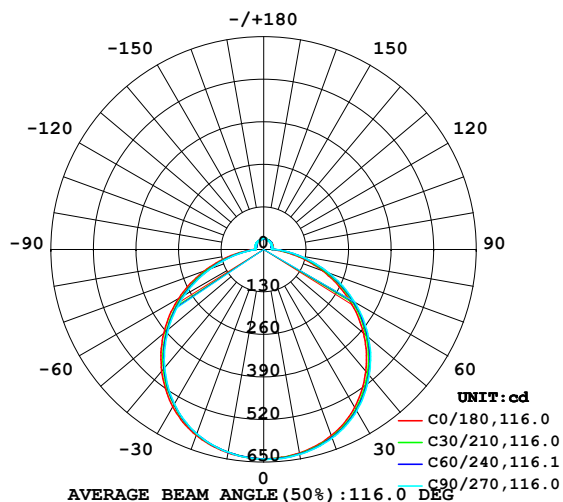


LUMINAIRE PHOTOMETRIC TEST REPORT

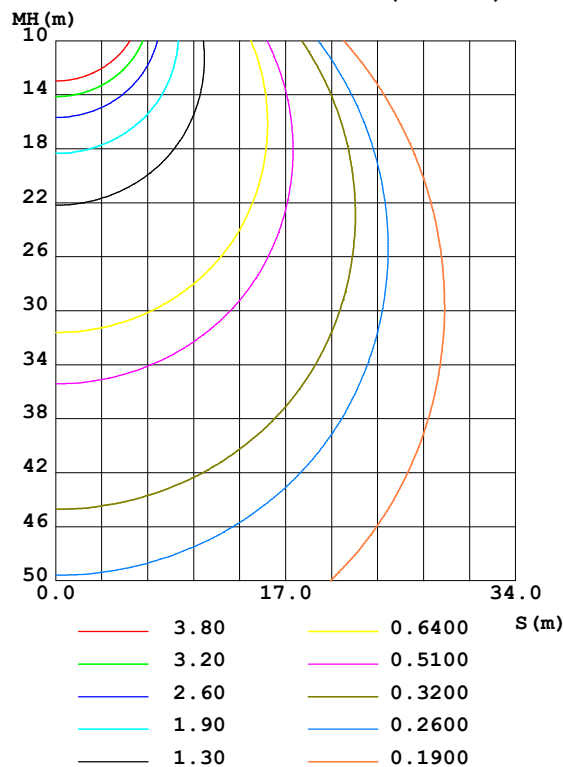
Test:U:120.5V I:0.3300A P:33.80W PF:0.8480 Freq:60.00Hz Lamp Flux:2125.09x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.87 lm/W			
MODEL		I _{max} (cd)	641.8	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2125.1	η UP, DN (C0-180)	4.2, 47.2
NOMINAL FLUX (lm)	2125.09	CIE CLASS	DIRECT	η UP, DN (C180-360)	4.3, 44.3
LAMPS INSIDE	1	η up (%)	8.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	91.5	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	631.7	634.1	635.7	634.9	630.8	629.3	629.0	631.1	0- 10	60.75	60.75	2.86,2.86
20	605.0	610.4	613.5	610.7	604.2	600.1	599.3	602.6	10- 20	175.5	236.3	11.1,11.1
30	556.9	565.2	569.6	565.1	555.6	548.1	545.6	551.1	20- 30	269.5	505.7	23.8,23.8
40	485.6	496.8	502.4	496.9	485.2	474.8	471.3	477.9	30- 40	327.8	833.6	39.2,39.2
50	398.7	411.8	418.2	412.0	399.2	386.5	380.8	388.9	40- 50	343.0	1177	55.4,55.4
60	298.8	313.7	320.8	314.0	300.1	285.8	279.4	288.0	50- 60	313.7	1490	70.1,70.1
70	193.0	206.6	212.9	206.8	192.7	179.0	173.1	181.1	60- 70	244.4	1735	81.6,81.6
80	92.07	104.0	109.6	103.8	92.41	80.53	75.56	82.73	70- 80	149.6	1884	88.7,88.7
90	27.68	31.33	33.78	31.37	28.35	26.67	26.63	27.17	80- 90	60.44	1945	91.5,91.5
100	27.43	25.85	25.34	25.30	27.41	26.63	27.90	27.39	90-100	28.97	1974	92.9,92.9
110	28.31	25.60	26.54	25.02	27.93	26.91	28.48	27.72	100-110	28.11	2002	94.2,94.2
120	29.00	27.31	27.27	26.59	28.75	28.72	29.57	29.66	110-120	27.25	2029	95.5,95.5
130	30.51	29.35	28.76	28.46	30.05	30.37	30.90	31.42	120-130	26.11	2055	96.7,96.7
140	31.59	30.97	29.89	29.62	30.76	31.15	31.25	32.07	130-140	23.63	2079	97.8,97.8
150	32.08	31.61	30.40	29.99	31.14	31.06	31.38	31.95	140-150	19.52	2098	98.7,98.7
160	32.40	31.49	31.00	29.82	31.51	30.48	31.36	31.16	150-160	14.41	2113	99.4,99.4
170	35.05	33.96	34.23	33.23	34.56	33.82	34.34	33.91	160-170	9.135	2122	99.8,99.8
180	36.11	34.95	35.85	34.73	36.12	34.96	35.86	34.74	170-180	3.293	2125	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1006 lm

%lum = 47.3%

%lamp = 47.3%

Conical surface Flux(120deg): 1490.3 lm

%lum = 70.1%

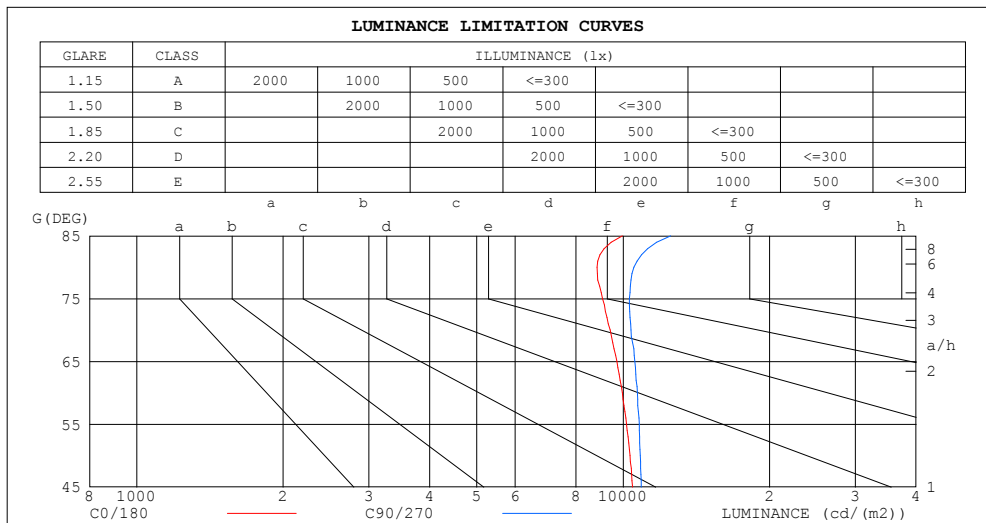
%lamp = 70.1%

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:120.5V I:0.3300A P:33.80W PF:0.8480 Freq:60.00Hz Lamp Flux:2125.09x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9960	12520
80	8837	10516
75	9073	10305
70	9404	10373
65	9710	10573
60	9960	10694
55	10160	10787
50	10337	10843
45	10460	10899

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:120.5V I:0.3300A P:33.80W PF:0.8480 Freq:60.00Hz Lamp Flux:2125.09x1 lm					
NAME: DRF19-34DOB-95C-120D-WH 整灯 4000K			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	.312	.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	.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	.175	.089	.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	.153	.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	.255	.255	.255	.218	.218	.218	.149	.149	.149	.086	.086	.086	.027	.027	.027		
1.0	.246	.221	.199	.211	.190	.171	.144	.131	.118	.083	.076	.069	.027	.024	.022		
2.0	.239	.198	.163	.204	.170	.141	.140	.118	.098	.081	.068	.058	.026	.022	.019		
3.0	.231	.180	.140	.198	.156	.121	.136	.108	.085	.079	.063	.050	.025	.020	.016		
4.0	.223	.167	.124	.192	.145	.108	.132	.101	.076	.076	.059	.045	.025	.019	.015		
5.0	.216	.157	.114	.186	.136	.099	.128	.095	.070	.074	.056	.041	.024	.018	.014		
6.0	.209	.149	.106	.180	.129	.092	.124	.090	.065	.072	.053	.039	.023	.017	.013		
7.0	.202	.142	.100	.174	.123	.087	.120	.086	.062	.070	.051	.037	.023	.017	.012		
8.0	.196	.136	.096	.168	.118	.084	.117	.083	.059	.068	.049	.035	.022	.016	.012		
9.0	.190	.132	.092	.163	.114	.081	.113	.080	.057	.066	.047	.034	.021	.016	.011		
10.0	.184	.127	.090	.159	.111	.078	.110	.078	.056	.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:120.5V I:0.3300A P:33.80W PF:0.8480 Freq:60.00Hz Lamp Flux:2125.09x1 lm											
NAME: DRF19-34DOB-95C-120D-WH 整灯 4000K						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	18.3	19.7	20.1	18.2	19.6	18.6	20.0	20.3
	3H	19.5	20.8	20.0	21.2	21.6	19.9	21.2	20.3	21.6	22.0
	4H	20.2	21.4	20.6	21.8	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	22.8	23.3
	8H	20.9	22.1	21.4	22.5	23.0	21.5	22.6	22.0	23.1	23.5
	12H	21.1	22.2	21.6	22.6	23.1	21.8	22.8	22.2	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	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	23.0	22.7	23.5	24.0	22.7	23.5	23.2	24.0	24.6
	12H	22.4	23.1	22.9	23.7	24.2	23.0	23.7	23.5	24.3	24.9
8H	4H	21.5	22.3	22.1	22.9	23.4	21.9	22.7	22.4	23.2	23.7
	6H	22.4	23.1	23.0	23.6	24.2	22.8	23.5	23.4	24.0	24.7
	8H	22.8	23.4	23.4	24.0	24.6	23.3	23.9	23.9	24.4	25.1
	12H	23.2	23.7	23.8	24.3	24.9	23.7	24.2	24.3	24.8	25.5
12H	4H	21.6	22.3	22.1	22.8	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	23.0	23.5	23.6	24.1	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, 2125 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.6$)

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:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.3300A P:33.80W PF:0.8480 Freq:60.00Hz Lamp Flux:2125.09x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

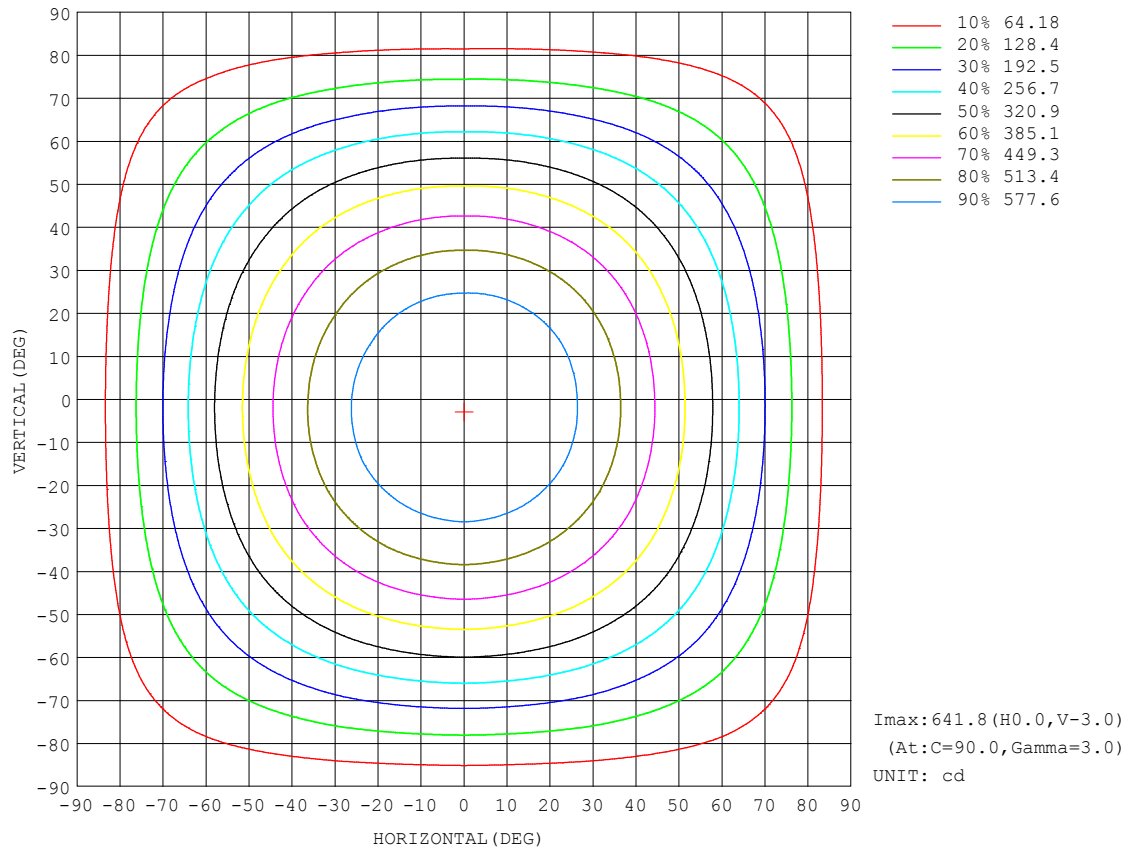
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	45	63	51	44	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	50
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	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	75
5.00	106	100	96	102	98	94	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:2024-04-10

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:120.5V I:0.3300A P:33.80W PF:0.8480 Freq:60.00Hz Lamp Flux:2125.09x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

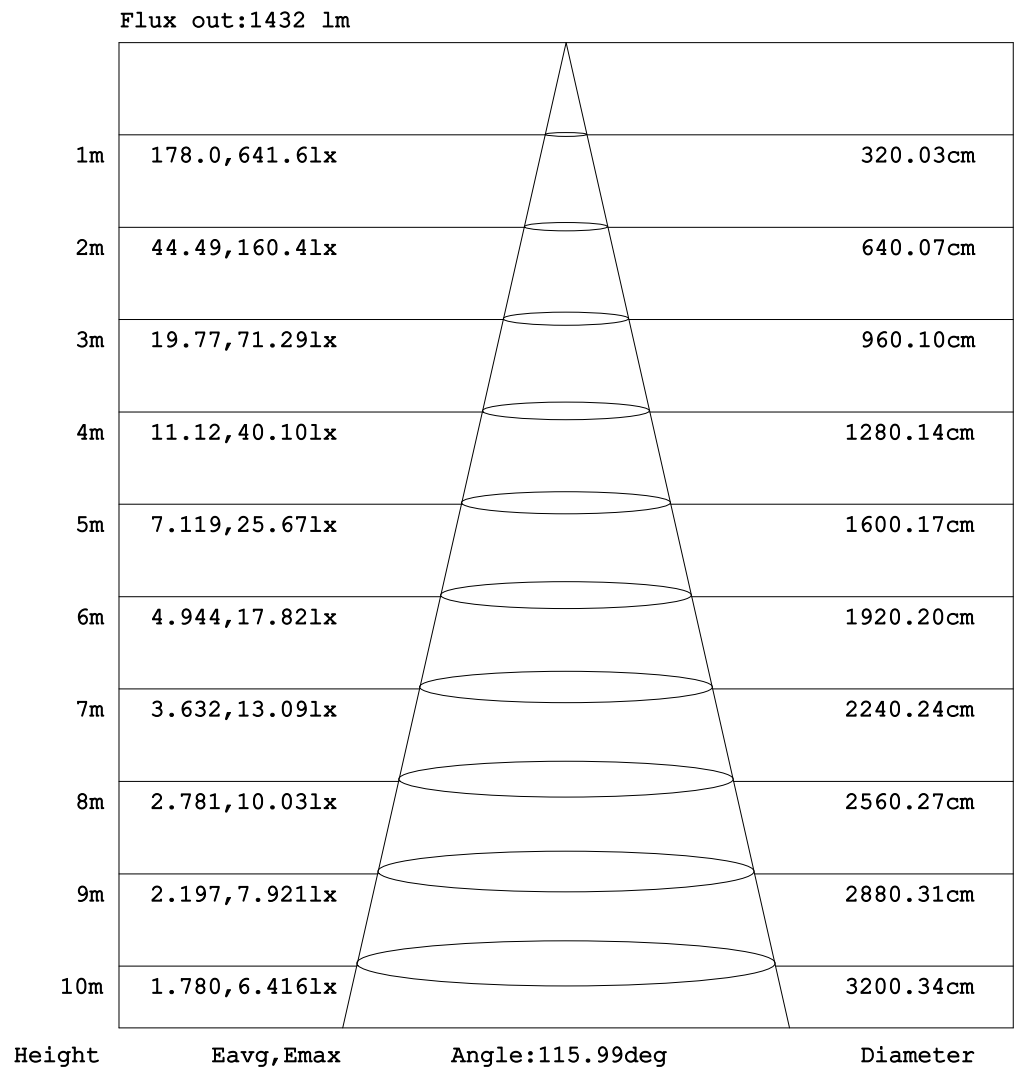


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-10

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:120.5V I:0.3300A P:33.80W PF:0.8480 Freq:60.00Hz Lamp Flux:2125.09x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

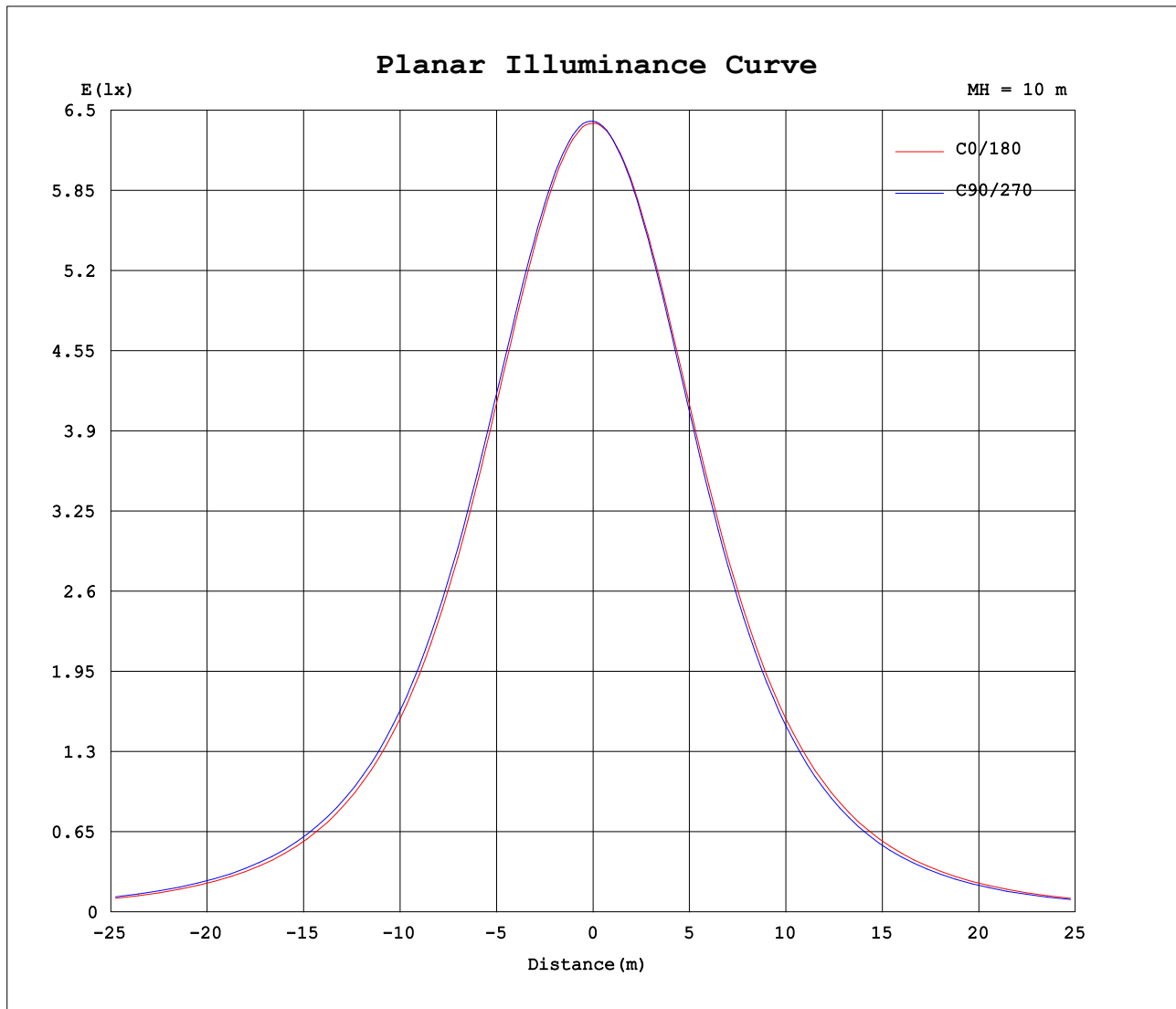


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.5V I:0.3300A P:33.80W PF:0.8480 Freq:60.00Hz Lamp Flux:2125.09x1 lm		
NAME: DRF19-34DOB-95C-120D-WH 整灯 4000K	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	639	640	641	641	642	642	639	640	641	641	642	642							
5	638	639	640	641	641	641	637	637	637	637	638	639							
10	632	633	635	636	635	634	631	629	629	629	630	632							
15	621	623	625	627	626	624	620	617	617	617	619	621							
20	605	609	611	614	612	610	604	601	599	599	601	604							
25	585	589	593	594	593	589	583	578	576	576	578	582							
30	557	563	567	570	567	563	556	549	547	546	549	553							
35	524	531	536	538	536	531	522	515	512	511	514	519							
40	486	494	499	502	499	495	485	477	473	471	475	481							
45	444	453	459	462	459	454	444	435	430	428	432	438							
50	399	408	415	418	415	409	399	389	384	381	386	392							
55	350	361	367	371	368	361	351	340	335	331	337	343							
60	299	310	317	321	317	311	300	288	283	279	285	291							
65	246	257	264	268	265	258	247	235	229	226	231	238							
70	193	202	211	213	211	203	193	182	176	173	177	185							
75	141	150	158	160	158	150	141	131	125	122	126	134							
80	92.1	101	107	110	107	101	92.4	82.8	78.2	75.6	79.7	85.7							
85	52.1	58.8	63.1	65.5	63.0	58.6	52.6	45.7	42.4	40.4	43.3	47.6							
90	27.7	30.4	32.3	33.8	32.4	30.3	28.4	26.7	26.6	26.6	26.9	27.4							
95	26.4	25.6	24.8	24.4	24.7	25.2	26.9	27.0	27.1	27.2	27.4	27.6							
100	27.4	26.3	25.4	25.3	25.4	25.2	27.4	26.7	26.6	27.9	27.2	27.6							
105	28.2	26.1	24.9	26.2	25.2	24.5	27.9	26.3	26.3	28.4	26.9	27.3							
110	28.3	26.1	25.1	26.5	25.2	24.9	27.9	26.8	27.0	28.5	27.6	27.9							
115	28.3	26.8	25.9	26.7	25.8	25.6	28.1	27.7	27.9	28.9	28.5	28.8							
120	29.0	27.7	26.9	27.3	26.7	26.5	28.8	28.6	28.8	29.6	29.5	29.8							
125	29.7	28.7	27.9	28.0	27.6	27.4	29.4	29.5	29.7	30.3	30.4	30.7							
130	30.5	29.8	29.0	28.8	28.6	28.3	30.1	30.3	30.5	30.9	31.2	31.6							
135	31.2	30.7	29.9	29.5	29.4	29.0	30.5	30.7	31.0	31.2	31.6	32.1							
140	31.6	31.5	30.4	29.9	29.9	29.3	30.8	31.0	31.3	31.2	31.7	32.4							
145	31.9	31.9	30.8	30.1	30.2	29.5	30.9	31.0	31.4	31.3	31.7	32.5							
150	32.1	32.1	31.1	30.4	30.3	29.7	31.1	30.9	31.2	31.4	31.5	32.4							
155	32.2	32.1	31.2	30.8	30.3	29.7	31.3	30.7	30.9	31.4	31.2	32.1							
160	32.4	31.9	31.1	31.0	30.2	29.5	31.5	30.4	30.5	31.4	30.8	31.6							
165	33.4	33.0	32.3	32.2	31.9	31.5	33.2	32.5	32.7	32.9	32.3	33.0							
170	35.1	34.6	33.4	34.2	33.7	32.7	34.6	33.4	34.2	34.3	33.4	34.4							
175	35.7	35.1	34.4	35.2	34.4	33.9	35.5	34.3	34.3	35.1	34.1	34.4							
180	36.1	35.0	34.9	35.9	34.7	34.8	36.1	35.0	34.9	35.9	34.7	34.8							

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: