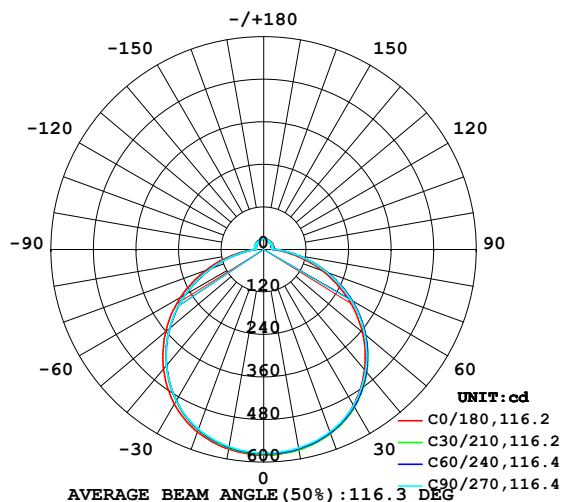


LUMINAIRE PHOTOMETRIC TEST REPORT

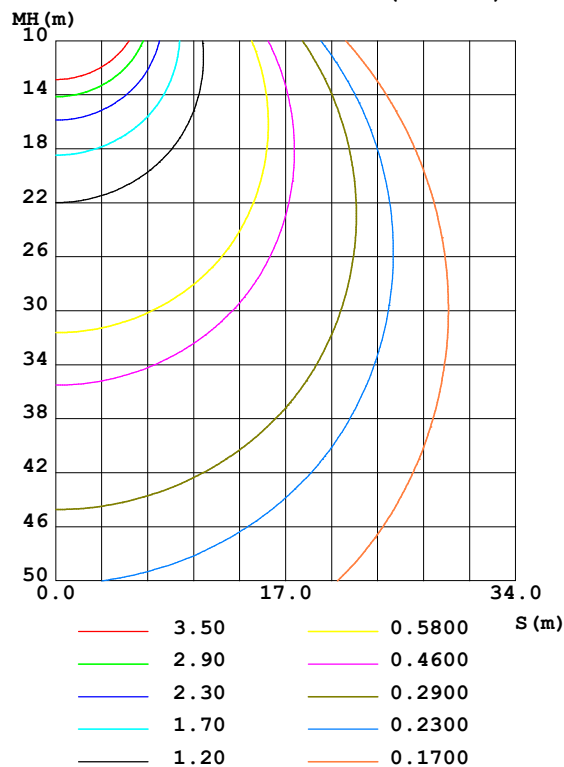
Test:U:120.5V I:0.3330A P:33.40W PF:0.8310 Freq:60.00Hz Lamp Flux:1918.1x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.43 lm/W			
MODEL		I _{max} (cd)	580.0	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1918.1	η UP, DN (C0-180)	4.3, 46.9
NOMINAL FLUX (lm)	1918.1	CIE CLASS	DIRECT	η UP, DN (C180-360)	4.4, 44.4
LAMPS INSIDE	1	η up (%)	8.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	91.3	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: 2024-04-08

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	572.9	572.2	568.3	564.5	571.4	567.3	565.0	564.9	0- 10	54.58	54.58	2.85,2.85
20	549.7	551.6	547.2	541.6	547.8	541.2	539.2	541.2	10- 20	157.7	212.3	11.1,11.1
30	506.7	512.3	508.0	500.0	503.7	493.4	492.8	497.1	20- 30	242.3	454.6	23.7,23.7
40	442.6	451.5	447.0	437.7	439.6	427.2	426.7	433.3	30- 40	295.1	749.8	39.1,39.1
50	363.8	375.4	372.0	361.2	361.0	346.6	346.6	354.9	40- 50	309.0	1059	55.2,55.2
60	273.4	287.6	285.1	273.5	271.4	255.1	255.2	264.6	50- 60	282.8	1342	69.9,69.9
70	176.6	191.2	189.3	179.6	174.7	158.5	158.6	167.8	60- 70	220.2	1562	81.4,81.4
80	84.57	97.99	98.10	89.91	84.19	70.21	69.18	77.34	70- 80	135.1	1697	88.5,88.5
90	27.29	31.01	31.77	28.70	26.44	24.53	24.06	24.45	80- 90	55.21	1752	91.3,91.3
100	27.20	24.57	24.72	24.62	25.43	24.88	25.12	24.28	90-100	27.21	1779	92.8,92.8
110	27.65	23.88	25.65	24.17	26.15	25.06	25.66	24.27	100-110	26.34	1806	94.1,94.1
120	27.79	24.96	25.64	25.33	26.84	26.65	26.52	25.87	110-120	25.25	1831	95.5,95.5
130	28.69	26.37	26.55	26.71	28.11	28.10	27.64	27.36	120-130	23.94	1855	96.7,96.7
140	29.06	27.41	27.15	27.51	28.75	28.85	27.87	27.92	130-140	21.49	1876	97.8,97.8
150	28.95	27.74	27.48	27.72	28.95	28.95	28.01	27.71	140-150	17.65	1894	98.7,98.7
160	28.99	27.54	27.90	27.44	29.37	28.47	28.13	27.12	150-160	12.99	1907	99.4,99.4
170	31.68	30.15	30.97	29.87	31.60	30.99	31.02	30.00	160-170	8.233	1915	99.8,99.8
180	32.87	31.60	32.41	30.91	33.07	31.55	32.28	30.92	170-180	2.964	1918	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 905.05 lm

%lum = 47.2%

%lamp = 47.2%

Conical surface Flux(120deg): 1341.5 lm

%lum = 69.9%

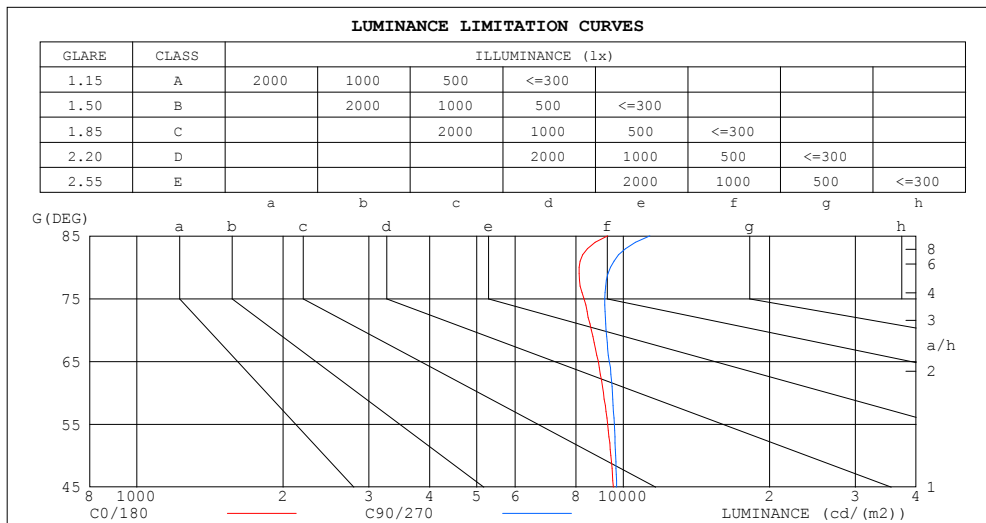
%lamp = 69.9%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

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:0.3330A P:33.40W PF:0.8310 Freq:60.00Hz Lamp Flux:1918.1x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9290	11356
80	8117	9415
75	8311	9168
70	8606	9226
65	8888	9369
60	9114	9504
55	9296	9597
50	9433	9644
45	9544	9694

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

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:0.3330A P:33.40W PF:0.8310 Freq:60.00Hz Lamp Flux:1918.1x1 lm									
NAME: DRF19-34DOB-95C-120D-BL 整灯 3000K					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.: 革星					SUR.:19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	.322	.183	.058	.312	.178	.057	.294	.168	.054	.277	.160	.051	.262	.152	.049		
2.0	.297	.163	.050	.288	.159	.049	.272	.151	.047	.257	.144	.045	.243	.137	.043		
3.0	.273	.145	.043	.265	.142	.043	.250	.136	.041	.237	.130	.040	.224	.124	.038		
4.0	.250	.130	.038	.243	.127	.038	.230	.122	.036	.218	.117	.035	.207	.112	.034		
5.0	.231	.118	.034	.224	.115	.034	.213	.111	.033	.202	.106	.032	.191	.102	.031		
6.0	.213	.107	.031	.208	.105	.030	.197	.101	.029	.187	.097	.029	.178	.094	.028		
7.0	.198	.098	.028	.193	.096	.027	.184	.093	.027	.174	.089	.026	.166	.086	.025		
8.0	.185	.090	.025	.180	.089	.025	.172	.086	.024	.163	.083	.024	.155	.080	.023		
9.0	.173	.084	.023	.169	.082	.023	.161	.080	.023	.153	.077	.022	.146	.074	.021		
10.0	.163	.078	.022	.159	.077	.021	.151	.074	.021	.144	.072	.020	.138	.069	.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	.256	.256	.256	.219	.219	.219	.150	.150	.150	.086	.086	.086	.027	.027	.027	
1.0	.248	.223	.200	.212	.191	.172	.145	.131	.119	.083	.076	.069	.027	.024	.022	
2.0	.240	.199	.164	.205	.171	.142	.141	.118	.099	.081	.069	.058	.026	.022	.019	
3.0	.232	.182	.141	.199	.157	.122	.137	.109	.086	.079	.064	.051	.025	.021	.017	
4.0	.225	.169	.126	.193	.146	.109	.133	.102	.077	.077	.059	.046	.025	.019	.015	
5.0	.217	.158	.115	.187	.137	.100	.129	.096	.071	.074	.056	.042	.024	.018	.014	
6.0	.210	.150	.107	.181	.130	.093	.125	.091	.066	.072	.054	.039	.023	.018	.013	
7.0	.203	.144	.101	.175	.124	.088	.121	.087	.063	.070	.051	.037	.023	.017	.012	
8.0	.197	.138	.097	.170	.120	.085	.117	.084	.060	.068	.050	.036	.022	.016	.012	
9.0	.191	.133	.094	.165	.115	.082	.114	.081	.058	.066	.048	.035	.022	.016	.011	
10.0	.185	.129	.091	.160	.112	.079	.111	.079	.056	.065	.047	.034	.021	.015	.011	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

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:0.3330A P:33.40W PF:0.8310 Freq:60.00Hz Lamp Flux:1918.1x1 lm											
NAME: DRF19-34DOB-95C-120D-BL 整灯 3000K						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: 革星						SUR.:19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		18.1	19.5	18.5	19.9	20.2	18.2	19.6	18.6	20.0	20.3
	3H	19.7	21.0	20.1	21.4	21.8	19.9	21.2	20.3	21.5	22.0
	4H	20.3	21.6	20.8	22.0	22.4	20.6	21.8	21.0	22.2	22.7
	6H	20.9	22.0	21.3	22.5	22.9	21.2	22.4	21.7	22.8	23.3
	8H	21.1	22.2	21.5	22.6	23.1	21.5	22.6	22.0	23.0	23.5
	12H	21.3	22.3	21.7	22.8	23.3	21.7	22.8	22.2	23.3	23.7
4H	2H	18.7	20.0	19.2	20.4	20.8	18.8	20.1	19.3	20.5	20.9
	3H	20.5	21.6	21.0	22.1	22.5	20.7	21.8	21.2	22.2	22.7
	4H	21.4	22.3	21.9	22.8	23.3	21.6	22.6	22.1	23.0	23.5
	6H	22.0	22.9	22.6	23.4	24.0	22.3	23.2	22.9	23.7	24.3
	8H	22.3	23.1	22.9	23.6	24.2	22.7	23.5	23.2	24.0	24.6
	12H	22.6	23.3	23.1	23.8	24.4	23.0	23.7	23.6	24.3	24.9
8H	4H	21.7	22.5	22.2	23.0	23.6	21.9	22.7	22.4	23.2	23.8
	6H	22.6	23.3	23.2	23.8	24.4	22.9	23.5	23.4	24.1	24.7
	8H	23.0	23.6	23.6	24.2	24.8	23.3	23.9	23.9	24.5	25.1
	12H	23.4	23.9	24.0	24.5	25.1	23.8	24.3	24.4	24.9	25.5
12H	4H	21.7	22.5	22.3	23.0	23.6	21.9	22.7	22.5	23.2	23.8
	6H	22.7	23.3	23.3	23.9	24.5	22.9	23.5	23.5	24.1	24.7
	8H	23.2	23.7	23.8	24.3	24.9	23.5	24.0	24.1	24.6	25.2
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, 1918 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.3$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-08

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:0.3330A P:33.40W PF:0.8310 Freq:60.00Hz Lamp Flux:1918.1x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

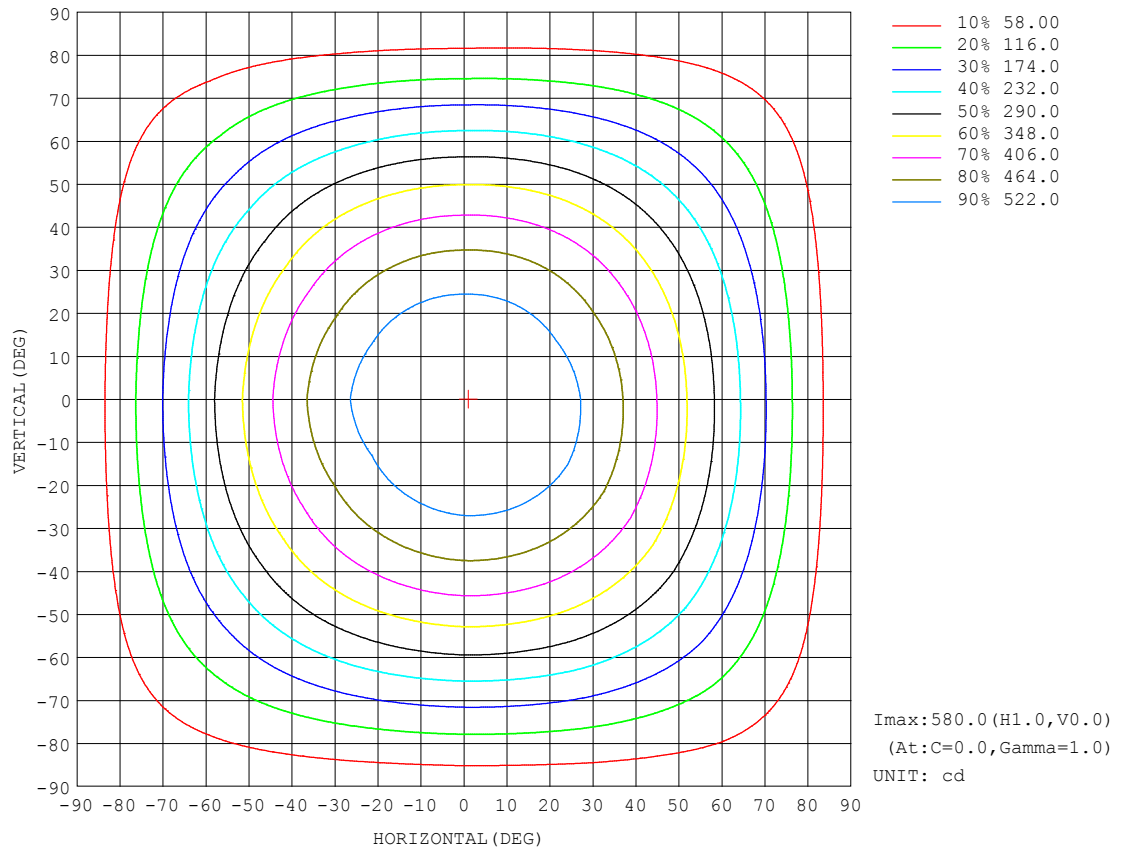
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	51	41	35	28
0.80	64	52	44	63	51	44	60	50	43	36
1.00	72	61	53	71	60	53	68	60	52	44
1.25	79	68	61	77	67	60	74	65	59	50
1.50	84	74	66	82	73	66	78	70	64	55
2.00	91	82	75	89	80	74	84	77	72	62
2.50	95	87	80	93	85	79	88	81	76	66
3.00	99	91	85	96	89	84	91	85	81	70
4.00	103	97	92	100	94	90	94	90	86	74
5.00	106	100	96	102	98	93	96	93	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: 2024-04-08

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:0.3330A P:33.40W PF:0.8310 Freq:60.00Hz Lamp Flux:1918.1x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

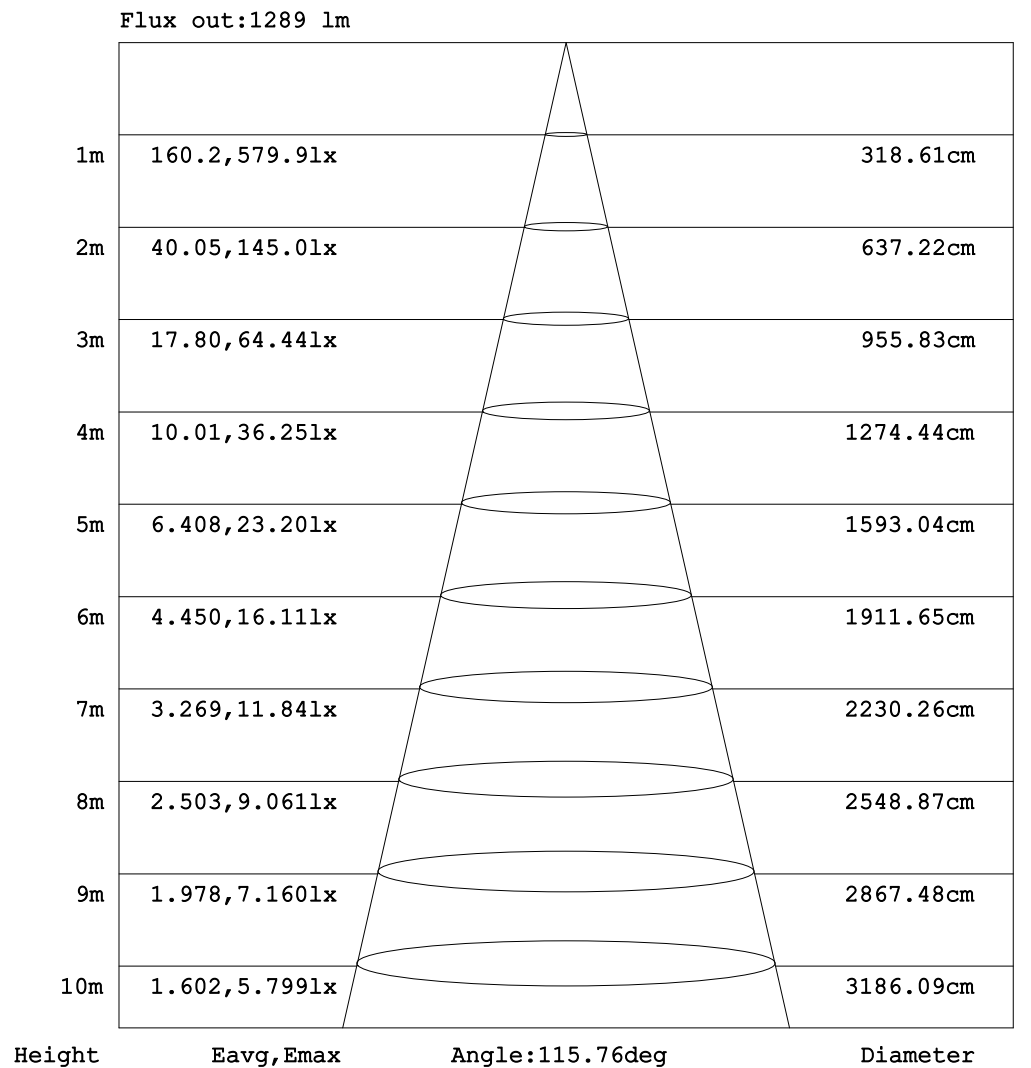


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

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:0.3330A P:33.40W PF:0.8310 Freq:60.00Hz Lamp Flux:1918.1x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

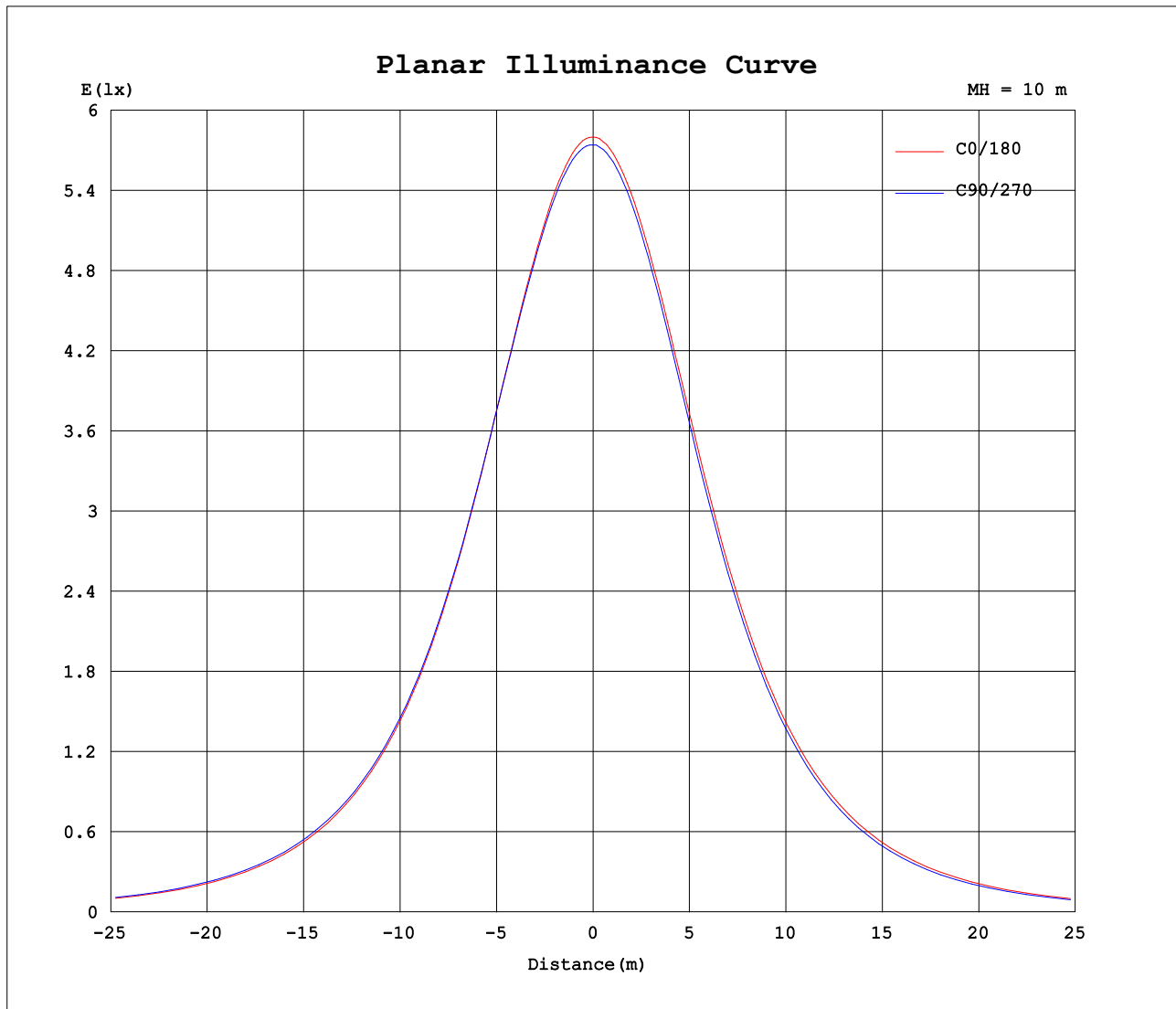


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-08

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: 2024-04-08

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:0.3330A P:33.40W PF:0.8310 Freq:60.00Hz Lamp Flux:1918.1x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	580	579	576	574	573	572	580	579	576	574	573	572							
5	578	578	575	573	571	569	578	575	573	571	571	570							
10	573	574	571	568	565	564	571	568	566	565	565	565							
15	563	565	562	560	556	554	562	557	556	554	555	555							
20	550	553	550	547	543	540	548	542	540	539	541	542							
25	532	536	533	531	526	522	529	521	520	519	521	523							
30	507	513	512	508	503	497	504	495	492	493	496	498							
35	477	485	483	480	474	468	474	463	461	462	466	469							
40	443	452	451	447	440	435	440	428	426	427	432	435							
45	405	416	415	411	404	398	402	389	388	388	394	398							
50	364	376	375	372	365	358	361	347	346	347	353	357							
55	320	333	333	330	322	315	317	303	302	302	309	313							
60	273	287	288	285	277	270	271	256	254	255	262	267							
65	225	239	241	238	231	222	222	208	205	207	213	219							
70	177	190	193	189	183	176	175	160	157	159	164	171							
75	129	141	145	142	137	131	128	113	111	111	118	124							
80	84.6	97.0	99.0	98.1	92.8	87.0	84.2	71.3	69.1	69.2	74.6	80.1							
85	48.6	57.1	59.6	59.4	55.3	51.3	48.3	39.1	37.2	37.1	40.7	44.7							
90	27.3	30.5	31.5	31.8	29.7	27.7	26.4	24.7	24.4	24.1	24.2	24.7							
95	26.5	24.3	23.9	24.0	24.2	24.1	24.8	25.2	24.8	24.5	24.5	24.6							
100	27.2	24.8	24.4	24.7	24.8	24.4	25.4	25.2	24.6	25.1	24.3	24.3							
105	27.7	24.4	23.8	25.4	24.7	23.8	26.0	24.7	24.4	25.6	23.8	23.9							
110	27.7	24.3	23.5	25.7	24.4	23.9	26.1	25.1	25.0	25.7	24.3	24.3							
115	27.4	24.7	23.9	25.5	24.8	24.5	26.2	25.9	25.7	26.0	25.1	25.0							
120	27.8	25.3	24.6	25.6	25.4	25.2	26.8	26.8	26.5	26.5	25.9	25.8							
125	28.2	26.0	25.3	26.1	26.1	26.0	27.5	27.6	27.3	27.1	26.7	26.6							
130	28.7	26.7	26.1	26.5	26.7	26.7	28.1	28.3	27.9	27.6	27.4	27.3							
135	29.0	27.3	26.7	26.9	27.3	27.2	28.6	28.7	28.4	27.9	27.7	27.8							
140	29.1	27.8	27.0	27.1	27.6	27.4	28.8	29.0	28.7	27.9	27.9	27.9							
145	29.1	28.1	27.1	27.3	27.8	27.5	28.8	29.1	28.9	27.9	27.8	27.9							
150	29.0	28.2	27.3	27.5	27.9	27.5	29.0	29.0	28.9	28.0	27.6	27.8							
155	28.9	28.1	27.3	27.7	27.8	27.5	29.2	28.8	28.7	28.1	27.4	27.4							
160	29.0	27.9	27.2	27.9	27.6	27.3	29.4	28.5	28.4	28.1	27.1	27.1							
165	30.1	28.9	28.4	29.0	29.1	28.7	30.6	30.1	30.3	29.7	28.6	28.8							
170	31.7	30.7	29.6	31.0	30.4	29.3	31.6	30.5	31.5	31.0	29.7	30.3							
175	32.4	31.4	30.8	31.8	30.7	30.2	32.4	31.0	31.5	31.8	30.5	30.4							
180	32.9	31.6	31.6	32.4	31.0	30.9	33.1	31.4	31.7	32.3	31.1	30.8							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

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: