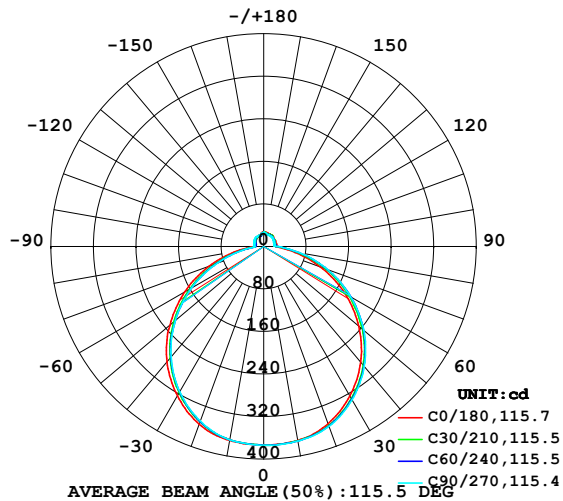


LUMINAIRE PHOTOMETRIC TEST REPORT

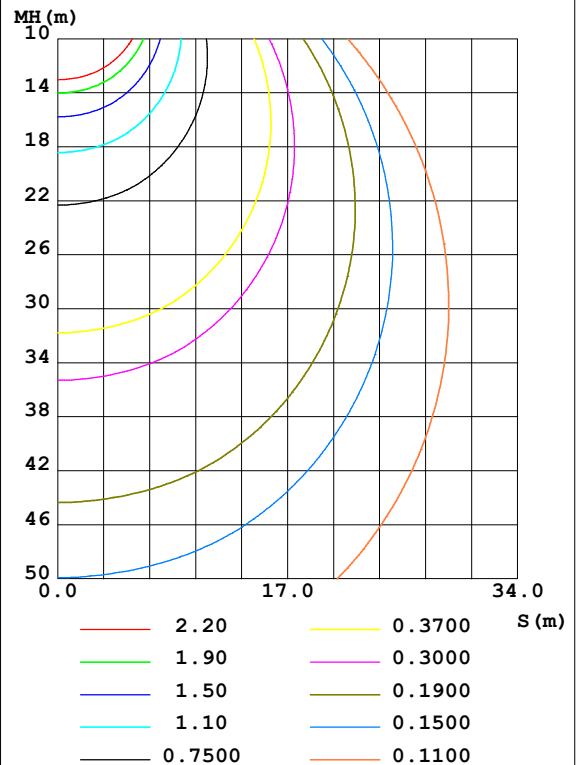
Test:U:120.5V I:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1265.16x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.85 lm/W			
MODEL		I _{max} (cd)	374.2	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1265.2	η UP, DN (C0-180)	5.5, 46.5
NOMINAL FLUX (lm)	1265.16	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.1, 42.8
LAMPS INSIDE	1	η up (%)	10.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	89.3	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: 2024-03-27

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	370.2	371.1	371.6	370.8	370.5	369.1	369.1	369.7	0- 10	35.51	35.51	2.81,2.81
20	354.8	358.8	360.1	356.9	355.6	350.7	349.3	353.0	10- 20	102.9	138.5	10.9,10.9
30	324.5	330.8	332.8	327.7	324.6	317.2	315.8	321.5	20- 30	157.2	295.7	23.4,23.4
40	284.0	292.4	294.2	287.4	283.2	273.1	271.1	279.0	30- 40	190.8	486.5	38.5,38.5
50	233.6	244.0	246.4	237.1	230.1	218.9	217.2	226.4	40- 50	199.4	685.9	54.2,54.2
60	175.9	187.1	188.9	179.6	171.9	159.3	157.1	167.8	50- 60	181.5	867.4	68.6,68.6
70	113.6	126.3	128.3	118.1	109.9	96.49	93.51	104.9	60- 70	141.1	1008	79.7,79.7
80	55.03	65.72	67.97	58.96	51.04	40.08	38.04	47.25	70- 80	85.86	1094	86.5,86.5
90	22.36	24.48	24.34	20.25	17.11	16.90	18.13	19.92	80- 90	35.98	1130	89.3,89.3
100	23.57	21.95	20.71	19.06	17.93	16.64	19.27	19.69	90-100	21.50	1152	91,91
110	23.01	21.45	20.58	19.05	18.18	17.50	19.65	20.36	100-110	20.80	1173	92.7,92.7
120	24.04	22.48	21.68	20.30	19.29	19.24	21.00	21.93	110-120	20.32	1193	94.3,94.3
130	24.86	23.80	22.73	21.77	20.65	20.94	22.33	23.39	120-130	19.60	1213	95.8,95.8
140	25.85	24.98	23.45	22.58	21.97	22.12	22.87	24.11	130-140	17.85	1230	97.3,97.3
150	26.19	25.30	23.47	22.56	22.64	22.26	22.93	23.83	140-150	14.81	1245	98.4,98.4
160	26.20	24.88	23.72	22.07	23.19	21.70	23.01	22.99	150-160	10.88	1256	99.3,99.3
170	26.97	25.63	25.04	24.03	25.94	24.52	24.81	24.40	160-170	6.613	1263	99.8,99.8
180	28.24	26.37	26.95	25.74	28.22	26.37	26.94	25.74	170-180	2.460	1265	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 586.78 lm

%lum = 46.4%

%lamp = 46.4%

Conical surface Flux(120deg): 867.36 lm

%lum = 68.6%

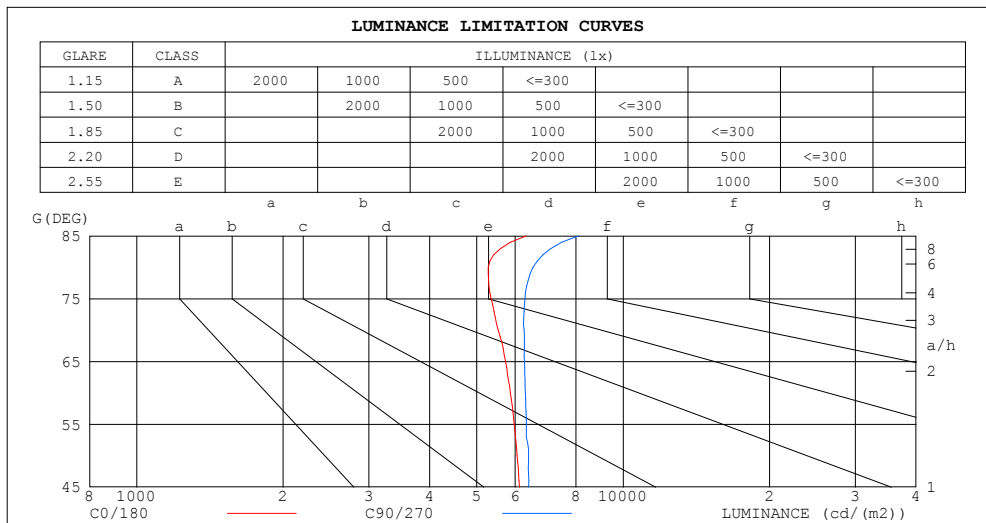
%lamp = 68.6%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1265.16x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 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	6325	8091
80	5281	6524
75	5355	6281
70	5535	6253
65	5732	6266
60	5864	6297
55	5972	6324
50	6056	6389
45	6123	6394

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:1265.16x1 lm					
NAME: DRF16-26DOB-95C-120D-BL 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	.309	.176	.056	.290	.166	.053	.272	.157	.050	.256	.148	.048		
2.0	.295	.162	.050	.286	.157	.048	.268	.149	.046	.252	.142	.044	.238	.134	.042		
3.0	.271	.144	.043	.262	.141	.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	.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	.272	.272	.272	.232	.232	.232	.158	.158	.158	.091	.091	.091	.029	.029	.029	
1.0	.263	.238	.215	.225	.204	.185	.154	.140	.128	.089	.081	.075	.028	.026	.024	
2.0	.255	.214	.180	.218	.184	.156	.150	.128	.109	.086	.074	.064	.028	.024	.021	
3.0	.247	.197	.157	.212	.170	.136	.146	.118	.096	.084	.069	.056	.027	.022	.018	
4.0	.240	.184	.142	.206	.159	.123	.142	.111	.087	.082	.065	.051	.026	.021	.017	
5.0	.233	.174	.131	.200	.151	.114	.138	.105	.080	.080	.062	.048	.026	.020	.016	
6.0	.226	.166	.123	.194	.144	.107	.134	.101	.076	.078	.059	.045	.025	.019	.015	
7.0	.219	.159	.117	.188	.138	.102	.130	.097	.072	.076	.057	.043	.024	.019	.014	
8.0	.212	.154	.113	.183	.133	.099	.127	.093	.070	.074	.055	.042	.024	.018	.014	
9.0	.206	.149	.110	.178	.129	.096	.123	.091	.068	.072	.054	.041	.023	.018	.013	
10.0	.201	.144	.107	.173	.125	.093	.120	.088	.066	.070	.052	.040	.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:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1265.16x1 lm											
NAME: DRF16-26DOB-95C-120D-BL 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		17.9	19.3	18.3	19.6	20.1	18.1	19.5	18.5	19.9	20.3
	3H	19.5	20.8	19.9	21.2	21.6	19.9	21.1	20.3	21.5	22.0
	4H	20.2	21.4	20.6	21.8	22.3	20.6	21.8	21.1	22.3	22.7
	6H	20.7	21.8	21.2	22.3	22.8	21.3	22.4	21.8	22.9	23.4
	8H	20.9	22.0	21.4	22.5	23.0	21.6	22.7	22.1	23.1	23.7
	12H	21.1	22.2	21.6	22.6	23.2	21.9	22.9	22.4	23.4	23.9
4H	2H	18.6	19.8	19.0	20.2	20.7	18.7	20.0	19.2	20.4	20.9
	3H	20.4	21.4	20.9	21.9	22.4	20.7	21.7	21.2	22.2	22.7
	4H	21.2	22.1	21.7	22.6	23.2	21.6	22.5	22.1	23.0	23.6
	6H	21.9	22.7	22.4	23.3	23.8	22.4	23.2	23.0	23.8	24.4
	8H	22.2	22.9	22.7	23.5	24.1	22.8	23.6	23.3	24.1	24.7
	12H	22.4	23.1	23.0	23.7	24.3	23.1	23.8	23.7	24.4	25.0
8H	4H	21.5	22.3	22.1	22.9	23.5	21.9	22.7	22.5	23.2	23.8
	6H	22.4	23.1	23.0	23.7	24.3	22.9	23.6	23.5	24.1	24.8
	8H	22.9	23.4	23.5	24.0	24.7	23.4	24.0	24.0	24.6	25.3
	12H	23.3	23.8	23.9	24.4	25.1	23.9	24.4	24.5	25.0	25.7
12H	4H	21.6	22.3	22.2	22.9	23.5	21.9	22.6	22.5	23.2	23.8
	6H	22.6	23.1	23.2	23.7	24.4	23.0	23.6	23.6	24.2	24.8
	8H	23.0	23.5	23.7	24.2	24.9	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, 1265 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:1265.16x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

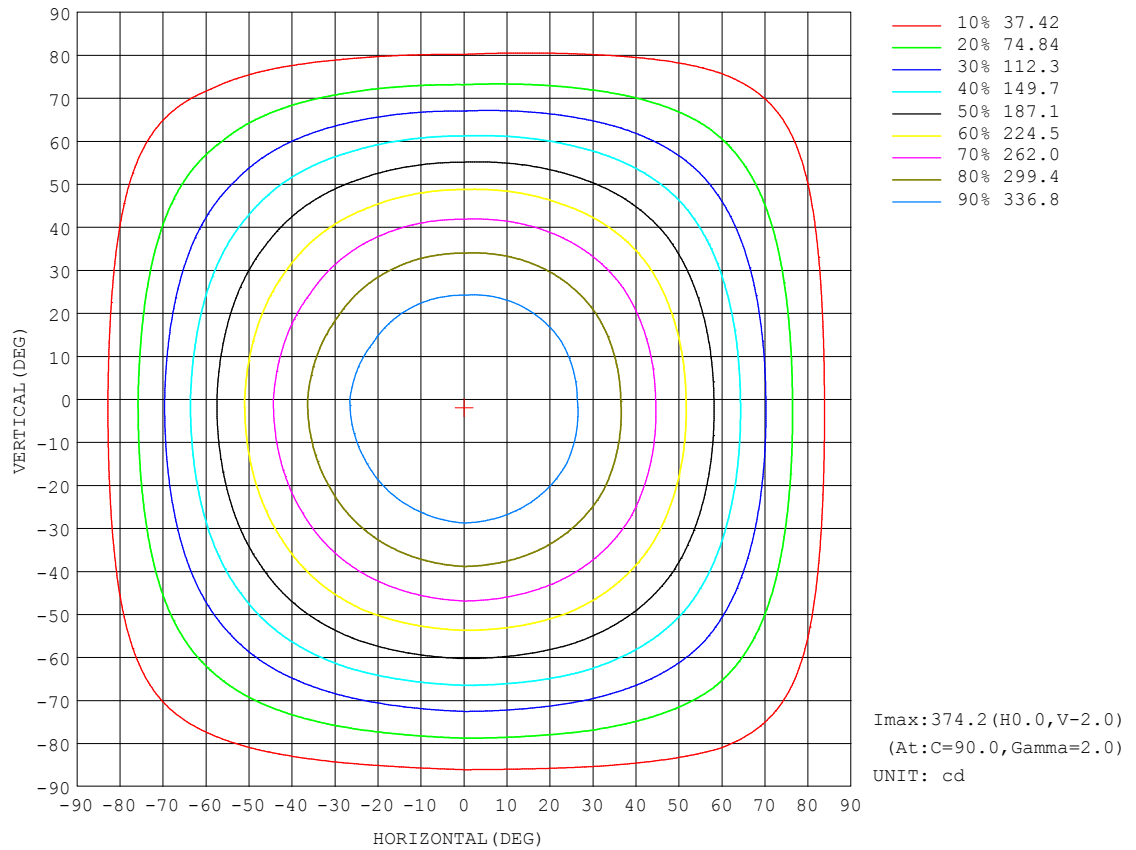
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	51	41	34	28
0.80	63	52	44	62	51	44	59	50	43	35
1.00	72	60	53	70	59	52	67	60	51	43
1.25	79	68	60	77	67	59	73	64	58	49
1.50	84	73	66	81	72	65	77	69	63	54
2.00	91	82	75	88	80	73	83	76	71	61
2.50	95	86	80	92	84	78	87	80	75	65
3.00	98	91	85	95	88	83	90	84	80	68
4.00	102	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:0.2410A P:25.90W PF:0.8880 Freq:60.00Hz Lamp Flux:1265.16x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

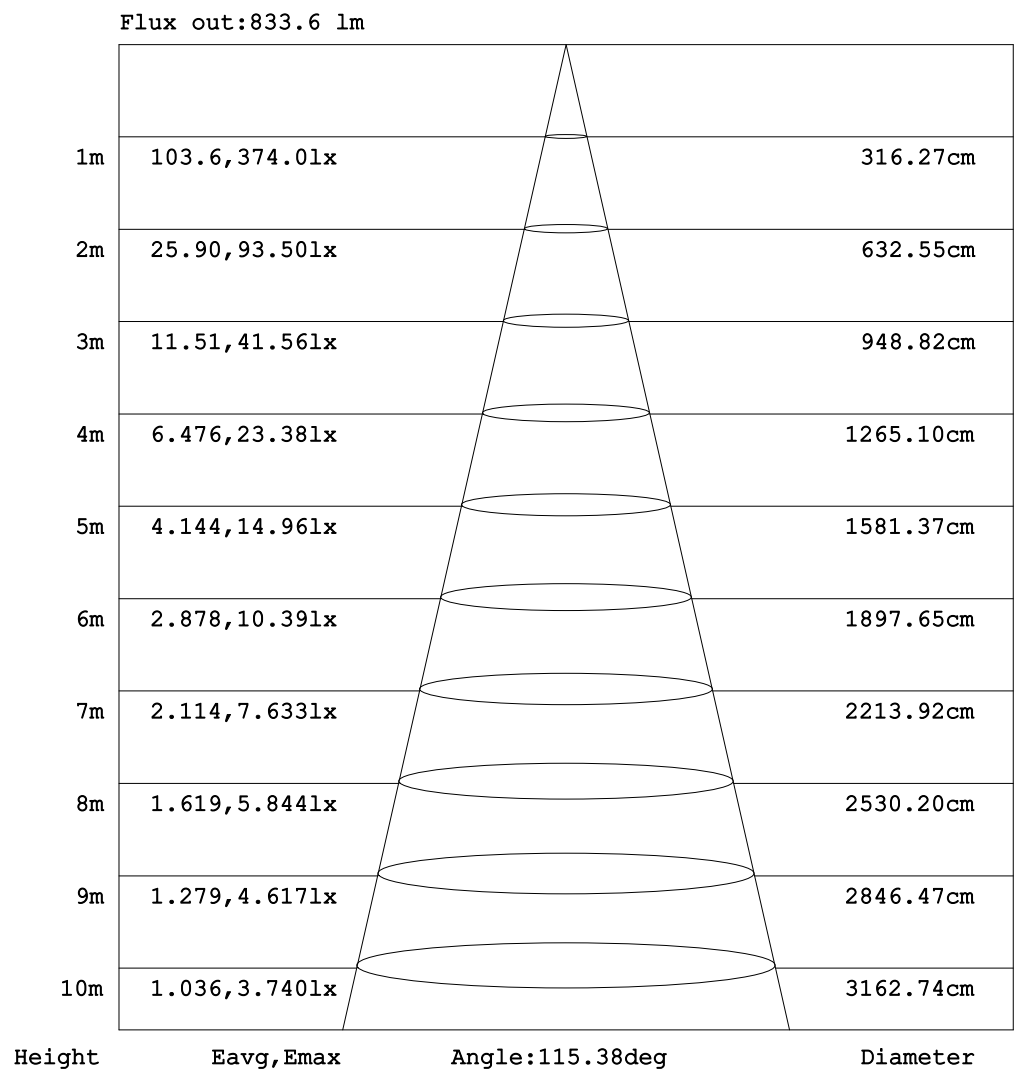


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-03-27

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:1265.16x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

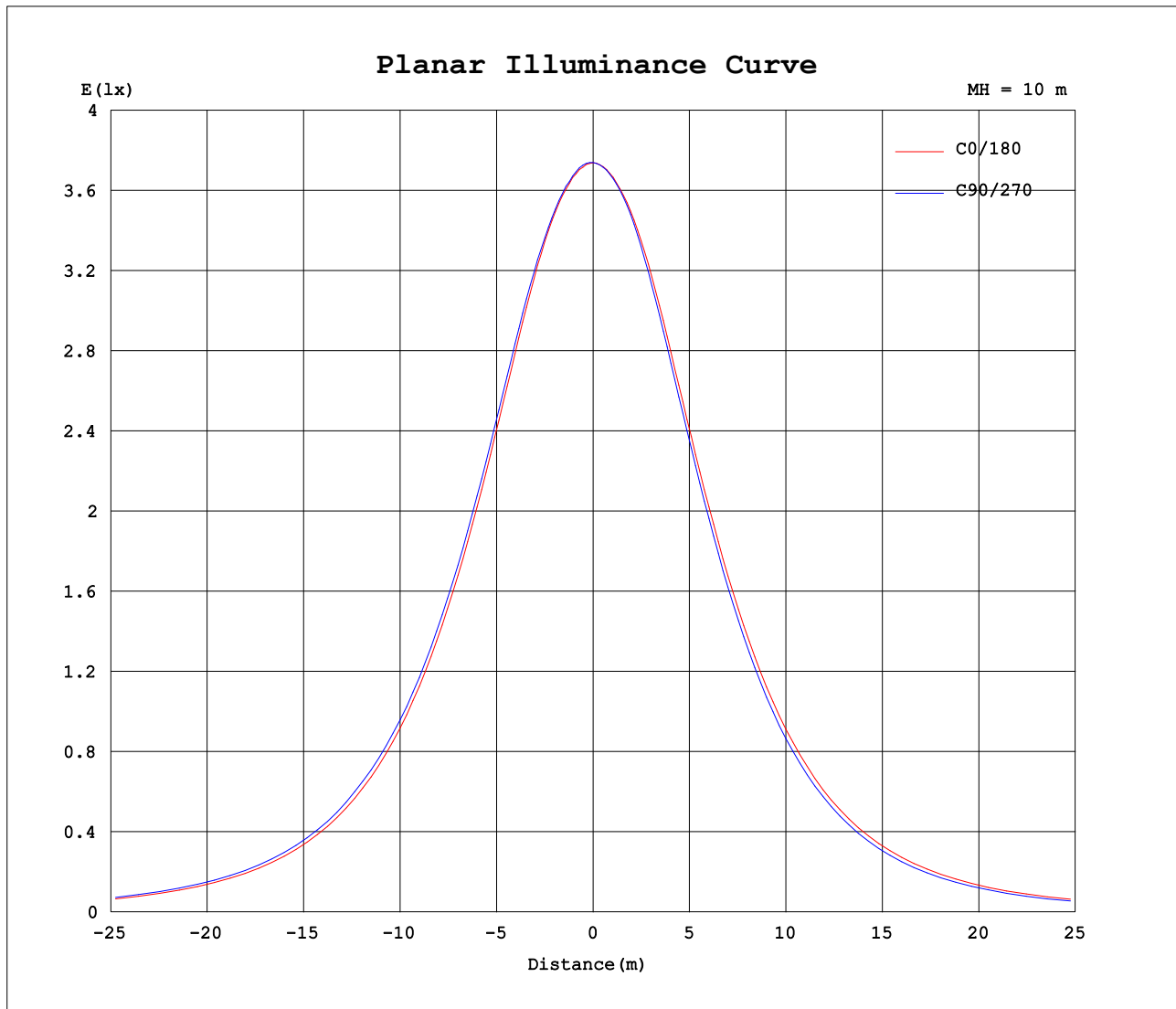


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1265.16x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 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	374	374	374	374	374	374	374	374	374	374	374	374							
5	373	373	373	374	373	373	373	372	372	372	372	373							
10	370	371	371	372	371	371	371	369	369	369	370	370							
15	365	366	367	367	366	366	366	362	362	362	363	365							
20	355	358	359	360	358	356	356	351	350	349	352	354							
25	341	346	347	348	345	342	342	336	335	334	337	340							
30	325	330	332	333	329	326	325	318	316	316	319	324							
35	306	312	314	315	311	307	305	297	295	295	299	304							
40	284	291	293	294	290	285	283	274	272	271	276	282							
45	260	268	270	271	266	261	258	249	246	245	251	257							
50	234	243	245	246	241	234	230	221	217	217	222	231							
55	206	214	218	218	213	205	202	192	188	188	193	202							
60	176	185	189	189	184	175	172	161	157	157	163	172							
65	145	155	159	159	154	145	141	130	126	126	132	141							
70	114	124	128	128	122	114	110	98.1	94.9	93.5	101	109							
75	83.2	93.3	96.8	97.5	91.3	83.8	79.5	68.2	65.3	63.9	70.7	78.6							
80	55.0	64.1	67.3	68.0	62.4	55.5	51.0	41.3	38.8	38.0	43.8	50.7							
85	33.1	39.5	41.8	42.3	37.8	32.2	28.4	22.0	20.7	21.0	24.7	29.5							
90	22.4	24.1	24.8	24.3	21.6	18.9	17.1	16.8	17.0	18.1	19.3	20.5							
95	23.0	22.3	21.4	20.0	19.4	18.9	17.5	17.2	17.3	18.7	19.7	20.7							
100	23.6	22.3	21.6	20.7	19.3	18.8	17.9	16.5	16.8	19.3	19.3	20.1							
105	23.6	21.6	21.1	20.9	18.9	18.4	18.1	16.6	17.1	19.4	19.4	20.2							
110	23.0	21.8	21.1	20.6	19.4	18.7	18.2	17.3	17.7	19.7	20.0	20.8							
115	23.6	22.3	21.5	21.1	20.0	19.2	18.8	18.1	18.6	20.3	20.8	21.4							
120	24.0	22.9	22.1	21.7	20.7	19.9	19.3	19.0	19.5	21.0	21.6	22.2							
125	24.4	23.5	22.7	22.2	21.5	20.6	19.9	19.8	20.5	21.7	22.5	23.0							
130	24.9	24.1	23.5	22.7	22.2	21.4	20.7	20.6	21.3	22.3	23.2	23.6							
135	25.3	24.8	24.1	23.2	22.7	21.8	21.4	21.2	22.0	22.7	23.5	24.2							
140	25.8	25.4	24.5	23.5	23.2	22.0	22.0	21.8	22.4	22.9	23.7	24.6							
145	26.1	25.8	24.7	23.5	23.2	22.0	22.3	22.0	22.6	22.8	23.6	24.5							
150	26.2	25.9	24.7	23.5	23.1	22.0	22.6	22.1	22.4	22.9	23.3	24.4							
155	26.2	25.8	24.6	23.6	22.9	21.8	23.0	22.0	22.1	23.0	23.1	24.0							
160	26.2	25.5	24.3	23.7	22.6	21.5	23.2	21.7	21.7	23.0	22.6	23.4							
165	26.0	24.9	23.8	23.6	22.1	21.2	23.4	21.6	21.3	22.7	22.0	22.8							
170	27.0	26.2	25.1	25.0	24.5	23.6	25.9	24.3	24.7	24.8	24.0	24.8							
175	27.9	27.1	25.6	26.3	26.0	24.8	27.4	25.7	26.0	26.2	25.0	26.0							
180	28.2	26.7	26.1	26.9	25.8	25.7	28.2	26.7	26.1	26.9	25.8	25.7							

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: