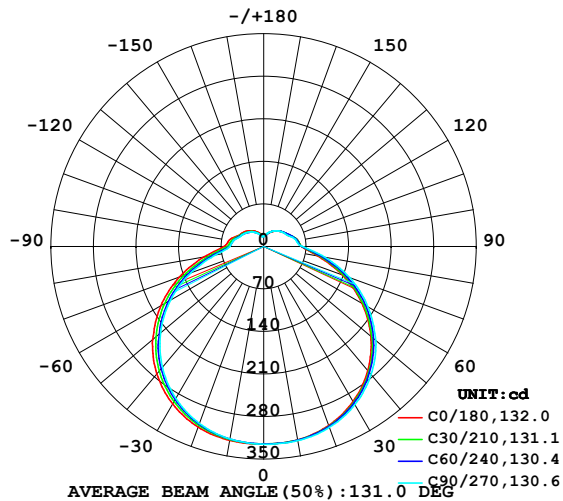


LUMINAIRE PHOTOMETRIC TEST REPORT

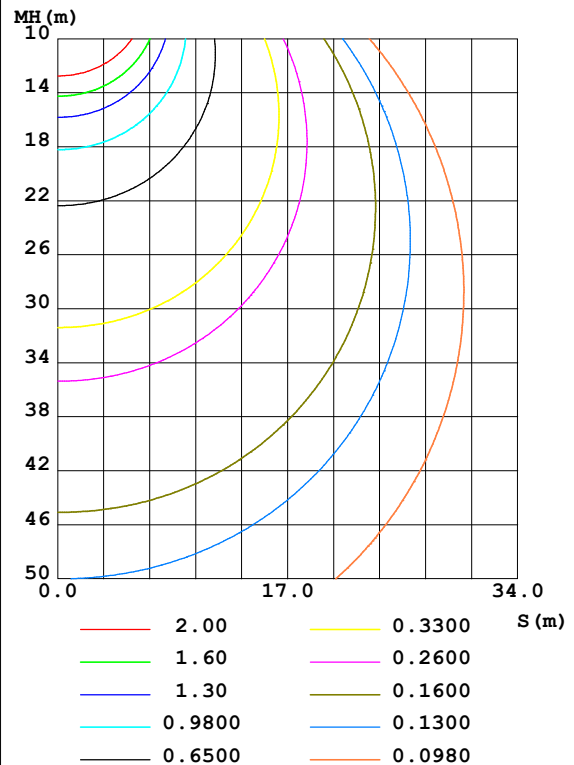
Test:U:120.6V I:0.1470A P:17.40W PF:0.9820 Freq:60.00Hz Lamp Flux:1457.62x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.77 lm/W			
MODEL		I _{max} (cd)	325.5	S/MH (C0/180)	1.37
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.32
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1457.6	η UP, DN (C0-180)	9.3, 41.9
NOMINAL FLUX (lm)	1457.62	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	8.9, 39.9
LAMPS INSIDE	1	η up (%)	18.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	81.8	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	323.0	323.5	324.4	324.4	324.0	322.2	321.6	321.8	0- 10	30.94	30.94	2.12,2.12
20	313.4	314.8	317.0	317.6	316.2	312.1	309.8	310.8	10- 20	90.34	121.3	8.32,8.32
30	294.6	297.0	300.6	301.9	299.5	293.0	289.0	290.7	20- 30	141.2	262.5	18,18
40	266.7	270.1	275.1	277.0	273.6	265.0	259.5	261.7	30- 40	177.3	439.8	30.2,30.2
50	230.3	234.4	241.1	243.2	239.0	228.0	221.7	223.6	40- 50	194.2	634.0	43.5,43.5
60	186.8	191.4	198.1	201.0	195.4	184.7	177.3	179.5	50- 60	189.1	823.2	56.5,56.5
70	138.2	143.3	150.7	153.6	147.6	136.2	127.9	130.6	60- 70	163.9	987.0	67.7,67.7
80	90.28	95.29	101.8	104.3	99.49	87.91	80.19	83.89	70- 80	122.9	1110	76.1,76.1
90	62.45	63.07	63.93	66.53	65.71	58.45	55.91	59.90	80- 90	81.78	1192	81.8,81.8
100	57.41	56.82	55.01	56.89	58.17	52.96	51.70	55.17	90-100	63.34	1255	86.1,86.1
110	48.50	49.99	47.88	50.36	48.76	46.15	44.18	48.56	100-110	55.21	1310	89.9,89.9
120	42.22	43.32	41.72	43.92	42.96	40.65	39.85	42.59	110-120	44.67	1355	93,93
130	38.12	38.49	38.05	39.05	38.88	36.18	35.99	37.67	120-130	35.98	1391	95.4,95.4
140	33.45	33.93	33.79	34.55	34.26	31.80	31.42	32.89	130-140	27.58	1418	97.3,97.3
150	28.52	29.19	29.15	29.72	29.25	27.26	26.60	27.64	140-150	19.47	1438	98.7,98.7
160	23.61	24.06	24.52	24.15	24.22	22.21	21.89	22.07	150-160	12.04	1450	99.5,99.5
170	18.96	18.94	19.55	18.54	19.21	17.39	17.04	16.76	160-170	5.946	1456	99.9,99.9
180	18.54	17.44	17.64	17.39	18.55	17.45	17.63	17.41	170-180	1.677	1458	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 536.14 lm

%lum = 36.8%

%lamp = 36.8%

Conical surface Flux(120deg): 823.15 lm

%lum = 56.5%

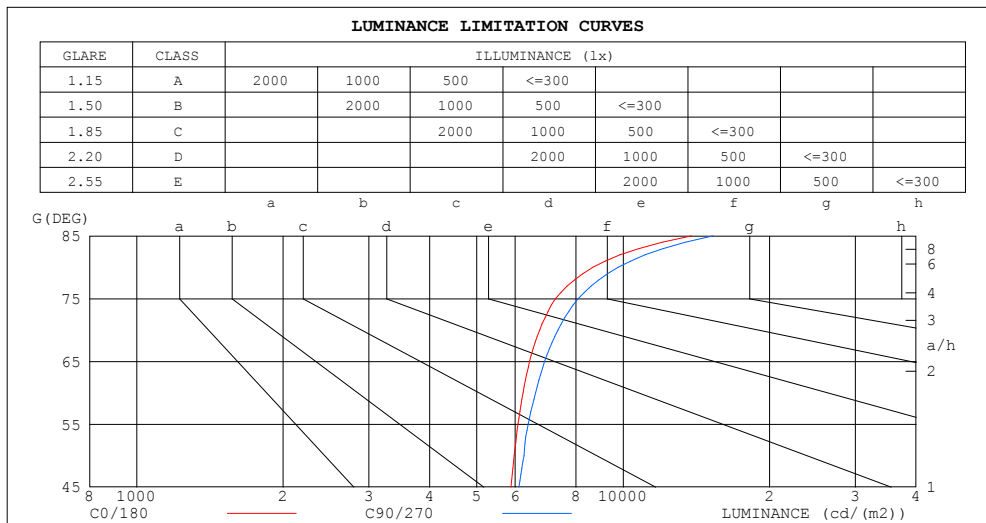
%lamp = 56.5%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.6V I:0.1470A P:17.40W PF:0.9820 Freq:60.00Hz Lamp Flux:1457.62x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 2700K	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:

WEC AND CCEC

Test:U:120.6V I:0.1470A P:17.40W PF:0.9820 Freq:60.00Hz Lamp Flux:1457.62x1 lm					
NAME: DMS11-17W-95C-MVUD 整灯 2700K			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	.198	.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	.105	.031	.184	.098	.030		
6.0	.218	.110	.031	.211	.106	.031	.196	.100	.029	.182	.095	.028	.170	.089	.027		
7.0	.202	.100	.028	.195	.097	.028	.182	.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	.329	.329	.329	.282	.282	.282	.192	.192	.192	.110	.110	.110	.035	.035	.035	
1.0	.324	.296	.270	.277	.254	.233	.190	.175	.161	.109	.101	.094	.035	.033	.030	
2.0	.317	.273	.236	.272	.235	.204	.186	.163	.142	.107	.095	.083	.034	.031	.027	
3.0	.310	.256	.214	.265	.221	.185	.182	.154	.130	.105	.090	.077	.034	.029	.025	
4.0	.302	.244	.199	.259	.211	.173	.178	.147	.122	.103	.086	.072	.033	.028	.024	
5.0	.295	.234	.189	.253	.202	.164	.174	.141	.116	.101	.083	.069	.033	.027	.023	
6.0	.287	.226	.182	.247	.196	.158	.170	.137	.112	.099	.081	.067	.032	.026	.022	
7.0	.280	.219	.177	.241	.190	.154	.167	.133	.109	.097	.079	.065	.031	.026	.021	
8.0	.274	.214	.172	.236	.185	.150	.163	.130	.107	.095	.077	.064	.031	.025	.021	
9.0	.268	.209	.169	.231	.181	.148	.160	.127	.105	.093	.075	.063	.030	.025	.021	
10.0	.262	.205	.167	.226	.178	.146	.157	.125	.103	.091	.074	.062	.030	.024	.020	

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:0.1470A P:17.40W PF:0.9820 Freq:60.00Hz Lamp Flux:1457.62x1 lm										
NAME: DMS11-17W-95C-MVUD 整灯 2700K						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	17.1	18.4	17.6	18.9	19.5
3H	18.8	20.1	19.4	20.6	21.2	19.1	20.4	19.7	20.9	21.5
4H	19.8	21.0	20.4	21.5	22.2	20.2	21.4	20.8	21.9	22.6
6H	20.8	21.9	21.3	22.4	23.1	21.2	22.4	21.8	22.9	23.6
8H	21.3	22.3	21.9	22.9	23.6	21.8	22.9	22.4	23.5	24.1
12H	21.9	22.9	22.5	23.5	24.2	22.4	23.4	23.0	24.0	24.7
4H 2H	17.5	18.7	18.1	19.3	19.9	17.7	18.9	18.3	19.4	20.1
3H	19.7	20.8	20.3	21.4	22.0	20.0	21.0	20.6	21.6	22.3
4H	20.9	21.8	21.5	22.4	23.1	21.2	22.1	21.8	22.8	23.5
6H	22.0	22.8	22.7	23.5	24.2	22.4	23.3	23.1	23.9	24.7
8H	22.6	23.4	23.3	24.1	24.8	23.1	23.9	23.7	24.5	25.3
12H	23.3	24.0	24.0	24.7	25.5	23.8	24.5	24.5	25.2	26.0
8H 4H	21.3	22.1	22.0	22.8	23.5	21.6	22.4	22.3	23.0	23.8
6H	22.7	23.4	23.4	24.1	24.9	23.1	23.7	23.8	24.4	25.2
8H	23.5	24.1	24.2	24.8	25.6	23.9	24.5	24.6	25.2	26.0
12H	24.4	24.9	25.1	25.6	26.5	24.8	25.3	25.6	26.1	26.9
12H 4H	21.4	22.1	22.1	22.8	23.6	21.7	22.4	22.3	23.1	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	24.7	24.9	25.4	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, 1458 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.3$)

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:120.6V I:0.1470A P:17.40W PF:0.9820 Freq:60.00Hz Lamp Flux:1457.62x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

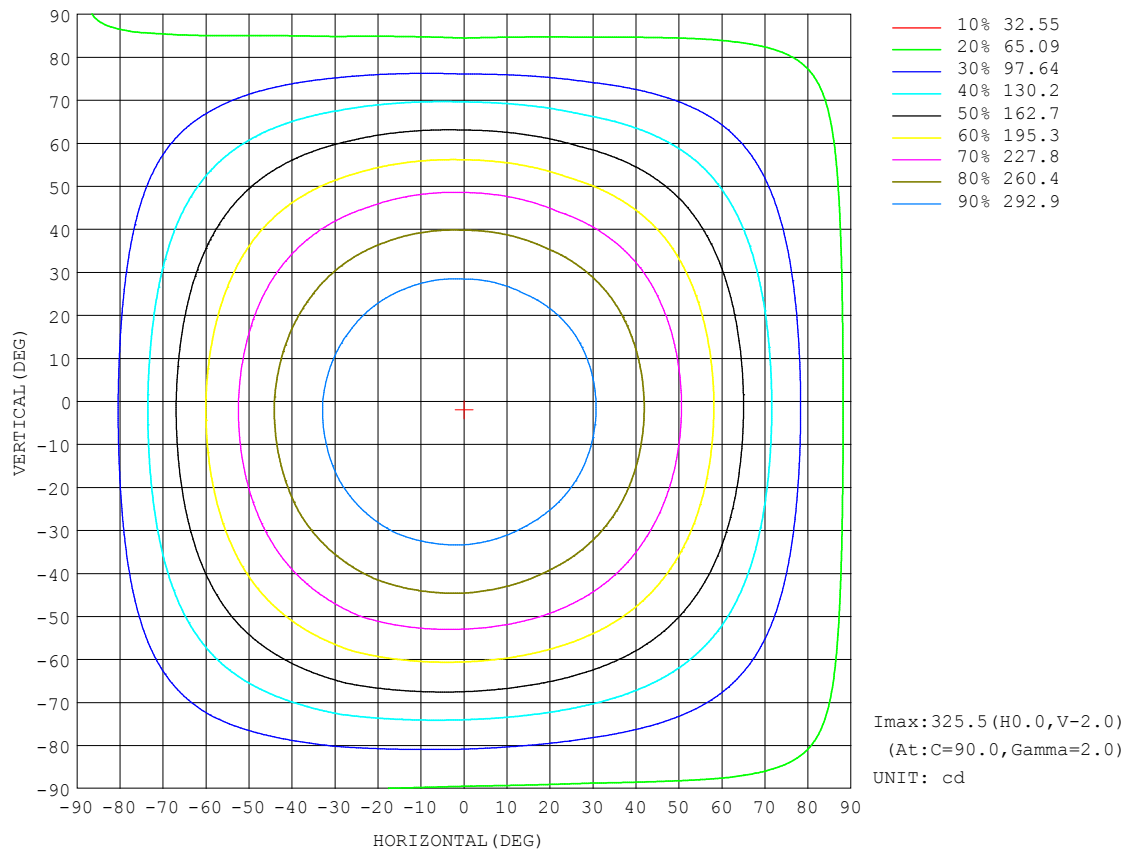
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	36	29	47	36	29	45	35	28	22
0.80	58	45	37	56	44	37	53	43	36	28
1.00	66	53	45	64	52	45	60	53	43	35
1.25	73	61	53	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	66
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:0.1470A P:17.40W PF:0.9820 Freq:60.00Hz Lamp Flux:1457.62x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

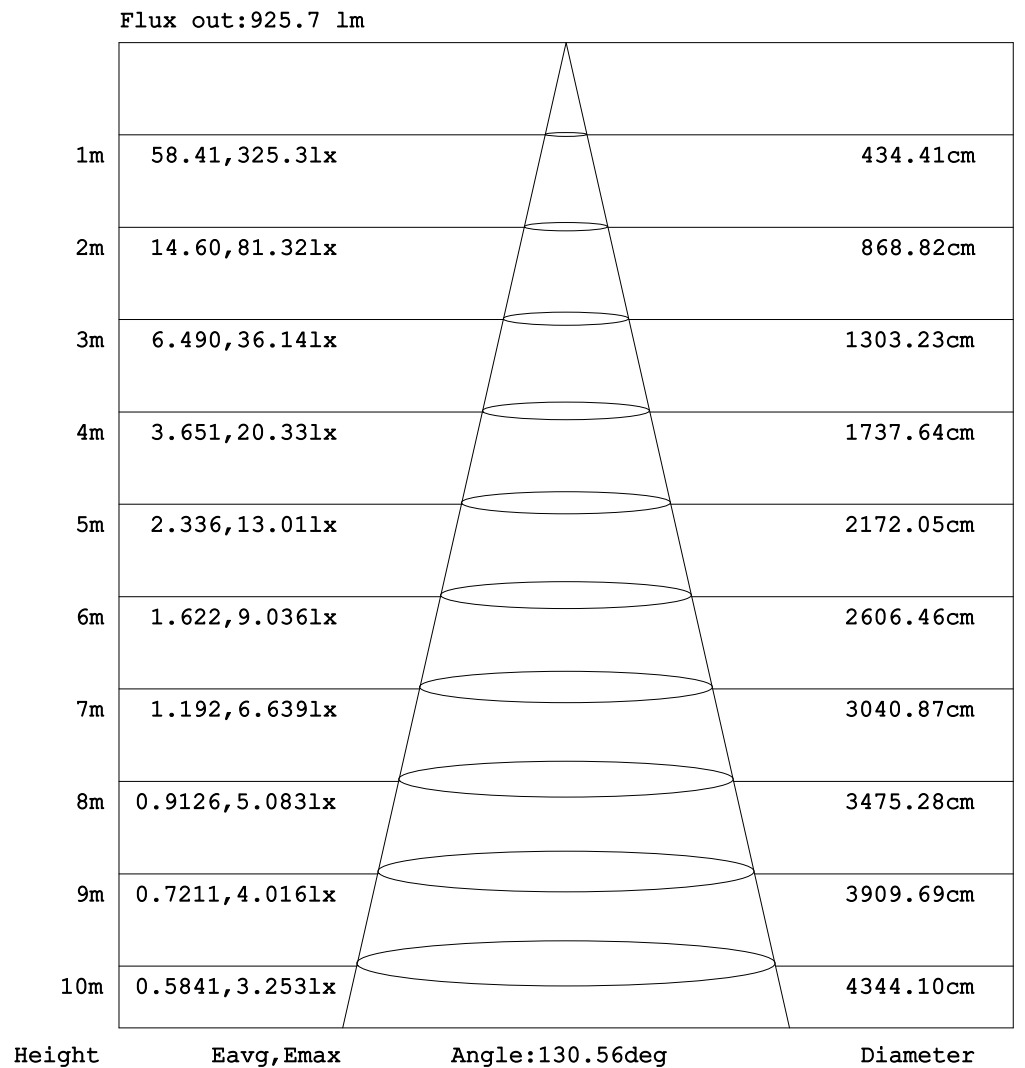


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-08

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:0.1470A P:17.40W PF:0.9820 Freq:60.00Hz Lamp Flux:1457.62x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

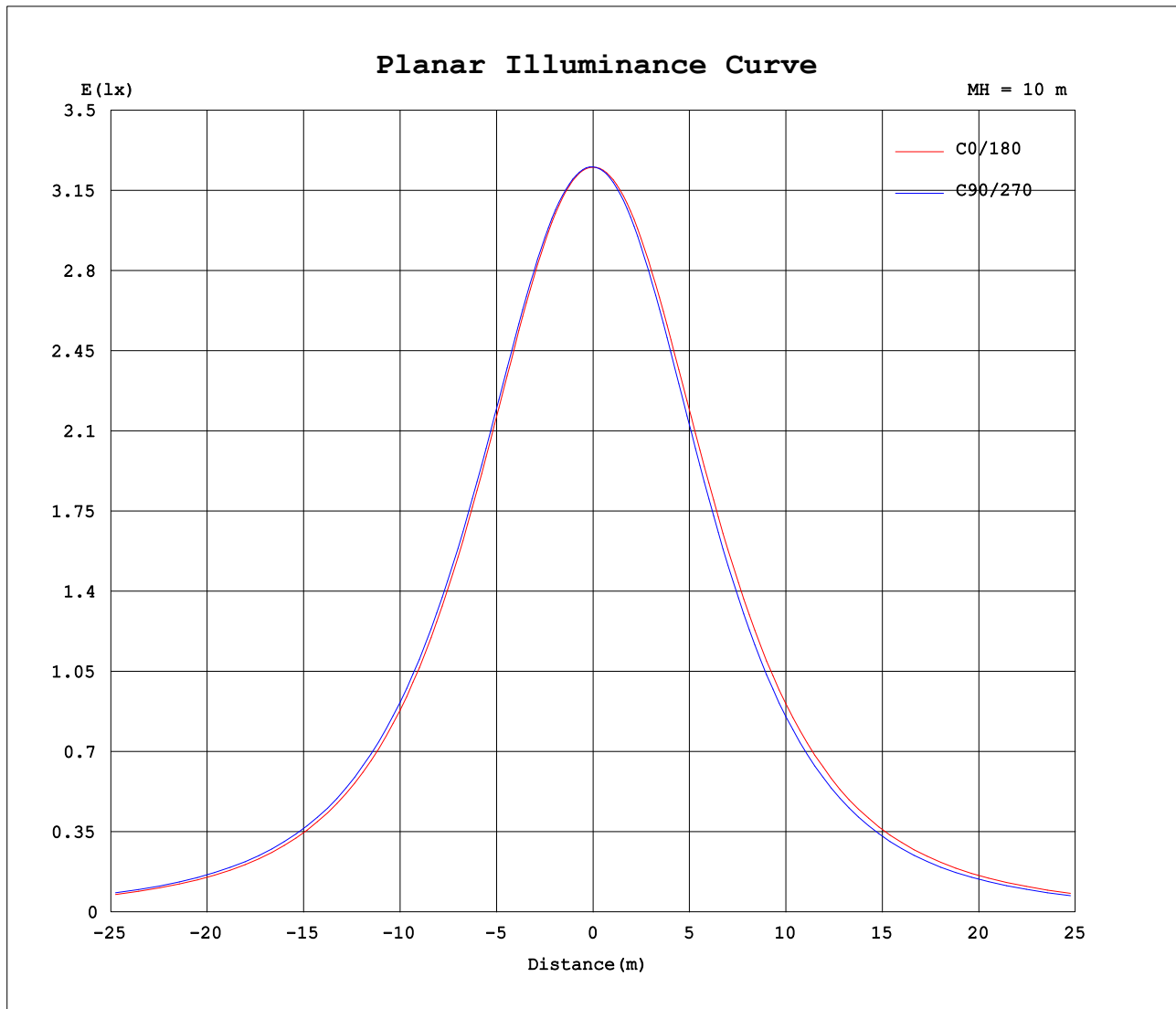


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1470A P:17.40W PF:0.9820 Freq:60.00Hz Lamp Flux:1457.62x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 2700K	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	325	325	325	325	325	325	325	325	325	325	325	325							
5	325	325	325	325	325	325	325	324	324	324	324	324							
10	323	323	324	324	324	325	324	323	322	322	321	322							
15	319	320	320	322	322	322	321	319	318	317	317	318							
20	313	315	315	317	318	318	316	313	311	310	310	312							
25	305	307	308	310	311	311	309	305	302	301	301	303							
30	295	296	298	301	302	302	299	295	291	289	289	292							
35	282	284	285	289	291	290	288	282	278	275	275	279							
40	267	269	271	275	277	277	274	267	263	259	260	264							
45	249	252	254	259	262	261	257	250	245	242	242	246							
50	230	233	236	241	244	243	239	231	225	222	221	227							
55	209	211	216	220	224	221	217	211	204	200	199	206							
60	187	189	194	198	203	200	195	188	181	177	176	183							
65	163	166	170	175	179	176	172	165	157	153	152	159							
70	138	141	146	151	155	152	148	140	133	128	127	134							
75	113	117	121	126	130	127	123	114	108	102	103	109							
80	90.3	93.8	96.8	102	105	104	99.5	91.1	84.7	80.2	81.5	86.3							
85	72.3	74.6	76.5	80.0	82.8	82.5	79.2	71.8	66.3	63.5	65.8	69.4							
90	62.5	63.1	63.0	63.9	65.9	67.1	65.7	60.4	56.5	55.9	58.9	60.9							
95	59.5	59.4	58.2	57.1	58.0	60.4	60.6	56.8	53.8	53.8	56.7	58.4							
100	57.4	57.3	56.3	55.0	55.6	58.2	58.2	54.3	51.7	51.7	54.2	56.2							
105	53.9	54.2	53.5	52.2	52.6	55.4	54.2	50.6	48.7	48.3	51.0	53.1							
110	48.5	50.0	49.9	47.9	48.8	51.9	48.8	46.9	45.4	44.2	47.8	49.4							
115	44.0	46.2	46.4	43.6	45.4	48.3	44.7	43.8	42.5	41.5	44.9	45.8							
120	42.2	43.3	43.4	41.7	42.8	45.0	43.0	41.2	40.1	39.9	42.3	42.9							
125	40.2	40.8	40.8	40.0	40.6	42.2	41.0	38.9	37.9	38.0	39.9	40.3							
130	38.1	38.5	38.5	38.0	38.5	39.6	38.9	36.7	35.7	36.0	37.5	37.9							
135	35.8	36.2	36.2	36.0	36.4	37.2	36.6	34.5	33.3	33.8	35.0	35.5							
140	33.4	33.9	34.0	33.8	34.3	34.8	34.3	32.4	31.2	31.4	32.6	33.2							
145	31.1	31.6	31.7	31.5	32.1	32.4	31.9	30.1	29.0	28.9	30.1	30.7							
150	28.5	29.1	29.2	29.2	29.8	29.7	29.2	27.7	26.8	26.6	27.5	27.8							
155	26.0	26.6	26.7	26.8	27.3	26.7	26.7	25.1	24.4	24.2	24.7	25.1							
160	23.6	24.1	24.0	24.5	24.6	23.7	24.2	22.5	21.9	21.9	21.7	22.4							
165	21.3	21.6	21.4	22.3	21.4	20.9	21.8	20.0	19.5	19.4	19.0	19.6							
170	19.0	19.1	18.8	19.6	18.9	18.2	19.2	17.5	17.2	17.0	16.5	17.0							
175	18.3	18.5	17.7	18.1	17.8	17.3	18.3	17.1	17.0	16.7	16.5	17.1							
180	18.5	17.7	17.2	17.6	17.4	17.4	18.6	17.7	17.2	17.6	17.4	17.4							

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: