.8	212.0	206.5	202.8	194.3	193.5	199.9	40- 50	174.7	602.2	54.6,54.6
60	153.7	161.5	163.1	156.3	151.2	141.2	140.0	147.9	50- 60	159.1	761.2	69,69
70	98.75	107.7	109.8	102.0	96.20	85.27	83.40	92.53	60- 70	123.2	884.4	80.1,80.1
80	47.79	56.23	58.17	50.75	44.29	35.12	33.60	41.37	70- 80	74.56	959.0	86.9,86.9
90	18.95	21.22	21.19	17.38	14.45	13.94	14.43	16.14	80- 90	30.86	989.8	89.7,89.7
100	19.87	19.10	18.31	16.23	15.24	14.03	15.61	16.05	90-100	18.18	1008	91.3,91.3
110	19.22	18.47	17.86	16.11	15.57	14.95	16.30	16.65	100-110	17.60	1026	92.9,92.9
120	20.01	19.09	18.54	17.11	16.66	16.52	17.64	18.05	110-120	17.17	1043	94.5,94.5
130	20.61	20.01	19.25	18.32	17.76	18.02	18.75	19.40	120-130	16.53	1059	96,96
140	21.20	20.82	19.86	19.21	18.66	19.00	19.49	20.30	130-140	15.05	1074	97.3,97.3
150	21.37	20.88	19.84	19.32	19.23	19.24	19.75	20.30	140-150	12.53	1087	98.5,98.5
160	21.27	20.34	19.90	18.99	19.77	18.88	19.94	19.77	150-160	9.212	1096	99.3,99.3
170	22.00	21.32	21.31	20.71	21.86	20.83	21.15	20.88	160-170	5.604	1102	99.8,99.8
180	23.57	22.26	22.85	21.93	23.57	22.26	22.84	21.93	170-180	2.080	1104	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 515.43 lm

%lum = 46.7%

%lamp = 46.7%

Conical surface Flux(120deg): 761.23 lm

%lum = 69.0%

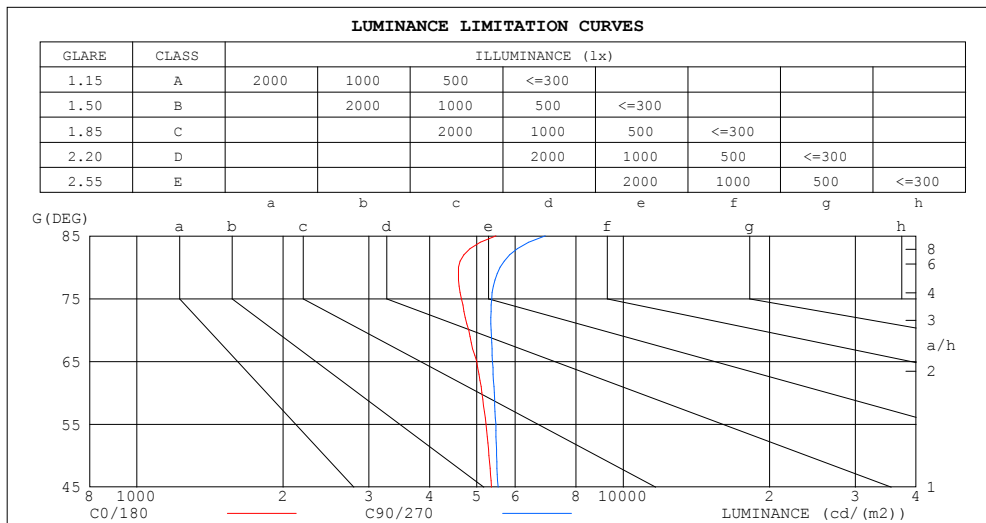
%lamp = 69.0%

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:0.2470A P:26.00W PF:0.8710 Freq:60.00Hz Lamp Flux:1103.77x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5472	6918
80	4587	5583
75	4646	5366
70	4812	5353
65	5000	5387
60	5122	5435
55	5222	5474
50	5297	5496
45	5358	5538

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:0.2470A P:26.00W PF:0.8710 Freq:60.00Hz Lamp Flux:1103.77x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 2700K	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	.289	.166	.053	.272	.157	.050	.256	.148	.048		
2.0	.295	.161	.050	.285	.157	.048	.268	.149	.046	.252	.142	.044	.238	.135	.042		
3.0	.270	.144	.043	.262	.140	.042	.247	.134	.041	.233	.127	.039	.219	.121	.038		
4.0	.249	.129	.038	.241	.126	.037	.227	.121	.036	.214	.115	.035	.202	.110	.034		
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	.163	.085	.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	.269	.269	.269	.230	.230	.230	.157	.157	.157	.090	.090	.090	.029	.029	.029	
1.0	.260	.235	.213	.223	.202	.183	.152	.139	.127	.088	.080	.074	.028	.026	.024	
2.0	.252	.212	.178	.216	.182	.153	.148	.126	.107	.085	.073	.063	.027	.024	.020	
3.0	.245	.195	.155	.210	.168	.134	.144	.117	.094	.083	.068	.055	.027	.022	.018	
4.0	.237	.182	.139	.204	.157	.121	.140	.109	.085	.081	.064	.050	.026	.021	.017	
5.0	.230	.171	.128	.198	.148	.112	.136	.104	.079	.079	.061	.047	.025	.020	.015	
6.0	.223	.163	.120	.192	.141	.105	.132	.099	.074	.077	.058	.044	.025	.019	.015	
7.0	.216	.157	.115	.186	.136	.100	.128	.095	.071	.075	.056	.042	.024	.018	.014	
8.0	.210	.151	.110	.181	.131	.096	.125	.092	.068	.073	.054	.041	.024	.018	.013	
9.0	.204	.146	.107	.176	.127	.093	.122	.089	.066	.071	.053	.040	.023	.017	.013	
10.0	.198	.142	.104	.171	.123	.091	.119	.087	.065	.069	.051	.039	.022	.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:0.2470A P:26.00W PF:0.8710 Freq:60.00Hz Lamp Flux:1103.77x1 lm											
NAME: DRF16-26DOB-95C-120D-WH 整灯 2700K						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		17.9	19.2	18.3	19.6	20.0	18.1	19.5	18.5	19.8	20.2
	3H	19.4	20.7	19.9	21.1	21.6	19.8	21.1	20.2	21.5	21.9
	4H	20.1	21.3	20.6	21.8	22.2	20.5	21.7	21.0	22.2	22.6
	6H	20.7	21.8	21.1	22.2	22.7	21.2	22.3	21.7	22.8	23.3
	8H	20.9	22.0	21.4	22.4	22.9	21.5	22.6	22.0	23.0	23.5
	12H	21.1	22.1	21.6	22.6	23.1	21.7	22.8	22.2	23.3	23.8
4H	2H	18.5	19.7	19.0	20.2	20.6	18.7	19.9	19.1	20.3	20.8
	3H	20.3	21.4	20.8	21.8	22.4	20.6	21.6	21.1	22.1	22.6
	4H	21.1	22.1	21.7	22.6	23.1	21.5	22.4	22.0	22.9	23.5
	6H	21.8	22.7	22.4	23.2	23.8	22.3	23.1	22.8	23.7	24.2
	8H	22.1	22.9	22.7	23.4	24.0	22.6	23.4	23.2	24.0	24.6
	12H	22.4	23.1	22.9	23.7	24.3	23.0	23.7	23.6	24.3	24.9
8H	4H	21.5	22.3	22.0	22.8	23.4	21.8	22.6	22.3	23.1	23.7
	6H	22.4	23.0	23.0	23.6	24.3	22.8	23.4	23.4	24.0	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	23.8	24.3	25.0	23.8	24.3	24.4	24.9	25.6
12H	4H	21.5	22.2	22.1	22.8	23.4	21.8	22.5	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	23.0	23.5	23.6	24.1	24.8	23.4	23.9	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, 1104 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.3$)

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:0.2470A P:26.00W PF:0.8710 Freq:60.00Hz Lamp Flux:1103.77x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

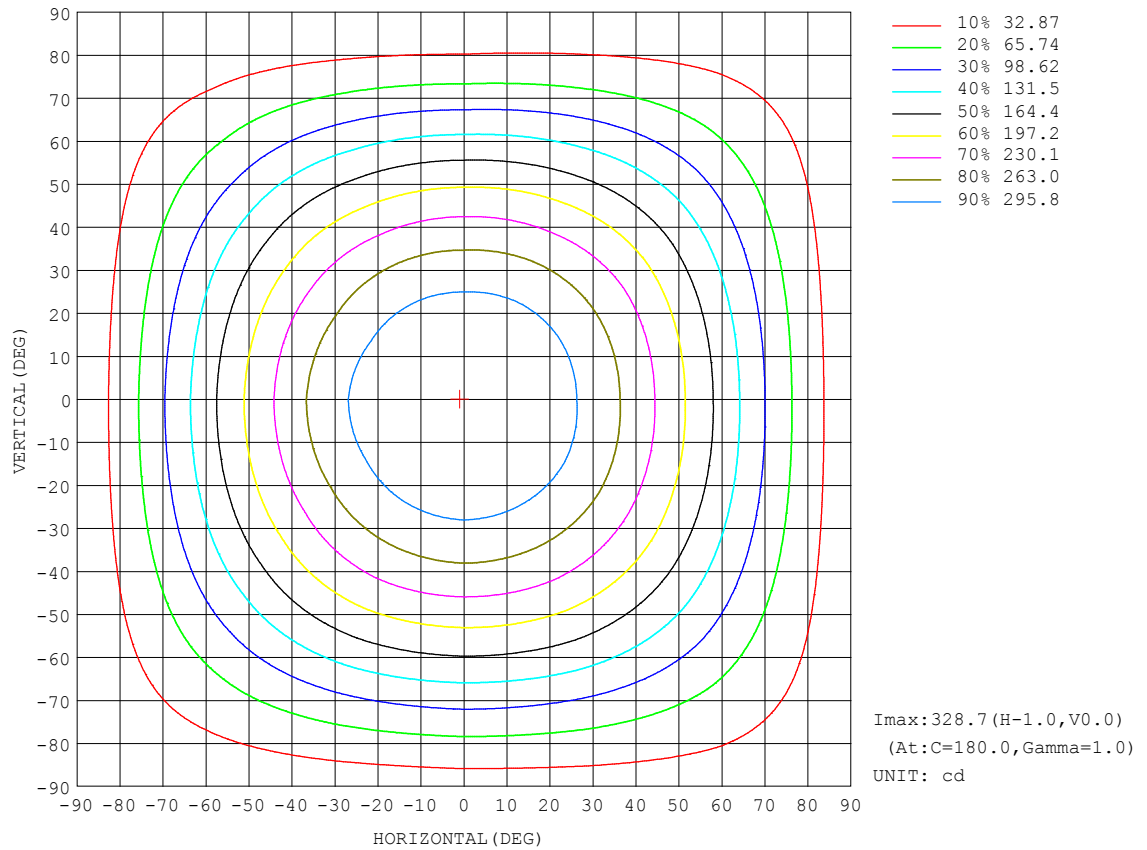
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	51	41	35	28
0.80	64	52	44	62	51	44	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	65	58	50
1.50	84	73	66	82	72	65	77	69	63	54
2.00	91	82	75	88	80	74	83	77	71	61
2.50	95	87	80	92	85	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:0.2470A P:26.00W PF:0.8710 Freq:60.00Hz Lamp Flux:1103.77x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

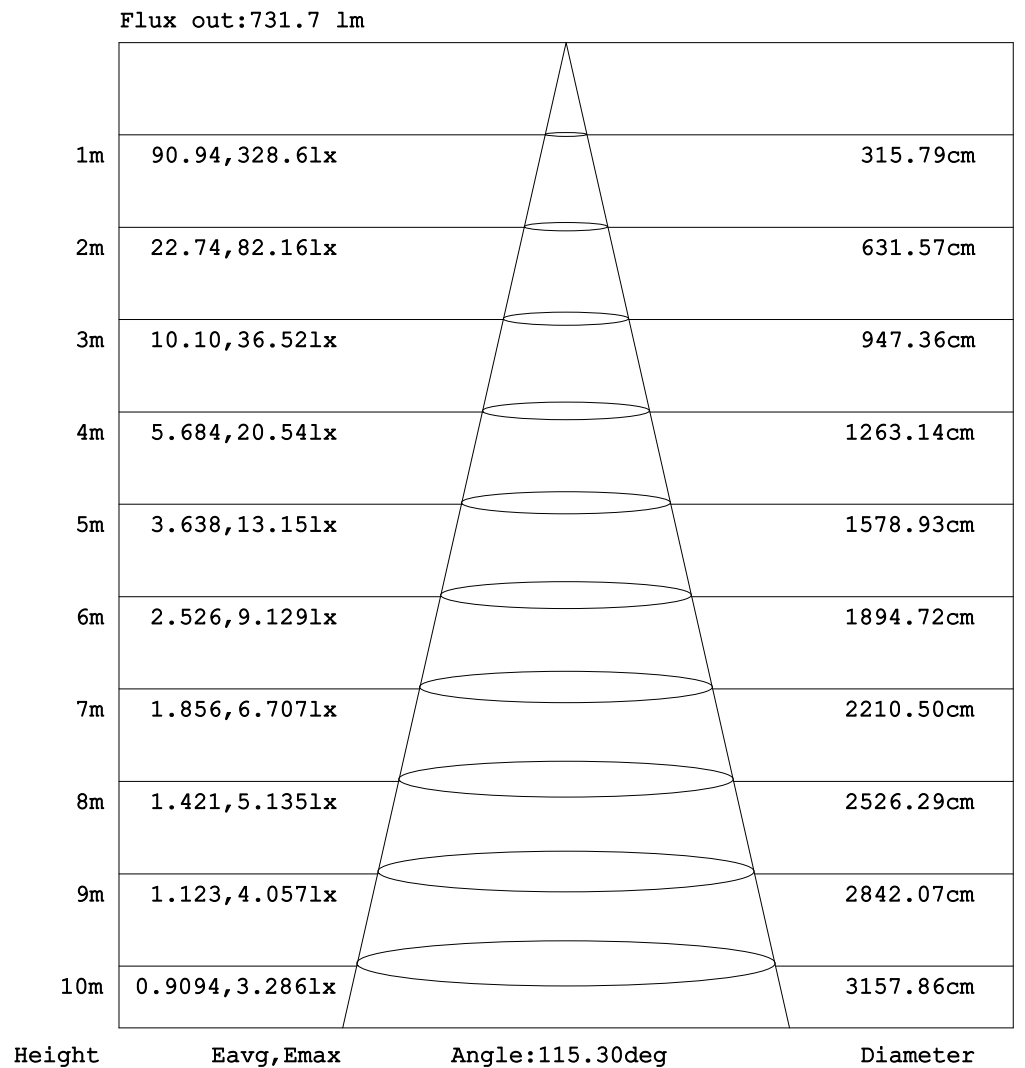


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-27

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:0.2470A P:26.00W PF:0.8710 Freq:60.00Hz Lamp Flux:1103.77x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

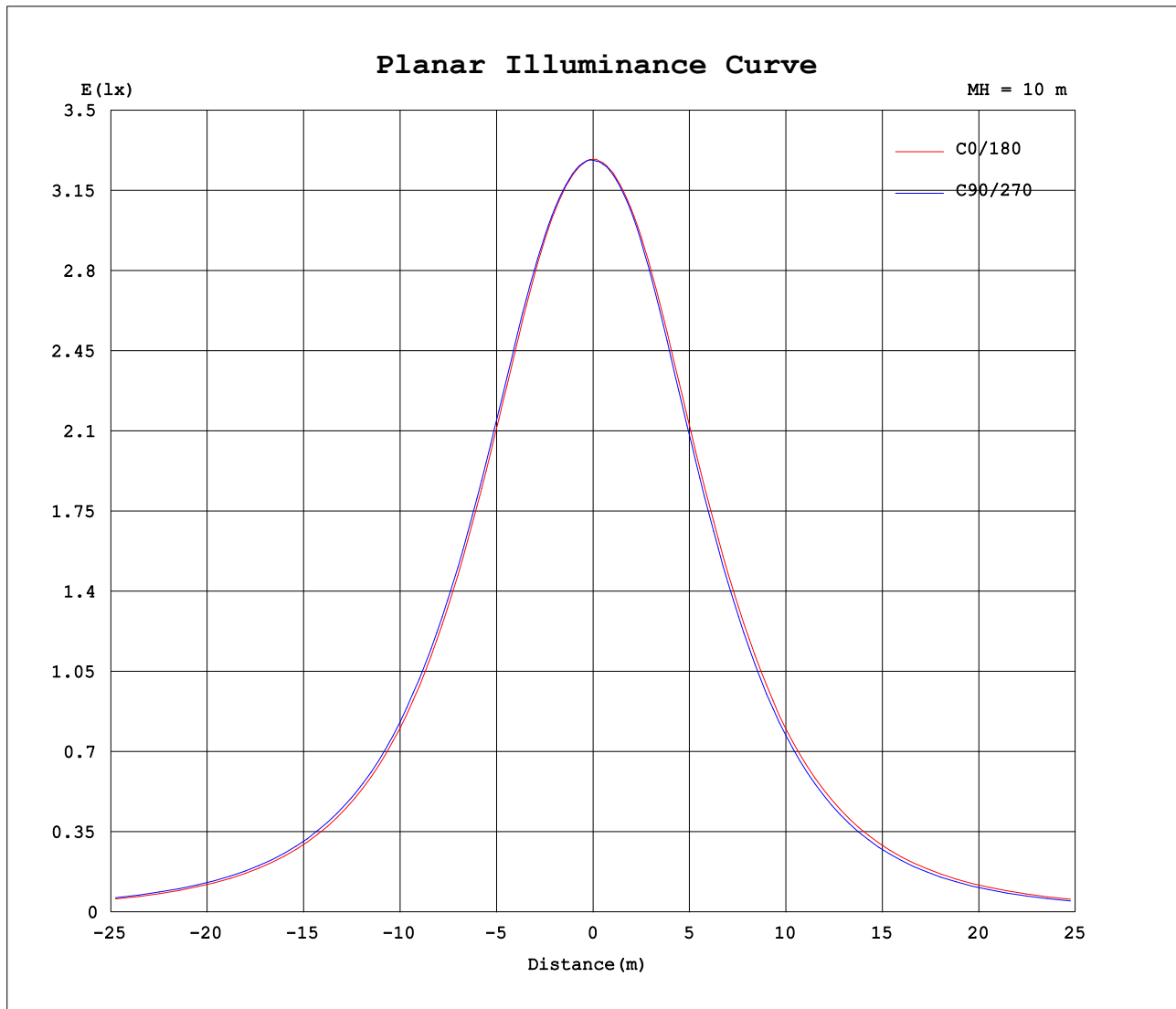


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2470A P:26.00W PF:0.8710 Freq:60.00Hz Lamp Flux:1103.77x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 2700K	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	329	328	328	328	328	328	329	328	328	328	328	328							
5	327	327	328	328	328	327	328	327	327	327	327	327							
10	325	325	325	326	326	325	326	325	325	325	325	325							
15	320	321	322	322	321	321	322	319	319	319	320	320							
20	312	314	314	315	314	312	313	310	309	309	310	311							
25	300	302	303	304	302	300	301	297	296	296	298	299							
30	285	288	289	290	288	286	286	281	280	280	282	284							
35	268	272	273	274	272	269	269	263	262	262	265	267							
40	249	254	255	256	253	250	250	243	242	241	245	248							
45	227	232	235	235	232	227	226	220	217	218	221	226							
50	204	209	212	212	209	204	203	196	193	193	197	203							
55	180	185	189	188	185	179	178	170	167	167	171	178							
60	154	160	163	163	160	153	151	143	140	140	144	151							
65	127	134	137	137	133	126	124	114	112	111	117	124							
70	98.8	106	109	110	105	98.8	96.2	86.5	84.1	83.4	89.4	95.7							
75	72.2	79.8	82.6	83.3	78.6	72.3	69.2	59.9	57.6	56.8	62.4	68.9							
80	47.8	54.9	57.6	58.2	53.7	47.8	44.3	36.2	34.1	33.6	38.5	44.2							
85	28.6	33.9	35.9	36.2	32.4	27.5	24.4	19.1	17.8	17.8	20.9	25.3							
90	19.0	20.8	21.6	21.2	18.7	16.0	14.4	14.0	13.9	14.4	15.4	16.9							
95	19.4	19.3	19.0	17.9	16.9	15.9	14.8	14.4	14.2	15.0	15.8	17.1							
100	19.9	19.2	19.0	18.3	16.6	15.9	15.2	14.0	14.1	15.6	15.6	16.5							
105	19.8	18.6	18.4	18.3	16.2	15.6	15.4	14.2	14.5	15.9	15.8	16.5							
110	19.2	18.7	18.3	17.9	16.5	15.8	15.6	14.8	15.1	16.3	16.3	17.0							
115	19.6	19.0	18.5	18.2	16.9	16.2	16.1	15.5	15.9	17.0	17.1	17.6							
120	20.0	19.3	18.8	18.5	17.5	16.7	16.7	16.3	16.7	17.6	17.8	18.3							
125	20.3	19.8	19.3	18.9	18.1	17.4	17.2	17.2	17.6	18.3	18.6	19.0							
130	20.6	20.2	19.8	19.3	18.7	18.0	17.8	17.8	18.3	18.8	19.2	19.6							
135	20.9	20.7	20.2	19.6	19.2	18.5	18.2	18.2	18.9	19.2	19.7	20.2							
140	21.2	21.1	20.5	19.9	19.6	18.8	18.7	18.7	19.3	19.5	20.0	20.6							
145	21.4	21.3	20.6	19.9	19.7	18.9	19.0	18.9	19.5	19.6	20.1	20.7							
150	21.4	21.3	20.5	19.8	19.7	19.0	19.2	19.0	19.5	19.8	20.0	20.6							
155	21.3	21.1	20.3	19.9	19.6	18.9	19.6	19.0	19.3	19.9	19.9	20.4							
160	21.3	20.7	20.0	19.9	19.3	18.7	19.8	18.8	19.0	19.9	19.5	20.0							
165	21.1	20.2	19.5	19.8	18.9	18.4	19.9	18.7	18.6	19.7	19.2	19.5							
170	22.0	21.6	21.1	21.3	21.0	20.4	21.9	20.6	21.1	21.1	20.6	21.1							
175	23.0	22.7	21.7	22.3	22.2	21.3	23.0	21.7	22.0	22.3	21.3	22.1							
180	23.6	22.4	22.1	22.8	21.9	21.9	23.6	22.4	22.1	22.8	22.0	21.9							

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: