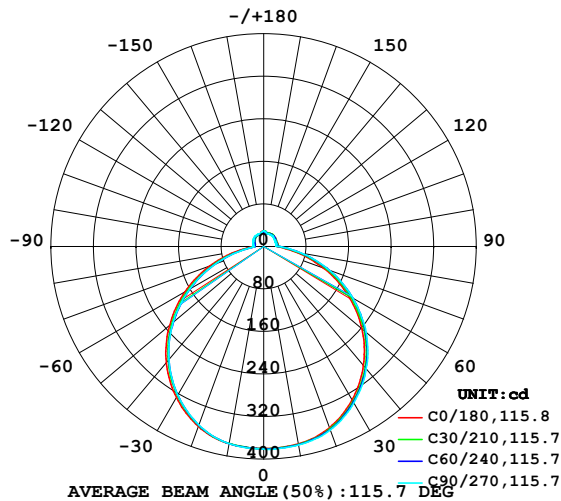


LUMINAIRE PHOTOMETRIC TEST REPORT

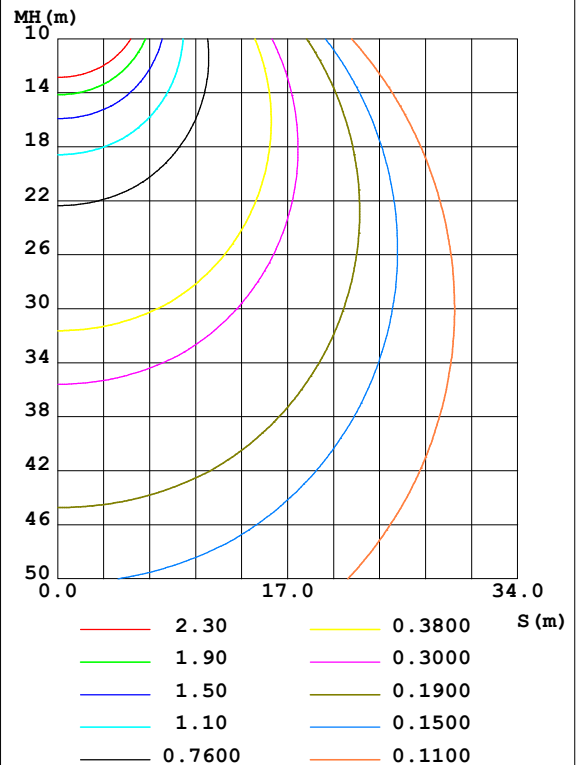
Test:U:120.5V I:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.33x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 50.48 lm/W			
MODEL		I _{max} (cd)	381.6	S/MH (C0/180)	1.28
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1307.3	η UP, DN (C0-180)	5.9, 46.3
NOMINAL FLUX (lm)	1307.33	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.5, 42.3
LAMPS INSIDE	1	η up (%)	11.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	88.6	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	377.0	377.9	379.0	378.4	376.3	376.3	376.5	377.5	0- 10	36.19	36.19	2.77,2.77
20	362.6	365.4	367.3	364.8	360.2	357.8	357.1	360.6	10- 20	105.0	141.2	10.8,10.8
30	333.1	337.0	339.6	335.0	328.1	323.9	323.1	328.7	20- 30	160.4	301.6	23.1,23.1
40	291.8	297.9	300.3	293.9	285.4	278.8	277.5	285.8	30- 40	194.8	496.4	38,38
50	241.3	248.8	251.7	243.3	230.8	223.6	222.6	232.0	40- 50	203.7	700.0	53.5,53.5
60	183.3	191.0	193.4	184.6	171.0	162.5	161.1	172.2	50- 60	185.6	885.6	67.7,67.7
70	120.3	129.4	131.9	122.3	108.4	98.39	96.18	108.5	60- 70	144.6	1030	78.8,78.8
80	60.56	69.01	71.43	62.05	49.77	41.32	39.76	50.05	70- 80	88.72	1119	85.6,85.6
90	25.25	28.08	27.63	23.03	19.44	18.31	19.58	22.34	80- 90	38.74	1158	88.6,88.6
100	25.94	25.45	23.79	21.51	20.62	18.37	21.15	22.20	90-100	24.26	1182	90.4,90.4
110	24.98	24.50	23.16	21.28	20.72	19.46	21.77	22.77	100-110	23.40	1205	92.2,92.2
120	25.93	25.26	24.12	22.47	21.98	21.40	23.33	24.33	110-120	22.68	1228	93.9,93.9
130	26.57	26.38	24.99	23.93	23.30	23.23	24.67	25.82	120-130	21.71	1250	95.6,95.6
140	27.20	27.29	25.67	24.90	24.30	24.42	25.42	26.69	130-140	19.64	1269	97.1,97.1
150	27.34	27.24	25.53	24.90	24.78	24.63	25.58	26.43	140-150	16.23	1286	98.3,98.3
160	27.10	26.38	25.53	24.34	25.21	24.04	25.67	25.52	150-160	11.86	1297	99.2,99.2
170	27.94	27.43	27.24	26.52	27.74	26.59	27.14	26.85	160-170	7.179	1305	99.8,99.8
180	29.91	28.49	29.26	28.11	29.89	28.48	29.25	28.10	170-180	2.661	1307	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 598.8 lm

%lum = 45.8%

%lamp = 45.8%

Conical surface Flux(120deg): 885.63 lm

%lum = 67.7%

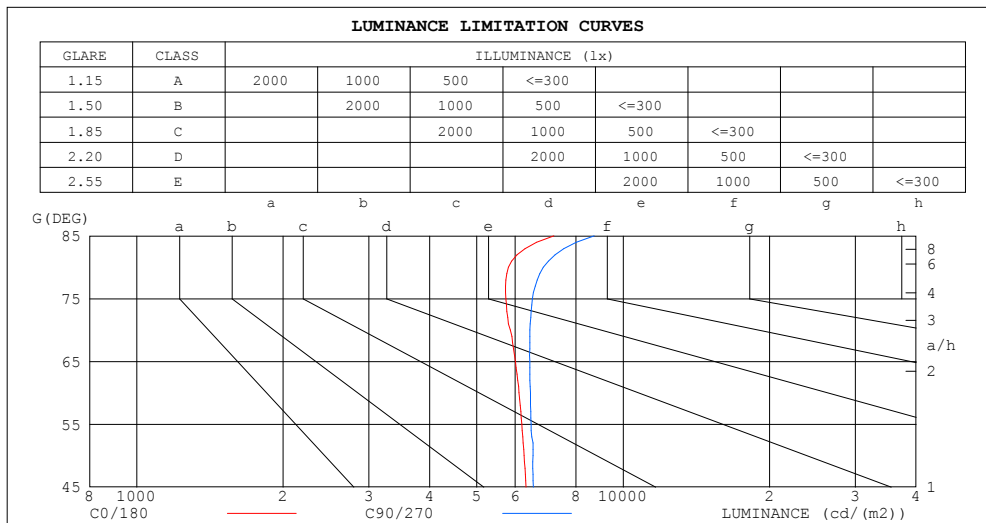
%lamp = 67.7%

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:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.33x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7203	8713
80	5813	6856
75	5738	6503
70	5862	6428
65	6005	6427
60	6110	6447
55	6194	6466
50	6256	6527
45	6309	6534

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:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.33x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 4000K	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	.321	.183	.058	.310	.177	.056	.291	.167	.053	.272	.157	.050	.256	.148	.048		
2.0	.296	.162	.050	.286	.158	.049	.268	.149	.046	.252	.141	.044	.237	.134	.042		
3.0	.271	.144	.043	.262	.141	.042	.247	.134	.041	.232	.127	.039	.218	.121	.037		
4.0	.249	.129	.038	.241	.126	.037	.227	.120	.036	.213	.115	.035	.201	.109	.033		
5.0	.229	.117	.034	.222	.114	.033	.209	.109	.032	.197	.104	.031	.186	.099	.030		
6.0	.212	.106	.030	.206	.104	.030	.194	.100	.029	.183	.095	.028	.173	.091	.027		
7.0	.197	.098	.028	.192	.095	.027	.181	.091	.026	.171	.088	.025	.161	.084	.025		
8.0	.184	.090	.025	.179	.088	.025	.169	.084	.024	.160	.081	.023	.151	.078	.023		
9.0	.172	.083	.023	.168	.082	.023	.159	.078	.022	.150	.075	.022	.142	.072	.021		
10.0	.162	.078	.022	.158	.076	.021	.149	.073	.021	.141	.070	.020	.134	.067	.019		

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	.278	.278	.278	.237	.237	.237	.162	.162	.162	.093	.093	.093	.030	.030	.030		
1.0	.269	.244	.221	.230	.209	.191	.157	.144	.132	.091	.083	.077	.029	.027	.025		
2.0	.261	.220	.186	.224	.190	.161	.153	.131	.112	.088	.076	.066	.028	.025	.021		
3.0	.254	.203	.163	.217	.175	.141	.149	.122	.099	.086	.071	.058	.028	.023	.019		
4.0	.246	.190	.148	.211	.164	.128	.145	.115	.090	.084	.067	.053	.027	.022	.018		
5.0	.239	.180	.137	.205	.156	.119	.141	.109	.084	.082	.064	.050	.026	.021	.016		
6.0	.232	.172	.129	.199	.149	.113	.137	.104	.080	.080	.061	.047	.026	.020	.016		
7.0	.225	.165	.124	.194	.143	.108	.134	.101	.076	.078	.059	.045	.025	.019	.015		
8.0	.219	.160	.119	.188	.139	.104	.130	.097	.074	.076	.057	.044	.025	.019	.015		
9.0	.213	.155	.116	.183	.134	.101	.127	.094	.072	.074	.056	.043	.024	.018	.014		
10.0	.207	.151	.113	.178	.131	.099	.124	.092	.070	.072	.054	.042	.023	.018	.014		

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:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.33x1 lm											
NAME: DRF16-26DOB-95C-120D-WH 整灯 4000K						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	19.6	20.0	18.0	19.4	18.5	19.8	20.2	
	3H	19.5	20.7	19.9	21.2	21.6	19.8	21.0	20.2	21.5	21.9
	4H	20.2	21.4	20.6	21.8	22.3	20.6	21.8	21.0	22.2	22.7
	6H	20.8	21.9	21.3	22.4	22.9	21.3	22.4	21.7	22.8	23.4
	8H	21.0	22.1	21.5	22.6	23.1	21.6	22.6	22.1	23.1	23.6
	12H	21.2	22.3	21.8	22.8	23.3	21.9	22.9	22.4	23.4	23.9
4H	2H	18.5	19.7	19.0	20.1	20.6	18.7	19.8	19.1	20.3	20.8
	3H	20.3	21.4	20.8	21.9	22.4	20.6	21.6	21.1	22.1	22.7
	4H	21.2	22.1	21.7	22.6	23.2	21.5	22.5	22.1	23.0	23.6
	6H	21.9	22.8	22.5	23.3	23.9	22.4	23.2	22.9	23.7	24.4
	8H	22.2	23.0	22.8	23.6	24.2	22.7	23.5	23.3	24.1	24.7
	12H	22.5	23.3	23.1	23.8	24.5	23.1	23.8	23.7	24.4	25.1
8H	4H	21.5	22.3	22.1	22.9	23.5	21.8	22.6	22.4	23.2	23.8
	6H	22.5	23.1	23.1	23.7	24.4	22.9	23.5	23.5	24.1	24.8
	8H	22.9	23.5	23.6	24.1	24.8	23.4	24.0	24.0	24.6	25.3
	12H	23.4	23.9	24.0	24.5	25.2	23.9	24.4	24.6	25.1	25.8
12H	4H	21.6	22.3	22.2	22.9	23.5	21.9	22.6	22.4	23.1	23.8
	6H	22.6	23.2	23.2	23.8	24.5	23.0	23.5	23.6	24.2	24.8
	8H	23.1	23.6	23.8	24.3	25.0	23.6	24.1	24.2	24.7	25.4
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, 1307 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.9$)

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:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.33x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

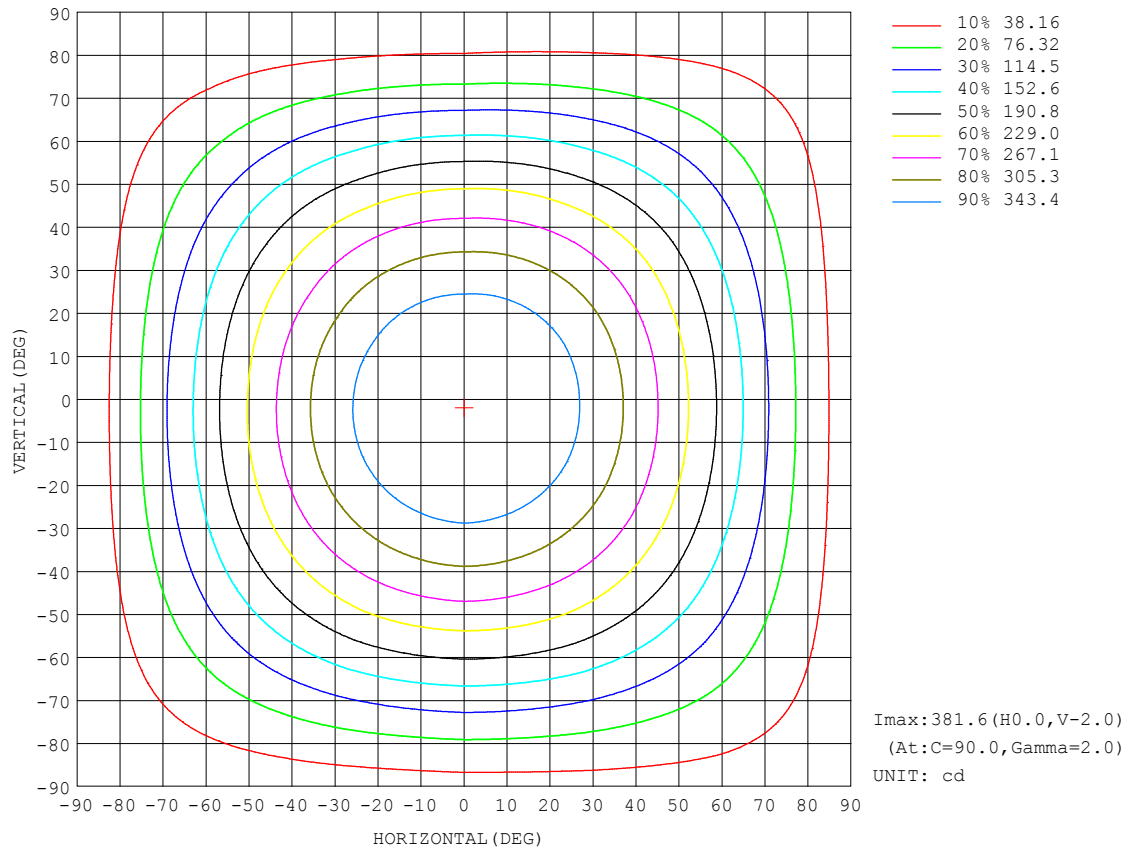
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	42	35	52	41	34	51	40	34	27
0.80	63	51	44	62	50	43	59	49	43	35
1.00	71	60	52	70	59	52	66	59	51	42
1.25	78	67	60	76	66	59	72	64	57	49
1.50	83	73	65	81	71	65	77	69	63	53
2.00	90	81	74	88	79	73	83	76	70	60
2.50	94	86	79	92	84	78	86	80	75	64
3.00	98	90	84	95	88	83	89	84	79	68
4.00	102	96	91	99	93	88	93	88	84	72
5.00	105	99	95	101	96	92	95	91	88	75
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:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.33x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

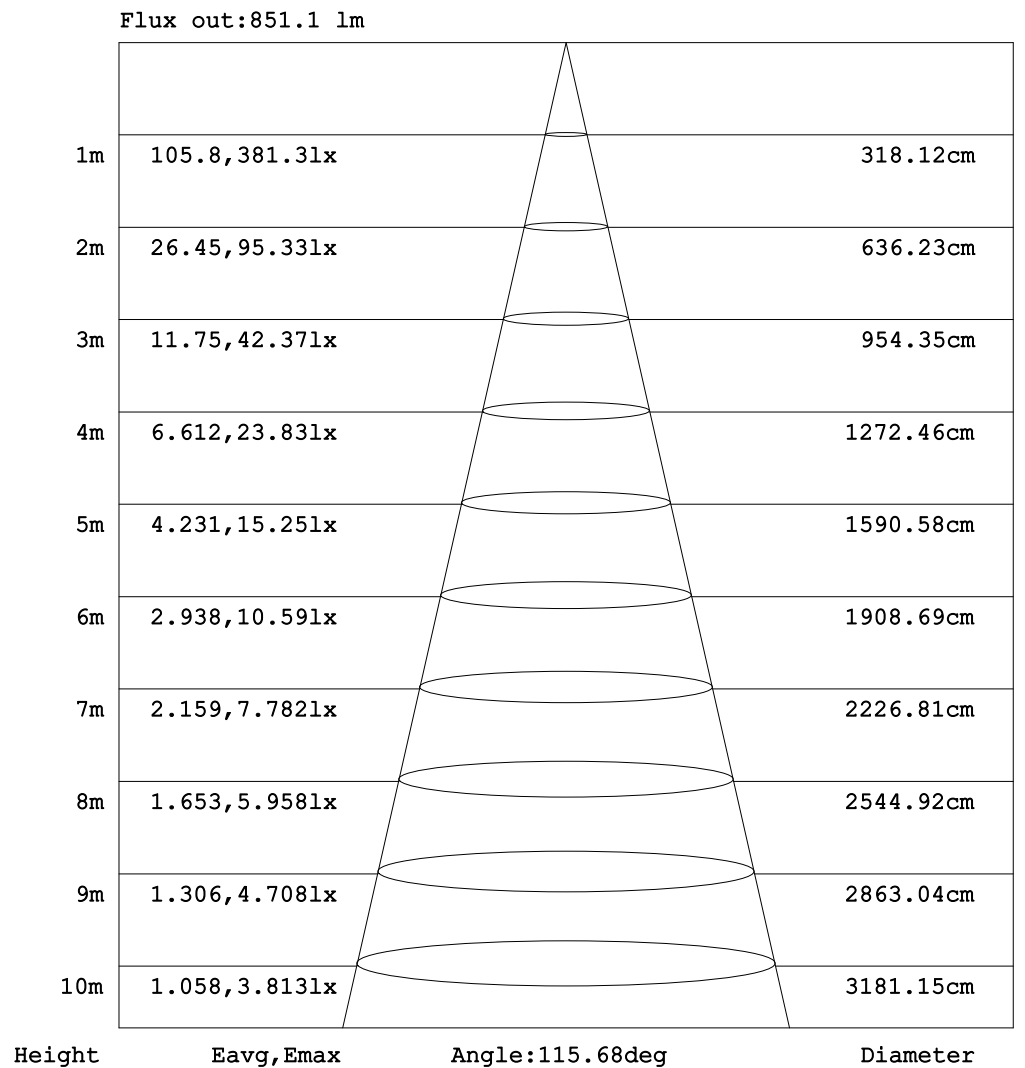


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-27

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:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.33x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

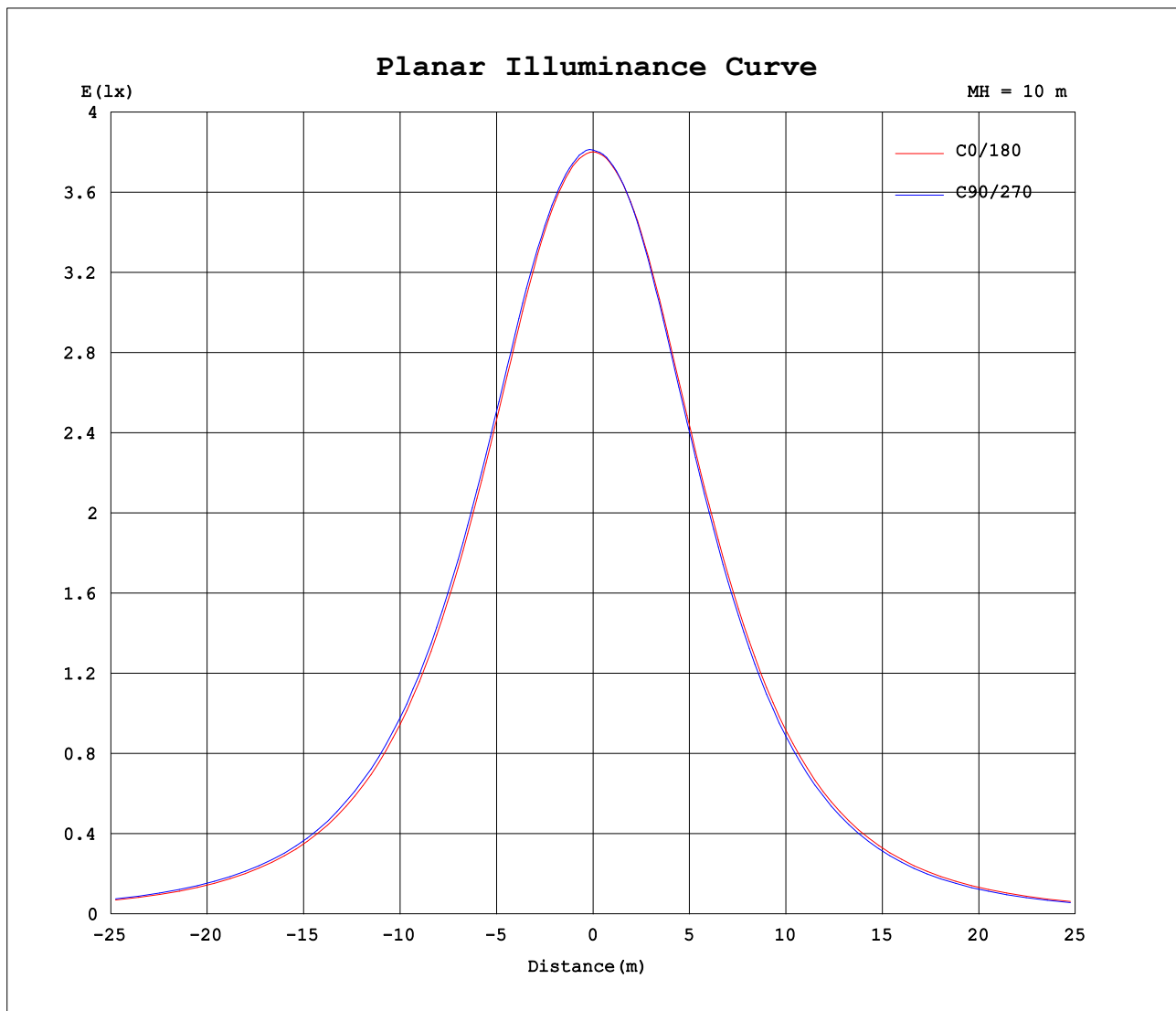


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.33x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 4000K	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	380	380	381	381	381	381	380	380	381	381	381	381							
5	379	380	380	381	381	380	379	379	379	380	380	380							
10	377	378	378	379	379	378	376	376	377	376	377	378							
15	372	373	374	375	374	373	371	370	369	369	371	372							
20	363	365	366	367	366	364	360	358	357	357	360	362							
25	349	352	354	355	353	350	346	343	342	341	345	348							
30	333	336	338	340	337	333	328	325	323	323	327	331							
35	314	318	320	321	318	314	308	304	302	302	306	311							
40	292	297	299	300	296	291	285	280	278	277	283	289							
45	268	273	276	277	273	267	259	254	251	251	257	263							
50	241	247	250	252	246	240	231	226	222	223	228	236							
55	213	218	223	223	218	210	202	196	192	192	198	207							
60	183	189	193	193	189	180	171	165	160	161	167	177							
65	152	158	163	163	158	149	140	133	129	129	136	146							
70	120	127	132	132	127	118	108	100.0	96.8	96.2	104	113							
75	89.1	96.4	100.0	101	95.1	86.8	77.7	69.6	66.6	65.9	73.5	82.1							
80	60.6	67.3	70.7	71.4	65.9	58.2	49.8	42.7	40.0	39.8	46.1	54.0							
85	37.7	43.0	45.3	45.6	40.9	34.8	28.6	23.6	22.1	22.6	26.9	32.5							
90	25.2	27.7	28.5	27.6	24.7	21.4	19.4	18.3	18.3	19.6	21.3	23.4							
95	25.4	25.9	25.0	23.1	22.2	21.2	20.0	18.9	18.8	20.4	21.9	23.7							
100	25.9	25.8	25.1	23.8	21.8	21.2	20.6	18.2	18.5	21.1	21.6	22.8							
105	25.7	24.8	24.3	23.8	21.3	20.7	20.8	18.4	18.9	21.5	21.6	22.8							
110	25.0	24.9	24.1	23.2	21.7	20.9	20.7	19.2	19.7	21.8	22.3	23.3							
115	25.5	25.2	24.4	23.7	22.2	21.4	21.4	20.1	20.7	22.6	23.1	23.9							
120	25.9	25.7	24.8	24.1	22.9	22.0	22.0	21.1	21.7	23.3	24.0	24.7							
125	26.3	26.2	25.4	24.5	23.6	22.8	22.6	22.1	22.8	24.1	24.8	25.4							
130	26.6	26.8	26.0	25.0	24.3	23.6	23.3	22.8	23.6	24.7	25.5	26.1							
135	26.9	27.3	26.5	25.4	25.0	24.1	23.8	23.4	24.4	25.1	26.0	26.7							
140	27.2	27.8	26.8	25.7	25.4	24.4	24.3	24.0	24.9	25.4	26.3	27.1							
145	27.4	27.9	26.9	25.7	25.5	24.5	24.6	24.2	25.1	25.5	26.2	27.1							
150	27.3	27.8	26.7	25.5	25.4	24.4	24.8	24.3	25.0	25.6	26.0	26.9							
155	27.2	27.5	26.3	25.6	25.1	24.3	25.1	24.2	24.7	25.7	25.7	26.4							
160	27.1	26.9	25.9	25.5	24.7	23.9	25.2	23.9	24.2	25.7	25.2	25.8							
165	26.8	26.1	25.2	25.4	24.2	23.6	25.3	23.7	23.7	25.3	24.6	25.1							
170	27.9	27.8	27.1	27.2	26.9	26.1	27.7	26.3	26.9	27.1	26.5	27.2							
175	29.3	29.1	27.8	28.6	28.4	27.3	29.1	27.7	28.1	28.5	27.3	28.4							
180	29.9	28.7	28.2	29.3	28.1	28.1	29.9	28.7	28.2	29.2	28.1	28.1							

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: