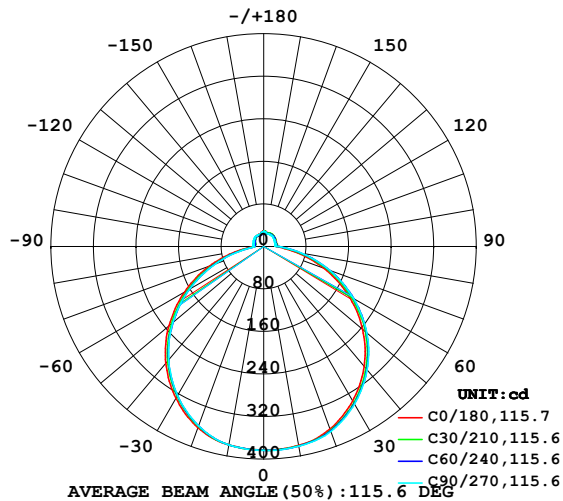


LUMINAIRE PHOTOMETRIC TEST REPORT

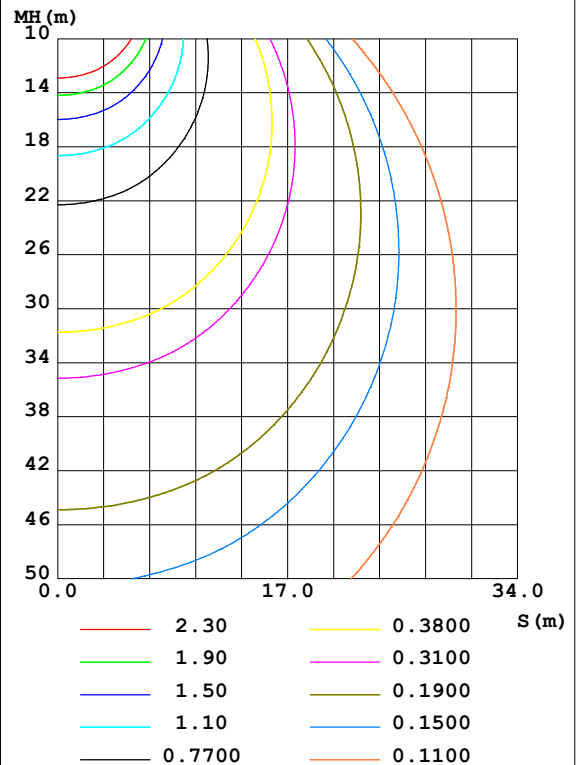
Test:U:120.5V I:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.88x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 50.50 lm/W			
MODEL		I _{max} (cd)	384.0	S/MH (C0/180)	1.28
NOMINAL POWER(W)		LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1307.9	η UP, DN (C0-180)	5.8, 46.5
NOMINAL FLUX (lm)	1307.88	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.3, 42.4
LAMPS INSIDE	1	η up (%)	11.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	88.9	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	379.8	381.0	381.4	380.4	379.0	378.9	378.7	379.5	0- 10	36.43	36.43	2.79,2.79
20	365.4	368.5	370.0	366.8	362.6	359.6	358.8	362.2	10- 20	105.6	142.1	10.9,10.9
30	335.2	340.2	341.9	336.8	329.8	325.2	323.9	330.1	20- 30	161.4	303.4	23.2,23.2
40	294.3	300.7	302.7	295.5	286.6	280.0	278.3	286.6	30- 40	195.8	499.3	38.2,38.2
50	243.0	251.2	253.6	244.4	232.8	224.5	223.3	232.5	40- 50	204.8	704.1	53.8,53.8
60	184.3	193.0	194.8	185.1	172.2	163.5	161.5	172.5	50- 60	186.6	890.7	68.1,68.1
70	120.8	130.7	132.6	122.4	109.1	99.30	96.44	108.4	60- 70	145.4	1036	79.2,79.2
80	59.89	68.73	70.92	61.53	50.02	41.65	39.74	49.40	70- 80	88.91	1125	86,86
90	23.77	26.50	26.14	21.98	19.02	18.06	19.37	21.65	80- 90	38.00	1163	88.9,88.9
100	24.57	23.97	22.52	20.73	20.03	17.77	20.62	21.41	90-100	23.27	1186	90.7,90.7
110	23.95	23.34	22.35	20.65	20.05	18.67	21.02	22.04	100-110	22.47	1209	92.4,92.4
120	25.04	24.40	23.47	21.95	21.22	20.49	22.41	23.64	110-120	21.88	1231	94.1,94.1
130	25.89	25.73	24.54	23.47	22.61	22.28	23.77	25.15	120-130	21.05	1252	95.7,95.7
140	26.94	26.91	25.28	24.28	23.89	23.54	24.35	25.81	130-140	19.13	1271	97.2,97.2
150	27.34	27.19	25.22	24.20	24.40	23.67	24.38	25.45	140-150	15.84	1287	98.4,98.4
160	27.37	26.64	25.40	23.60	24.78	23.07	24.44	24.50	150-160	11.60	1298	99.3,99.3
170	28.26	27.37	26.71	25.61	27.45	26.09	26.39	26.02	160-170	7.038	1305	99.8,99.8
180	29.79	28.09	28.71	27.44	29.78	28.09	28.70	27.44	170-180	2.616	1308	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 602.28 lm

%lum = 46.0%

%lamp = 46.0%

Conical surface Flux(120deg): 890.72 lm

%lum = 68.1%

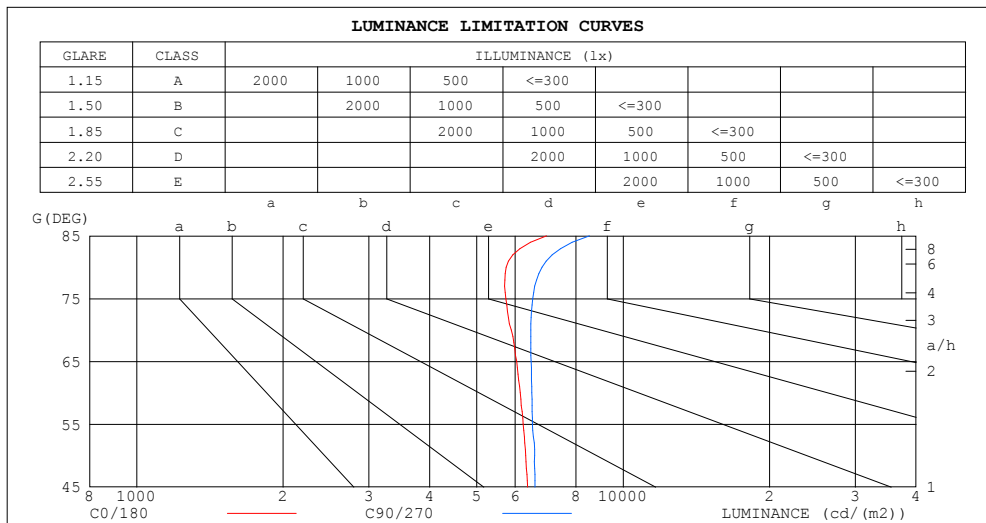
%lamp = 68.1%

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:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.88x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 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	6962	8517
80	5748	6807
75	5739	6519
70	5887	6462
65	6042	6470
60	6143	6492
55	6231	6512
50	6302	6575
45	6358	6587

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:1307.88x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 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	.320	.182	.058	.310	.177	.056	.290	.167	.053	.272	.157	.050	.256	.148	.048	
2.0	.295	.162	.050	.286	.158	.049	.268	.149	.046	.252	.142	.044	.237	.134	.042	
3.0	.271	.144	.043	.263	.141	.042	.247	.134	.041	.232	.127	.039	.219	.121	.037	
4.0	.249	.129	.038	.241	.126	.037	.227	.120	.036	.214	.115	.035	.202	.110	.033	
5.0	.229	.117	.034	.223	.114	.033	.210	.109	.032	.198	.104	.031	.187	.100	.030	
6.0	.212	.106	.030	.206	.104	.030	.194	.100	.029	.184	.095	.028	.173	.091	.027	
7.0	.197	.098	.028	.192	.096	.027	.181	.092	.026	.171	.088	.026	.162	.084	.025	
8.0	.184	.090	.025	.179	.088	.025	.169	.085	.024	.160	.081	.023	.152	.078	.023	
9.0	.172	.083	.023	.168	.082	.023	.159	.079	.022	.150	.075	.022	.143	.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	.160	.160	.160	.092	.092	.092	.029	.029	.029	
1.0	.266	.241	.219	.228	.207	.188	.156	.142	.130	.090	.082	.076	.029	.027	.024	
2.0	.258	.218	.183	.221	.187	.158	.152	.130	.110	.087	.075	.065	.028	.024	.021	
3.0	.251	.200	.160	.215	.173	.139	.148	.120	.097	.085	.070	.057	.027	.023	.019	
4.0	.243	.187	.145	.209	.162	.126	.144	.113	.089	.083	.066	.052	.027	.022	.017	
5.0	.236	.177	.134	.203	.153	.117	.140	.107	.082	.081	.063	.049	.026	.021	.016	
6.0	.229	.169	.126	.197	.147	.110	.136	.103	.078	.079	.060	.046	.025	.020	.015	
7.0	.222	.162	.121	.191	.141	.105	.132	.099	.075	.077	.058	.044	.025	.019	.015	
8.0	.216	.157	.116	.186	.136	.101	.129	.096	.072	.075	.056	.043	.024	.018	.014	
9.0	.210	.152	.113	.181	.132	.099	.125	.093	.070	.073	.055	.042	.024	.018	.014	
10.0	.204	.148	.110	.176	.128	.096	.122	.090	.068	.071	.053	.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:0.2420A P:25.90W PF:0.8870 Freq:60.00Hz Lamp Flux:1307.88x1 lm											
NAME: DRF16-26DOB-95C-120D-BL 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		17.9	19.3	18.3	19.7	20.1	18.1	19.5	18.5	19.9	20.3
	3H	19.5	20.8	20.0	21.2	21.7	19.8	21.1	20.3	21.5	22.0
	4H	20.2	21.4	20.7	21.9	22.3	20.6	21.8	21.1	22.3	22.7
	6H	20.8	21.9	21.3	22.4	22.9	21.3	22.4	21.8	22.9	23.4
	8H	21.0	22.1	21.5	22.6	23.1	21.6	22.7	22.1	23.1	23.7
	12H	21.2	22.3	21.8	22.8	23.3	21.9	22.9	22.4	23.4	23.9
4H	2H	18.6	19.8	19.0	20.2	20.7	18.7	19.9	19.2	20.4	20.8
	3H	20.4	21.4	20.9	21.9	22.5	20.7	21.7	21.2	22.2	22.7
	4H	21.2	22.2	21.8	22.7	23.3	21.6	22.5	22.1	23.0	23.6
	6H	22.0	22.8	22.5	23.3	23.9	22.4	23.2	23.0	23.8	24.4
	8H	22.3	23.0	22.8	23.6	24.2	22.8	23.6	23.3	24.1	24.7
	12H	22.6	23.3	23.1	23.8	24.5	23.1	23.9	23.7	24.4	25.1
8H	4H	21.6	22.4	22.2	22.9	23.5	21.9	22.7	22.5	23.2	23.8
	6H	22.5	23.2	23.1	23.8	24.4	22.9	23.6	23.5	24.2	24.8
	8H	23.0	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	25.0	25.8
12H	4H	21.6	22.4	22.2	22.9	23.6	21.9	22.6	22.5	23.2	23.8
	6H	22.6	23.2	23.3	23.8	24.5	23.0	23.6	23.6	24.2	24.9
	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, 1308 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:1307.88x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

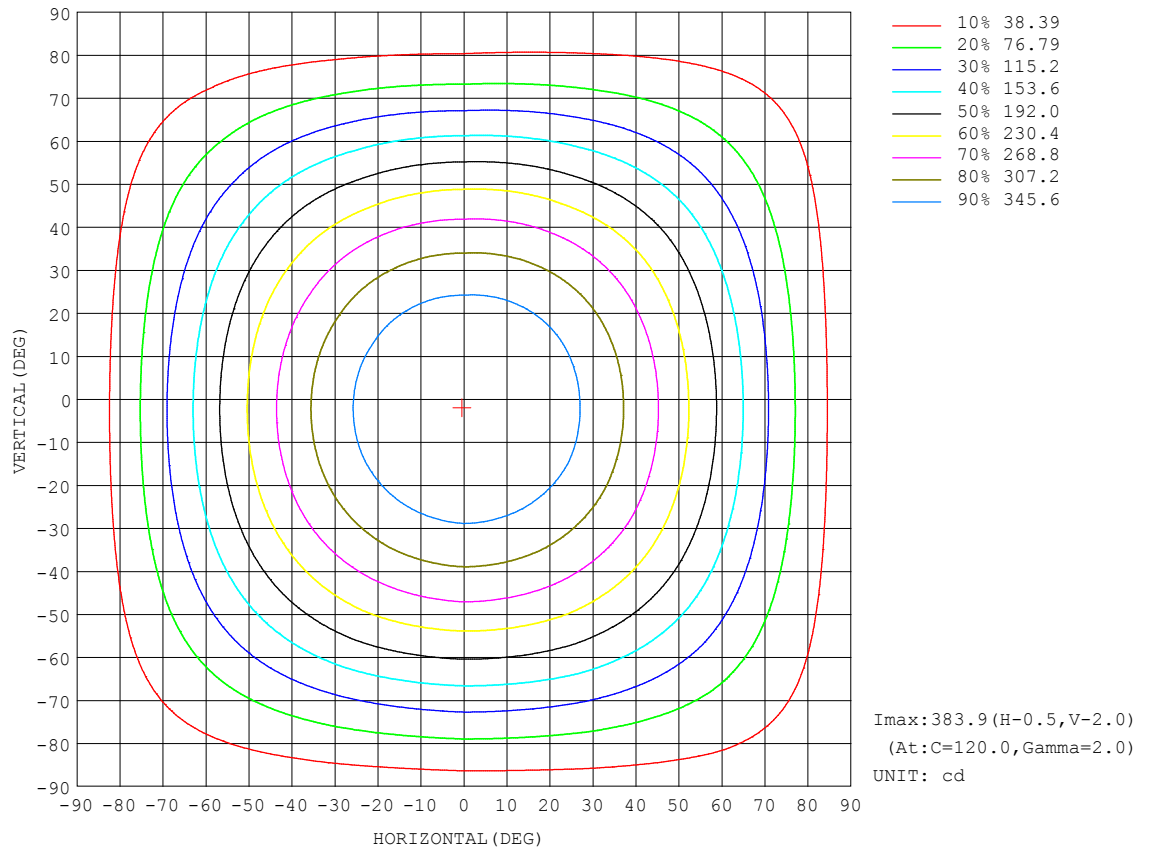
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	42	35	52	41	35	51	40	34	28
0.80	63	51	44	62	51	43	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	93	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:1307.88x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

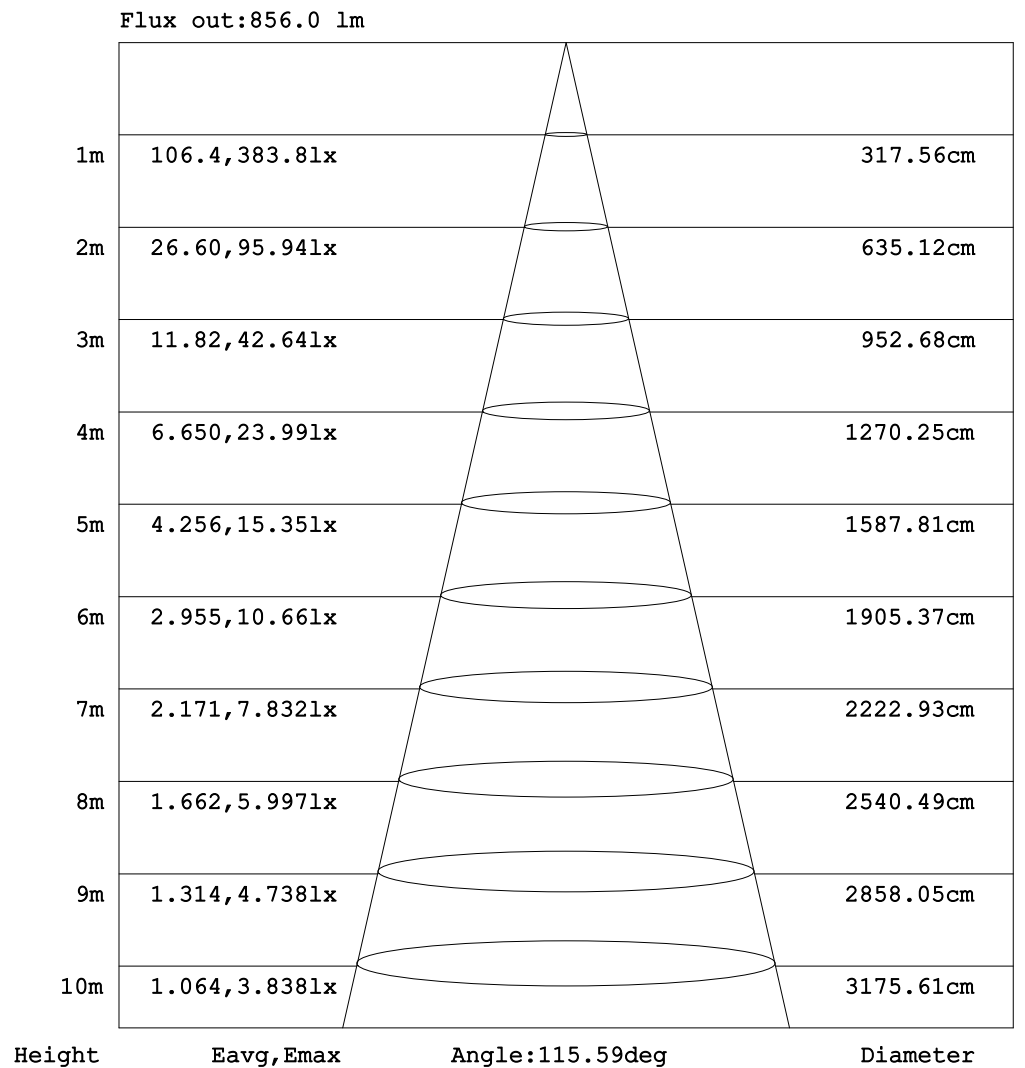


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-03-27

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:1307.88x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

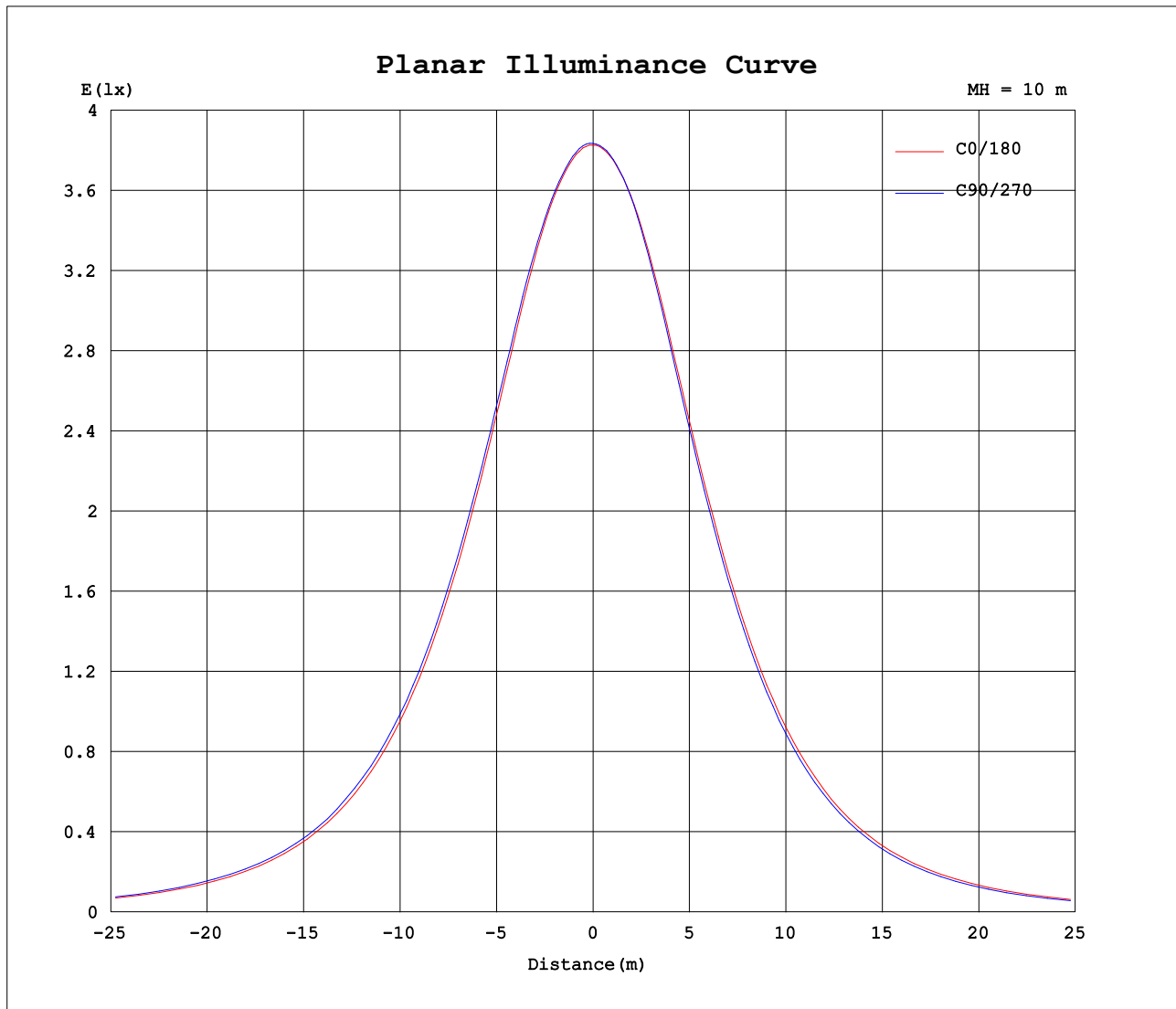


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1307.88x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 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	383	383	383	383	384	384	383	383	383	383	384	384							
5	382	383	383	383	383	382	382	382	382	382	383	383							
10	380	381	381	381	381	380	379	379	379	379	379	380							
15	375	376	377	378	376	375	373	372	371	371	372	374							
20	365	368	369	370	368	366	363	360	359	359	361	363							
25	352	355	357	357	355	352	348	344	343	343	346	350							
30	335	339	341	342	339	335	330	326	324	324	328	332							
35	316	321	323	324	320	315	309	305	303	302	307	312							
40	294	299	302	303	298	293	287	281	279	278	284	290							
45	270	276	279	279	274	268	261	255	252	252	257	265							
50	243	250	253	254	248	241	233	227	222	223	228	237							
55	214	220	225	224	220	211	203	197	192	193	199	208							
60	184	191	195	195	190	180	172	166	161	161	168	177							
65	153	160	165	164	159	149	141	134	129	129	136	146							
70	121	128	133	133	127	118	109	101	97.6	96.4	104	113							
75	89.1	96.9	101	101	94.8	86.8	78.4	70.4	67.3	66.1	73.2	81.7							
80	59.9	67.1	70.4	70.9	65.2	57.8	50.0	43.0	40.3	39.7	45.7	53.1							
85	36.4	41.8	44.2	44.5	40.0	34.2	28.2	23.3	21.9	22.3	26.4	31.4							
90	23.8	26.1	26.9	26.1	23.4	20.5	19.0	18.0	18.1	19.4	20.9	22.4							
95	24.0	24.3	23.4	21.8	21.2	20.5	19.5	18.4	18.4	20.0	21.4	22.7							
100	24.6	24.3	23.7	22.5	21.0	20.5	20.0	17.7	17.9	20.6	20.9	21.9							
105	24.5	23.5	23.0	22.8	20.5	20.0	20.2	17.8	18.2	20.8	21.0	22.0							
110	23.9	23.7	23.0	22.4	21.1	20.2	20.1	18.5	18.9	21.0	21.6	22.5							
115	24.6	24.2	23.4	22.9	21.7	20.8	20.6	19.3	19.8	21.7	22.4	23.2							
120	25.0	24.8	24.0	23.5	22.4	21.5	21.2	20.2	20.8	22.4	23.2	24.0							
125	25.5	25.4	24.7	24.0	23.2	22.2	21.9	21.1	21.8	23.1	24.1	24.8							
130	25.9	26.0	25.4	24.5	23.9	23.0	22.6	21.9	22.7	23.8	24.9	25.4							
135	26.4	26.7	26.0	25.1	24.5	23.4	23.4	22.6	23.4	24.2	25.2	26.0							
140	26.9	27.4	26.5	25.3	24.9	23.6	23.9	23.2	23.8	24.4	25.3	26.4							
145	27.3	27.7	26.6	25.3	25.0	23.6	24.2	23.5	24.0	24.3	25.1	26.3							
150	27.3	27.8	26.6	25.2	24.8	23.6	24.4	23.5	23.8	24.4	24.9	26.0							
155	27.4	27.6	26.4	25.4	24.6	23.4	24.7	23.4	23.5	24.5	24.6	25.6							
160	27.4	27.2	26.0	25.4	24.2	23.0	24.8	23.1	23.0	24.4	24.0	25.0							
165	27.2	26.7	25.5	25.3	23.6	22.6	24.9	23.0	22.6	24.1	23.4	24.3							
170	28.3	27.9	26.8	26.7	26.1	25.1	27.4	25.9	26.3	26.4	25.6	26.5							
175	29.4	28.9	27.3	28.1	27.7	26.5	28.9	27.4	27.7	27.9	26.6	27.7							
180	29.8	28.4	27.8	28.7	27.5	27.4	29.8	28.4	27.8	28.7	27.5	27.4							

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: