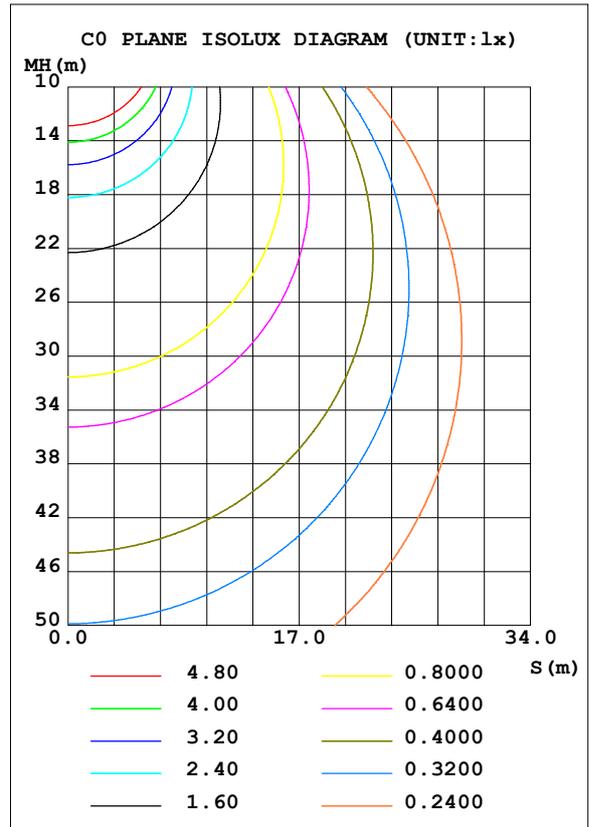
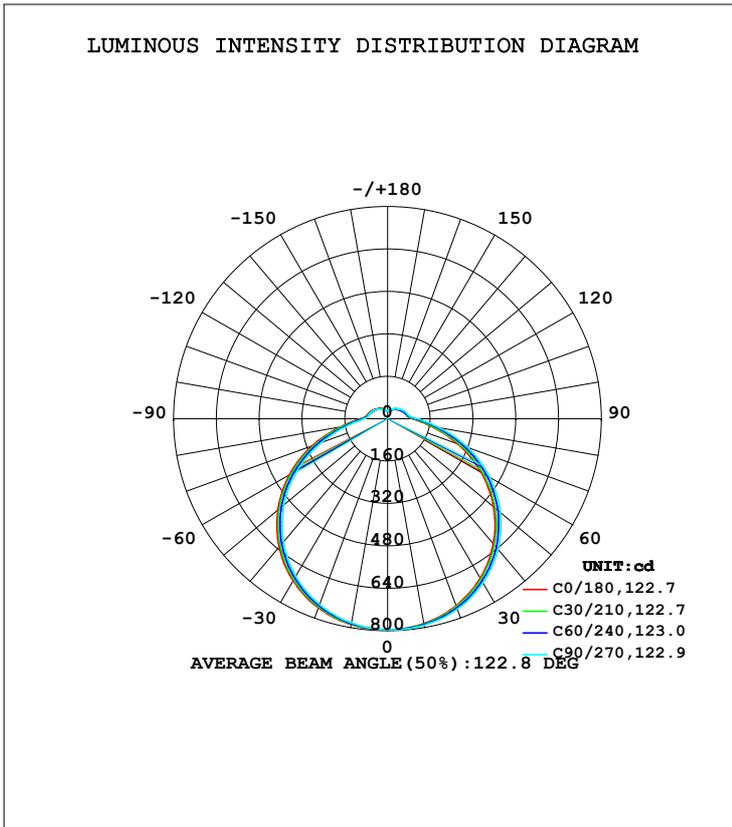


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.2840A P:33.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3036.34x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.57 lm/W			
MODEL		I _{max} (cd)	796.8	S/MH (C0/180)	1.32
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)		TOTAL FLUX (lm)	3036.3	η UP, DN (C0-180)	6.4, 44.8
NOMINAL FLUX (lm)	3036.34	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.2, 42.6
LAMPS INSIDE	1	η up (%)	12.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	87.3	CIBSE SHR MAX	1.50



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	784.2	786.7	790.4	790.9	788.2	785.4	781.9	781.2	0- 10	75.51	75.51	2.49,2.49
20	750.4	756.1	764.2	764.8	758.7	753.0	745.4	744.1	10- 20	218.4	293.9	9.68,9.68
30	693.7	702.8	714.6	715.3	705.9	697.6	686.3	684.5	20- 30	336.7	630.7	20.8,20.8
40	615.4	627.4	642.9	643.5	630.9	620.3	605.7	603.5	30- 40	415.9	1047	34.5,34.5
50	517.6	532.5	550.8	551.2	536.3	523.5	505.8	504.0	40- 50	446.0	1493	49.2,49.2
60	403.9	420.5	441.8	442.0	424.6	409.7	389.7	388.4	50- 60	423.0	1916	63.1,63.1
70	279.6	297.0	319.2	319.9	301.0	284.6	263.8	263.3	60- 70	350.1	2266	74.6,74.6
80	164.0	177.4	195.9	197.4	180.5	166.8	151.1	150.6	70- 80	242.8	2509	82.6,82.6
90	93.41	100.6	111.1	111.9	103.1	95.32	88.29	88.11	80- 90	143.2	2652	87.3,87.3
100	73.25	75.97	79.59	79.83	77.65	74.57	72.68	72.25	90-100	91.93	2744	90.4,90.4
110	67.91	68.72	72.96	71.31	71.76	67.71	67.92	65.91	100-110	76.57	2820	92.9,92.9
120	60.46	60.48	65.30	62.69	64.53	60.50	61.28	58.82	110-120	64.77	2885	95,95
130	52.57	54.12	56.67	55.92	56.71	54.79	53.79	53.20	120-130	52.02	2937	96.7,96.7
140	46.77	48.15	50.44	49.68	50.68	49.16	47.95	47.59	130-140	40.13	2977	98.1,98.1
150	40.36	41.72	43.55	42.80	44.06	42.95	41.48	41.29	140-150	28.70	3006	99,99
160	33.97	35.07	36.81	35.60	37.41	36.11	35.04	34.49	150-160	18.09	3024	99.6,99.6
170	30.81	31.04	32.25	31.26	32.27	31.72	31.04	30.24	160-170	9.404	3033	99.9,99.9
180	31.27	30.48	31.40	30.39	31.29	30.50	31.39	30.42	170-180	2.937	3036	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1269.1 lm

%lum = 41.8%

%lamp = 41.8%

Conical surface Flux(120deg): 1915.6 lm

%lum = 63.1%

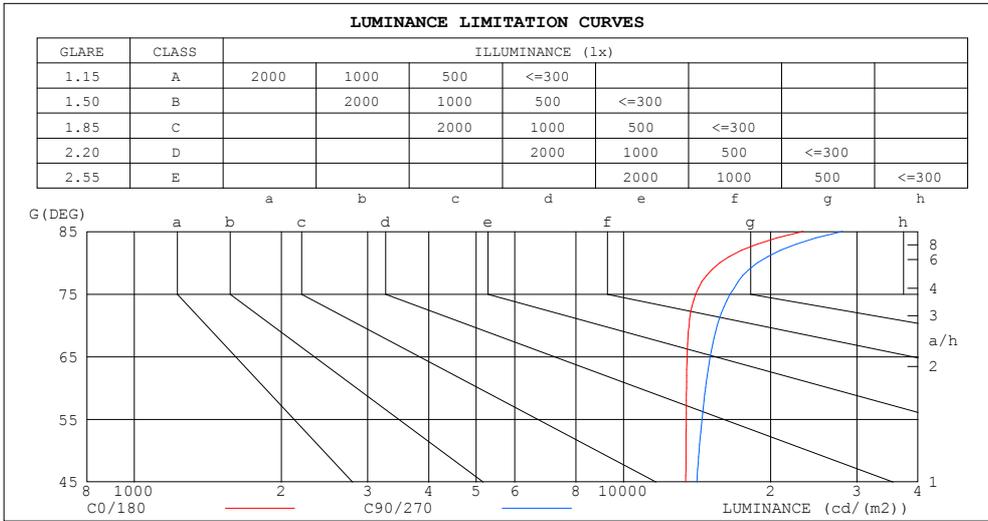
%lamp = 63.1%

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:0.2840A P:33.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3036.34x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23297	28036
80	15741	18806
75	14053	16524
70	13624	15556
65	13499	15045
60	13463	14726
55	13442	14486
50	13421	14281
45	13403	14128

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:0.2840A P:33.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3036.34x1 lm														
NAME: DMS19-34W-95C-MVUD 整灯 5000K					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	.348	.198	.063	.337	.192	.061	.316	.181	.058	.297	.171	.055	.280	.162	.052	
2.0	.312	.171	.052	.302	.166	.051	.284	.158	.049	.267	.150	.047	.251	.142	.045	
3.0	.282	.150	.045	.274	.147	.044	.257	.139	.042	.241	.132	.041	.227	.126	.039	
4.0	.257	.134	.039	.249	.130	.039	.234	.124	.037	.220	.118	.036	.207	.113	.034	
5.0	.236	.120	.035	.229	.117	.034	.215	.112	.033	.202	.107	.032	.190	.102	.031	
6.0	.217	.109	.031	.211	.106	.031	.198	.102	.030	.187	.097	.029	.176	.093	.027	
7.0	.201	.099	.028	.195	.097	.028	.184	.093	.027	.173	.089	.026	.163	.085	.025	
8.0	.187	.092	.026	.182	.090	.025	.172	.086	.024	.162	.082	.024	.153	.078	.023	
9.0	.175	.085	.024	.170	.083	.023	.161	.079	.022	.152	.076	.022	.143	.073	.021	
10.0	.164	.079	.022	.160	.077	.021	.151	.074	.021	.143	.071	.020	.135	.068	.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	.287	.287	.287	.245	.245	.245	.167	.167	.167	.096	.096	.096	.031	.031	.031	
1.0	.280	.253	.229	.240	.217	.197	.164	.149	.136	.094	.086	.079	.030	.028	.026	
2.0	.273	.230	.193	.234	.198	.167	.160	.137	.117	.092	.080	.068	.030	.026	.022	
3.0	.265	.213	.171	.227	.184	.148	.156	.128	.104	.090	.074	.061	.029	.024	.020	
4.0	.258	.200	.156	.221	.173	.136	.152	.120	.095	.088	.071	.056	.028	.023	.019	
5.0	.250	.190	.146	.215	.164	.127	.148	.115	.089	.086	.067	.053	.028	.022	.017	
6.0	.243	.182	.138	.209	.158	.120	.144	.110	.085	.084	.065	.051	.027	.021	.017	
7.0	.236	.175	.133	.203	.152	.116	.140	.107	.082	.082	.063	.049	.026	.021	.016	
8.0	.230	.170	.128	.198	.147	.112	.137	.103	.079	.080	.061	.047	.026	.020	.016	
9.0	.223	.165	.125	.192	.143	.109	.133	.101	.078	.078	.059	.046	.025	.019	.015	
10.0	.218	.161	.123	.188	.140	.107	.130	.098	.076	.076	.058	.045	.025	.019	.015	

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:0.2840A P:33.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3036.34x1 lm										
NAME: DMS19-34W-95C-MVUD 整灯 5000K					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	17.3	18.7	17.8	19.2	19.6	17.7	19.1	18.1	19.5	19.9
3H	19.1	20.4	19.6	20.9	21.3	19.6	20.9	20.1	21.3	21.8
4H	19.9	21.2	20.4	21.6	22.1	20.5	21.8	21.0	22.2	22.7
6H	20.7	21.9	21.2	22.3	22.9	21.4	22.6	21.9	23.1	23.6
8H	21.1	22.2	21.6	22.7	23.3	21.9	23.0	22.4	23.5	24.0
12H	21.5	22.6	22.1	23.1	23.7	22.4	23.4	22.9	23.9	24.5
4H 2H	18.0	19.3	18.5	19.7	20.2	18.3	19.5	18.8	20.0	20.5
3H	20.0	21.1	20.5	21.6	22.2	20.4	21.5	20.9	22.0	22.6
4H	21.0	21.9	21.5	22.5	23.1	21.5	22.5	22.0	23.0	23.6
6H	21.9	22.8	22.5	23.3	24.0	22.5	23.4	23.1	24.0	24.6
8H	22.4	23.2	23.0	23.8	24.4	23.1	23.9	23.7	24.5	25.1
12H	22.9	23.7	23.5	24.3	24.9	23.7	24.4	24.3	25.0	25.7
8H 4H	21.4	22.2	22.0	22.8	23.4	21.8	22.6	22.4	23.2	23.9
6H	22.5	23.2	23.2	23.8	24.5	23.1	23.8	23.7	24.4	25.1
8H	23.2	23.8	23.8	24.4	25.1	23.8	24.4	24.5	25.1	25.8
12H	23.9	24.4	24.6	25.1	25.8	24.6	25.1	25.3	25.8	26.5
12H 4H	21.4	22.2	22.1	22.8	23.5	21.9	22.6	22.5	23.2	23.9
6H	22.7	23.3	23.3	23.9	24.7	23.2	23.8	23.9	24.5	25.2
8H	23.4	24.0	24.1	24.6	25.3	24.0	24.5	24.7	25.2	25.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 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, 3036 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.9)

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:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.2840A P:33.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3036.34x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

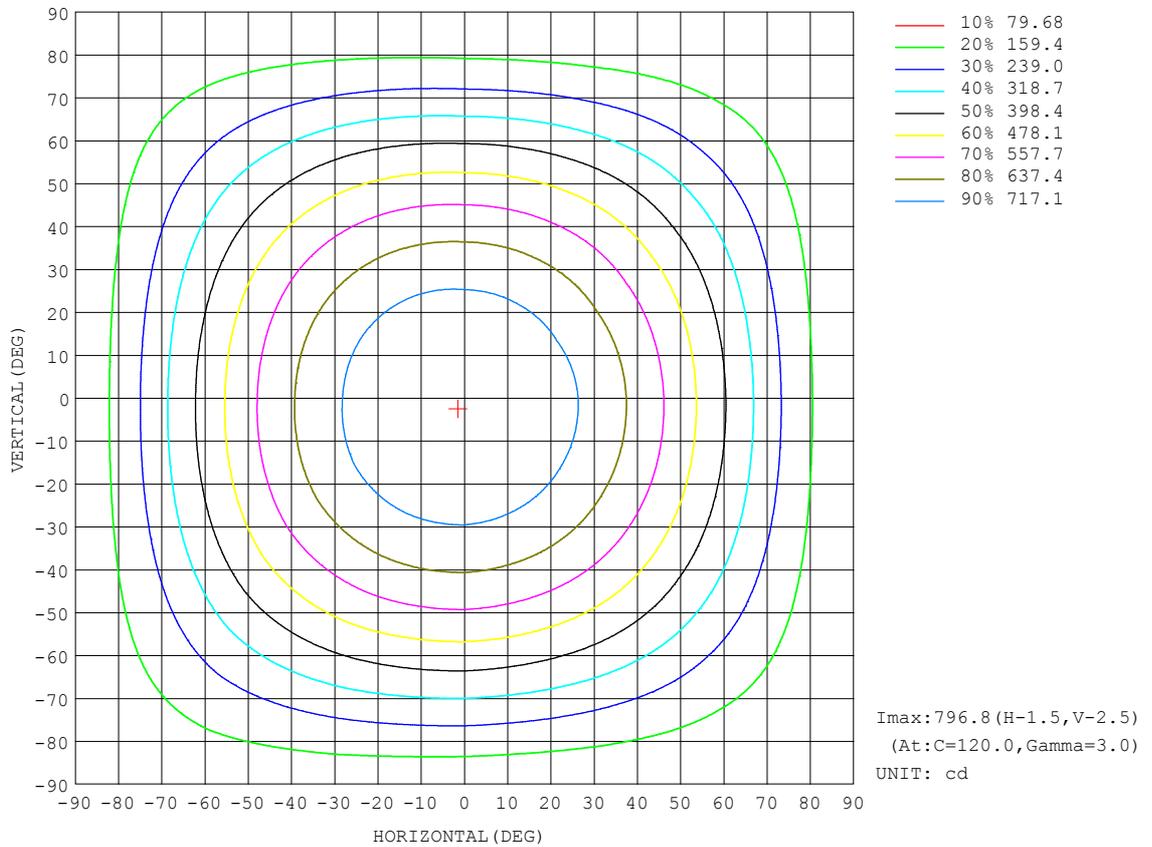
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	32	50	39	32	48	38	31	25
0.80	61	48	41	59	48	40	57	46	40	32
1.00	69	57	49	67	56	48	64	56	47	39
1.25	76	64	56	74	63	56	70	61	54	45
1.50	81	70	62	79	68	61	74	66	59	50
2.00	88	78	71	85	76	69	80	73	67	56
2.50	92	83	76	89	81	75	84	77	72	60
3.00	96	88	81	93	85	79	87	81	76	64
4.00	100	94	88	97	91	86	91	86	81	69
5.00	103	97	92	100	94	90	93	89	85	72
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:0.2840A P:33.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3036.34x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

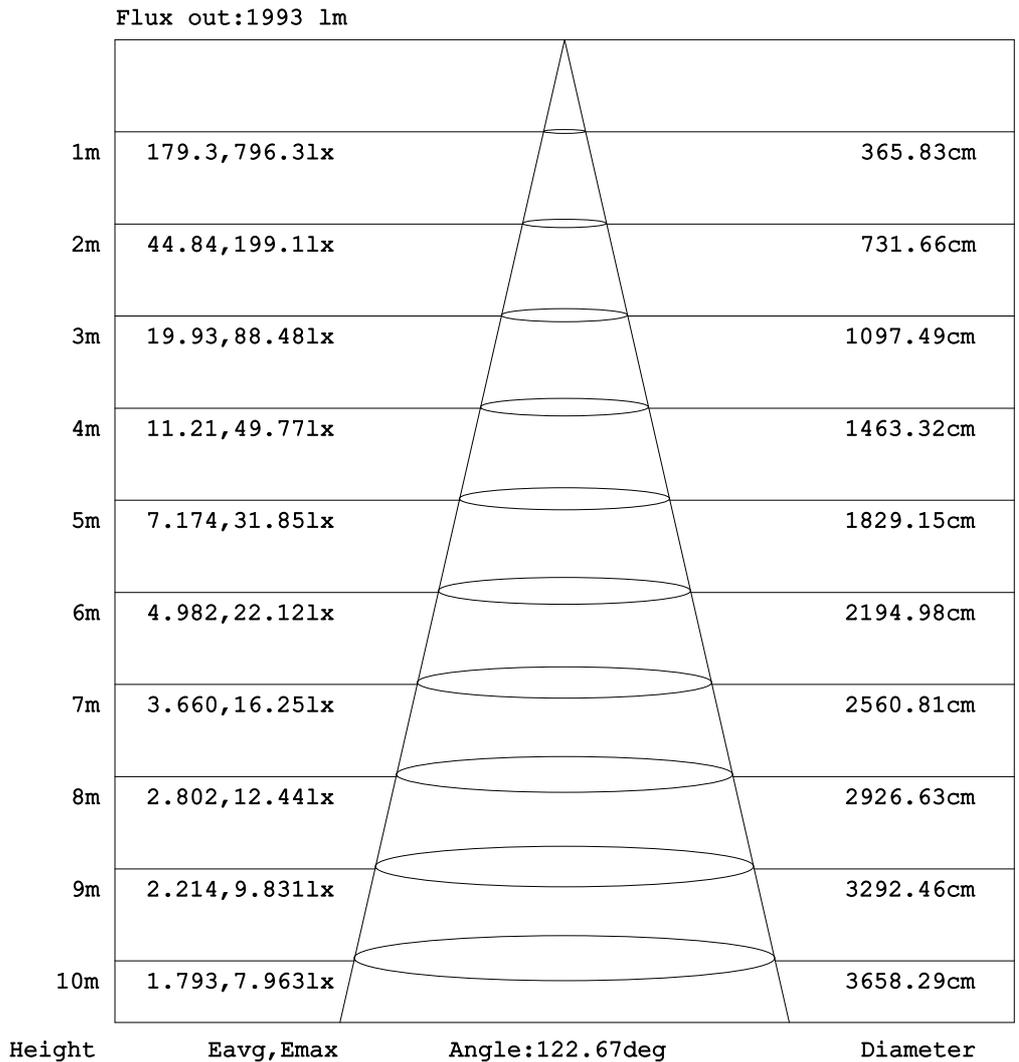


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-08

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:0.2840A P:33.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3036.34x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

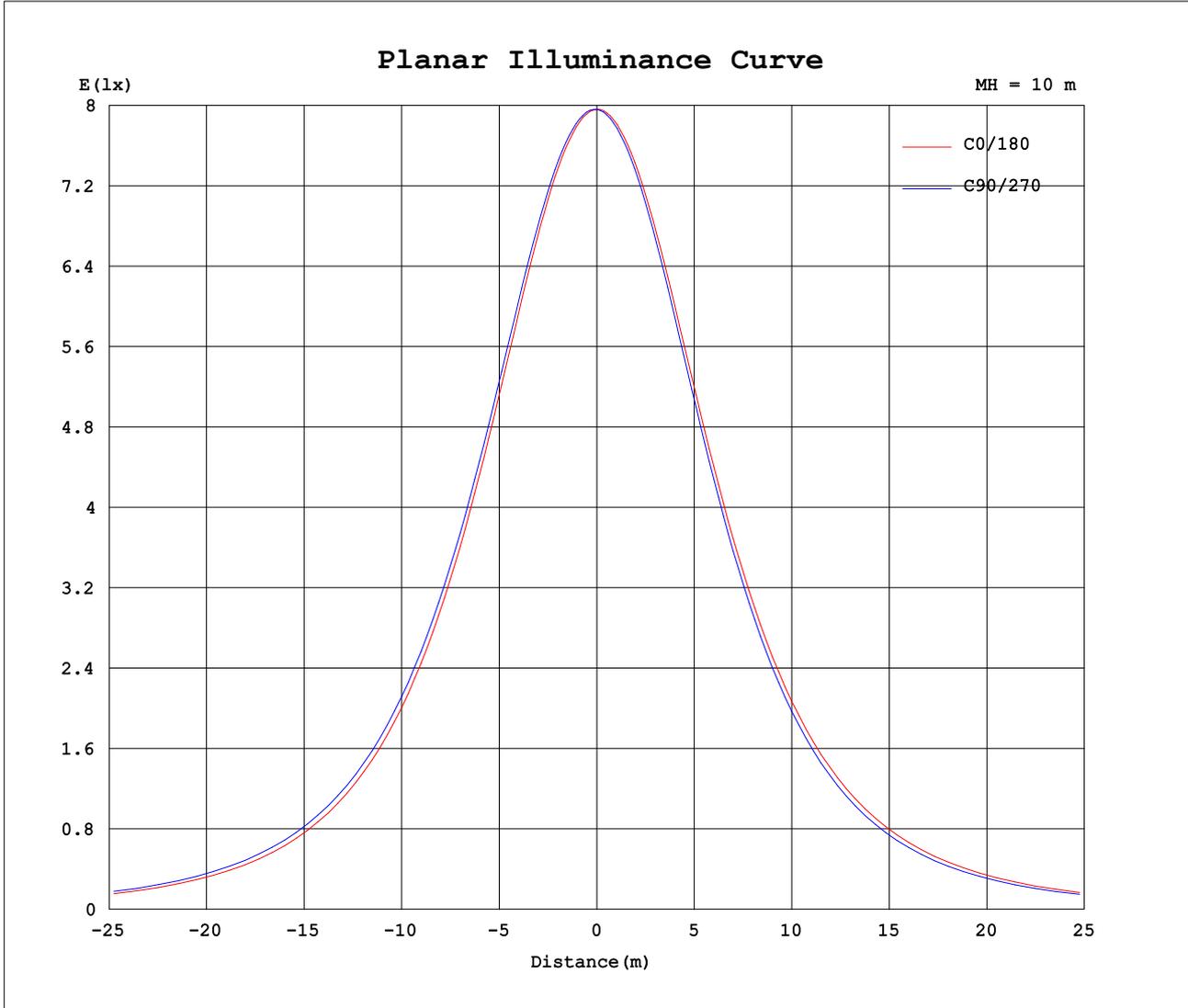


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.2840A P:33.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3036.34x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 5000K	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	796	796	796	796	796	796	796	796	796	796	796	796							
5	793	793	794	796	796	796	795	794	793	791	791	791							
10	784	786	788	790	791	791	788	787	784	782	781	781							
15	770	772	776	780	781	781	776	774	770	767	766	766							
20	750	754	759	764	765	764	759	755	751	745	744	744							
25	725	729	736	742	744	742	735	731	725	718	717	717							
30	694	699	707	715	716	714	706	701	694	686	684	685							
35	657	663	672	681	683	681	671	666	657	649	646	647							
40	615	622	633	643	645	642	631	625	616	606	603	604							
45	569	577	588	599	601	599	586	579	569	558	555	556							
50	518	526	539	551	553	550	536	529	518	506	504	504							
55	463	472	485	499	500	497	482	474	463	449	447	448							
60	404	413	428	442	444	440	425	415	404	390	388	389							
65	342	352	367	382	384	380	364	354	342	327	325	327							
70	280	289	305	319	322	318	301	291	278	264	262	264							
75	218	226	242	257	259	255	238	229	215	203	200	204							
80	164	171	184	196	200	195	180	172	161	151	149	153							
85	122	127	137	147	150	146	135	128	120	112	111	113							
90	93.4	97.5	104	111	113	111	103	97.5	93.1	88.3	87.1	89.2							
95	79.0	81.6	85.1	89.5	90.9	89.3	85.3	81.6	79.4	76.8	75.6	77.3							
100	73.3	75.0	77.0	79.6	80.5	79.1	77.6	75.1	74.1	72.7	71.5	73.0							
105	70.6	72.0	73.2	75.8	76.3	74.5	74.5	71.6	71.0	70.4	68.7	70.0							
110	67.9	68.4	69.0	73.0	72.3	70.3	71.8	67.9	67.5	67.9	65.3	66.5							
115	64.5	64.3	64.7	69.4	67.9	65.8	68.3	64.2	63.8	64.8	61.5	62.8							
120	60.5	60.2	60.8	65.3	63.6	61.7	64.5	60.7	60.3	61.3	58.3	59.4							
125	56.3	56.5	57.7	60.9	59.9	58.3	60.6	57.8	57.2	57.4	55.4	56.5							
130	52.6	53.5	54.7	56.7	56.7	55.2	56.7	55.2	54.4	53.8	52.7	53.7							
135	49.7	50.5	51.8	53.6	53.5	52.1	53.8	52.5	51.5	51.0	50.0	50.8							
140	46.8	47.5	48.8	50.4	50.3	49.1	50.7	49.7	48.6	48.0	47.2	47.9							
145	43.6	44.3	45.7	47.1	46.9	45.7	47.4	46.8	45.6	44.7	44.3	44.8							
150	40.4	40.9	42.5	43.5	43.4	42.2	44.1	43.6	42.3	41.5	41.0	41.6							
155	37.1	37.6	39.2	40.1	39.8	38.6	40.8	40.2	38.9	38.2	37.7	38.2							
160	34.0	34.3	35.9	36.8	36.1	35.1	37.4	36.7	35.5	35.0	34.1	34.8							
165	31.6	32.1	33.1	34.0	33.3	32.4	34.3	33.7	33.1	32.5	31.1	32.0							
170	30.8	31.0	31.1	32.2	31.8	30.7	32.3	31.7	31.8	31.0	29.7	30.8							
175	30.5	30.3	30.4	31.3	30.7	30.2	31.3	30.4	30.3	30.8	29.6	30.1							
180	31.3	30.4	30.5	31.4	30.3	30.5	31.3	30.4	30.6	31.4	30.3	30.5							

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: