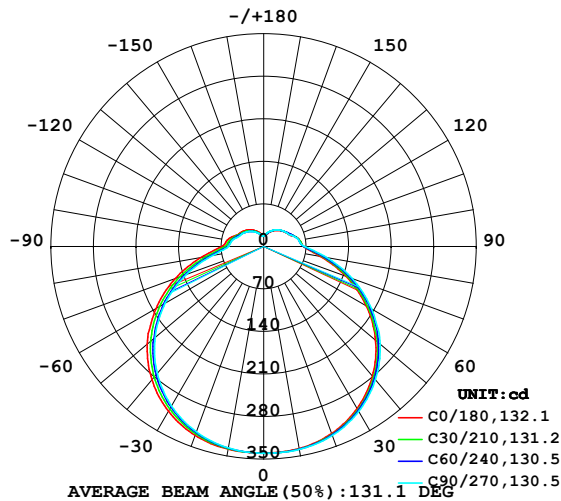


LUMINAIRE PHOTOMETRIC TEST REPORT

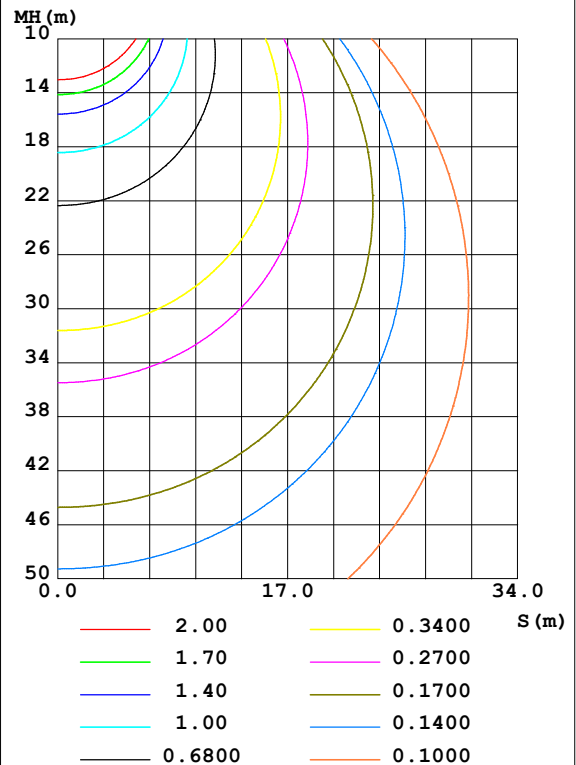
Test:U:120.6V I:0.1440A P:17.10W PF:0.9810 Freq:60.00Hz Lamp Flux:1527.98x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.36 lm/W			
MODEL		I _{max} (cd)	340.9	S/MH (C0/180)	1.37
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.33
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1528.0	η UP, DN (C0-180)	9.4, 41.8
NOMINAL FLUX (lm)	1527.98	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	337.5	338.6	339.1	340.0	338.7	337.4	336.6	337.3	0- 10	32.39	32.39	2.12,2.12
20	327.5	329.4	330.9	332.9	330.7	327.0	324.7	325.6	10- 20	94.58	127.0	8.31,8.31
30	307.9	310.7	313.4	316.5	313.3	307.1	303.3	304.4	20- 30	147.8	274.8	18,18
40	278.6	282.5	286.2	290.2	286.2	277.9	272.6	273.9	30- 40	185.7	460.4	30.1,30.1
50	240.4	245.6	250.2	254.8	250.2	239.6	233.5	234.0	40- 50	203.3	663.8	43.4,43.4
60	195.0	200.2	205.1	210.6	204.8	194.0	187.2	187.8	50- 60	198.1	861.9	56.4,56.4
70	144.3	149.9	155.3	161.1	155.0	143.3	135.9	136.6	60- 70	171.6	1033	67.6,67.6
80	94.50	99.78	105.0	109.6	104.6	92.58	85.21	87.87	70- 80	128.9	1162	76.1,76.1
90	65.64	66.13	67.43	70.20	69.21	61.61	58.13	62.92	80- 90	85.89	1248	81.7,81.7
100	60.35	59.71	59.12	60.03	61.13	55.75	53.65	57.95	90-100	66.66	1315	86.1,86.1
110	51.00	52.58	51.48	53.12	51.18	48.57	45.95	50.99	100-110	58.13	1373	89.9,89.9
120	44.30	45.55	44.60	46.29	45.12	42.74	41.60	44.73	110-120	47.03	1420	92.9,92.9
130	39.98	40.48	40.58	41.16	40.83	37.99	37.47	39.58	120-130	37.85	1458	95.4,95.4
140	35.04	35.68	35.95	36.41	35.91	33.38	32.56	34.58	130-140	29.01	1487	97.3,97.3
150	29.85	30.67	30.96	31.32	30.60	28.57	27.71	29.10	140-150	20.47	1507	98.6,98.6
160	24.74	25.26	25.97	25.45	25.37	23.17	22.77	23.30	150-160	12.65	1520	99.5,99.5
170	19.87	19.86	20.63	19.53	20.19	18.09	17.97	17.64	160-170	6.243	1526	99.9,99.9
180	19.49	18.30	18.42	18.33	19.48	18.29	18.40	18.32	170-180	1.761	1528	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 561.28 lm

%lum = 36.7%

%lamp = 36.7%

Conical surface Flux(120deg): 861.88 lm

%lum = 56.4%

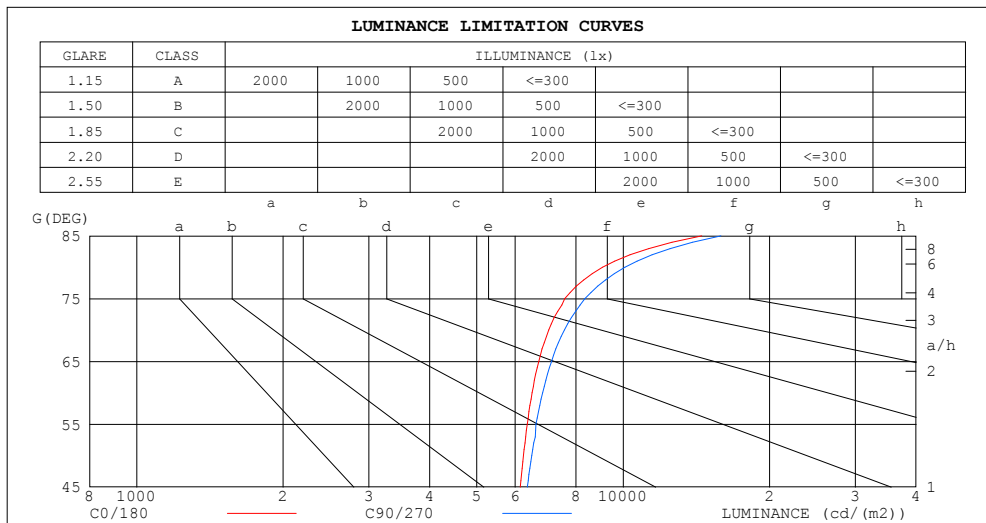
%lamp = 56.4%

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:0.1440A P:17.10W PF:0.9810 Freq:60.00Hz Lamp Flux:1527.98x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	14501	15876
80	9070	10079
75	7584	8350
70	7034	7569
65	6709	7124
60	6500	6835
55	6350	6620
50	6234	6488
45	6142	6349

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:0.1440A P:17.10W PF:0.9810 Freq:60.00Hz Lamp Flux:1527.98x1 lm					
NAME: DMS11-17W-95C-MVUD 整灯 3000K			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	.192	.192	.192	.111	.111	.111	.035	.035	.035	
1.0	.324	.296	.271	.278	.254	.233	.190	.175	.161	.109	.101	.094	.035	.033	.030	
2.0	.318	.273	.236	.272	.235	.204	.186	.163	.142	.107	.095	.084	.034	.031	.027	
3.0	.310	.257	.214	.266	.222	.186	.183	.154	.130	.105	.090	.077	.034	.029	.025	
4.0	.303	.244	.200	.260	.211	.173	.179	.147	.122	.103	.086	.072	.033	.028	.024	
5.0	.295	.234	.190	.253	.203	.165	.175	.142	.116	.101	.083	.069	.033	.027	.023	
6.0	.288	.226	.182	.247	.196	.159	.171	.137	.112	.099	.081	.067	.032	.026	.022	
7.0	.281	.220	.177	.242	.191	.154	.167	.134	.109	.097	.079	.065	.031	.026	.022	
8.0	.274	.214	.173	.236	.186	.151	.163	.130	.107	.095	.077	.064	.031	.025	.021	
9.0	.268	.210	.170	.231	.182	.148	.160	.128	.105	.093	.075	.063	.030	.025	.021	
10.0	.262	.205	.167	.226	.178	.146	.157	.125	.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:0.1440A P:17.10W PF:0.9810 Freq:60.00Hz Lamp Flux:1527.98x1 lm											
NAME: DMS11-17W-95C-MVUD 整灯 3000K						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	
	4H	19.8	21.0	20.3	21.5	22.1	20.1	21.3	20.7	21.9	
	6H	20.7	21.9	21.3	22.4	23.1	21.2	22.3	21.8	22.9	
	8H	21.3	22.3	21.8	22.9	23.6	21.7	22.8	22.3	23.4	
	12H	21.8	22.9	22.4	23.5	24.1	22.3	23.4	22.9	24.0	
4H	2H	17.5	18.7	18.1	19.3	19.9	17.7	18.9	18.2	19.4	
	3H	19.7	20.7	20.3	21.3	22.0	19.9	21.0	20.6	21.6	
	4H	20.8	21.8	21.5	22.4	23.1	21.1	22.1	21.8	22.7	
	6H	22.0	22.8	22.6	23.5	24.2	22.4	23.2	23.0	23.8	
	8H	22.6	23.4	23.3	24.0	24.8	23.0	23.8	23.7	24.5	
	12H	23.3	24.0	24.0	24.7	25.5	23.7	24.5	24.4	25.1	
8H	4H	21.3	22.1	22.0	22.7	23.5	21.5	22.3	22.2	23.0	
	6H	22.7	23.4	23.4	24.1	24.9	23.0	23.7	23.7	24.4	
	8H	23.5	24.1	24.2	24.8	25.6	23.8	24.4	24.5	25.1	
	12H	24.4	24.9	25.1	25.6	26.5	24.8	25.3	25.5	26.0	
12H	4H	21.4	22.1	22.1	22.8	23.6	21.6	22.3	22.3	23.0	
	6H	22.9	23.5	23.6	24.2	25.0	23.2	23.8	23.9	24.5	
	8H	23.8	24.3	24.5	25.0	25.9	24.1	24.6	24.8	25.3	
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, 1528 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.5$)

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:0.1440A P:17.10W PF:0.9810 Freq:60.00Hz Lamp Flux:1527.98x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

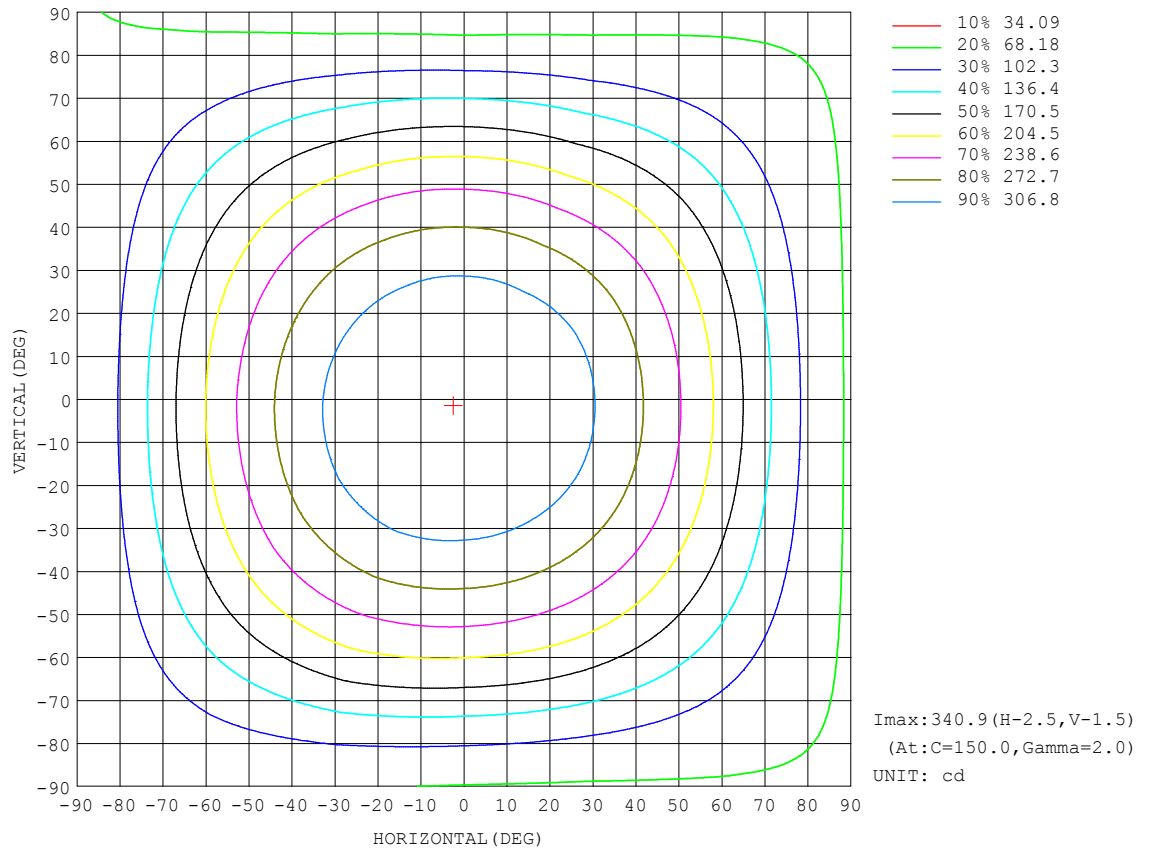
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	36	29	47	36	29	45	35	28	22
0.80	58	45	37	56	44	37	53	43	36	28
1.00	66	53	45	64	52	45	60	52	43	34
1.25	73	61	52	71	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	82	77	63
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:0.1440A P:17.10W PF:0.9810 Freq:60.00Hz Lamp Flux:1527.98x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

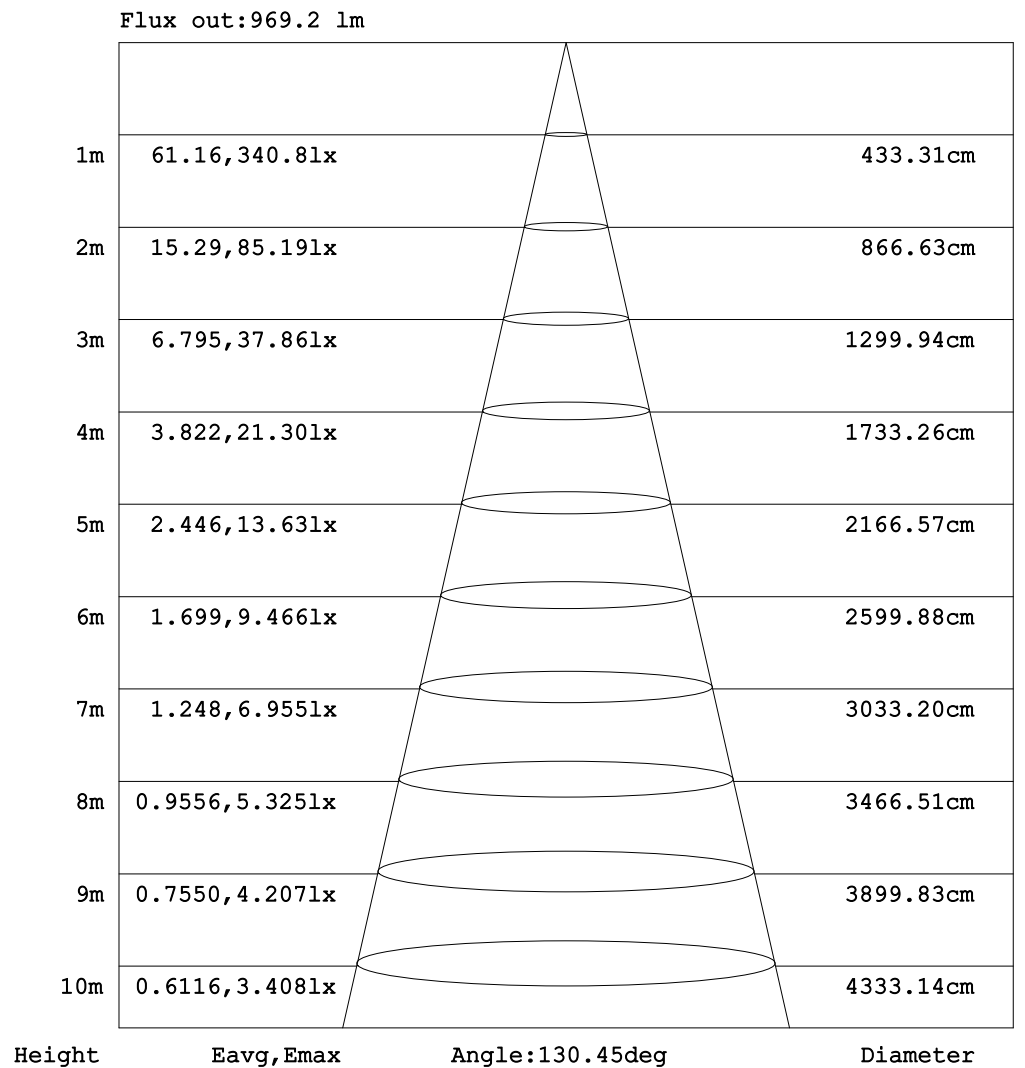


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

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:0.1440A P:17.10W PF:0.9810 Freq:60.00Hz Lamp Flux:1527.98x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

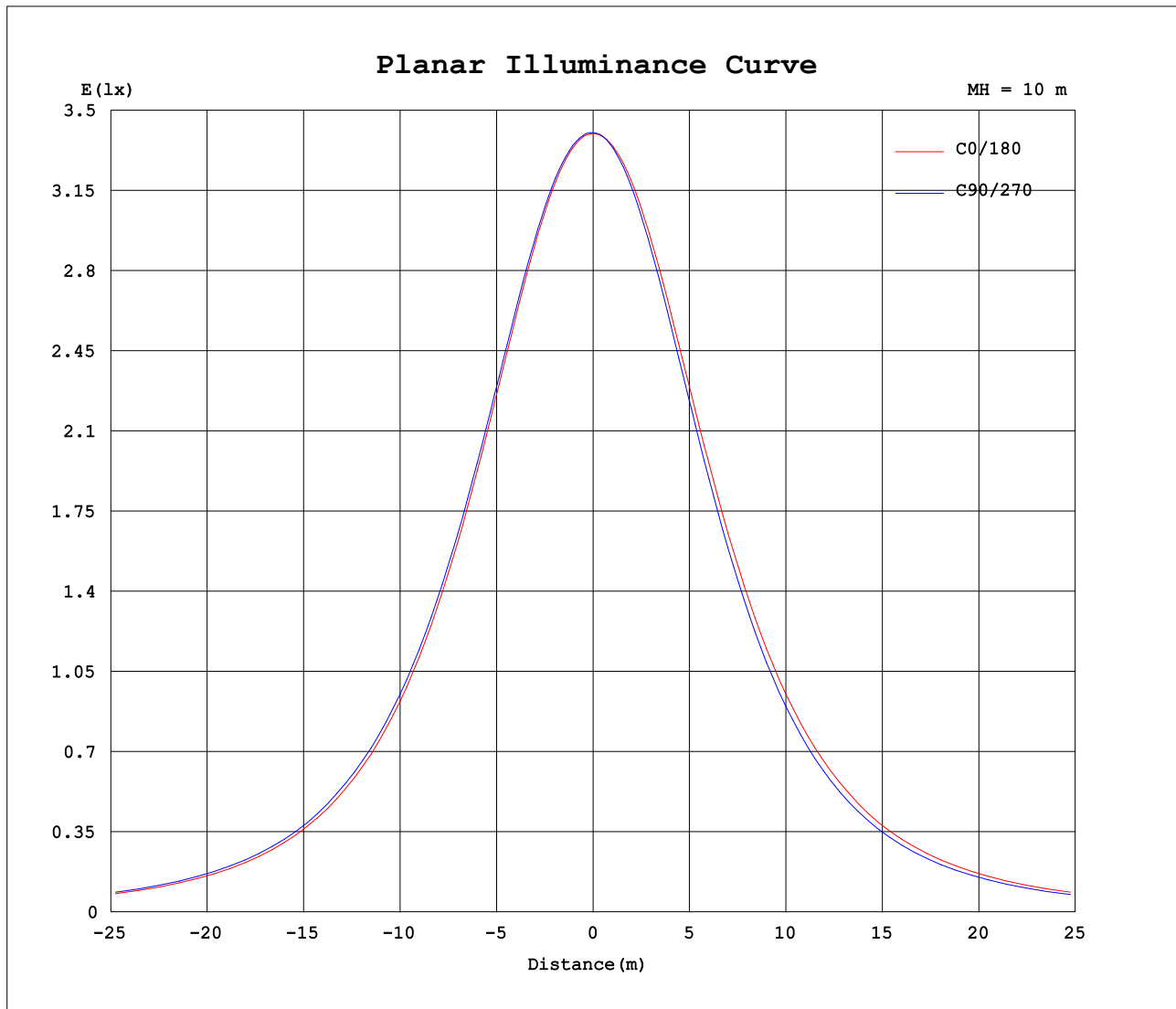


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1440A P:17.10W PF:0.9810 Freq:60.00Hz Lamp Flux:1527.98x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 3000K	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	340	340	340	340	341	341	340	340	340	340	341	341							
5	339	340	340	340	341	341	340	340	340	339	339	339	340						
10	338	338	339	339	340	340	339	338	337	337	337	338							
15	334	335	335	336	337	338	336	334	333	332	332	333							
20	327	329	330	331	333	333	331	328	326	325	324	327							
25	319	321	322	323	326	326	323	320	317	315	315	318							
30	308	310	311	313	317	316	313	309	305	303	303	306							
35	294	297	299	301	305	304	301	296	291	289	288	292							
40	279	282	283	286	291	290	286	280	275	273	272	276							
45	261	264	266	269	274	273	269	263	257	254	253	258							
50	240	245	247	250	255	254	250	243	236	234	231	237							
55	219	221	225	228	235	233	228	221	214	211	208	215							
60	195	198	202	205	212	209	205	198	190	187	184	191							
65	170	173	178	181	188	185	180	173	165	162	159	166							
70	144	148	152	155	162	160	155	147	139	136	133	140							
75	118	122	126	130	136	134	129	121	114	109	108	114							
80	94.5	98.5	101	105	110	109	105	95.9	89.2	85.2	85.3	90.5							
85	75.8	78.3	79.9	83.0	87.0	87.1	83.4	75.8	69.9	67.0	68.9	73.0							
90	65.6	66.2	66.1	67.4	69.5	70.9	69.2	63.8	59.4	58.1	61.7	64.2							
95	62.6	62.4	61.2	61.2	61.2	63.7	63.7	59.9	56.5	55.7	59.5	61.5							
100	60.4	60.2	59.2	59.1	58.7	61.4	61.1	57.2	54.3	53.7	56.8	59.1							
105	56.7	57.0	56.2	56.1	55.5	58.4	56.9	53.4	51.2	50.2	53.5	55.9							
110	51.0	52.6	52.5	51.5	51.5	54.7	51.2	49.4	47.7	45.9	50.0	51.9							
115	46.2	48.6	48.8	46.9	47.9	50.9	47.0	46.1	44.6	43.2	47.1	48.1							
120	44.3	45.5	45.6	44.6	45.1	47.4	45.1	43.4	42.1	41.6	44.4	45.1							
125	42.2	42.9	43.0	42.7	42.8	44.5	43.1	41.0	39.7	39.7	41.9	42.3							
130	40.0	40.5	40.5	40.6	40.6	41.7	40.8	38.7	37.3	37.5	39.4	39.8							
135	37.6	38.1	38.1	38.3	38.3	39.2	38.4	36.4	35.0	35.0	36.8	37.3							
140	35.0	35.6	35.7	36.0	36.1	36.7	35.9	34.1	32.6	32.6	34.3	34.8							
145	32.5	33.2	33.3	33.5	33.8	34.2	33.4	31.7	30.4	30.2	31.7	32.2							
150	29.9	30.6	30.7	31.0	31.3	31.3	30.6	29.2	28.0	27.7	28.9	29.3							
155	27.2	28.0	28.0	28.4	28.7	28.2	28.0	26.4	25.4	25.2	26.1	26.4							
160	24.7	25.3	25.2	26.0	25.8	25.1	25.4	23.6	22.7	22.8	23.0	23.6							
165	22.3	22.6	22.4	23.6	22.5	22.1	22.8	20.9	20.2	20.4	20.1	20.7							
170	19.9	20.0	19.7	20.6	19.8	19.3	20.2	18.3	17.9	18.0	17.4	17.9							
175	19.2	19.4	18.6	19.0	18.7	18.3	19.3	17.9	17.7	17.5	17.4	18.1							
180	19.5	18.6	18.0	18.4	18.3	18.3	19.5	18.6	18.0	18.4	18.3	18.3							

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: