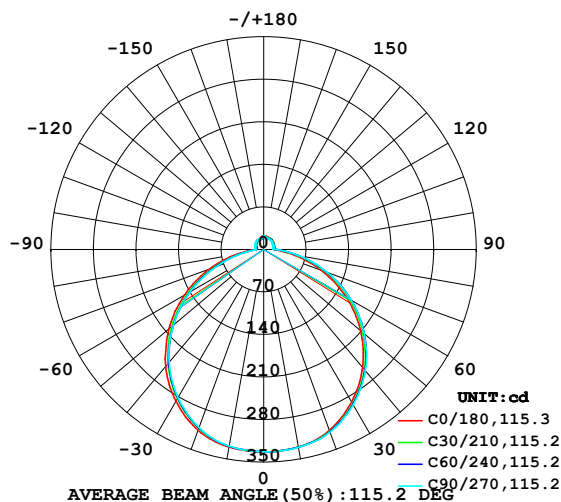


LUMINAIRE PHOTOMETRIC TEST REPORT

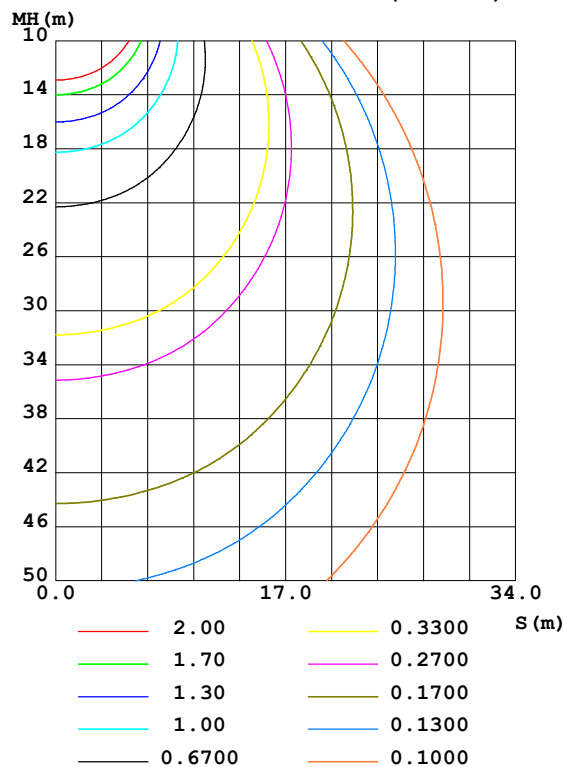
Test:U:120.5V I:0.2470A P:26.00W PF:0.8720 Freq:60.00Hz Lamp Flux:1107.96x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 42.61 lm/W			
MODEL		I _{max} (cd)	333.4	S/MH (C0/180)	1.28
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1108.0	η UP, DN (C0-180)	5.0, 46.9
NOMINAL FLUX (lm)	1107.96	CIE CLASS	DIRECT	η UP, DN (C180-360)	4.7, 43.4
LAMPS INSIDE	1	η up (%)	9.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	90.3	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: 2024-03-26

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	330.1	330.2	330.7	329.9	330.0	328.9	328.5	329.1	0- 10	31.62	31.62	2.85,2.85
20	316.8	318.8	319.9	317.5	316.4	312.8	311.8	314.1	10- 20	91.66	123.3	11.1,11.1
30	289.5	293.4	294.8	291.1	288.6	283.5	282.0	286.2	20- 30	139.9	263.2	23.8,23.8
40	253.2	258.6	260.3	255.1	251.2	244.3	242.3	248.3	30- 40	169.7	432.9	39.1,39.1
50	208.3	214.6	215.8	209.8	203.6	196.1	194.4	201.3	40- 50	176.9	609.8	55,55
60	156.9	164.4	166.0	158.6	151.1	142.4	140.3	148.6	50- 60	160.9	770.7	69.6,69.6
70	100.8	109.7	111.7	103.3	95.68	86.03	83.28	92.41	60- 70	124.5	895.2	80.8,80.8
80	47.89	55.99	58.03	50.56	43.06	35.06	32.93	40.37	70- 80	74.88	970.1	87.6,87.6
90	16.87	19.21	19.29	15.94	14.03	13.59	14.17	15.37	80- 90	29.89	1000	90.3,90.3
100	17.75	17.06	16.30	14.91	14.74	13.42	15.13	15.28	90-100	16.83	1017	91.8,91.8
110	17.55	16.86	16.36	15.02	14.98	14.21	15.63	15.96	100-110	16.39	1033	93.3,93.3
120	18.55	17.82	17.33	16.17	15.96	15.68	16.85	17.36	110-120	16.16	1049	94.7,94.7
130	19.46	19.03	18.31	17.51	17.17	17.14	17.88	18.70	120-130	15.71	1065	96.1,96.1
140	20.42	20.13	19.08	18.33	18.29	18.15	18.49	19.43	130-140	14.42	1080	97.4,97.4
150	20.88	20.55	19.25	18.46	18.86	18.35	18.67	19.36	140-150	12.05	1092	98.5,98.5
160	21.15	20.32	19.52	18.16	19.34	17.99	18.84	18.83	150-160	8.902	1100	99.3,99.3
170	21.95	21.06	20.64	19.79	21.48	20.34	20.43	20.05	160-170	5.441	1106	99.8,99.8
180	23.18	21.82	22.21	21.19	23.19	21.81	22.20	21.19	170-180	2.027	1108	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 521.99 lm

%lum = 47.1%

%lamp = 47.1%

Conical surface Flux(120deg): 770.73 lm

%lum = 69.6%

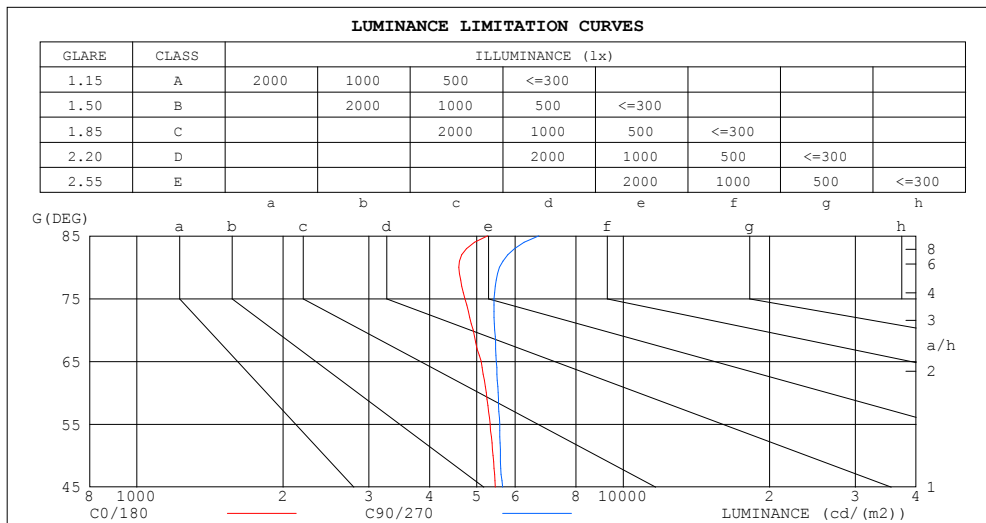
%lamp = 69.6%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-26

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:1107.96x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5264	6707
80	4596	5570
75	4730	5425
70	4914	5446
65	5108	5487
60	5230	5532
55	5326	5573
50	5402	5596
45	5461	5655

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-26

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:1107.96x1 lm					
NAME: DRF16-26DOB-95C-120D-BL 整灯 2700K			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	.318	.181	.057	.308	.176	.056	.289	.166	.053	.272	.157	.050	.256	.148	.048		
2.0	.294	.161	.049	.285	.157	.048	.268	.149	.046	.253	.142	.044	.238	.135	.043		
3.0	.270	.144	.043	.262	.140	.042	.247	.134	.041	.233	.128	.039	.220	.122	.038		
4.0	.249	.129	.038	.241	.126	.037	.228	.121	.036	.215	.115	.035	.203	.110	.034		
5.0	.229	.117	.034	.223	.114	.033	.210	.110	.032	.199	.105	.031	.188	.101	.030		
6.0	.212	.106	.030	.206	.104	.030	.195	.100	.029	.185	.096	.028	.175	.092	.027		
7.0	.197	.098	.028	.192	.096	.027	.182	.092	.026	.172	.088	.026	.163	.085	.025		
8.0	.184	.090	.025	.179	.088	.025	.170	.085	.024	.161	.082	.024	.153	.079	.023		
9.0	.172	.083	.023	.168	.082	.023	.160	.079	.022	.152	.076	.022	.144	.073	.021		
10.0	.162	.078	.022	.158	.076	.021	.150	.074	.021	.143	.071	.020	.136	.068	.020		

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	.265	.265	.265	.226	.226	.226	.154	.154	.154	.089	.089	.089	.028	.028	.028	
1.0	.256	.231	.209	.219	.198	.179	.150	.136	.124	.086	.079	.072	.028	.025	.023	
2.0	.248	.207	.173	.212	.178	.150	.146	.123	.104	.084	.072	.061	.027	.023	.020	
3.0	.240	.190	.150	.206	.164	.130	.141	.114	.091	.082	.067	.054	.026	.022	.018	
4.0	.233	.177	.134	.200	.153	.117	.137	.107	.082	.079	.062	.049	.026	.020	.016	
5.0	.225	.167	.124	.194	.144	.108	.133	.101	.076	.077	.059	.045	.025	.019	.015	
6.0	.218	.159	.116	.188	.137	.101	.129	.096	.071	.075	.057	.042	.024	.019	.014	
7.0	.212	.152	.110	.182	.132	.096	.126	.092	.068	.073	.054	.040	.024	.018	.013	
8.0	.205	.146	.106	.177	.127	.092	.122	.089	.065	.071	.053	.039	.023	.017	.013	
9.0	.199	.141	.102	.172	.123	.089	.119	.086	.063	.069	.051	.038	.022	.017	.013	
10.0	.194	.137	.100	.167	.119	.087	.116	.084	.062	.068	.050	.037	.022	.016	.012	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-03-26

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:1107.96x1 lm											
NAME: DRF16-26DOB-95C-120D-BL 整灯 2700K					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		18.0	19.4	18.4	19.7	20.1	18.2	19.6	18.6	19.9	20.3
	3H	19.6	20.8	20.0	21.2	21.7	19.9	21.2	20.3	21.6	22.0
	4H	20.2	21.4	20.7	21.9	22.3	20.6	21.9	21.1	22.3	22.7
	6H	20.8	21.9	21.2	22.3	22.8	21.3	22.4	21.7	22.9	23.3
	8H	21.0	22.1	21.4	22.5	23.0	21.5	22.6	22.0	23.1	23.6
	12H	21.1	22.2	21.6	22.7	23.2	21.8	22.9	22.3	23.3	23.8
4H	2H	18.6	19.9	19.1	20.3	20.7	18.8	20.0	19.2	20.4	20.9
	3H	20.4	21.5	20.9	22.0	22.5	20.7	21.7	21.2	22.2	22.7
	4H	21.2	22.2	21.8	22.7	23.2	21.6	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	24.3
	8H	22.2	23.0	22.7	23.5	24.1	22.7	23.5	23.3	24.0	24.6
	12H	22.4	23.2	23.0	23.7	24.3	23.0	23.8	23.6	24.3	24.9
8H	4H	21.6	22.4	22.1	22.9	23.5	21.9	22.7	22.4	23.2	23.8
	6H	22.5	23.1	23.0	23.7	24.3	22.9	23.5	23.4	24.1	24.7
	8H	22.8	23.4	23.5	24.0	24.7	23.3	23.9	23.9	24.5	25.2
	12H	23.2	23.7	23.8	24.3	25.0	23.8	24.3	24.4	24.9	25.6
12H	4H	21.6	22.4	22.2	22.9	23.5	21.9	22.6	22.5	23.2	23.8
	6H	22.6	23.2	23.2	23.7	24.4	22.9	23.5	23.6	24.1	24.8
	8H	23.0	23.5	23.6	24.1	24.8	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, 1108 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.4$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-03-26

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:1107.96x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

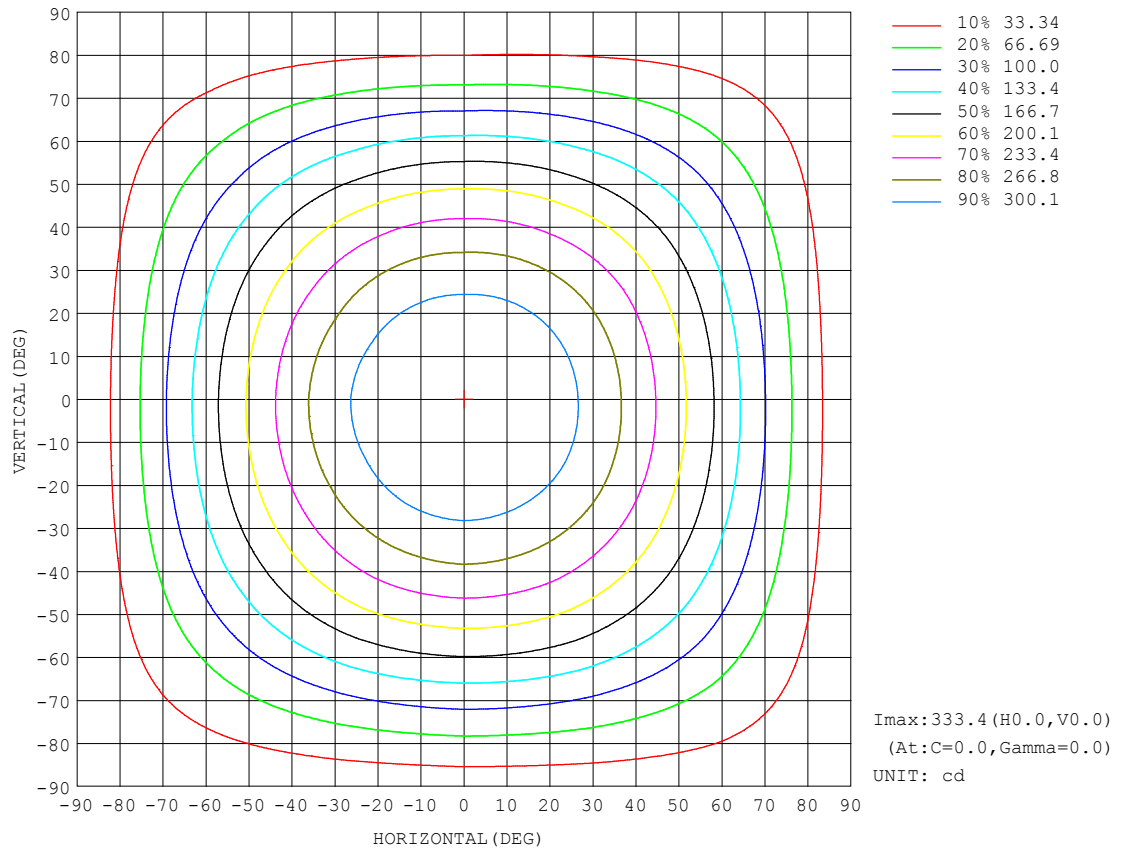
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	51	41	35	28
0.80	64	52	45	62	51	44	60	50	43	36
1.00	72	61	53	70	60	53	67	60	52	44
1.25	79	68	61	77	67	60	73	65	59	50
1.50	84	74	66	82	72	66	78	70	64	55
2.00	91	82	75	89	80	74	84	77	72	62
2.50	95	87	80	92	85	79	87	81	76	66
3.00	99	91	85	96	89	84	90	85	80	69
4.00	103	97	92	100	94	89	94	89	86	74
5.00	105	100	96	102	97	93	96	92	89	77
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:2024-03-26

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:1107.96x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

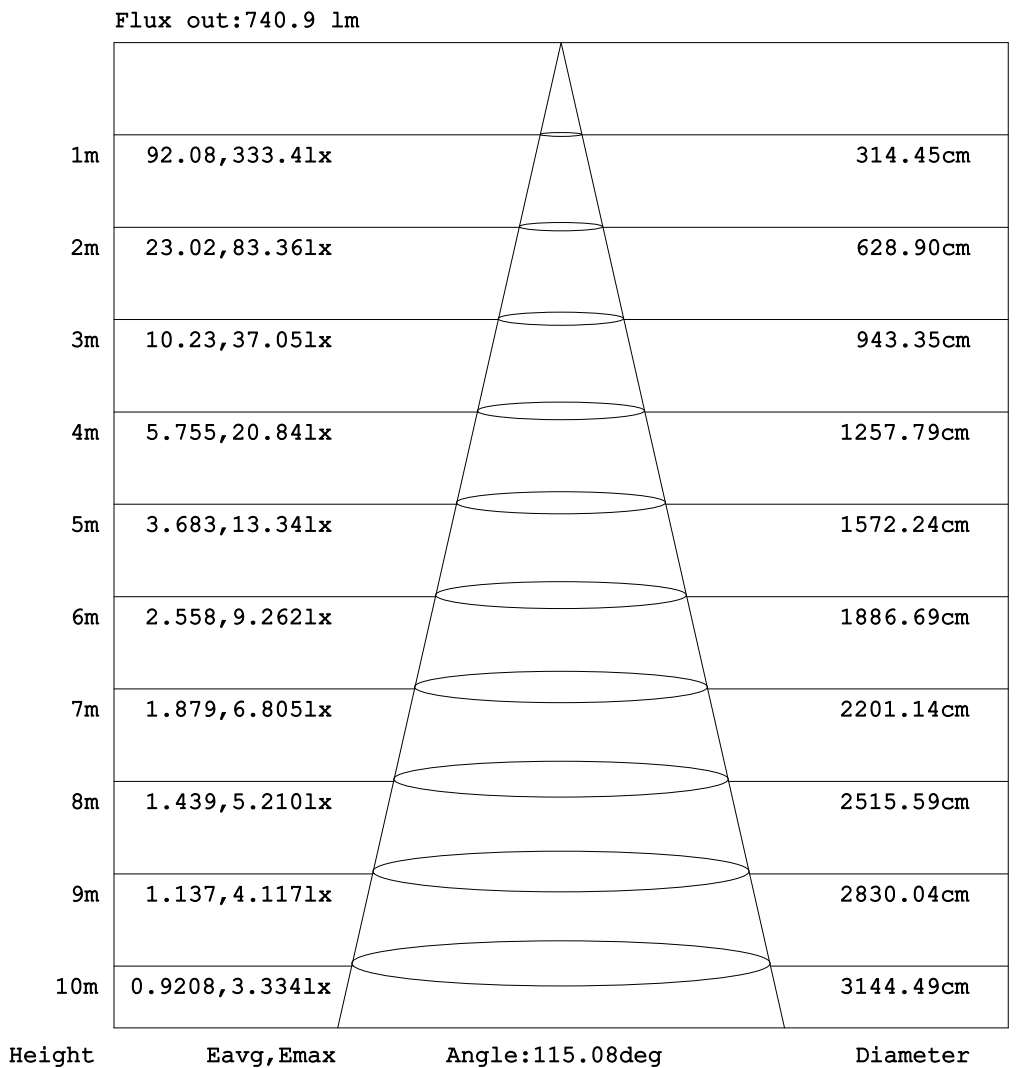


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-26

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:1107.96x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:16寸	Shielding Angle:

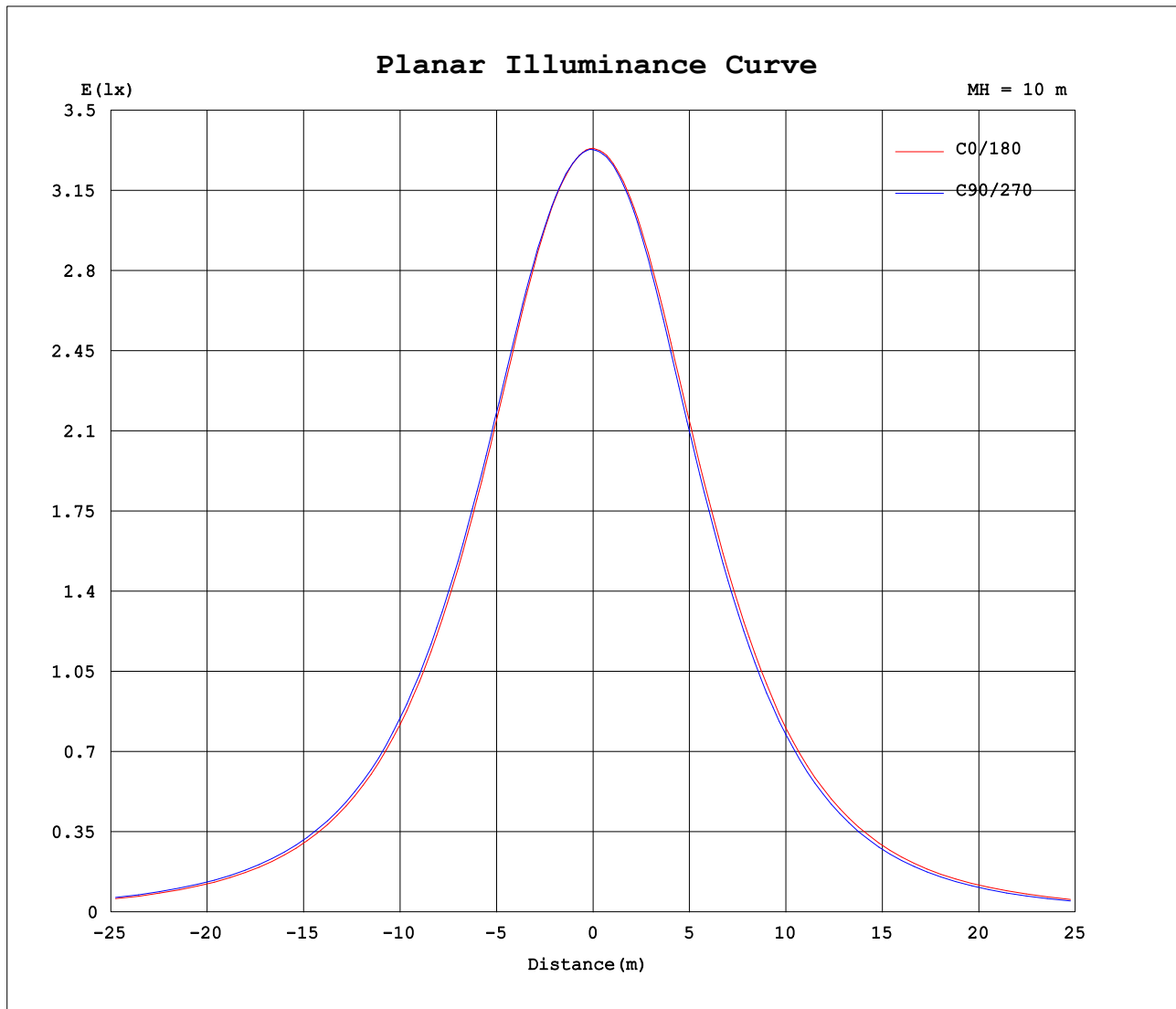


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-03-26

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: 2024-03-26

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:1107.96x1 lm		
NAME: DRF16-26DOB-95C-120D-BL 整灯 2700K	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	333	333	333	333	333	333	333	333	333	333	333	333							
5	332	332	332	332	332	332	332	332	332	332	332	332							
10	330	330	330	331	330	330	330	329	329	329	329	329							
15	325	326	326	327	326	325	325	323	323	322	323	324							
20	317	318	319	320	318	317	316	313	312	312	313	315							
25	304	307	308	309	307	305	304	300	299	298	300	303							
30	290	293	294	295	292	290	289	284	283	282	285	288							
35	273	276	278	279	276	273	271	266	264	263	266	270							
40	253	258	259	260	257	253	251	245	243	242	246	250							
45	232	236	239	240	236	230	227	222	219	219	222	228							
50	208	213	216	216	213	207	204	198	194	194	198	205							
55	183	189	192	192	188	182	178	172	168	168	172	179							
60	157	163	166	166	162	155	151	144	141	140	145	152							
65	130	136	139	139	135	128	124	115	113	111	117	125							
70	101	108	111	112	107	100	95.7	87.4	84.7	83.3	88.9	95.9							
75	73.5	80.8	83.7	84.2	79.3	72.9	68.4	60.5	58.0	56.4	61.9	68.5							
80	47.9	54.7	57.3	58.0	53.5	47.6	43.1	36.2	34.0	32.9	37.5	43.3							
85	27.5	32.6	34.6	35.1	31.5	26.8	23.2	18.5	17.3	17.1	20.1	24.0							
90	16.9	18.9	19.5	19.3	17.1	14.8	14.0	13.6	13.6	14.2	14.9	15.8							
95	17.3	17.2	16.7	15.7	15.2	14.7	14.4	13.9	13.8	14.6	15.3	16.0							
100	17.7	17.3	16.9	16.3	15.1	14.7	14.7	13.4	13.5	15.1	15.0	15.5							
105	17.8	16.9	16.5	16.5	14.9	14.5	14.9	13.5	13.8	15.3	15.1	15.7							
110	17.6	17.1	16.6	16.4	15.3	14.7	15.0	14.1	14.3	15.6	15.7	16.2							
115	18.1	17.5	17.0	16.8	15.8	15.2	15.5	14.8	15.1	16.3	16.4	16.9							
120	18.6	18.1	17.5	17.3	16.5	15.8	16.0	15.5	15.9	16.8	17.2	17.6							
125	19.0	18.7	18.1	17.8	17.2	16.5	16.5	16.2	16.7	17.4	17.9	18.2							
130	19.5	19.3	18.8	18.3	17.8	17.2	17.2	16.9	17.4	17.9	18.5	18.9							
135	19.9	19.9	19.4	18.8	18.4	17.6	17.8	17.5	18.0	18.3	18.9	19.4							
140	20.4	20.5	19.8	19.1	18.8	17.9	18.3	17.9	18.4	18.5	19.1	19.8							
145	20.8	20.8	20.0	19.2	18.9	18.0	18.6	18.2	18.5	18.5	19.1	19.9							
150	20.9	21.0	20.1	19.3	18.9	18.0	18.9	18.2	18.4	18.7	18.9	19.8							
155	21.0	21.0	20.0	19.4	18.8	17.9	19.1	18.2	18.3	18.8	18.8	19.5							
160	21.1	20.8	19.9	19.5	18.6	17.7	19.3	18.1	17.9	18.8	18.5	19.2							
165	21.1	20.4	19.5	19.5	18.2	17.5	19.5	18.0	17.7	18.6	18.1	18.7							
170	21.9	21.5	20.7	20.6	20.2	19.4	21.5	20.2	20.5	20.4	19.7	20.4							
175	22.9	22.3	21.2	21.7	21.4	20.5	22.6	21.3	21.5	21.6	20.6	21.4							
180	23.2	22.1	21.6	22.2	21.2	21.2	23.2	22.0	21.6	22.2	21.2	21.2							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-03-26

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: