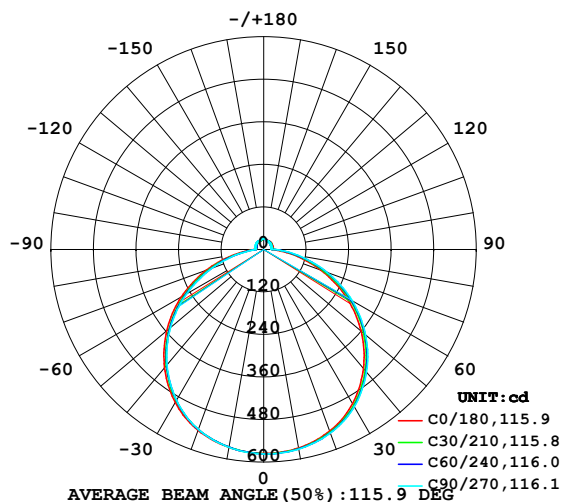


LUMINAIRE PHOTOMETRIC TEST REPORT

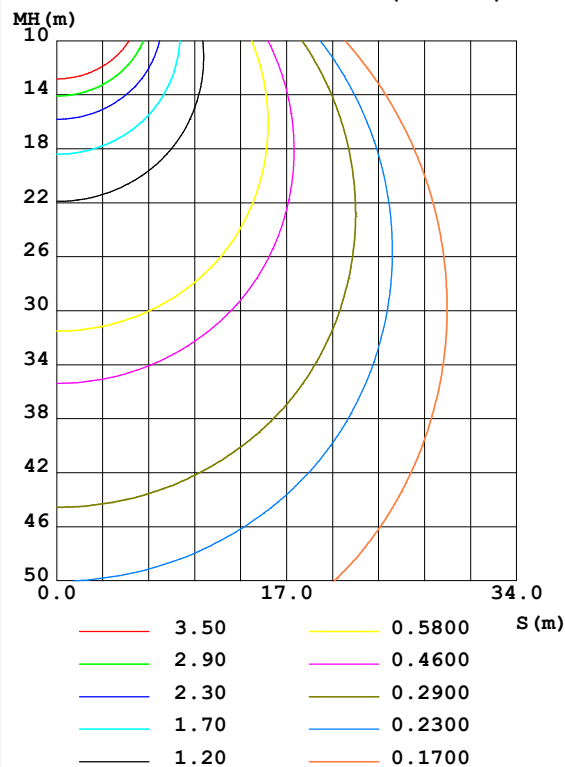
Test:U:120.6V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1907.62x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 58.52 lm/W			
MODEL		I _{max} (cd)	577.1	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1907.6	η UP, DN (C0-180)	4.0, 47.2
NOMINAL FLUX (lm)	1907.62	CIE CLASS	DIRECT	η UP, DN (C180-360)	4.4, 44.4
LAMPS INSIDE	1	η up (%)	8.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	91.6	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: 2024-04-10

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	568.4	570.7	571.9	570.4	566.9	566.0	566.5	568.5	0- 10	54.66	54.66	2.87,2.87
20	545.1	549.4	551.0	548.2	542.9	540.0	539.8	543.0	10- 20	157.9	212.5	11.1,11.1
30	501.9	509.3	511.4	507.5	498.7	493.1	491.6	496.9	20- 30	242.4	455.0	23.9,23.9
40	438.0	447.6	451.0	445.6	435.3	427.1	424.7	430.9	30- 40	295.0	749.9	39.3,39.3
50	359.3	370.9	375.5	369.0	357.6	347.0	343.5	350.7	40- 50	308.5	1058	55.5,55.5
60	269.0	282.3	288.4	281.0	268.8	256.4	251.4	259.3	50- 60	281.9	1340	70.3,70.3
70	172.7	185.8	191.1	185.8	173.1	160.1	155.1	162.3	60- 70	219.1	1560	81.8,81.8
80	81.55	93.17	98.71	93.98	83.58	71.85	66.80	73.14	70- 80	134.0	1693	88.8,88.8
90	25.27	28.17	30.22	28.31	25.49	23.77	24.53	25.61	80- 90	54.20	1748	91.6,91.6
100	25.31	23.07	21.85	21.60	23.89	23.78	25.72	25.71	90-100	26.06	1774	93,93
110	25.73	22.49	22.70	21.36	24.43	24.14	26.23	25.76	100-110	25.10	1799	94.3,94.3
120	26.07	23.69	23.20	22.72	25.28	25.80	27.14	27.28	110-120	24.22	1823	95.6,95.6
130	27.15	25.20	24.34	24.35	26.54	27.30	28.14	28.63	120-130	23.09	1846	96.8,96.8
140	27.58	26.32	25.28	25.48	27.16	28.03	28.33	28.98	130-140	20.80	1867	97.9,97.9
150	27.51	26.75	25.85	26.06	27.41	28.09	28.30	28.54	140-150	17.13	1884	98.8,98.8
160	27.61	26.59	26.55	26.17	27.78	27.55	28.23	27.72	150-160	12.62	1897	99.4,99.4
170	30.32	29.19	29.96	29.15	29.96	30.00	30.63	30.04	160-170	8.009	1905	99.8,99.8
180	31.47	30.62	31.71	30.59	31.44	30.66	31.71	30.62	170-180	2.889	1908	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 905.03 lm

%lum = 47.4%

%lamp = 47.4%

Conical surface Flux(120deg): 1340.4 lm

%lum = 70.3%

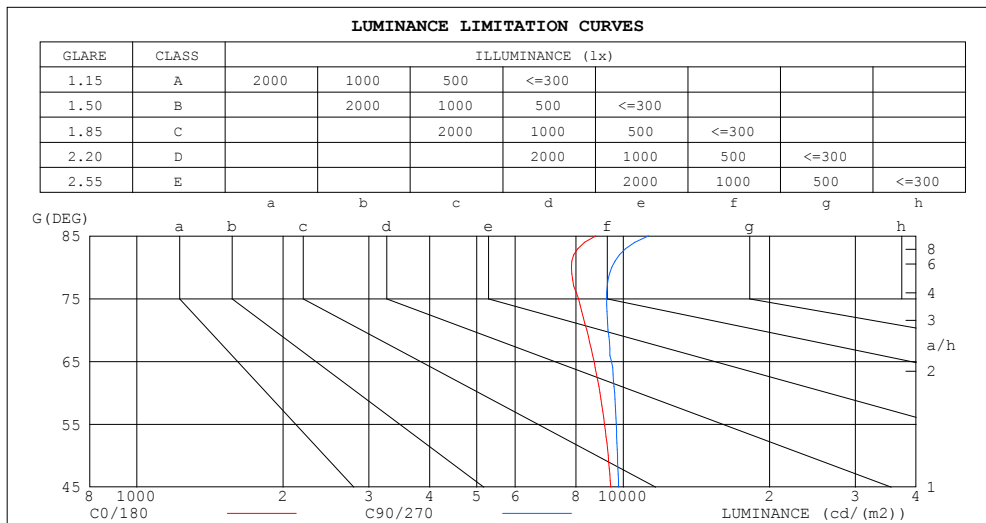
%lamp = 70.3%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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:120.6V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1907.62x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8789	11283
80	7827	9474
75	8090	9248
70	8416	9310
65	8713	9456
60	8965	9612
55	9156	9678
50	9316	9736
45	9430	9781

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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:120.6V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1907.62x1 lm					
NAME: DRF19-34DOB-95C-120D-BL 整灯 5000K			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	.321	.183	.058	.311	.178	.056	.293	.168	.054	.277	.160	.051	.261	.152	.049	
2.0	.297	.163	.050	.288	.159	.049	.272	.151	.047	.257	.144	.045	.243	.138	.043	
3.0	.272	.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	.192	.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	.175	.090	.026	.166	.086	.025	
8.0	.185	.090	.025	.180	.089	.025	.172	.086	.024	.163	.083	.024	.156	.080	.023	
9.0	.173	.084	.023	.169	.082	.023	.161	.080	.023	.154	.077	.022	.146	.074	.021	
10.0	.163	.078	.022	.159	.077	.021	.152	.074	.021	.145	.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	.254	.254	.254	.217	.217	.217	.148	.148	.148	.085	.085	.085	.027	.027	.027	
1.0	.245	.220	.198	.210	.189	.170	.144	.130	.118	.083	.075	.068	.026	.024	.022	
2.0	.238	.197	.162	.204	.169	.140	.140	.117	.098	.080	.068	.057	.026	.022	.019	
3.0	.230	.179	.139	.197	.155	.121	.135	.108	.085	.078	.063	.050	.025	.020	.016	
4.0	.223	.166	.124	.191	.144	.107	.131	.100	.076	.076	.059	.045	.024	.019	.015	
5.0	.215	.156	.113	.185	.135	.098	.127	.094	.069	.074	.055	.041	.024	.018	.014	
6.0	.208	.148	.105	.179	.128	.091	.123	.090	.065	.072	.053	.038	.023	.017	.013	
7.0	.201	.141	.099	.173	.123	.087	.120	.086	.061	.070	.051	.037	.022	.017	.012	
8.0	.195	.136	.095	.168	.118	.083	.116	.083	.059	.068	.049	.035	.022	.016	.012	
9.0	.189	.131	.092	.163	.114	.080	.113	.080	.057	.066	.047	.034	.021	.015	.011	
10.0	.183	.127	.089	.158	.110	.078	.110	.077	.055	.064	.046	.033	.021	.015	.011	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-10

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:120.6V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1907.62x1 lm											
NAME: DRF19-34DOB-95C-120D-BL 整灯 5000K						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		18.0	19.4	18.4	19.8	20.1	18.2	19.6	18.6	20.0	20.4
	3H	19.6	20.9	20.0	21.2	21.7	19.9	21.2	20.3	21.6	22.0
	4H	20.2	21.5	20.6	21.9	22.3	20.6	21.9	21.1	22.3	22.7
	6H	20.7	21.9	21.2	22.3	22.8	21.3	22.4	21.7	22.9	23.3
	8H	20.9	22.1	21.4	22.5	22.9	21.5	22.7	22.0	23.1	23.6
	12H	21.1	22.2	21.6	22.6	23.1	21.8	22.9	22.2	23.3	23.8
4H	2H	18.6	19.9	19.1	20.3	20.7	18.8	20.1	19.3	20.5	20.9
	3H	20.4	21.5	20.9	21.9	22.4	20.7	21.8	21.2	22.2	22.7
	4H	21.2	22.2	21.7	22.7	23.2	21.6	22.6	22.1	23.0	23.5
	6H	21.9	22.7	22.4	23.2	23.8	22.3	23.2	22.9	23.7	24.3
	8H	22.1	22.9	22.7	23.5	24.0	22.7	23.5	23.2	24.0	24.6
	12H	22.4	23.1	22.9	23.6	24.2	23.0	23.7	23.6	24.3	24.9
8H	4H	21.5	22.4	22.1	22.9	23.4	21.9	22.7	22.4	23.2	23.8
	6H	22.4	23.1	23.0	23.6	24.2	22.8	23.5	23.4	24.1	24.7
	8H	22.8	23.4	23.4	23.9	24.6	23.3	23.9	23.9	24.5	25.1
	12H	23.1	23.7	23.7	24.2	24.9	23.7	24.3	24.3	24.8	25.5
12H	4H	21.6	22.3	22.1	22.9	23.4	21.9	22.6	22.4	23.2	23.7
	6H	22.5	23.1	23.1	23.7	24.3	22.9	23.5	23.5	24.1	24.7
	8H	22.9	23.5	23.5	24.0	24.7	23.4	23.9	24.0	24.5	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, 1908 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.2$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-10

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:120.6V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1907.62x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

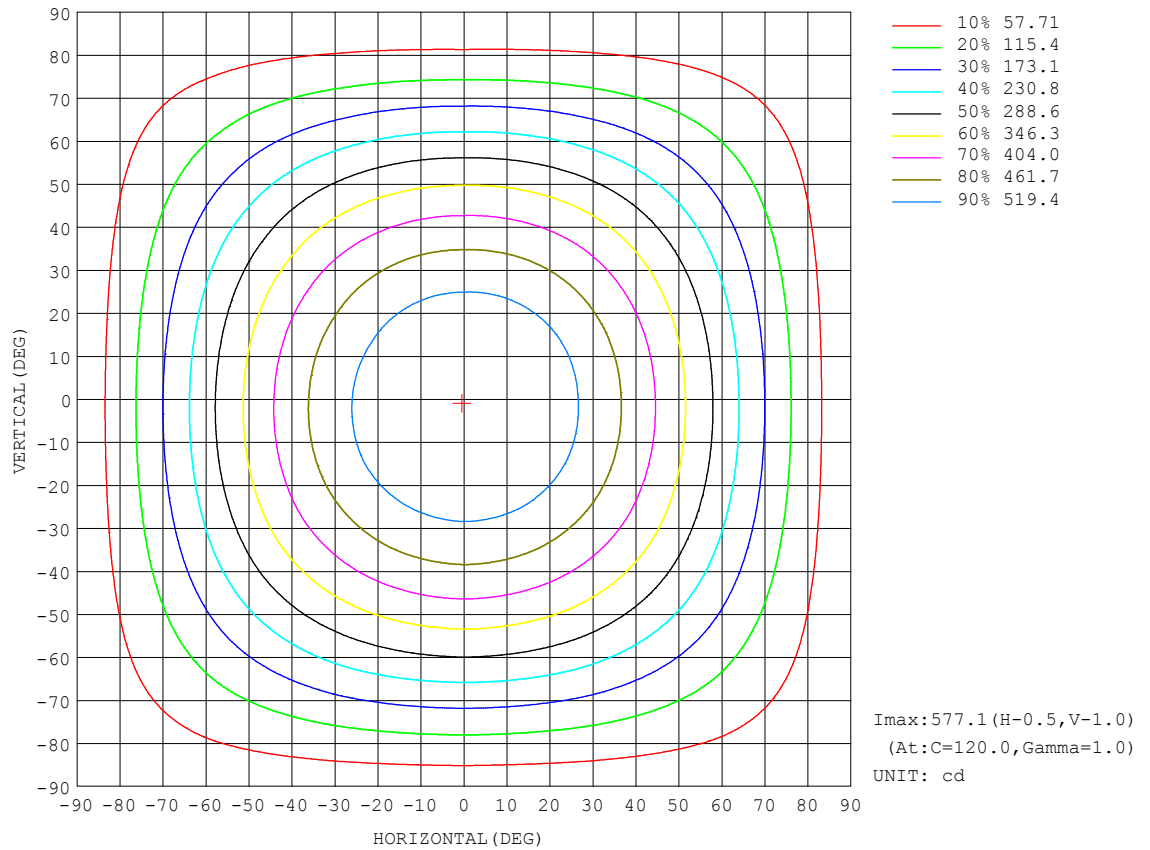
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	45	63	52	44	60	50	44	36
1.00	72	61	53	71	60	53	68	61	52	44
1.25	79	68	61	77	67	60	74	65	59	51
1.50	84	74	67	82	73	66	78	70	64	55
2.00	91	82	75	89	81	74	84	77	72	62
2.50	95	87	81	93	85	79	88	82	77	66
3.00	99	91	86	96	89	84	91	85	81	70
4.00	103	97	92	100	94	90	94	90	86	75
5.00	106	100	96	102	98	94	96	93	89	78
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:2024-04-10

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:120.6V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1907.62x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

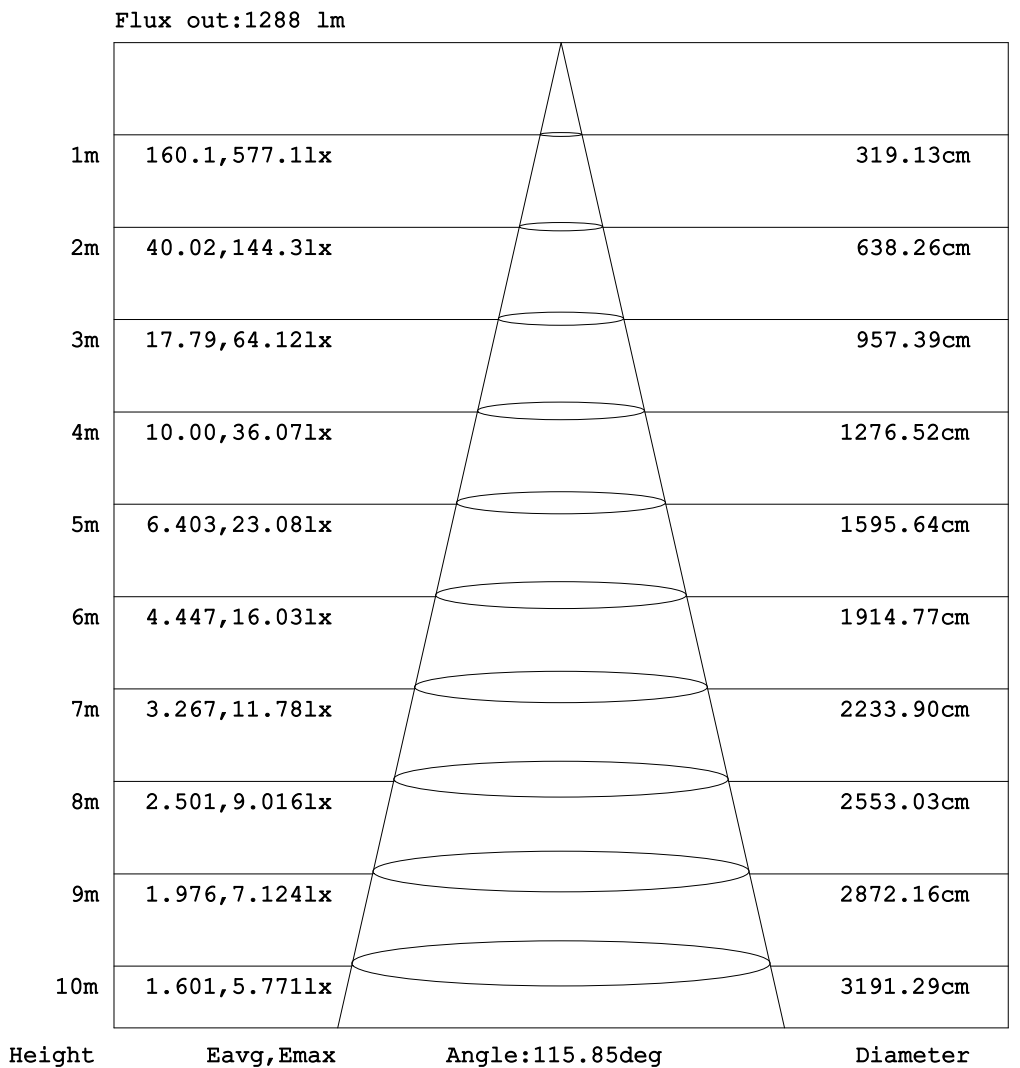


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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:120.6V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1907.62x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

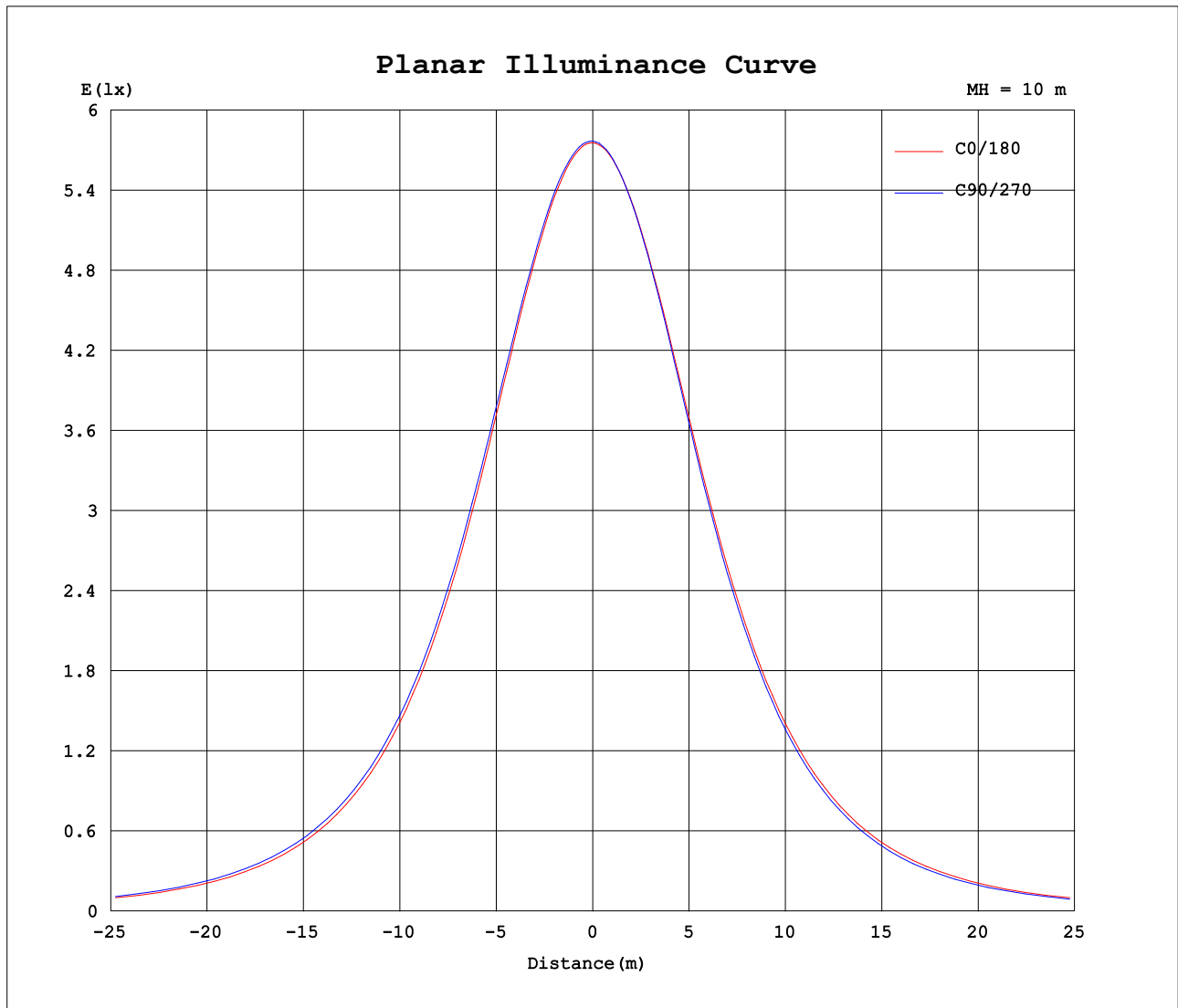


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-10

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: 2024-04-10

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:120.6V I:0.3320A P:32.60W PF:0.8150 Freq:60.00Hz Lamp Flux:1907.62x1 lm		
NAME: DRF19-34DOB-95C-120D-BL 整灯 5000K	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	576	576	577	577	577	577	576	576	577	577	577	577							
5	574	575	576	576	576	576	573	573	573	574	574	575							
10	568	570	571	572	571	570	567	566	566	566	568	569							
15	559	561	563	564	562	560	557	555	555	556	557	559							
20	545	548	550	551	549	547	543	540	540	540	542	544							
25	527	531	534	534	532	529	524	520	519	519	522	524							
30	502	508	511	511	509	506	499	494	492	492	495	499							
35	472	479	482	483	481	476	469	463	461	460	464	468							
40	438	446	449	451	448	443	435	428	426	425	429	433							
45	400	409	413	415	411	407	398	390	387	385	390	395							
50	359	368	374	375	372	366	358	349	345	343	348	353							
55	315	325	331	333	329	324	314	304	301	299	303	309							
60	269	279	285	288	284	278	269	258	254	251	257	262							
65	221	231	238	240	237	230	220	211	205	203	207	214							
70	173	182	190	191	189	183	173	163	157	155	159	166							
75	126	135	142	144	142	136	127	117	111	108	113	119							
80	81.5	90.5	95.9	98.7	96.3	91.7	83.6	74.1	69.6	66.8	70.6	75.7							
85	46.0	52.6	56.7	59.0	57.1	53.7	47.7	40.7	37.6	35.8	38.4	42.0							
90	25.3	27.4	28.9	30.2	29.1	27.5	25.5	23.6	23.9	24.5	25.3	25.9							
95	24.6	23.3	22.0	21.2	21.1	21.5	23.3	23.8	24.4	25.1	25.7	26.1							
100	25.3	23.8	22.3	21.8	21.7	21.5	23.9	23.6	24.0	25.7	25.5	25.9							
105	25.8	23.4	21.8	22.5	21.5	20.9	24.4	23.3	23.8	26.1	25.2	25.5							
110	25.7	23.2	21.8	22.7	21.4	21.3	24.4	23.9	24.4	26.2	25.7	25.9							
115	25.6	23.7	22.4	22.8	21.9	22.0	24.7	24.7	25.2	26.6	26.4	26.6							
120	26.1	24.3	23.1	23.2	22.7	22.8	25.3	25.6	26.0	27.1	27.2	27.3							
125	26.6	25.0	23.8	23.7	23.5	23.6	25.9	26.4	26.8	27.7	28.0	28.0							
130	27.2	25.7	24.7	24.3	24.3	24.4	26.5	27.1	27.5	28.1	28.6	28.7							
135	27.5	26.4	25.3	24.9	25.0	25.0	27.0	27.6	28.0	28.4	28.8	29.0							
140	27.6	26.9	25.7	25.3	25.5	25.4	27.2	27.8	28.3	28.3	28.8	29.1							
145	27.6	27.2	26.0	25.6	25.9	25.7	27.2	27.9	28.4	28.3	28.7	29.0							
150	27.5	27.3	26.2	25.8	26.2	25.9	27.4	27.8	28.3	28.3	28.3	28.7							
155	27.5	27.2	26.2	26.3	26.3	26.1	27.6	27.6	28.1	28.3	28.0	28.3							
160	27.6	27.0	26.2	26.5	26.2	26.1	27.8	27.3	27.8	28.2	27.6	27.9							
165	28.8	28.1	27.5	27.8	28.0	27.7	28.9	28.9	29.5	29.5	28.8	29.3							
170	30.3	29.7	28.7	30.0	29.6	28.7	30.0	29.4	30.6	30.6	29.6	30.5							
175	31.1	30.3	30.0	31.0	30.2	29.8	30.8	30.0	30.6	31.2	30.2	30.4							
180	31.5	30.4	30.8	31.7	30.6	30.6	31.4	30.5	30.8	31.7	30.6	30.6							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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: