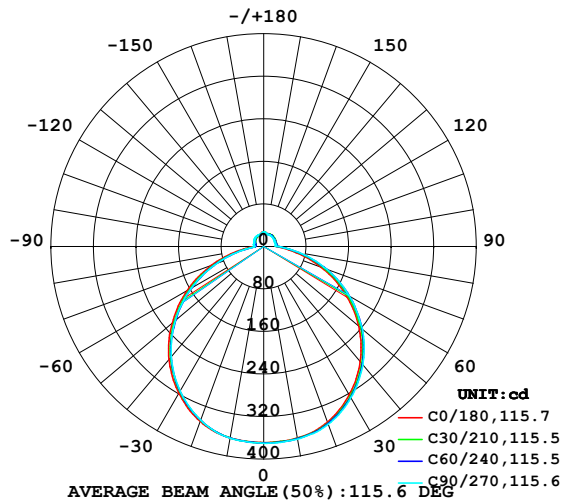


LUMINAIRE PHOTOMETRIC TEST REPORT

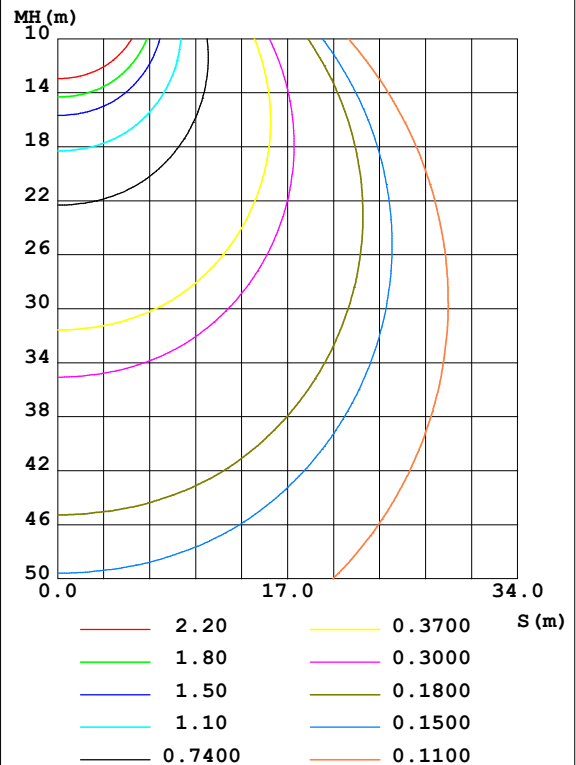
Test:U:120.5V I:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1262.06x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.73 lm/W			
MODEL		I _{max} (cd)	370.3	S/MH (C0/180)	1.28
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1262.1	η UP, DN (C0-180)	5.8, 46.2
NOMINAL FLUX (lm)	1262.06	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.3, 42.6
LAMPS INSIDE	1	η up (%)	11.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	88.8	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	365.8	366.5	367.7	367.2	365.6	365.5	366.0	366.5	0- 10	35.13	35.13	2.78,2.78
20	351.5	354.1	355.9	353.9	349.9	347.8	347.4	350.3	10- 20	101.9	137.1	10.9,10.9
30	322.3	326.4	328.2	324.7	319.0	315.4	314.5	319.4	20- 30	155.7	292.8	23.2,23.2
40	282.5	287.8	290.3	284.8	277.3	271.8	270.8	277.7	30- 40	189.0	481.7	38.2,38.2
50	233.3	240.1	242.9	234.7	224.2	218.1	217.3	225.5	40- 50	197.5	679.3	53.8,53.8
60	176.7	183.9	185.9	178.2	166.4	158.5	157.2	167.1	50- 60	179.8	859.1	68.1,68.1
70	115.2	124.0	126.3	117.4	105.0	96.20	94.07	105.2	60- 70	139.8	999.0	79.2,79.2
80	57.79	65.77	68.20	59.32	48.06	40.26	38.73	48.19	70- 80	85.46	1084	85.9,85.9
90	23.63	26.62	26.30	21.67	18.08	17.07	18.10	20.77	80- 90	36.84	1121	88.8,88.8
100	24.30	24.27	22.94	20.27	19.17	17.13	19.55	20.61	90-100	22.80	1144	90.7,90.7
110	23.40	23.32	22.32	20.03	19.36	18.16	20.22	21.16	100-110	21.99	1166	92.4,92.4
120	24.28	24.00	23.10	21.18	20.57	20.02	21.72	22.67	110-120	21.32	1187	94.1,94.1
130	24.93	25.01	23.88	22.57	21.81	21.77	22.98	24.14	120-130	20.41	1208	95.7,95.7
140	25.54	25.82	24.51	23.54	22.77	22.91	23.78	25.04	130-140	18.48	1226	97.2,97.2
150	25.69	25.77	24.36	23.58	23.29	23.15	23.99	24.85	140-150	15.30	1242	98.4,98.4
160	25.49	24.97	24.30	23.05	23.76	22.66	24.13	24.04	150-160	11.20	1253	99.3,99.3
170	26.33	25.94	25.84	25.06	26.11	25.07	25.57	25.30	160-170	6.780	1260	99.8,99.8
180	28.20	26.89	27.65	26.54	28.18	26.90	27.66	26.54	170-180	2.512	1262	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 581.12 lm

%lum = 46.0%

%lamp = 46.0%

Conical surface Flux(120deg): 859.11 lm

%lum = 68.1%

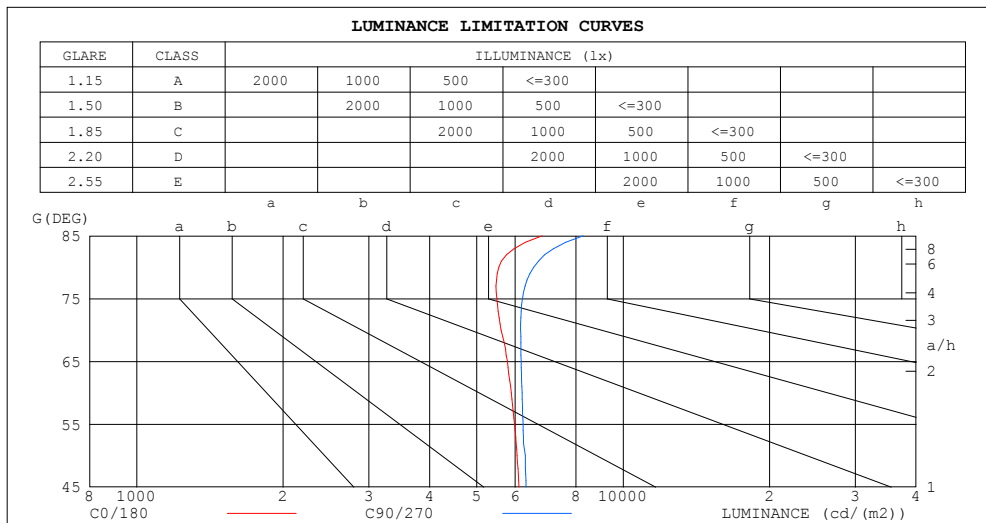
%lamp = 68.1%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1262.06x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6813	8269
80	5547	6546
75	5497	6206
70	5612	6156
65	5786	6168
60	5890	6196
55	5983	6229
50	6048	6298
45	6105	6309

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:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1262.06x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3500K	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	.320	.182	.058	.310	.177	.056	.290	.167	.053	.272	.157	.050	.256	.148	.048		
2.0	.295	.162	.050	.286	.157	.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	.214	.115	.035	.201	.109	.033		
5.0	.229	.117	.034	.222	.114	.033	.210	.109	.032	.198	.104	.031	.186	.100	.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	.026	.162	.084	.025		
8.0	.184	.090	.025	.179	.088	.025	.169	.085	.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	.142	.070	.020	.134	.068	.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	.275	.275	.275	.235	.235	.235	.161	.161	.161	.092	.092	.092	.030	.030	.030	
1.0	.267	.242	.219	.228	.207	.189	.156	.143	.130	.090	.083	.076	.029	.027	.025	
2.0	.259	.218	.184	.222	.188	.159	.152	.130	.111	.088	.076	.065	.028	.024	.021	
3.0	.251	.201	.161	.216	.173	.140	.148	.120	.098	.085	.070	.058	.027	.023	.019	
4.0	.244	.188	.145	.209	.163	.126	.144	.113	.089	.083	.066	.053	.027	.022	.017	
5.0	.237	.178	.135	.203	.154	.117	.140	.108	.083	.081	.063	.049	.026	.021	.016	
6.0	.229	.170	.127	.197	.147	.111	.136	.103	.078	.079	.061	.047	.025	.020	.015	
7.0	.223	.163	.121	.192	.141	.106	.132	.099	.075	.077	.058	.045	.025	.019	.015	
8.0	.216	.157	.117	.186	.137	.102	.129	.096	.072	.075	.057	.043	.024	.019	.014	
9.0	.210	.153	.114	.181	.132	.099	.126	.093	.070	.073	.055	.042	.024	.018	.014	
10.0	.205	.148	.111	.176	.129	.097	.122	.091	.069	.071	.054	.041	.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:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1262.06x1 lm											
NAME: DRF16-26DOB-95C-120D-WH 整灯 3500K						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	18.4	19.8	20.2
	3H	19.5	20.7	19.9	21.1	21.6	19.8	21.0	20.2	21.4	21.9
	4H	20.2	21.4	20.6	21.8	22.3	20.5	21.7	21.0	22.2	22.7
	6H	20.7	21.9	21.2	22.3	22.8	21.2	22.3	21.7	22.8	23.3
	8H	21.0	22.1	21.5	22.5	23.1	21.5	22.6	22.0	23.1	23.6
	12H	21.2	22.2	21.7	22.7	23.3	21.8	22.8	22.3	23.3	23.9
4H	2H	18.5	19.7	19.0	20.1	20.6	18.6	19.8	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	21.2	22.1	21.7	22.6	23.2	21.5	22.4	22.0	22.9	23.5
	6H	21.9	22.7	22.4	23.3	23.9	22.3	23.2	22.9	23.7	24.3
	8H	22.2	23.0	22.8	23.5	24.2	22.7	23.5	23.3	24.0	24.6
	12H	22.5	23.2	23.1	23.8	24.4	23.1	23.8	23.7	24.4	25.0
8H	4H	21.5	22.3	22.1	22.8	23.5	21.8	22.6	22.4	23.1	23.7
	6H	22.4	23.1	23.0	23.7	24.3	22.8	23.5	23.4	24.1	24.7
	8H	22.9	23.5	23.5	24.1	24.8	23.3	23.9	24.0	24.5	25.2
	12H	23.3	23.8	24.0	24.5	25.2	23.9	24.4	24.5	25.0	25.7
12H	4H	21.5	22.3	22.1	22.8	23.5	21.8	22.5	22.4	23.1	23.7
	6H	22.6	23.1	23.2	23.7	24.4	22.9	23.5	23.5	24.1	24.8
	8H	23.1	23.6	23.7	24.2	24.9	23.5	24.0	24.1	24.6	25.3
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, 1262 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.8$)

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:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1262.06x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

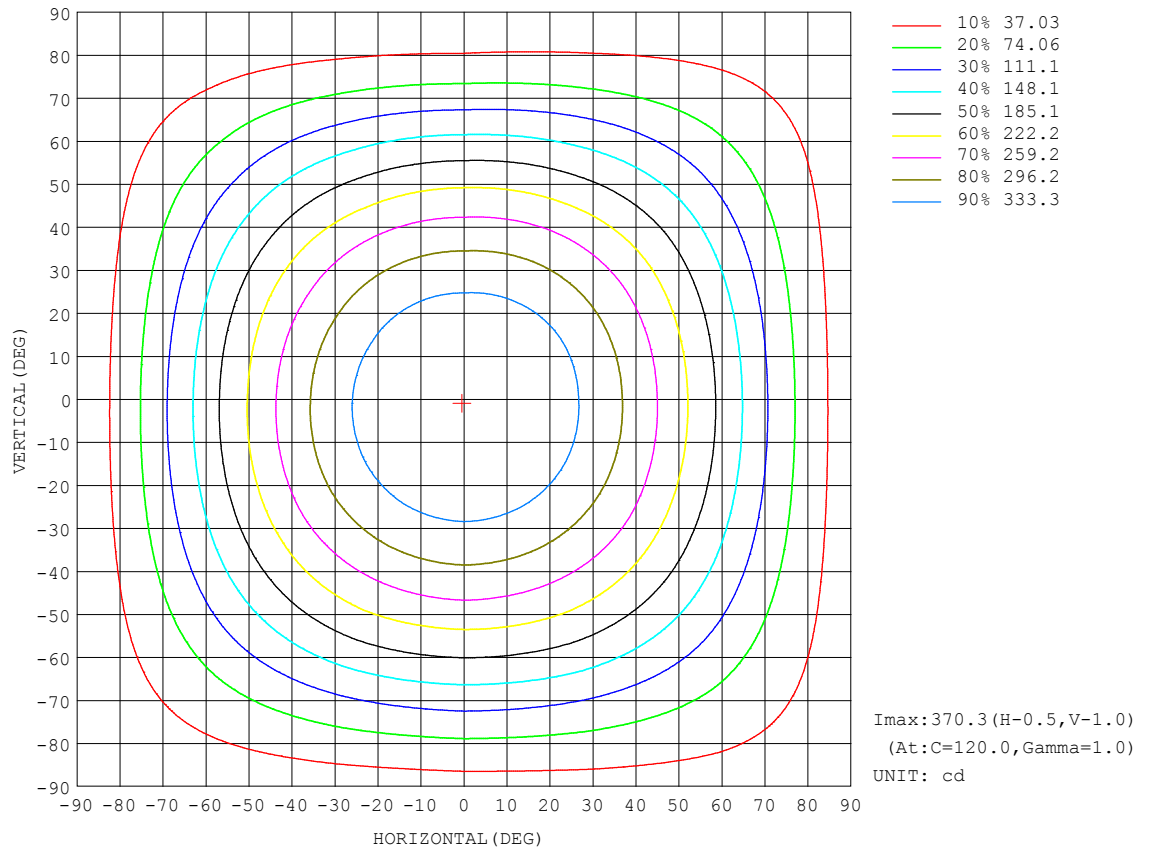
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	42	35	52	41	35	51	40	34	28
0.80	63	51	44	62	51	43	59	49	43	35
1.00	71	60	52	70	59	52	67	59	51	43
1.25	79	67	60	76	66	59	73	64	58	49
1.50	84	73	66	81	72	65	77	69	63	54
2.00	91	81	74	88	79	73	83	76	71	60
2.50	95	86	80	92	84	78	86	80	75	64
3.00	98	91	85	95	88	83	89	84	79	68
4.00	102	96	91	99	93	89	93	88	85	72
5.00	105	99	95	101	97	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:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1262.06x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

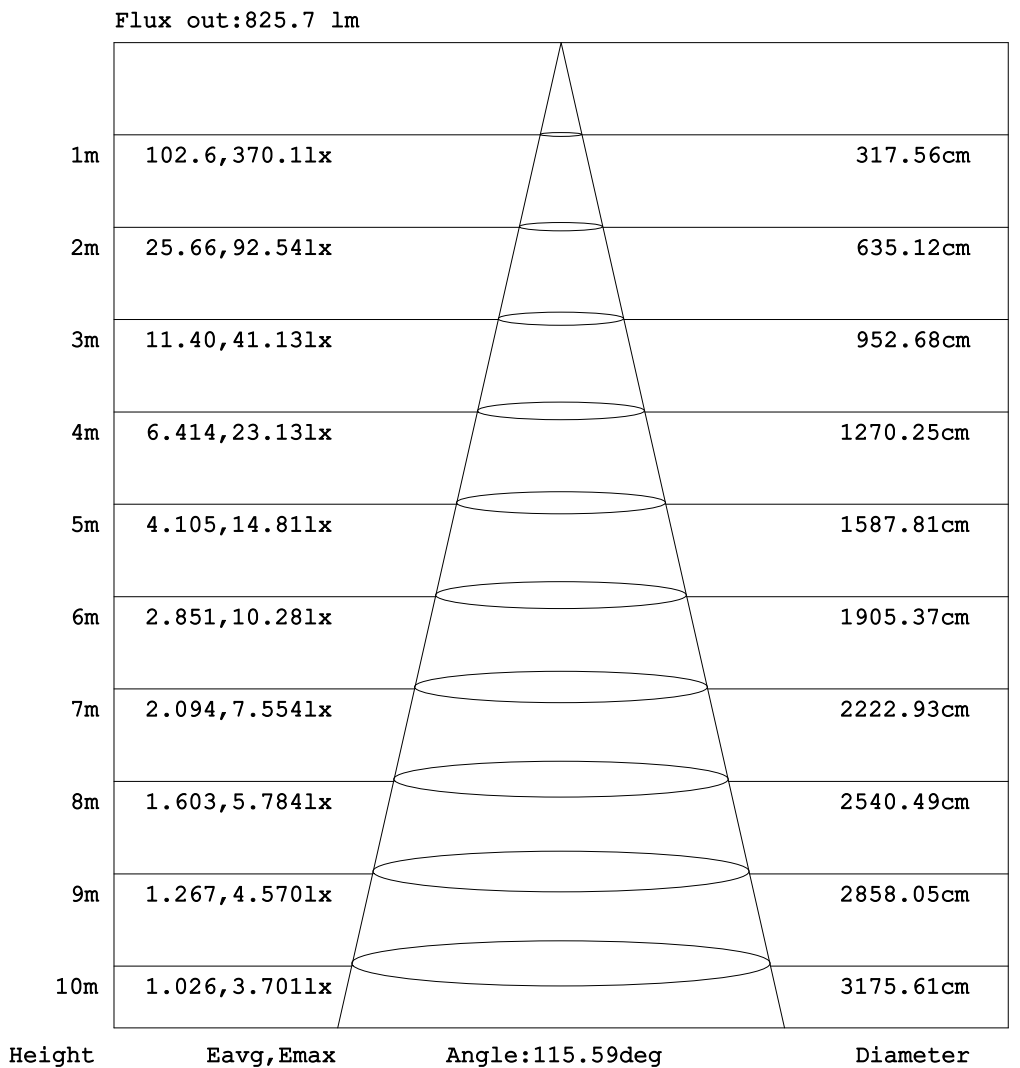


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-03-27

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:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1262.06x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

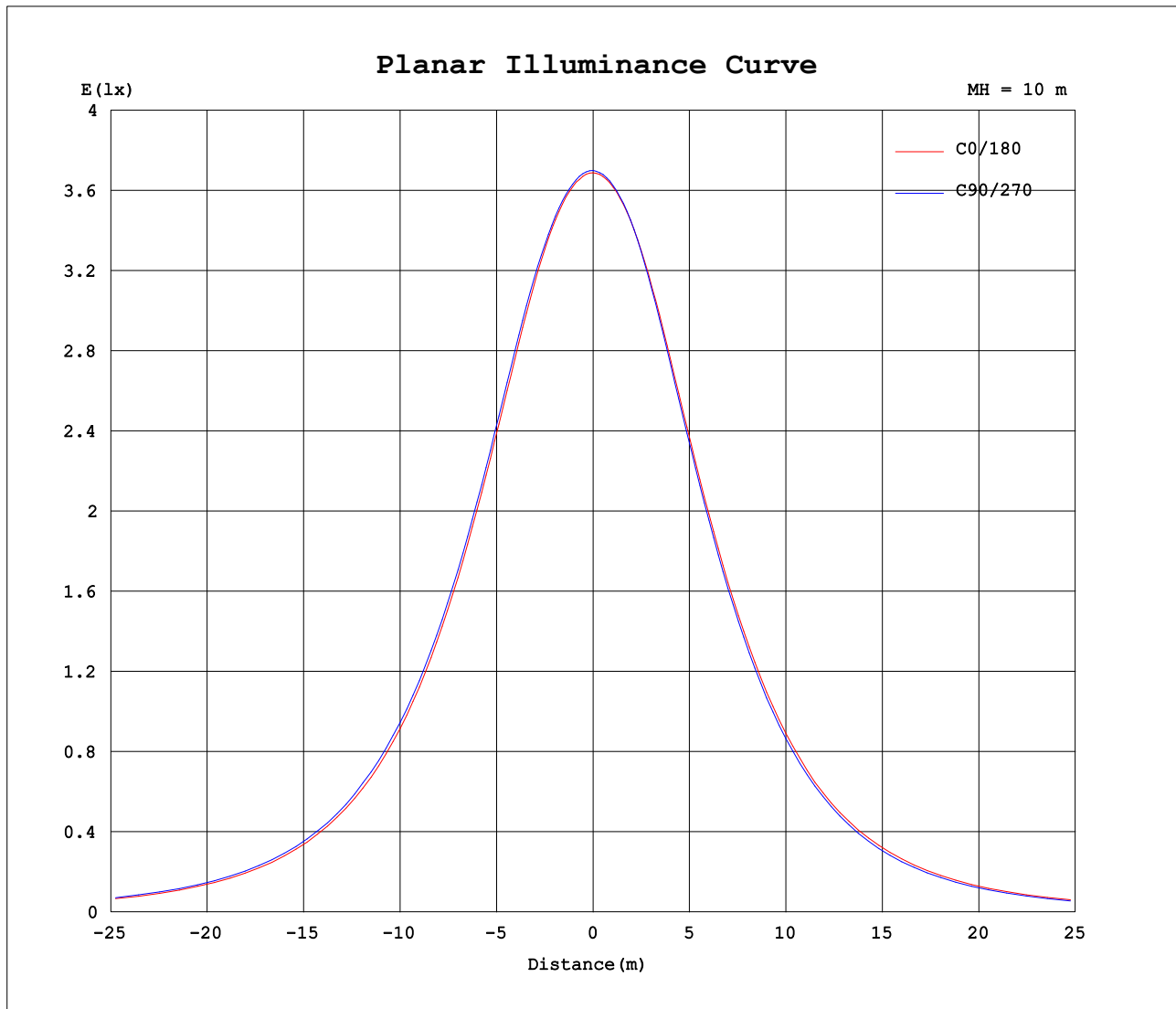


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1262.06x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 3500K	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	369	369	370	370	370	370	369	369	370	370	370	370							
5	368	368	369	370	370	369	368	368	368	369	369	369							
10	366	366	367	368	367	367	366	365	366	366	366	366							
15	361	362	363	364	363	362	360	359	359	359	360	361							
20	352	354	355	356	355	353	350	348	348	347	349	351							
25	338	341	342	344	342	339	336	333	333	332	335	337							
30	322	326	327	328	326	323	319	316	315	314	318	321							
35	304	307	309	310	308	304	299	296	294	294	298	302							
40	283	287	289	290	287	283	277	273	271	271	276	280							
45	259	264	266	268	263	259	252	247	245	245	250	256							
50	233	239	241	243	238	231	224	220	216	217	222	229							
55	206	210	214	214	211	203	196	191	187	188	193	201							
60	177	182	186	186	182	174	166	160	157	157	163	171							
65	147	152	157	156	152	144	136	129	126	126	132	141							
70	115	122	126	126	121	113	105	97.6	94.8	94.1	101	109							
75	85.4	92.1	95.5	96.4	90.9	83.5	75.5	67.9	65.1	64.5	71.1	79.1							
80	57.8	64.2	67.4	68.2	62.9	55.7	48.1	41.5	39.0	38.7	44.7	51.7							
85	35.6	40.6	43.0	43.2	38.8	33.1	27.2	22.6	21.2	21.5	25.4	30.8							
90	23.6	26.2	27.0	26.3	23.3	20.0	18.1	17.1	17.1	18.1	19.7	21.8							
95	23.8	24.6	24.0	22.4	21.1	19.8	18.6	17.6	17.5	18.8	20.2	22.1							
100	24.3	24.5	24.1	22.9	20.7	19.8	19.2	17.0	17.3	19.5	20.0	21.3							
105	24.1	23.6	23.2	23.0	20.1	19.4	19.3	17.2	17.6	19.9	20.1	21.2							
110	23.4	23.6	23.1	22.3	20.5	19.6	19.4	18.0	18.4	20.2	20.6	21.7							
115	23.9	23.9	23.3	22.7	21.0	20.1	20.0	18.8	19.3	21.0	21.4	22.3							
120	24.3	24.3	23.7	23.1	21.7	20.7	20.6	19.7	20.3	21.7	22.3	23.1							
125	24.6	24.8	24.2	23.5	22.4	21.4	21.2	20.7	21.3	22.4	23.1	23.8							
130	24.9	25.3	24.7	23.9	23.0	22.1	21.8	21.4	22.1	23.0	23.8	24.5							
135	25.2	25.7	25.2	24.3	23.6	22.7	22.3	21.9	22.9	23.5	24.3	25.1							
140	25.5	26.2	25.4	24.5	24.1	23.0	22.8	22.5	23.3	23.8	24.6	25.5							
145	25.7	26.4	25.5	24.5	24.2	23.1	23.1	22.7	23.5	23.9	24.6	25.5							
150	25.7	26.3	25.3	24.4	24.1	23.1	23.3	22.8	23.5	24.0	24.4	25.3							
155	25.6	25.9	25.0	24.4	23.9	22.9	23.6	22.7	23.2	24.1	24.2	24.9							
160	25.5	25.4	24.5	24.3	23.5	22.6	23.8	22.5	22.8	24.1	23.7	24.4							
165	25.2	24.7	23.9	24.2	23.0	22.3	23.8	22.3	22.4	23.8	23.2	23.7							
170	26.3	26.2	25.6	25.8	25.5	24.7	26.1	24.8	25.4	25.6	25.0	25.7							
175	27.6	27.5	26.3	27.1	26.9	25.7	27.5	26.1	26.6	26.9	25.8	26.8							
180	28.2	27.1	26.7	27.6	26.6	26.5	28.2	27.1	26.7	27.7	26.6	26.5							

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: