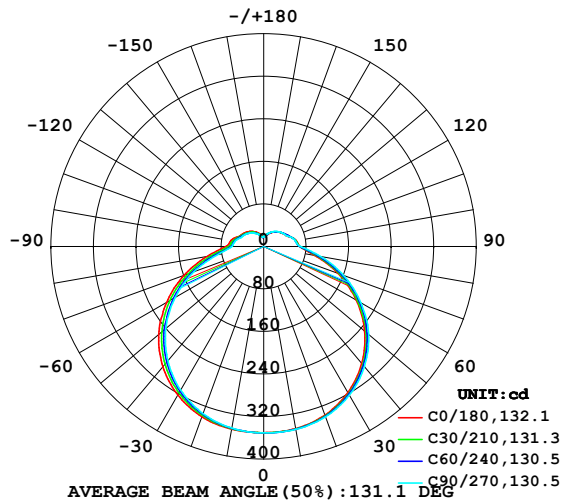


LUMINAIRE PHOTOMETRIC TEST REPORT

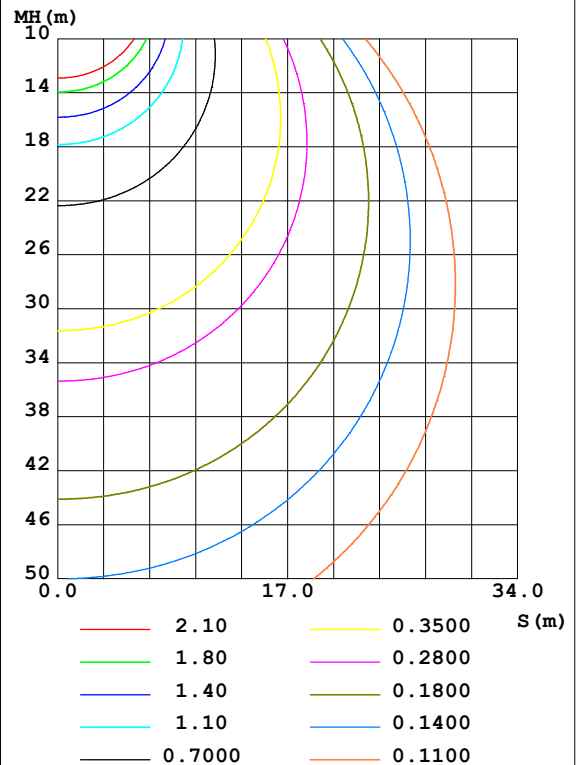
Test:U:120.6V I:0.1420A P:16.90W PF:0.9810 Freq:60.00Hz Lamp Flux:1574.94x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.19 lm/W			
MODEL		I _{max} (cd)	351.3	S/MH (C0/180)	1.37
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.32
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1574.9	η UP, DN (C0-180)	9.4, 41.8
NOMINAL FLUX (lm)	1574.94	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	8.9, 39.9
LAMPS INSIDE	1	η up (%)	18.3	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	81.7	CIBSE SHR MAX	1.55

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	347.8	348.7	349.3	350.2	348.9	347.6	346.8	347.3	0- 10	33.37	33.37	2.12,2.12
20	337.4	339.3	340.9	343.0	340.8	336.9	334.4	335.2	10- 20	97.42	130.8	8.3,8.3
30	317.2	320.2	322.7	326.1	322.9	316.5	312.3	313.2	20- 30	152.3	283.0	18,18
40	287.0	291.1	294.8	299.1	295.1	286.3	280.6	281.6	30- 40	191.2	474.3	30.1,30.1
50	247.7	252.9	257.8	262.5	257.8	247.4	240.4	241.5	40- 50	209.4	683.7	43.4,43.4
60	200.9	206.3	211.1	217.1	211.0	199.9	192.6	193.0	50- 60	204.1	887.8	56.4,56.4
70	148.8	154.5	160.0	166.0	159.8	147.7	139.7	140.3	60- 70	176.7	1065	67.6,67.6
80	97.69	102.9	108.2	113.2	107.8	95.57	87.67	90.31	70- 80	132.8	1197	76,76
90	68.00	68.21	69.51	72.72	71.49	63.84	59.97	64.73	80- 90	88.63	1286	81.7,81.7
100	62.51	61.51	60.93	62.15	63.12	57.80	55.40	59.65	90-100	68.85	1355	86,86
110	52.75	54.21	53.12	54.95	52.94	50.35	47.54	52.52	100-110	60.05	1415	89.8,89.8
120	45.74	46.97	45.99	47.84	46.73	44.28	43.00	46.10	110-120	48.58	1463	92.9,92.9
130	41.21	41.73	41.87	42.53	42.34	39.42	38.58	40.86	120-130	39.10	1503	95.4,95.4
140	36.04	36.79	37.11	37.60	37.28	34.62	33.51	35.70	130-140	29.96	1533	97.3,97.3
150	30.64	31.63	31.91	32.28	31.81	29.53	28.21	30.14	140-150	21.12	1554	98.6,98.6
160	25.36	26.03	26.76	26.20	26.39	23.92	23.24	24.09	150-160	13.04	1567	99.5,99.5
170	20.31	20.46	21.25	20.06	21.04	18.65	18.41	18.28	160-170	6.435	1573	99.9,99.9
180	20.11	18.91	18.84	18.90	20.12	18.93	18.87	18.91	170-180	1.815	1575	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 578.13 lm

%lum = 36.7%

%lamp = 36.7%

Conical surface Flux(120deg): 887.81 lm

%lum = 56.4%

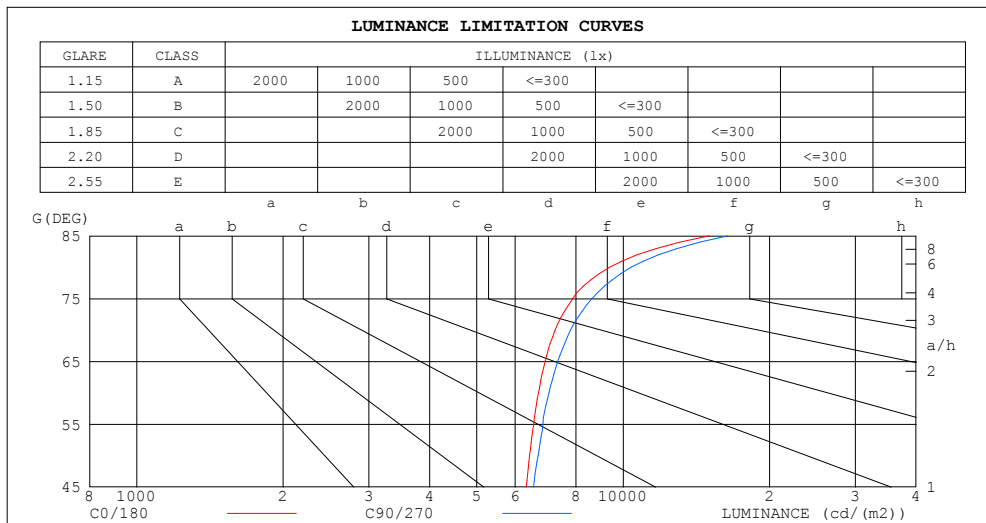
%lamp = 56.4%

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:120.6V I:0.1420A P:16.90W PF:0.9810 Freq:60.00Hz Lamp Flux:1574.94x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15017	16390
80	9377	10385
75	7879	8624
70	7249	7796
65	6914	7338
60	6697	7038
55	6543	6838
50	6423	6685
45	6327	6539

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:120.6V I:0.1420A P:16.90W PF:0.9810 Freq:60.00Hz Lamp Flux:1574.94x1 lm					
NAME: DMS11-17W-95C-MVUD 整灯 3500K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: 革星			SUR.:11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	.361	.205	.065	.348	.199	.063	.324	.186	.059	.302	.174	.056	.282	.163	.053		
2.0	.319	.175	.054	.308	.170	.052	.286	.159	.049	.266	.149	.047	.248	.140	.044		
3.0	.287	.153	.046	.277	.148	.045	.257	.139	.042	.239	.131	.040	.222	.123	.038		
4.0	.260	.135	.040	.251	.131	.039	.233	.124	.037	.217	.116	.035	.201	.109	.033		
5.0	.238	.121	.035	.229	.118	.034	.213	.111	.033	.198	.104	.031	.184	.098	.030		
6.0	.218	.110	.031	.211	.106	.031	.196	.100	.029	.182	.095	.028	.169	.089	.026		
7.0	.202	.100	.028	.195	.097	.028	.181	.092	.026	.169	.087	.025	.157	.082	.024		
8.0	.188	.092	.026	.181	.089	.025	.169	.084	.024	.157	.080	.023	.146	.075	.022		
9.0	.175	.085	.024	.169	.082	.023	.158	.078	.022	.147	.074	.021	.137	.070	.020		
10.0	.164	.079	.022	.159	.077	.021	.148	.073	.020	.138	.069	.020	.129	.065	.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	.330	.330	.330	.282	.282	.282	.193	.193	.193	.111	.111	.111	.035	.035	.035	
1.0	.325	.297	.271	.278	.255	.233	.190	.175	.161	.109	.101	.094	.035	.033	.030	
2.0	.318	.274	.237	.272	.236	.204	.187	.163	.143	.108	.095	.084	.035	.031	.027	
3.0	.310	.257	.215	.266	.222	.186	.183	.154	.130	.106	.090	.077	.034	.029	.025	
4.0	.303	.245	.200	.260	.211	.174	.179	.147	.122	.103	.086	.072	.033	.028	.024	
5.0	.295	.235	.190	.254	.203	.165	.175	.142	.117	.101	.083	.069	.033	.027	.023	
6.0	.288	.227	.183	.248	.196	.159	.171	.137	.113	.099	.081	.067	.032	.026	.022	
7.0	.281	.220	.177	.242	.191	.155	.167	.134	.109	.097	.079	.065	.031	.026	.022	
8.0	.275	.215	.173	.236	.186	.151	.164	.131	.107	.095	.077	.064	.031	.025	.021	
9.0	.268	.210	.170	.231	.182	.148	.160	.128	.105	.093	.076	.063	.030	.025	.021	
10.0	.263	.206	.168	.226	.179	.146	.157	.126	.104	.092	.074	.062	.030	.024	.021	

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:120.6V I:0.1420A P:16.90W PF:0.9810 Freq:60.00Hz Lamp Flux:1574.94x1 lm											
NAME: DMS11-17W-95C-MVUD 整灯 3500K						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: 革星						SUR.:11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		16.8	18.2	17.3	18.7	19.2	17.0	18.4	17.5	18.9	19.4
	3H	18.8	20.0	19.3	20.6	21.2	19.1	20.3	19.6	20.9	21.5
	4H	19.8	21.0	20.3	21.5	22.1	20.1	21.3	20.7	21.9	22.5
	6H	20.8	21.9	21.3	22.4	23.1	21.2	22.3	21.8	22.9	23.5
	8H	21.3	22.3	21.9	22.9	23.6	21.7	22.8	22.3	23.4	24.0
	12H	21.9	22.9	22.5	23.5	24.2	22.3	23.4	22.9	24.0	24.6
4H	2H	17.5	18.7	18.1	19.3	19.9	17.7	18.9	18.2	19.4	20.0
	3H	19.7	20.7	20.3	21.3	22.0	19.9	21.0	20.5	21.6	22.3
	4H	20.9	21.8	21.5	22.4	23.1	21.1	22.1	21.8	22.7	23.4
	6H	22.0	22.8	22.7	23.5	24.2	22.4	23.2	23.0	23.8	24.6
	8H	22.6	23.4	23.3	24.1	24.8	23.0	23.8	23.7	24.5	25.2
	12H	23.3	24.0	24.0	24.7	25.5	23.7	24.5	24.4	25.1	25.9
8H	4H	21.3	22.1	22.0	22.7	23.5	21.6	22.3	22.2	23.0	23.8
	6H	22.7	23.4	23.4	24.1	24.9	23.0	23.7	23.7	24.4	25.2
	8H	23.5	24.1	24.2	24.8	25.6	23.8	24.4	24.5	25.1	26.0
	12H	24.4	24.9	25.1	25.6	26.5	24.8	25.3	25.5	26.0	26.9
12H	4H	21.4	22.1	22.1	22.8	23.6	21.6	22.3	22.3	23.0	23.8
	6H	22.9	23.5	23.6	24.2	25.0	23.2	23.8	23.9	24.5	25.3
	8H	23.8	24.3	24.5	25.0	25.9	24.1	24.6	24.8	25.3	26.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					

CIE Pub.117, 1575 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.6$)

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:120.6V I:0.1420A P:16.90W PF:0.9810 Freq:60.00Hz Lamp Flux:1574.94x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

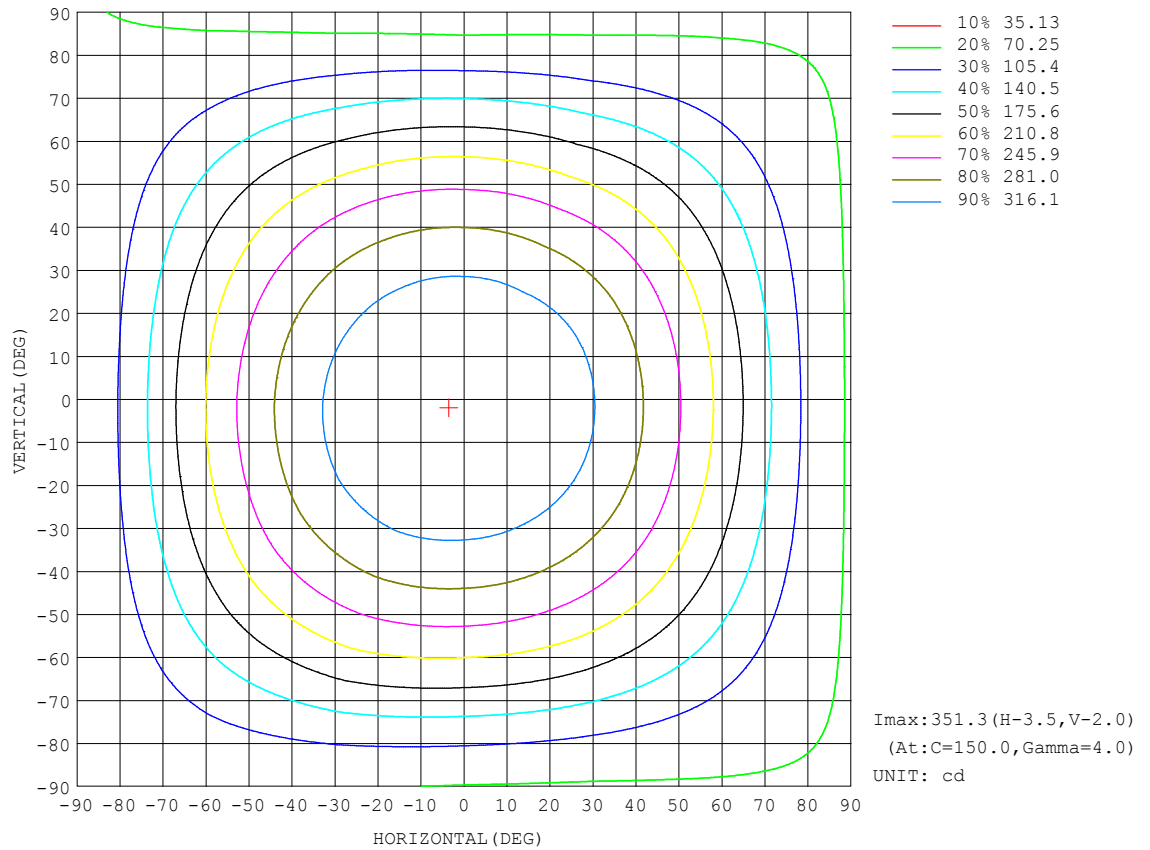
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	36	29	47	36	29	45	35	28	22
0.80	58	45	37	56	44	37	53	43	36	28
1.00	66	53	45	64	52	45	60	52	43	34
1.25	73	61	52	70	59	52	66	57	50	40
1.50	78	66	58	75	65	57	70	61	55	44
2.00	85	75	67	82	73	65	76	69	62	51
2.50	90	80	73	86	78	71	80	73	67	54
3.00	93	85	78	90	82	76	83	77	71	58
4.00	98	91	84	94	87	82	87	81	77	62
5.00	101	94	89	97	91	86	89	85	81	65
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:120.6V I:0.1420A P:16.90W PF:0.9810 Freq:60.00Hz Lamp Flux:1574.94x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

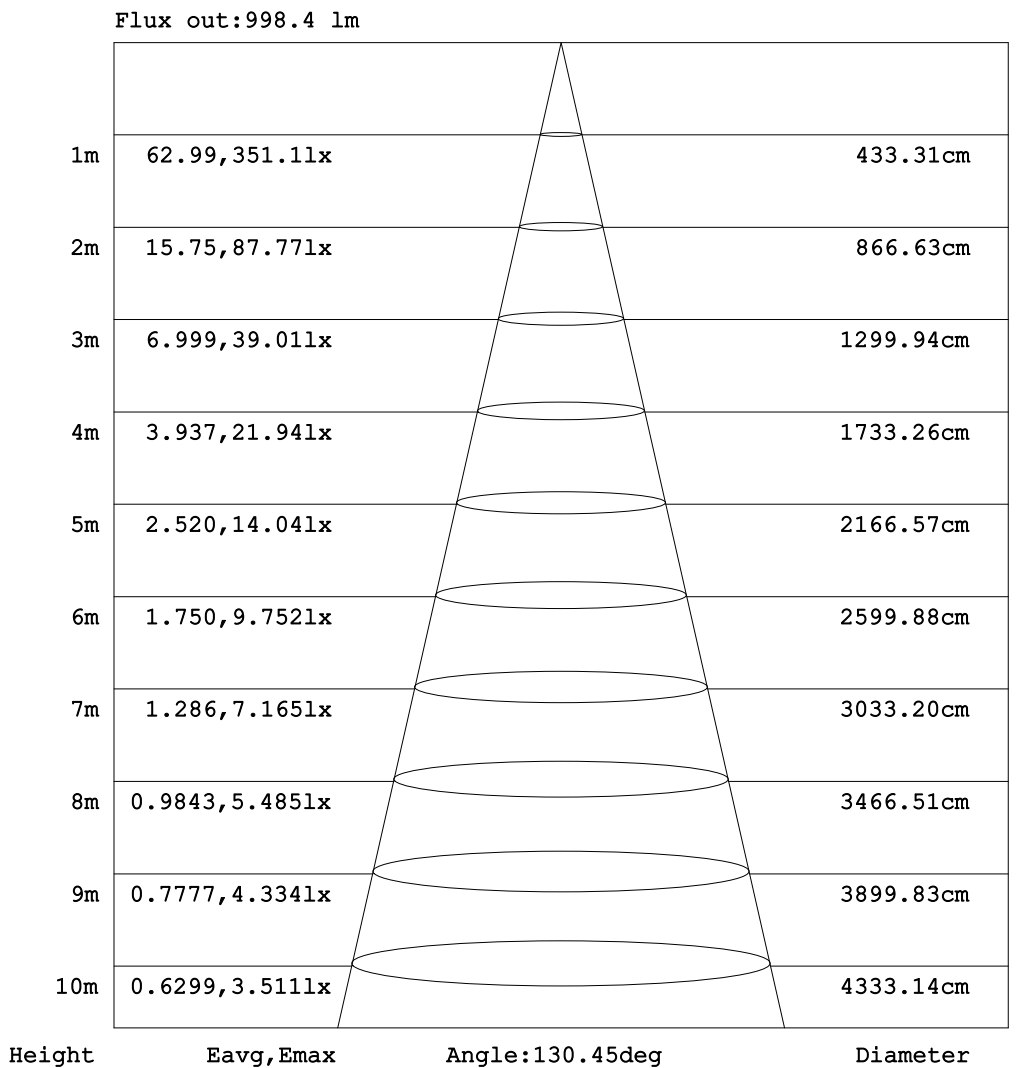


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-08

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:120.6V I:0.1420A P:16.90W PF:0.9810 Freq:60.00Hz Lamp Flux:1574.94x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

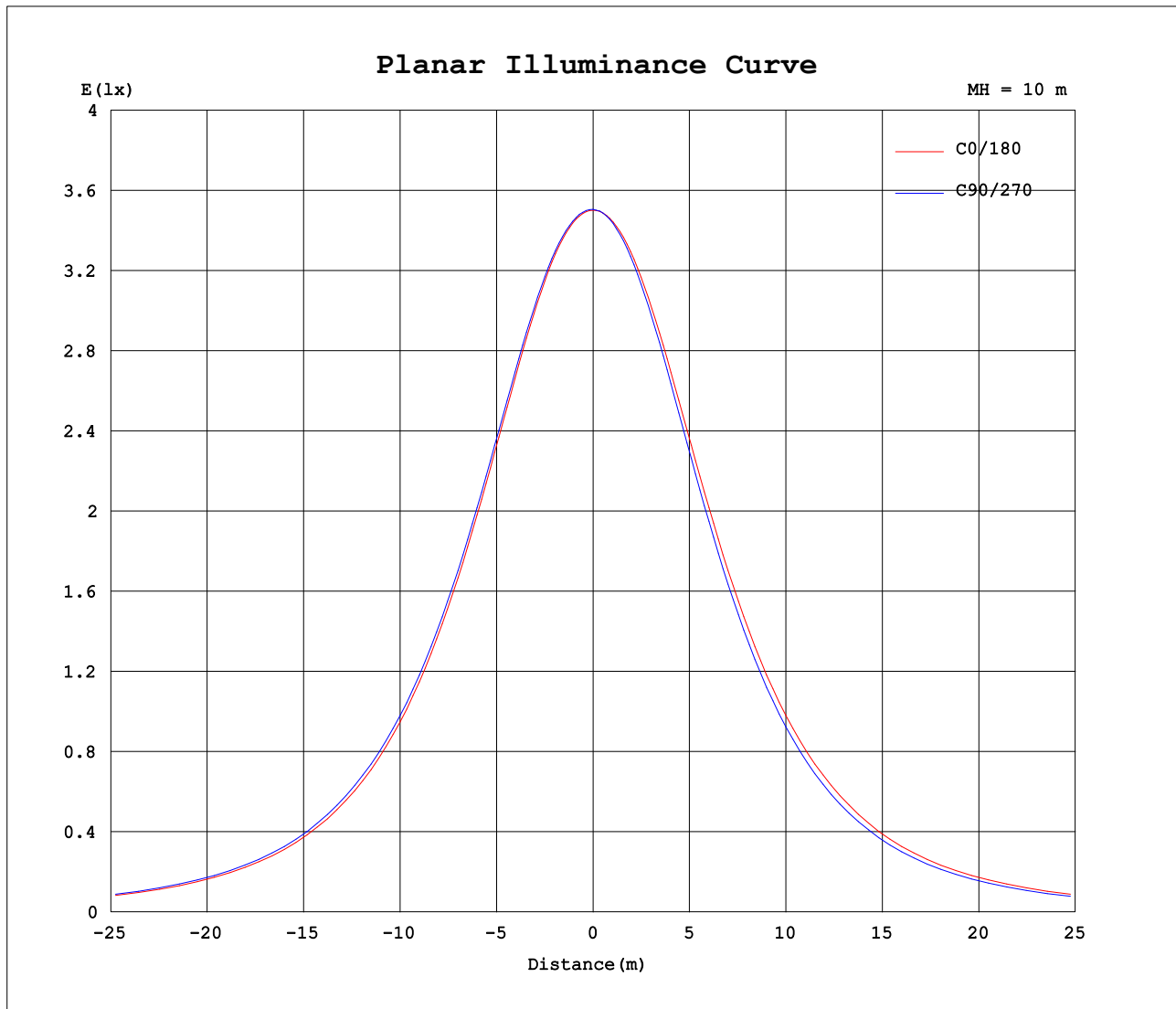


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.6V I:0.1420A P:16.90W PF:0.9810 Freq:60.00Hz Lamp Flux:1574.94x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	350	350	351	351	351	351	350	350	351	351	351	351							
5	350	350	350	350	351	351	350	350	350	350	350	350							
10	348	348	349	349	350	350	349	348	347	347	347	348							
15	344	345	345	346	348	348	346	344	343	342	342	343							
20	337	339	340	341	343	343	341	338	336	334	334	336							
25	329	330	332	333	336	336	333	330	326	324	324	327							
30	317	320	321	323	326	326	323	318	315	312	311	315							
35	303	306	308	310	314	314	310	305	300	298	297	301							
40	287	290	292	295	299	299	295	289	284	281	279	284							
45	268	272	274	277	282	282	277	271	265	262	260	265							
50	248	252	254	258	263	262	258	250	245	240	239	244							
55	225	228	232	235	241	241	235	228	220	217	214	221							
60	201	204	208	211	218	216	211	204	196	193	190	196							
65	175	179	183	186	193	191	186	178	170	167	164	170							
70	149	152	157	160	167	165	160	152	144	140	137	144							
75	122	126	130	134	140	139	133	125	117	112	111	116							
80	97.7	101	104	108	113	113	108	99.1	92.1	87.7	87.8	92.8							
85	78.5	80.7	82.4	85.7	89.7	90.3	86.0	78.4	72.3	69.0	71.0	74.9							
90	68.0	68.3	68.1	69.5	71.7	73.7	71.5	66.1	61.5	60.0	63.5	65.9							
95	64.8	64.2	63.1	63.1	63.2	66.2	65.7	62.2	58.6	57.5	61.2	63.2							
100	62.5	62.0	61.0	60.9	60.6	63.7	63.1	59.4	56.2	55.4	58.5	60.8							
105	58.7	58.7	57.9	57.8	57.3	60.7	58.8	55.4	53.1	51.8	55.1	57.5							
110	52.7	54.3	54.1	53.1	53.2	56.7	52.9	51.2	49.5	47.5	51.6	53.5							
115	47.7	50.1	50.3	48.3	49.4	52.7	48.7	47.8	46.2	44.7	48.5	49.6							
120	45.7	46.9	47.0	46.0	46.6	49.1	46.7	45.0	43.5	43.0	45.8	46.4							
125	43.5	44.2	44.3	44.0	44.2	46.0	44.6	42.5	41.2	40.9	43.2	43.7							
130	41.2	41.7	41.7	41.9	41.9	43.2	42.3	40.1	38.8	38.6	40.6	41.1							
135	38.7	39.2	39.3	39.6	39.6	40.5	39.9	37.7	36.4	36.1	38.1	38.5							
140	36.0	36.7	36.8	37.1	37.3	37.9	37.3	35.4	33.9	33.5	35.5	35.9							
145	33.4	34.2	34.4	34.6	34.9	35.2	34.6	32.9	31.4	30.8	32.8	33.3							
150	30.6	31.6	31.7	31.9	32.3	32.2	31.8	30.2	28.9	28.2	29.9	30.4							
155	27.9	28.8	28.9	29.3	29.6	29.0	29.1	27.3	26.2	25.6	26.9	27.4							
160	25.4	26.1	26.0	26.8	26.6	25.8	26.4	24.4	23.4	23.2	23.7	24.5							
165	22.9	23.3	23.1	24.3	23.2	22.7	23.7	21.6	20.8	20.8	20.8	21.4							
170	20.3	20.6	20.3	21.2	20.4	19.7	21.0	18.9	18.4	18.4	18.0	18.6							
175	19.8	20.0	19.2	19.6	19.3	18.8	20.0	18.4	18.4	18.0	17.9	18.7							
180	20.1	19.1	18.7	18.8	18.9	18.9	20.1	19.1	18.7	18.9	18.9	18.9							

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: