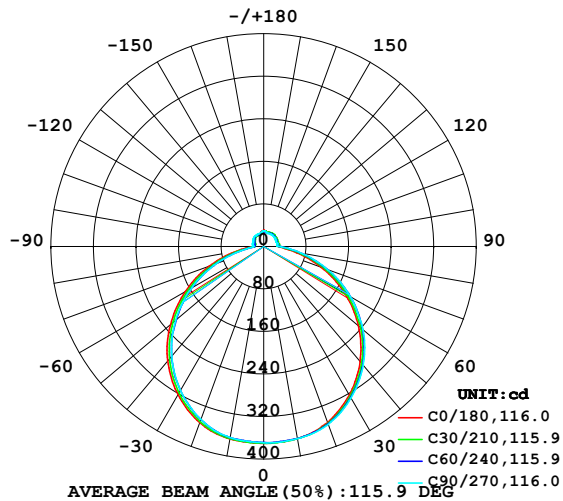


LUMINAIRE PHOTOMETRIC TEST REPORT

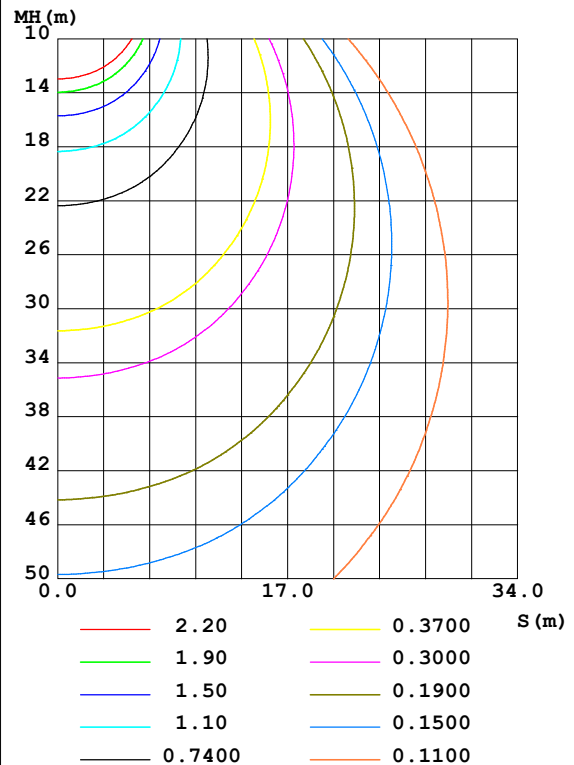
Test:U:120.5V I:0.2470A P:26.00W PF:0.8720 Freq:60.00Hz Lamp Flux:1284.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 49.41 lm/W			
MODEL		I _{max} (cd)	370.5	S/MH (C0/180)	1.29
NOMINAL POWER(W)		LOR(%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1284.5	η UP,DN(C0-180)	6.5,45.7
NOMINAL FLUX(lm)	1284.54	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	5.7,42.2
LAMPS INSIDE	1	η up (%)	12.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down (%)	87.9	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	366.6	366.8	367.1	366.2	367.2	365.8	364.7	365.8	0- 10	35.11	35.11	2.73,2.73
20	352.1	354.3	355.9	353.0	352.5	348.3	346.0	349.5	10- 20	101.9	137.0	10.7,10.7
30	322.5	326.6	328.9	324.3	322.0	315.8	313.0	318.8	20- 30	155.7	292.7	22.8,22.8
40	282.3	288.4	291.2	284.6	280.9	272.6	269.3	277.4	30- 40	189.2	481.9	37.5,37.5
50	232.8	241.0	244.1	234.8	228.3	219.1	216.3	225.6	40- 50	198.0	679.9	52.9,52.9
60	176.3	184.8	188.0	179.0	170.3	160.2	156.9	168.1	50- 60	180.7	860.6	67,67
70	115.0	125.2	128.6	118.8	109.7	98.16	94.55	106.6	60- 70	141.3	1002	78,78
80	58.46	67.44	70.64	61.38	52.23	42.41	39.99	50.23	70- 80	87.40	1089	84.8,84.8
90	27.16	29.85	29.31	24.41	19.48	18.22	20.04	23.28	80- 90	39.31	1129	87.9,87.9
100	28.35	28.10	25.96	23.15	20.55	18.18	21.60	23.10	90-100	25.62	1154	89.8,89.8
110	27.08	26.93	25.10	22.73	20.75	19.26	22.22	23.58	100-110	24.65	1179	91.8,91.8
120	27.86	27.53	25.86	23.83	22.02	21.26	23.75	25.08	110-120	23.76	1203	93.6,93.6
130	28.35	28.44	26.60	25.16	23.30	23.17	25.06	26.52	120-130	22.61	1225	95.4,95.4
140	28.93	29.12	27.12	26.00	24.25	24.38	25.77	27.34	130-140	20.36	1246	97,97
150	28.71	28.79	26.78	25.83	24.81	24.68	25.91	26.99	140-150	16.75	1262	98.3,98.3
160	28.28	27.64	26.52	25.06	25.36	24.15	26.00	25.97	150-160	12.19	1274	99.2,99.2
170	29.03	28.44	28.04	27.12	28.20	26.97	27.55	27.29	160-170	7.353	1282	99.8,99.8
180	30.60	29.15	29.90	28.63	30.60	29.17	29.85	28.63	170-180	2.721	1285	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 581.47 lm

%lum = 45.3%

%lamp = 45.3%

Conical surface Flux(120deg): 860.55 lm

%lum = 67.0%

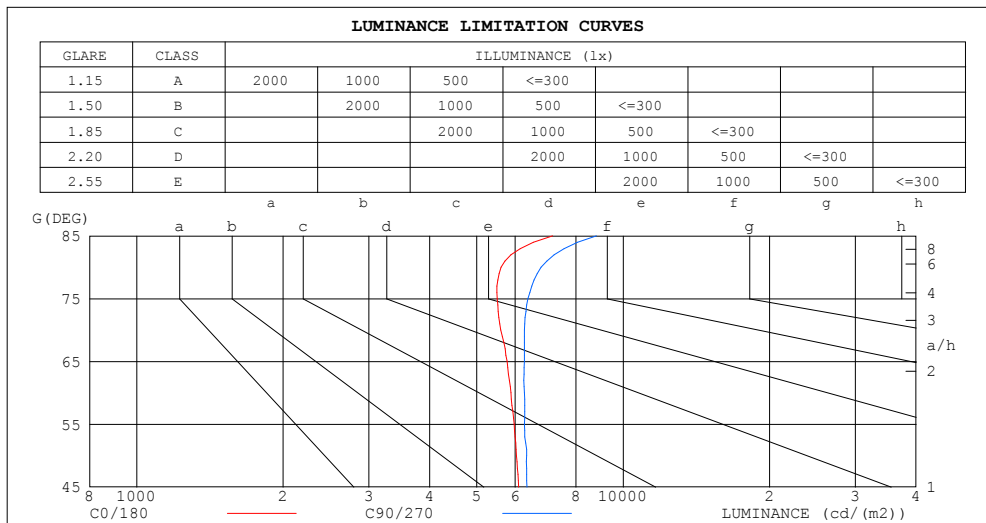
%lamp = 67.0%

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:0.8720 Freq:60.00Hz Lamp Flux:1284.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7163	8805
80	5611	6780
75	5505	6375
70	5603	6267
65	5771	6262
60	5875	6266
55	5965	6269
50	6036	6329
45	6095	6338

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:0.8720 Freq:60.00Hz Lamp Flux:1284.54x1 lm								
NAME: DRF16-26DOB-95C-120D-WH 整灯 5000K				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 Coeffcients(WEC)										
0.0																	
1.0	.322	.183	.058	.311	.178	.056	.291	.167	.053	.273	.157	.050	.255	.148	.048		
2.0	.296	.162	.050	.286	.158	.049	.268	.149	.046	.252	.141	.044	.236	.134	.042		
3.0	.271	.144	.043	.263	.141	.042	.246	.133	.041	.231	.127	.039	.217	.120	.037		
4.0	.249	.129	.038	.241	.126	.037	.226	.120	.036	.213	.114	.034	.200	.109	.033		
5.0	.229	.117	.034	.222	.114	.033	.209	.109	.032	.197	.104	.031	.185	.099	.030		
6.0	.212	.106	.030	.206	.104	.030	.194	.099	.029	.182	.095	.028	.172	.090	.027		
7.0	.197	.098	.028	.191	.095	.027	.180	.091	.026	.170	.087	.025	.160	.083	.024		
8.0	.184	.090	.025	.179	.088	.025	.169	.084	.024	.159	.081	.023	.150	.077	.022		
9.0	.172	.083	.023	.167	.082	.023	.158	.078	.022	.149	.075	.021	.141	.072	.021		
10.0	.162	.078	.022	.157	.076	.021	.149	.073	.021	.141	.070	.020	.133	.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	.283	.283	.283	.242	.242	.242	.165	.165	.165	.095	.095	.095	.030	.030	.030	
1.0	.274	.249	.227	.235	.214	.195	.161	.147	.135	.092	.085	.078	.030	.027	.025	
2.0	.267	.226	.191	.228	.194	.165	.157	.134	.115	.090	.078	.068	.029	.025	.022	
3.0	.259	.209	.169	.222	.180	.146	.153	.125	.103	.088	.073	.060	.028	.024	.020	
4.0	.252	.196	.153	.216	.169	.133	.148	.118	.094	.086	.069	.055	.028	.022	.018	
5.0	.244	.186	.142	.210	.161	.124	.145	.112	.088	.084	.066	.052	.027	.022	.017	
6.0	.237	.178	.135	.204	.154	.117	.141	.108	.083	.082	.063	.049	.026	.021	.016	
7.0	.231	.171	.129	.198	.148	.113	.137	.104	.080	.080	.061	.047	.026	.020	.016	
8.0	.224	.165	.125	.193	.143	.109	.134	.101	.077	.078	.059	.046	.025	.019	.015	
9.0	.218	.160	.121	.188	.139	.106	.130	.098	.075	.076	.058	.045	.025	.019	.015	
10.0	.213	.156	.119	.183	.136	.104	.127	.095	.074	.074	.056	.044	.024	.019	.015	

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:0.8720 Freq:60.00Hz Lamp Flux:1284.54x1 lm											
NAME: DRF16-26DOB-95C-120D-WH 整灯 5000K						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	17.7	19.0	18.1	19.4	19.9	17.9	19.3	18.4	19.7	20.2	
	3H	19.3	20.6	19.8	21.0	21.5	19.7	21.0	20.2	21.4	21.9
	4H	20.0	21.2	20.5	21.6	22.1	20.5	21.7	21.0	22.1	22.6
	6H	20.6	21.7	21.1	22.2	22.7	21.2	22.3	21.7	22.8	23.3
	8H	20.8	21.9	21.4	22.4	22.9	21.5	22.6	22.0	23.1	23.6
	12H	21.1	22.1	21.6	22.6	23.2	21.8	22.9	22.3	23.4	23.9
4H	2H	18.3	19.5	18.8	20.0	20.5	18.5	19.7	19.0	20.2	20.7
	3H	20.2	21.2	20.7	21.7	22.3	20.5	21.5	21.0	22.0	22.6
	4H	21.0	21.9	21.5	22.5	23.1	21.4	22.4	22.0	22.9	23.5
	6H	21.7	22.6	22.3	23.1	23.8	22.3	23.1	22.9	23.7	24.3
	8H	22.1	22.8	22.7	23.4	24.1	22.7	23.5	23.3	24.0	24.7
	12H	22.4	23.1	23.0	23.7	24.4	23.1	23.8	23.7	24.4	25.1
8H	4H	21.4	22.1	22.0	22.7	23.4	21.7	22.5	22.3	23.1	23.7
	6H	22.3	23.0	22.9	23.6	24.2	22.8	23.5	23.4	24.1	24.7
	8H	22.8	23.4	23.4	24.0	24.7	23.4	23.9	24.0	24.6	25.3
	12H	23.3	23.7	23.9	24.4	25.1	23.9	24.4	24.6	25.1	25.8
12H	4H	21.4	22.1	22.0	22.7	23.4	21.8	22.5	22.4	23.1	23.7
	6H	22.4	23.0	23.1	23.6	24.3	22.9	23.5	23.5	24.1	24.8
	8H	23.0	23.5	23.6	24.1	24.8	23.5	24.0	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, 1285 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:0.2470A P:26.00W PF:0.8720 Freq:60.00Hz Lamp Flux:1284.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

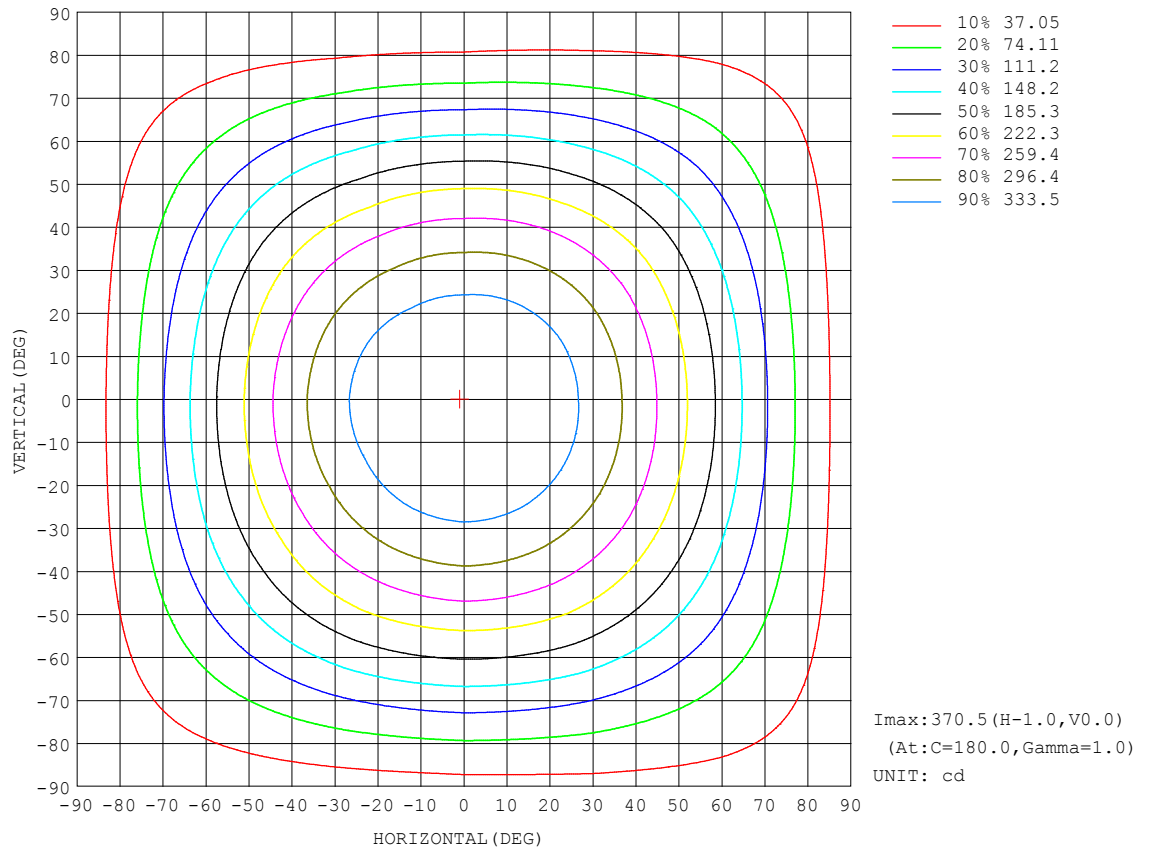
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	41	34	50	40	34	27
0.80	63	51	43	61	50	43	59	49	42	35
1.00	71	59	52	69	58	51	66	59	50	42
1.25	78	67	59	76	66	59	72	63	57	48
1.50	83	73	65	81	71	64	76	68	62	53
2.00	90	81	74	87	79	72	82	75	70	60
2.50	94	86	79	91	84	78	86	79	74	63
3.00	98	90	84	94	88	82	89	83	79	67
4.00	102	96	90	98	93	88	92	88	84	71
5.00	104	99	94	101	96	92	94	91	87	74
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:0.8720 Freq:60.00Hz Lamp Flux:1284.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

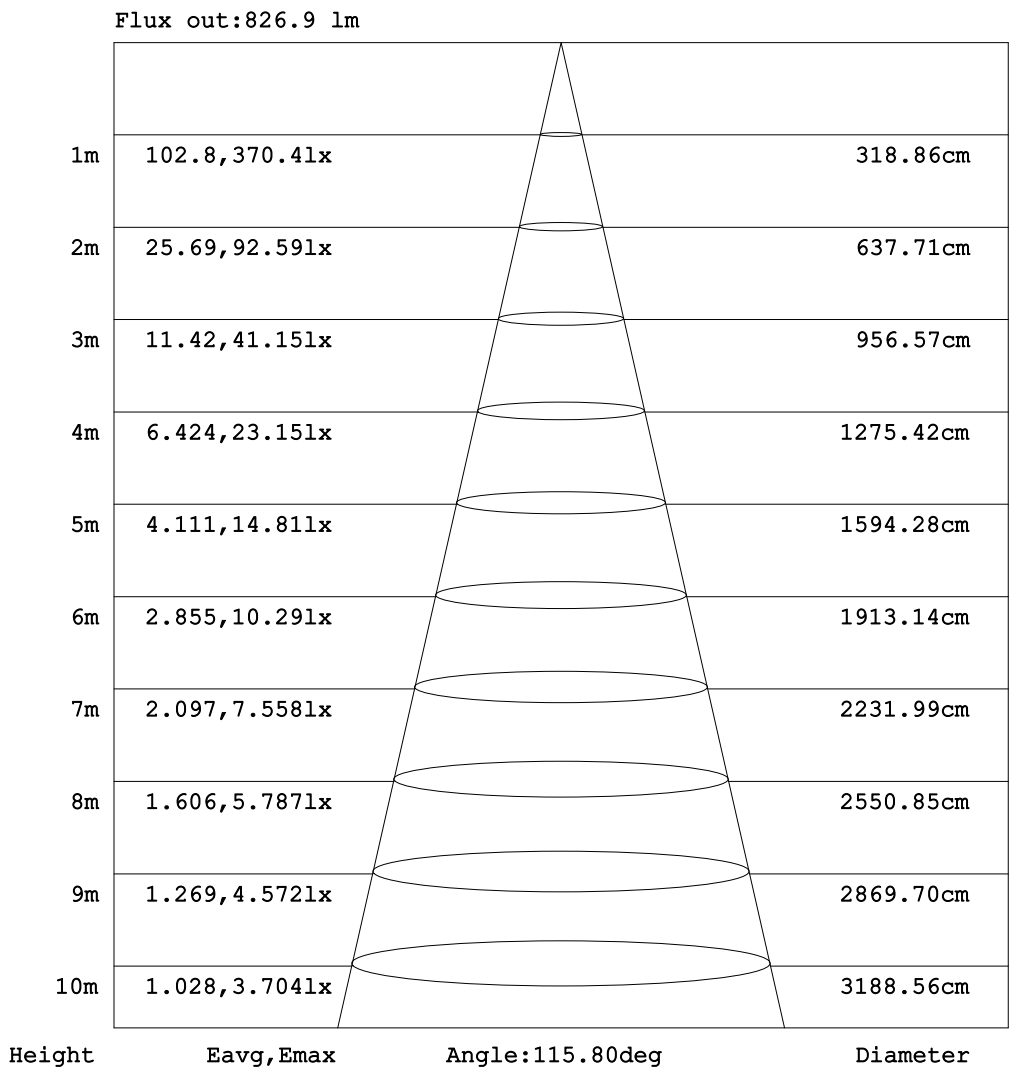


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-03-27

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:0.8720 Freq:60.00Hz Lamp Flux:1284.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

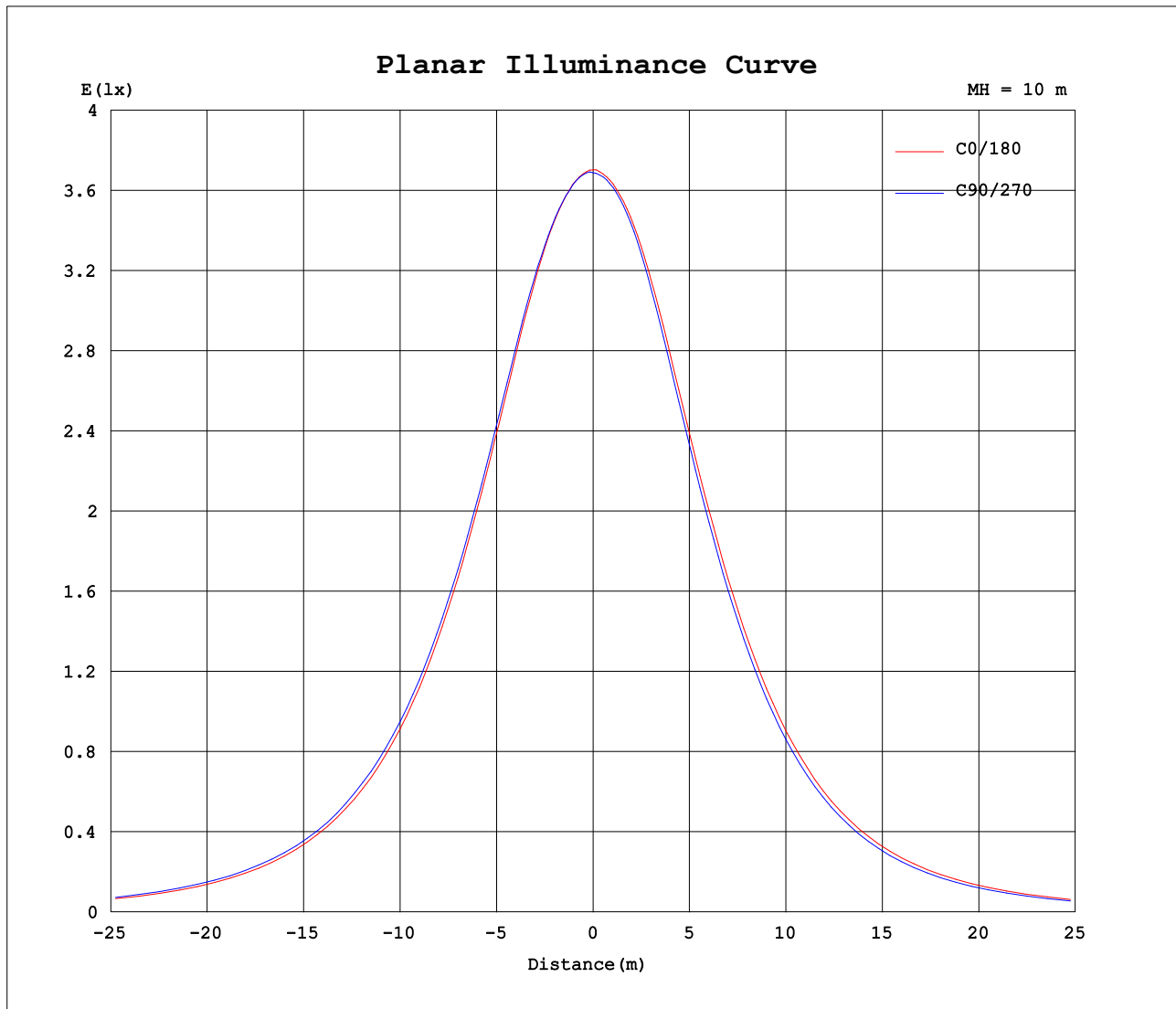


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.8720 Freq:60.00Hz Lamp Flux:1284.54x1 lm		
NAME: DRF16-26DOB-95C-120D-WH 整灯 5000K	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	370	370	369	369	369	369	370	370	369	369	369	369							
5	369	370	368	369	369	368	369	369	368	368	368	368							
10	367	367	367	367	367	366	367	367	365	365	366	366							
15	361	363	362	363	362	361	362	361	358	358	359	360							
20	352	354	355	356	354	352	352	350	346	346	348	351							
25	338	341	343	344	342	339	339	336	331	331	334	337							
30	323	325	328	329	326	322	322	318	313	313	317	321							
35	304	307	310	311	308	303	303	298	293	292	297	302							
40	282	287	290	291	287	282	281	276	270	269	275	280							
45	259	264	268	269	264	258	256	250	244	244	250	256							
50	233	239	243	244	239	231	228	223	215	216	221	230							
55	205	210	216	216	212	204	200	194	186	187	193	202							
60	176	181	188	188	183	175	170	164	156	157	164	173							
65	146	152	159	159	154	145	140	133	126	126	133	142							
70	115	122	129	129	123	114	110	101	94.9	94.6	102	111							
75	85.5	92.1	98.1	99.0	92.9	84.9	79.5	71.7	65.9	65.3	72.8	81.2							
80	58.5	64.8	70.1	70.6	65.1	57.6	52.2	44.8	40.0	40.0	46.4	54.1							
85	37.5	42.3	46.0	46.0	41.3	35.3	30.3	24.9	22.5	23.2	27.7	33.4							
90	27.2	29.5	30.2	29.3	26.2	22.7	19.5	17.8	18.6	20.0	22.0	24.5							
95	27.8	29.0	27.3	25.3	24.1	22.7	20.0	18.3	19.1	20.9	22.6	24.9							
100	28.3	28.9	27.3	26.0	23.7	22.6	20.5	17.5	18.8	21.6	22.3	23.9							
105	28.1	27.8	26.3	25.9	22.9	22.1	20.7	17.7	19.2	22.0	22.4	23.8							
110	27.1	27.8	26.1	25.1	23.2	22.2	20.8	18.5	20.0	22.2	23.0	24.2							
115	27.5	28.0	26.3	25.5	23.8	22.6	21.5	19.5	21.0	23.1	23.8	24.8							
120	27.9	28.4	26.7	25.9	24.4	23.3	22.0	20.5	22.0	23.7	24.6	25.6							
125	28.1	28.8	27.2	26.2	25.1	24.0	22.7	21.5	23.1	24.5	25.4	26.3							
130	28.3	29.2	27.7	26.6	25.7	24.6	23.3	22.4	23.9	25.1	26.1	26.9							
135	28.6	29.6	28.1	27.0	26.3	25.1	23.8	23.1	24.7	25.5	26.6	27.6							
140	28.9	29.9	28.3	27.1	26.7	25.3	24.3	23.6	25.2	25.8	26.8	27.9							
145	28.9	29.9	28.3	27.0	26.6	25.4	24.6	23.9	25.3	25.8	26.7	27.8							
150	28.7	29.6	28.0	26.8	26.4	25.2	24.8	24.0	25.3	25.9	26.5	27.5							
155	28.5	29.1	27.6	26.7	26.0	25.0	25.2	24.0	25.0	26.0	26.1	27.0							
160	28.3	28.3	26.9	26.5	25.5	24.6	25.4	23.8	24.5	26.0	25.6	26.4							
165	27.9	27.4	26.1	26.3	24.9	24.1	25.5	23.7	24.0	25.6	24.9	25.6							
170	29.0	29.0	27.9	28.0	27.6	26.7	28.2	26.6	27.4	27.6	26.9	27.7							
175	30.2	30.0	28.5	29.3	29.0	27.8	29.7	28.2	28.7	29.0	27.8	28.9							
180	30.6	29.4	28.9	29.9	28.6	28.6	30.6	29.4	28.9	29.9	28.7	28.6							

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: