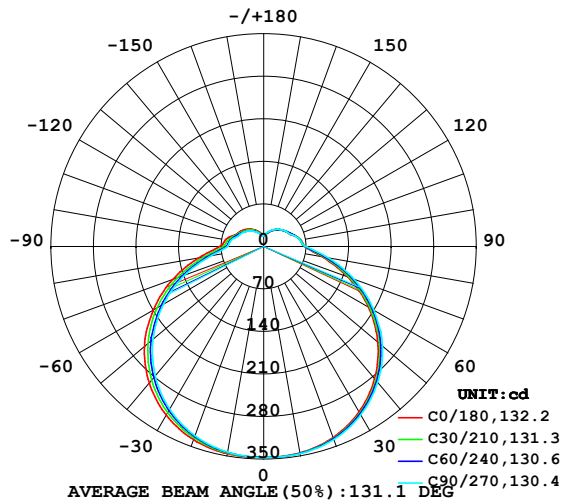


LUMINAIRE PHOTOMETRIC TEST REPORT

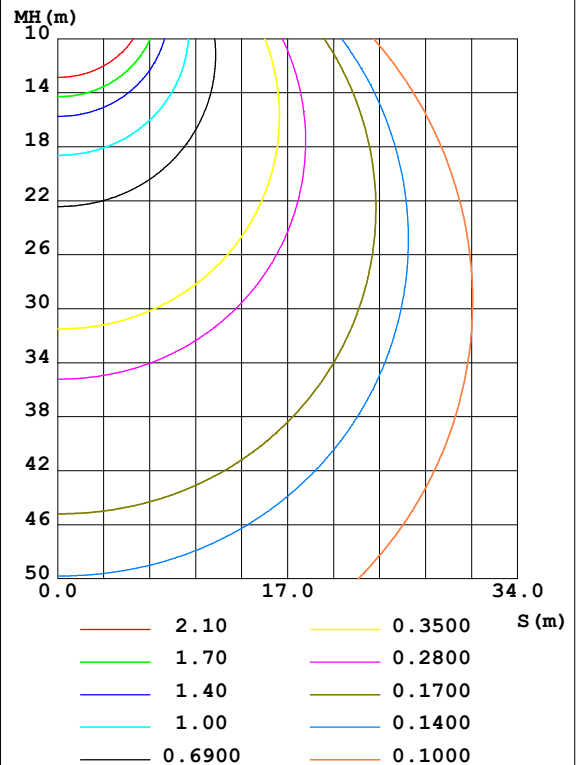
Test:U:120.6V I:0.1490A P:17.60W PF:0.9820 Freq:60.00Hz Lamp Flux:1565.05x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.92 lm/W			
MODEL		I _{max} (cd)	347.9	S/MH (C0/180)	1.37
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.32
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1565.1	η UP, DN (C0-180)	9.5, 41.7
NOMINAL FLUX (lm)	1565.05	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	9.0, 39.8
LAMPS INSIDE	1	η up (%)	18.5	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	81.5	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	344.8	345.6	346.1	346.9	346.3	344.5	343.6	344.0	0- 10	33.07	33.07	2.11,2.11
20	334.4	336.2	337.8	339.8	338.3	334.1	331.2	332.0	10- 20	96.55	129.6	8.28,8.28
30	314.1	317.1	319.7	323.1	320.7	313.9	309.3	310.1	20- 30	150.9	280.5	17.9,17.9
40	284.1	288.1	292.0	296.3	293.1	284.1	277.9	278.8	30- 40	189.5	470.0	30,30
50	245.1	250.3	255.2	260.1	256.2	245.5	237.9	238.5	40- 50	207.5	677.4	43.3,43.3
60	198.8	204.1	209.2	215.2	210.0	198.6	190.8	191.1	50- 60	202.3	879.7	56.2,56.2
70	147.4	153.0	158.5	164.7	159.4	147.1	138.6	139.1	60- 70	175.2	1055	67.4,67.4
80	96.88	102.1	107.5	112.5	108.3	95.62	87.35	89.81	70- 80	132.0	1187	75.8,75.8
90	67.74	68.23	69.38	72.73	72.40	64.22	59.91	64.63	80- 90	88.50	1275	81.5,81.5
100	62.33	61.62	60.89	62.27	63.97	58.15	55.37	59.56	90-100	68.98	1344	85.9,85.9
110	52.70	54.31	53.07	55.10	53.54	50.71	47.52	52.41	100-110	60.19	1405	89.7,89.7
120	45.74	47.06	46.05	48.03	47.21	44.65	43.04	45.98	110-120	48.71	1453	92.9,92.9
130	41.26	41.81	41.93	42.70	42.69	39.70	38.75	40.72	120-130	39.21	1492	95.4,95.4
140	36.15	36.84	37.16	37.77	37.56	34.86	33.65	35.55	130-140	30.04	1523	97.3,97.3
150	30.76	31.65	31.93	32.47	31.98	29.78	28.47	29.99	140-150	21.18	1544	98.6,98.6
160	25.48	26.05	26.79	26.35	26.42	24.11	23.40	23.99	150-160	13.08	1557	99.5,99.5
170	20.45	20.46	21.27	20.20	21.01	18.74	18.48	18.18	160-170	6.451	1563	99.9,99.9
180	20.17	18.96	19.06	18.91	20.17	18.98	19.08	18.92	170-180	1.819	1565	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 572.85 lm

%lum = 36.6%

%lamp = 36.6%

Conical surface Flux(120deg): 879.67 lm

%lum = 56.2%

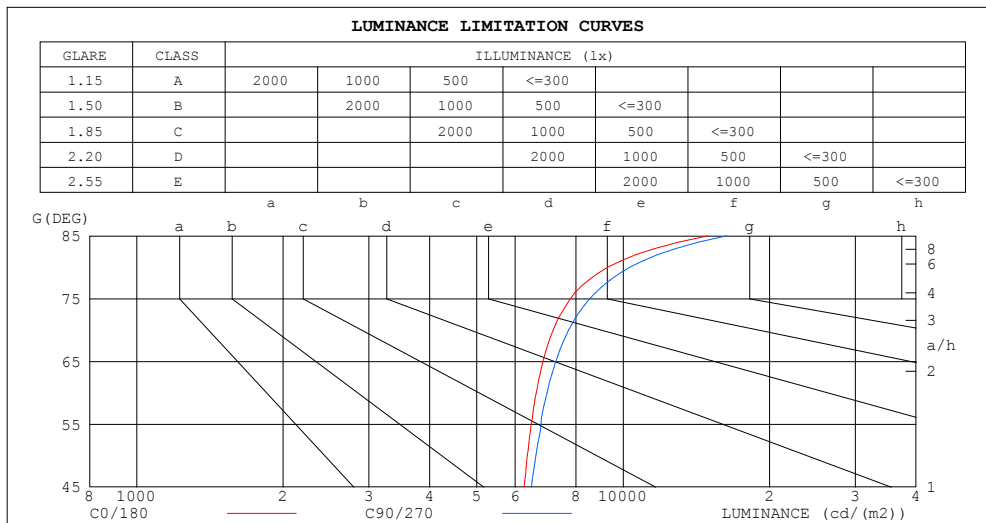
%lamp = 56.2%

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:0.1490A P:17.60W PF:0.9820 Freq:60.00Hz Lamp Flux:1565.05x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	14932	16312
80	9298	10316
75	7793	8537
70	7183	7725
65	6844	7272
60	6628	6973
55	6472	6775
50	6356	6617
45	6260	6475

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:0.1490A P:17.60W PF:0.9820 Freq:60.00Hz Lamp Flux:1565.05x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 5000K	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	.216	.116	.035	.201	.109	.033	
5.0	.238	.121	.035	.229	.118	.034	.213	.111	.033	.198	.104	.031	.184	.098	.029	
6.0	.218	.109	.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	.086	.025	.157	.081	.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	.069	.020	
10.0	.164	.079	.022	.159	.077	.021	.148	.073	.020	.138	.069	.019	.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	.331	.331	.331	.283	.283	.283	.193	.193	.193	.111	.111	.111	.036	.036	.036	
1.0	.326	.298	.272	.279	.256	.235	.191	.176	.162	.110	.102	.094	.035	.033	.030	
2.0	.319	.275	.238	.273	.237	.206	.187	.164	.143	.108	.095	.084	.035	.031	.027	
3.0	.312	.258	.216	.267	.223	.187	.183	.155	.131	.106	.090	.077	.034	.029	.025	
4.0	.304	.246	.201	.261	.212	.175	.179	.148	.123	.104	.087	.073	.033	.028	.024	
5.0	.297	.236	.191	.255	.204	.166	.175	.143	.117	.102	.084	.070	.033	.027	.023	
6.0	.289	.228	.184	.249	.197	.160	.172	.138	.113	.100	.081	.067	.032	.027	.022	
7.0	.282	.221	.179	.243	.192	.156	.168	.135	.110	.098	.079	.066	.032	.026	.022	
8.0	.276	.216	.175	.238	.187	.152	.164	.131	.108	.096	.078	.064	.031	.025	.021	
9.0	.270	.211	.171	.232	.183	.150	.161	.129	.106	.094	.076	.063	.030	.025	.021	
10.0	.264	.207	.169	.228	.180	.147	.158	.126	.105	.092	.075	.063	.030	.025	.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:0.1490A P:17.60W PF:0.9820 Freq:60.00Hz Lamp Flux:1565.05x1 lm											
NAME: DMS11-17W-95C-MVUD 整灯 5000K						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	18.1	17.3	18.6	19.2	17.0	18.3	17.5	18.8	19.4	
	3H	18.8	20.0	19.3	20.5	21.2	19.1	20.3	19.6	20.8	21.4
	4H	19.7	20.9	20.3	21.5	22.1	20.1	21.3	20.7	21.8	22.5
	6H	20.7	21.8	21.3	22.4	23.1	21.1	22.3	21.7	22.8	23.5
	8H	21.2	22.3	21.8	22.9	23.6	21.7	22.8	22.3	23.4	24.0
	12H	21.8	22.9	22.4	23.5	24.1	22.3	23.3	22.9	23.9	24.6
4H	2H	17.5	18.7	18.1	19.2	19.9	17.6	18.8	18.2	19.4	20.0
	3H	19.7	20.7	20.3	21.3	22.0	19.9	20.9	20.5	21.5	22.2
	4H	20.8	21.8	21.4	22.4	23.1	21.1	22.1	21.7	22.7	23.4
	6H	22.0	22.8	22.6	23.5	24.2	22.3	23.2	23.0	23.8	24.6
	8H	22.6	23.4	23.3	24.0	24.8	23.0	23.8	23.7	24.4	25.2
	12H	23.3	24.0	24.0	24.7	25.5	23.7	24.4	24.4	25.1	25.9
8H	4H	21.3	22.1	21.9	22.7	23.5	21.5	22.3	22.2	23.0	23.7
	6H	22.7	23.3	23.4	24.0	24.8	23.0	23.7	23.7	24.3	25.2
	8H	23.5	24.1	24.2	24.8	25.6	23.8	24.4	24.5	25.1	25.9
	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	22.0	22.8	23.5	21.6	22.3	22.3	23.0	23.8
	6H	22.9	23.5	23.6	24.2	25.0	23.2	23.7	23.9	24.5	25.3
	8H	23.8	24.3	24.5	25.0	25.8	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, 1565 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:0.1490A P:17.60W PF:0.9820 Freq:60.00Hz Lamp Flux:1565.05x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

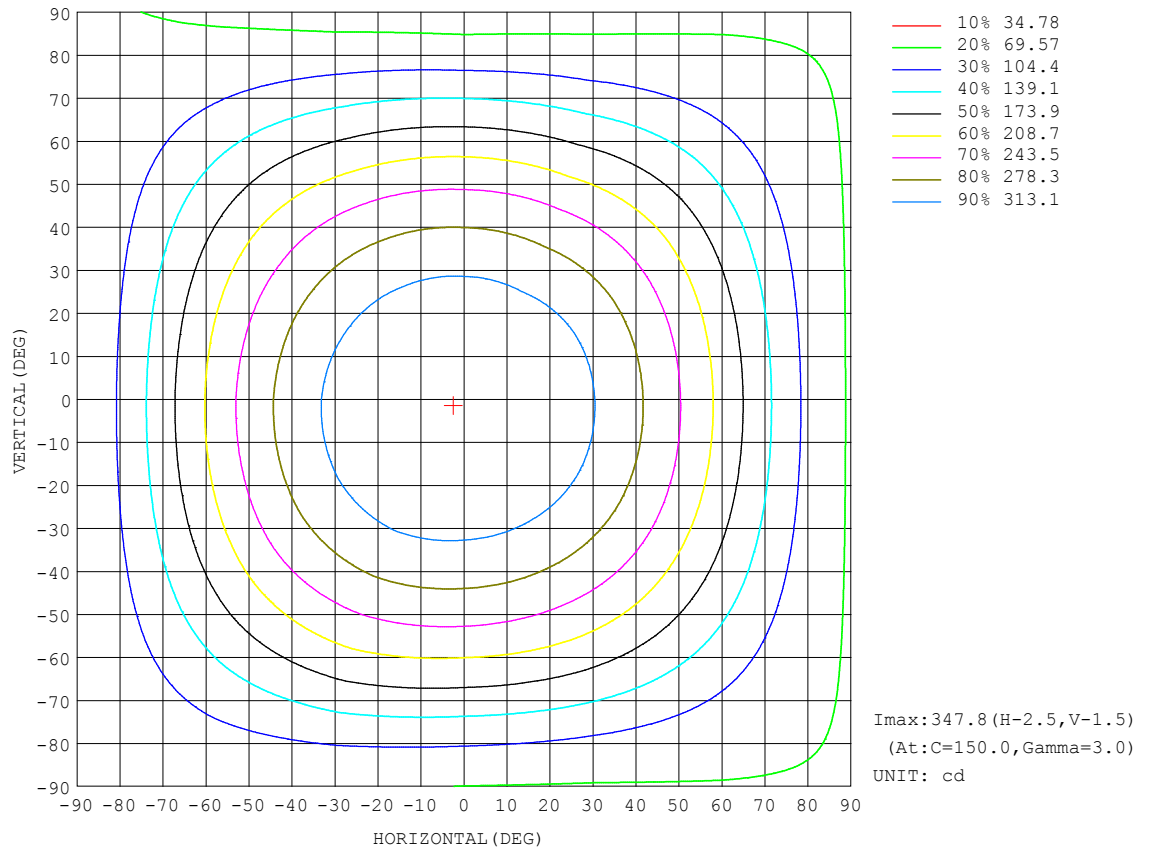
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	36	29	47	36	29	45	35	28	22
0.80	58	45	37	56	44	37	53	43	36	28
1.00	66	53	45	64	52	44	60	52	43	34
1.25	73	61	52	70	59	51	66	56	50	40
1.50	78	66	58	75	65	57	70	61	55	44
2.00	85	75	67	82	72	65	76	68	62	51
2.50	90	80	72	86	77	71	80	73	67	54
3.00	93	85	78	90	82	75	83	77	71	58
4.00	98	90	84	94	87	82	87	81	77	62
5.00	101	94	89	97	91	86	89	85	80	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:0.1490A P:17.60W PF:0.9820 Freq:60.00Hz Lamp Flux:1565.05x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

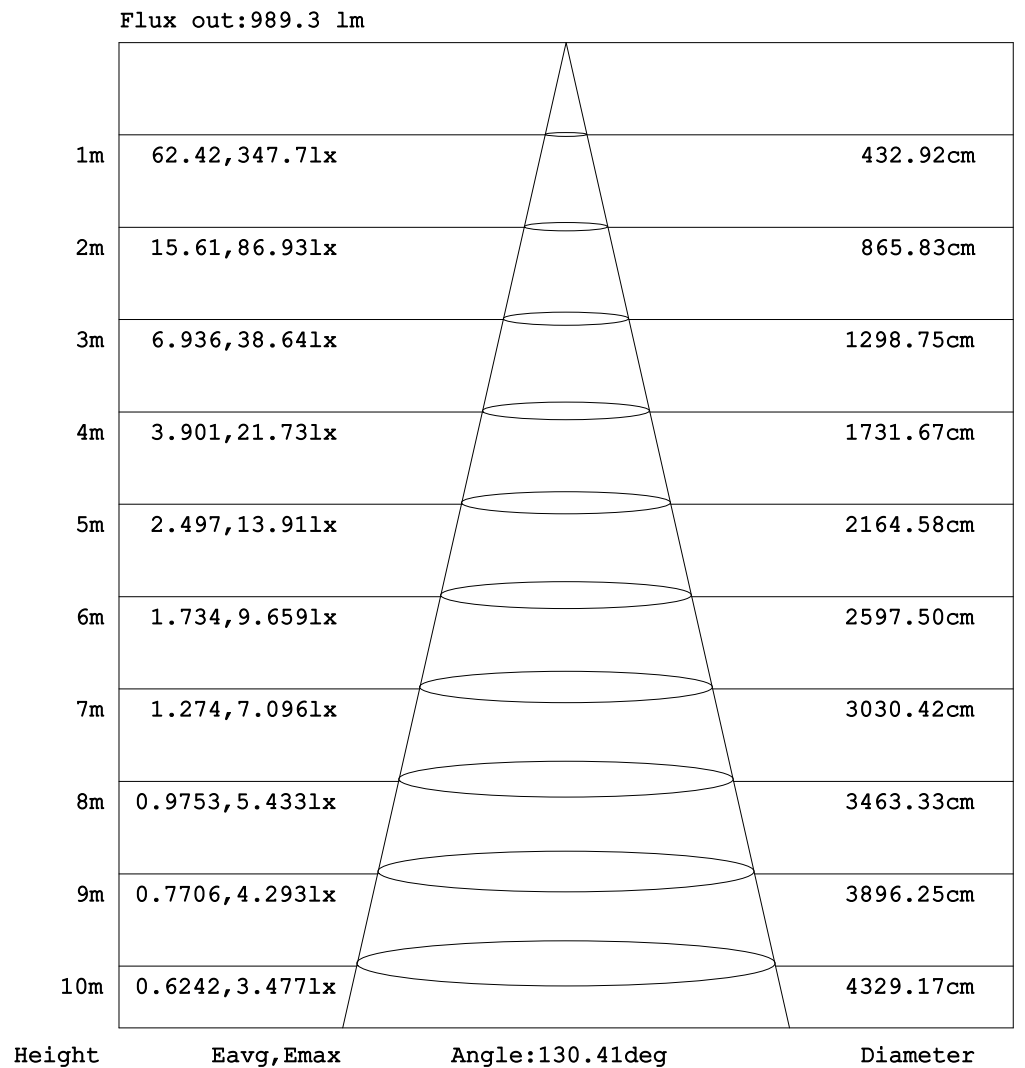


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-08

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:0.1490A P:17.60W PF:0.9820 Freq:60.00Hz Lamp Flux:1565.05x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:11寸	Shielding Angle:

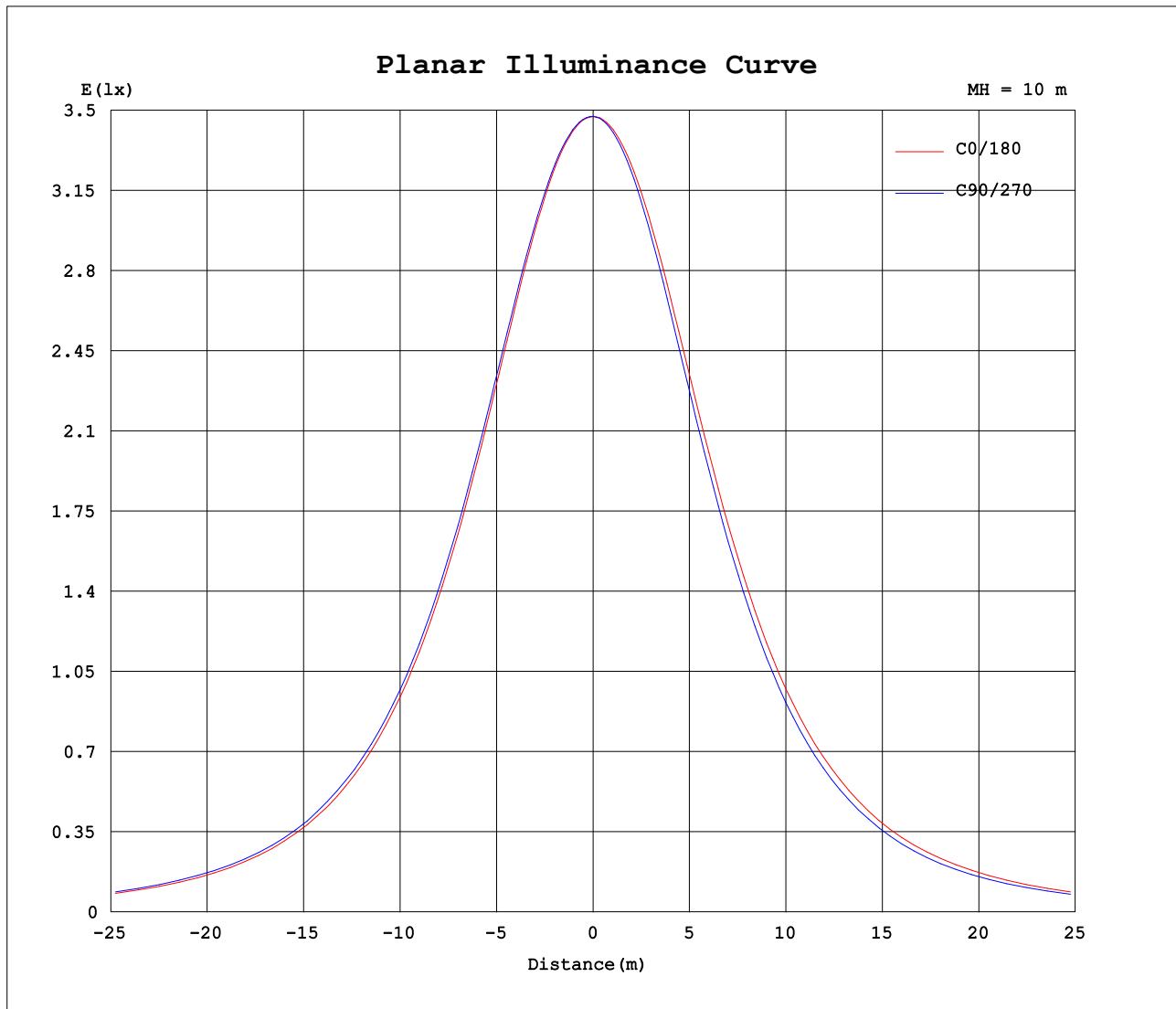


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1490A P:17.60W PF:0.9820 Freq:60.00Hz Lamp Flux:1565.05x1 lm		
NAME: DMS11-17W-95C-MVUD 整灯 5000K	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	347	347	347	347	347	348	347	347	347	347	347	348							
5	347	347	347	347	348	348	347	347	346	346	346	347							
10	345	345	346	346	347	347	346	345	344	344	343	345							
15	341	342	342	343	344	345	343	341	340	339	338	340							
20	334	336	337	338	340	340	338	335	333	331	331	333							
25	326	327	328	330	333	333	331	327	324	321	321	324							
30	314	316	318	320	323	323	321	316	312	309	308	312							
35	300	303	305	307	311	311	308	303	298	295	293	298							
40	284	287	289	292	296	296	293	287	281	278	276	281							
45	266	269	271	275	279	279	276	269	263	259	257	262							
50	245	249	251	255	260	260	256	249	242	238	236	242							
55	223	226	230	233	239	239	234	226	219	215	212	219							
60	199	202	206	209	216	214	210	203	195	191	188	195							
65	174	177	181	184	192	189	185	177	169	165	162	169							
70	147	151	155	159	166	163	159	151	143	139	136	143							
75	121	125	129	133	139	137	133	125	117	111	110	116							
80	96.9	101	104	107	113	112	108	99.3	91.9	87.4	87.1	92.5							
85	78.1	80.5	82.1	85.3	89.6	89.9	86.7	78.9	72.4	68.8	70.7	74.9							
90	67.7	68.3	68.1	69.4	71.8	73.6	72.4	66.7	61.8	59.9	63.3	66.0							
95	64.6	64.3	63.1	63.0	63.4	66.2	66.6	62.7	58.8	57.5	61.0	63.2							
100	62.3	62.1	61.1	60.9	60.7	63.8	64.0	59.8	56.5	55.4	58.3	60.8							
105	58.5	58.8	58.1	57.8	57.4	60.7	59.6	55.8	53.3	51.8	54.9	57.5							
110	52.7	54.4	54.2	53.1	53.3	56.9	53.5	51.7	49.7	47.5	51.4	53.4							
115	47.7	50.2	50.3	48.4	49.6	52.9	49.2	48.3	46.6	44.7	48.3	49.5							
120	45.7	47.0	47.1	46.0	46.7	49.3	47.2	45.4	43.9	43.0	45.6	46.3							
125	43.6	44.3	44.4	44.1	44.3	46.2	45.0	42.8	41.4	41.0	43.1	43.5							
130	41.3	41.8	41.8	41.9	42.0	43.4	42.7	40.4	39.0	38.8	40.5	40.9							
135	38.8	39.3	39.4	39.6	39.7	40.7	40.2	38.1	36.4	36.3	37.9	38.3							
140	36.1	36.8	36.9	37.2	37.4	38.1	37.6	35.7	34.0	33.6	35.4	35.7							
145	33.5	34.2	34.4	34.6	35.0	35.5	34.8	33.2	31.6	31.0	32.7	33.0							
150	30.8	31.6	31.7	31.9	32.4	32.5	32.0	30.5	29.1	28.5	29.8	30.1							
155	28.0	28.8	28.9	29.4	29.7	29.2	29.2	27.6	26.4	25.9	26.9	27.2							
160	25.5	26.1	26.0	26.8	26.7	26.0	26.4	24.7	23.6	23.4	23.7	24.3							
165	23.0	23.3	23.1	24.3	23.3	22.9	23.7	21.8	20.9	21.0	20.7	21.2							
170	20.4	20.6	20.3	21.3	20.5	19.9	21.0	19.0	18.4	18.5	18.0	18.4							
175	19.9	20.1	19.2	19.6	19.3	18.8	20.0	18.5	18.3	18.0	18.0	18.7							
180	20.2	19.2	18.7	19.1	18.9	18.9	20.2	19.2	18.7	19.1	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: