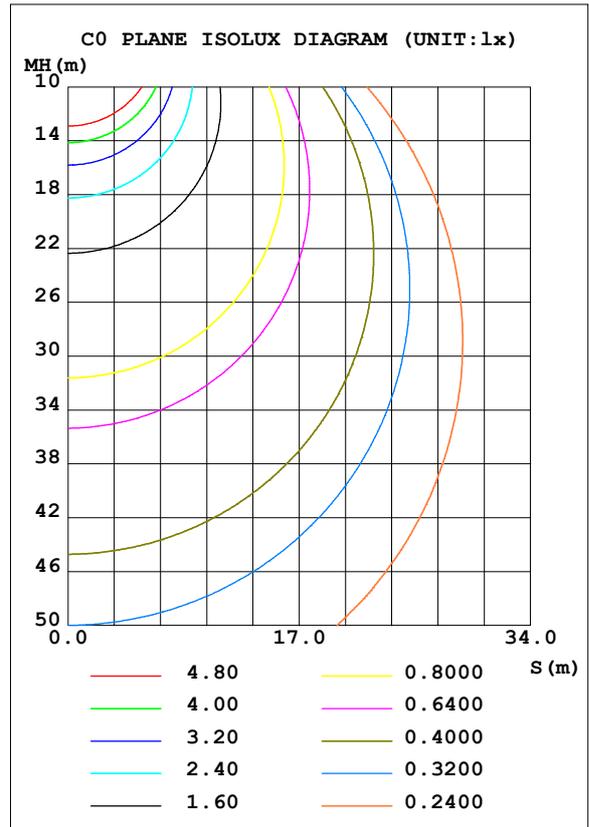
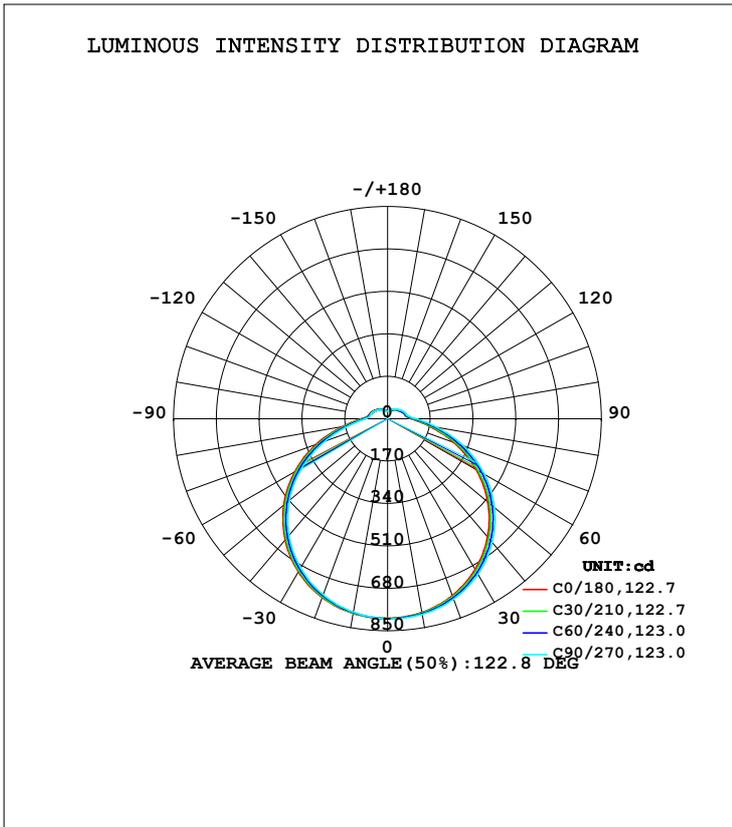


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.2720A P:32.50W PF:0.9890 Freq:60.00Hz Lamp Flux:3053.96x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.97 lm/W			
MODEL		I _{max} (cd)	802.3	S/MH (C0/180)	1.32
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)		TOTAL FLUX (lm)	3054.0	η UP, DN (C0-180)	6.4, 44.8
NOMINAL FLUX (lm)	3053.96	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.2, 42.5
LAMPS INSIDE	1	η up (%)	12.6	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	87.4	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	787.6	791.1	795.7	796.6	791.6	789.6	786.8	786.4	0- 10	75.96	75.96	2.49,2.49
20	753.8	760.5	769.0	770.5	762.0	757.0	750.2	748.7	10- 20	219.7	295.7	9.68,9.68
30	696.9	707.0	719.2	721.0	708.9	701.1	691.2	688.5	20- 30	338.7	634.4	20.8,20.8
40	618.1	631.7	647.1	648.8	634.0	623.4	610.0	606.8	30- 40	418.4	1053	34.5,34.5
50	520.0	536.2	554.4	556.2	538.7	526.1	509.5	506.5	40- 50	448.7	1502	49.2,49.2
60	405.8	423.6	444.4	446.5	426.5	411.6	392.8	390.0	50- 60	425.7	1927	63.1,63.1
70	280.9	299.6	321.4	323.6	302.3	285.6	266.0	264.0	60- 70	352.4	2280	74.6,74.6
80	164.9	179.2	197.3	200.0	181.1	167.3	152.3	150.8	70- 80	244.5	2524	82.7,82.7
90	93.81	101.5	111.9	113.3	103.6	95.55	88.23	88.03	80- 90	144.2	2668	87.4,87.4
100	73.39	76.34	80.39	80.61	77.87	74.71	72.25	72.16	90-100	92.34	2761	90.4,90.4
110	67.99	69.00	73.58	71.89	71.94	67.83	67.52	65.84	100-110	76.80	2837	92.9,92.9
120	60.48	60.70	65.80	63.19	64.68	60.56	60.94	58.74	110-120	64.94	2902	95,95
130	52.62	54.27	57.02	56.33	56.79	54.81	53.53	53.10	120-130	52.12	2955	96.7,96.7
140	46.81	48.22	50.75	50.02	50.77	49.14	47.75	47.48	130-140	40.19	2995	98.1,98.1
150	40.39	41.78	43.76	43.12	44.12	42.95	41.32	41.22	140-150	28.73	3023	99,99
160	33.96	35.17	36.98	35.87	37.49	36.14	34.95	34.38	150-160	18.12	3042	99.6,99.6
170	30.73	31.07	32.38	31.46	32.34	31.77	31.04	30.24	160-170	9.421	3051	99.9,99.9
180	31.37	30.56	31.47	30.50	31.38	30.57	31.45	30.50	170-180	2.943	3054	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1276.8 lm

%lum = 41.8%

%lamp = 41.8%

Conical surface Flux(120deg): 1927.3 lm

%lum = 63.1%

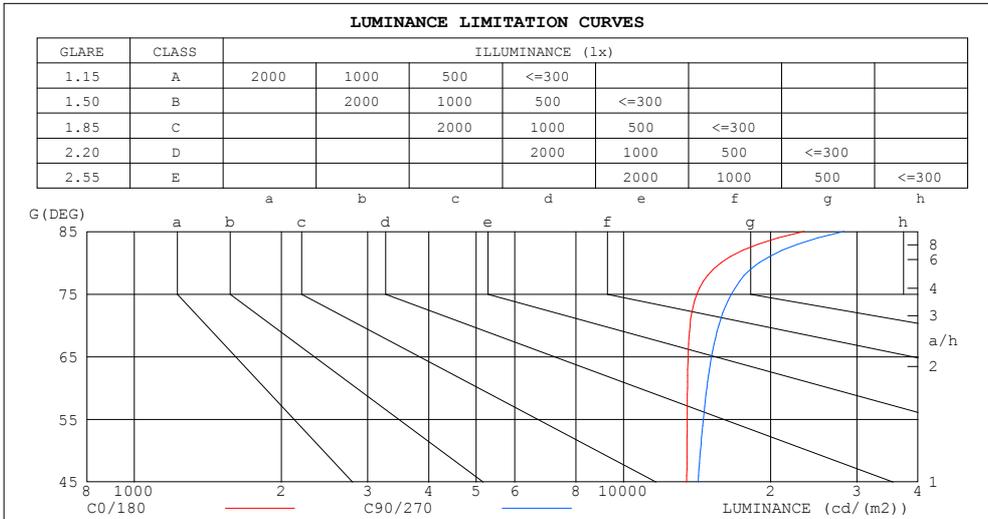
%lamp = 63.1%

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:0.2720A P:32.50W PF:0.9890 Freq:60.00Hz Lamp Flux:3053.96x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23420	28261
80	15831	18933
75	14128	16628
70	13689	15660
65	13570	15143
60	13526	14812
55	13507	14581
50	13482	14374
45	13467	14218

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:0.2720A P:32.50W PF:0.9890 Freq:60.00Hz Lamp Flux:3053.96x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3500K	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	.283	.150	.045	.274	.147	.044	.257	.139	.042	.242	.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	.028	
7.0	.201	.100	.028	.195	.097	.028	.184	.093	.027	.173	.089	.026	.164	.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	.023	.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	.228	.240	.217	.197	.164	.149	.136	.094	.086	.079	.030	.028	.026	
2.0	.273	.229	.193	.233	.198	.167	.160	.137	.116	.092	.079	.068	.030	.026	.022	
3.0	.265	.213	.171	.227	.183	.148	.156	.127	.104	.090	.074	.061	.029	.024	.020	
4.0	.257	.200	.156	.221	.173	.135	.152	.120	.095	.088	.070	.056	.028	.023	.019	
5.0	.250	.190	.145	.215	.164	.126	.148	.115	.089	.086	.067	.053	.028	.022	.017	
6.0	.243	.182	.138	.209	.157	.120	.144	.110	.085	.084	.065	.050	.027	.021	.017	
7.0	.236	.175	.132	.203	.152	.115	.140	.106	.082	.081	.063	.049	.026	.021	.016	
8.0	.229	.169	.128	.197	.147	.112	.137	.103	.079	.079	.061	.047	.026	.020	.016	
9.0	.223	.165	.125	.192	.143	.109	.133	.100	.077	.078	.059	.046	.025	.019	.015	
10.0	.217	.160	.122	.187	.139	.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:0.2720A P:32.50W PF:0.9890 Freq:60.00Hz Lamp Flux:3053.96x1 lm										
NAME: DMS19-34W-95C-MVUD 整灯 3500K					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	20.0
3H	19.1	20.4	19.6	20.9	21.3	19.6	20.9	20.1	21.4	21.9
4H	19.9	21.2	20.4	21.6	22.1	20.5	21.8	21.0	22.2	22.8
6H	20.7	21.9	21.2	22.4	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	24.0	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	21.0	22.0	22.6
4H	21.0	22.0	21.5	22.5	23.1	21.5	22.5	22.1	23.0	23.6
6H	21.9	22.8	22.5	23.3	24.0	22.6	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	25.2
12H	22.9	23.7	23.5	24.3	24.9	23.7	24.5	24.3	25.1	25.7
8H 4H	21.4	22.2	22.0	22.8	23.4	21.8	22.7	22.4	23.2	23.9
6H	22.6	23.2	23.2	23.8	24.5	23.1	23.8	23.8	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	25.2	25.3	25.8	26.6
12H 4H	21.5	22.2	22.1	22.8	23.5	21.9	22.6	22.5	23.2	23.9
6H	22.7	23.3	23.4	24.0	24.7	23.3	23.9	23.9	24.5	25.2
8H	23.4	24.0	24.1	24.6	25.4	24.0	24.6	24.7	25.2	26.0
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, 3054 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:0.2720A P:32.50W PF:0.9890 Freq:60.00Hz Lamp Flux:3053.96x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

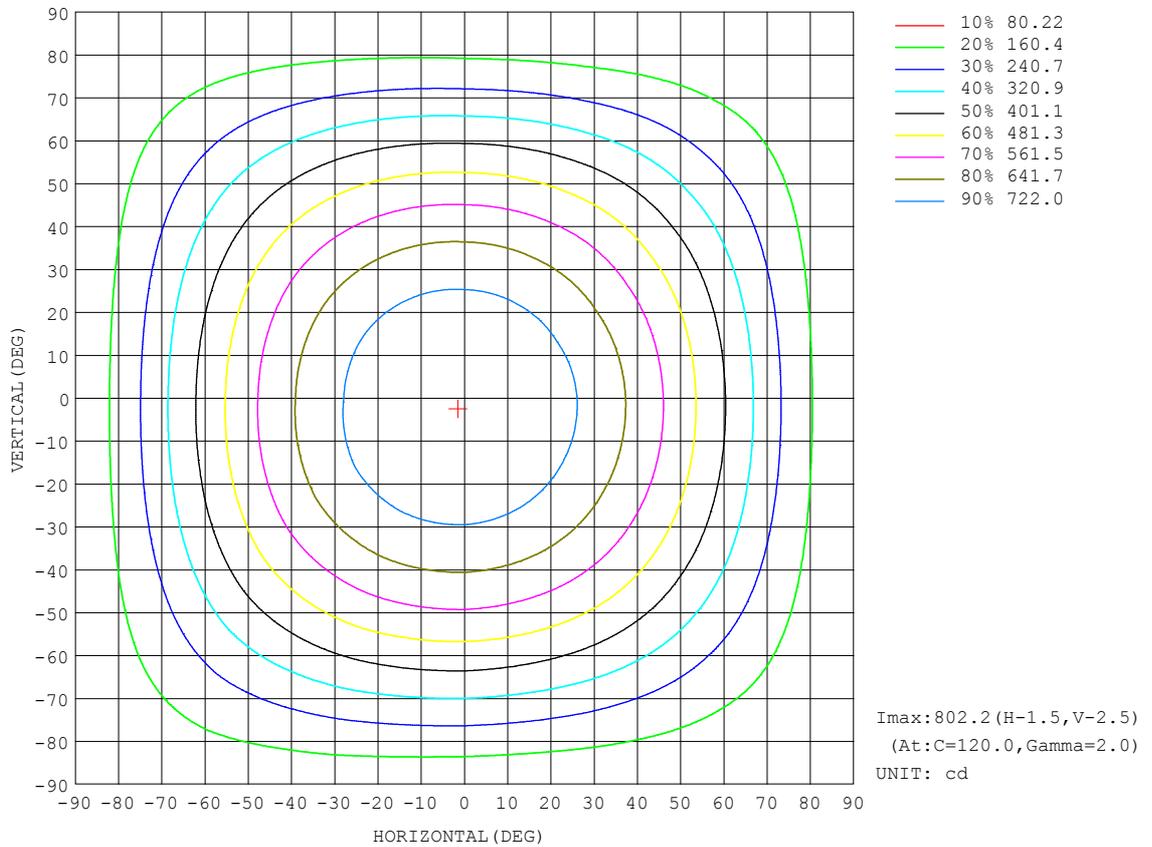
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	32	50	39	32	48	38	31	25
0.80	61	48	41	59	48	40	57	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:0.2720A P:32.50W PF:0.9890 Freq:60.00Hz Lamp Flux:3053.96x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

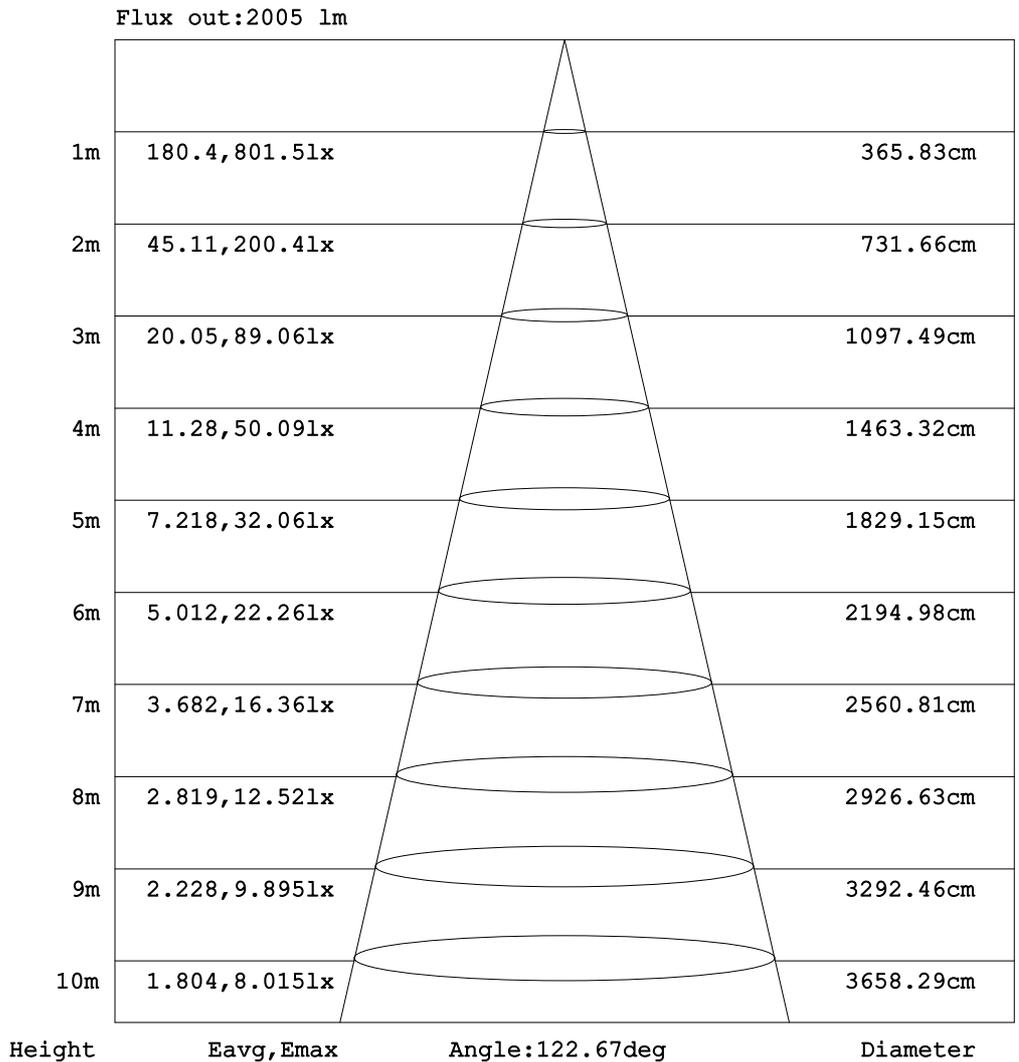


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-08

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:0.2720A P:32.50W PF:0.9890 Freq:60.00Hz Lamp Flux:3053.96x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

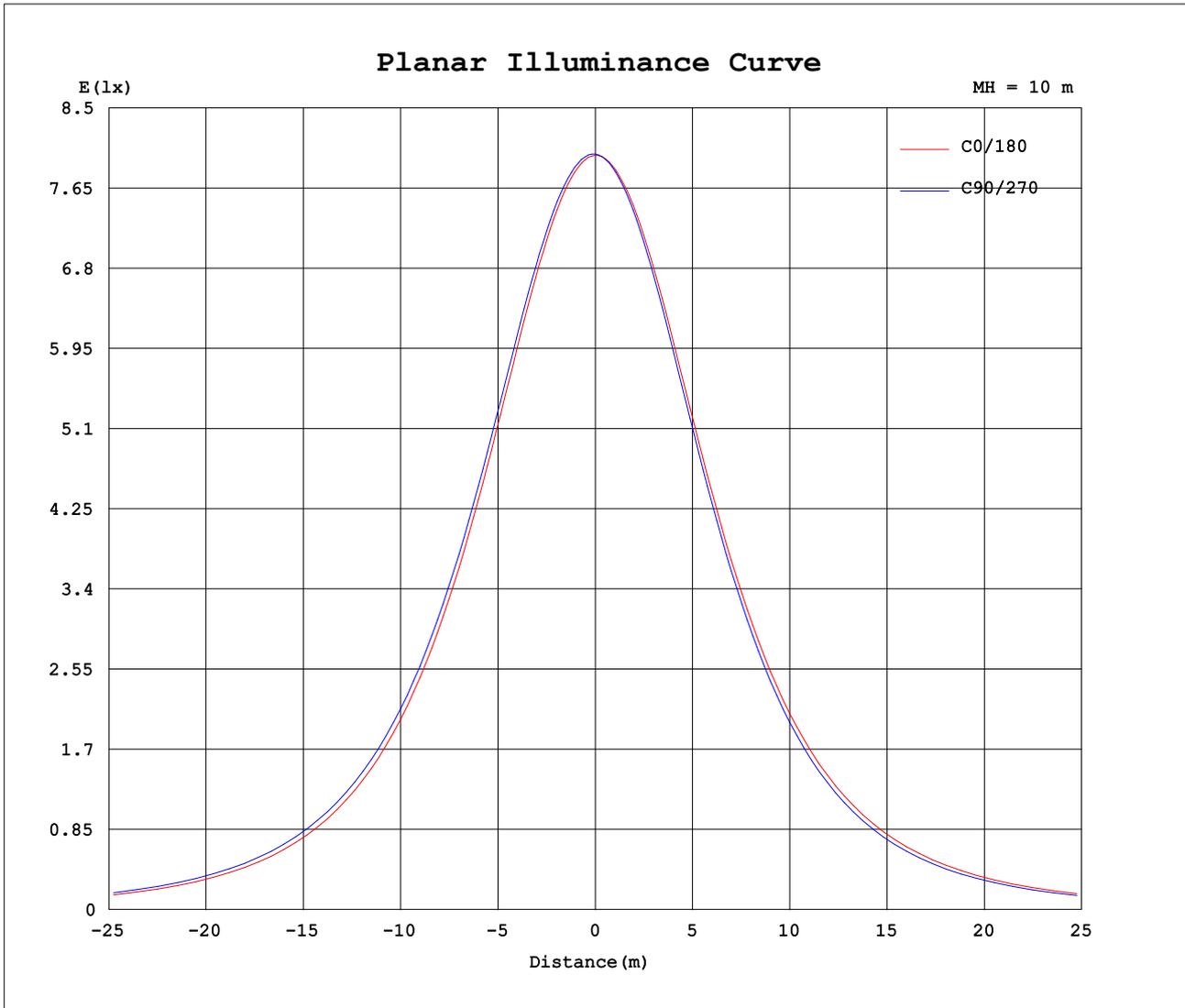


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2720A P:32.50W PF:0.9890 Freq:60.00Hz Lamp Flux:3053.96x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3500K	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	800	800	800	801	801	801	800	800	800	801	801	801							
5	796	797	799	801	801	801	798	798	797	797	796	796							
10	788	790	793	796	797	796	792	791	788	787	786	786							
15	773	777	781	785	787	786	780	778	774	772	770	770							
20	754	758	763	769	771	770	762	759	754	750	748	749							
25	728	733	740	747	749	748	738	735	729	724	721	722							
30	697	703	711	719	722	720	709	705	697	691	688	689							
35	660	667	677	686	689	687	674	669	661	653	650	651							
40	618	626	637	647	650	648	634	628	619	610	606	607							
45	571	580	592	603	606	604	589	582	572	562	559	559							
50	520	529	543	554	558	555	539	531	521	510	506	507							
55	465	475	489	502	505	502	484	477	465	453	449	451							
60	406	416	432	444	448	445	426	418	405	393	389	391							
65	344	354	371	384	388	384	365	356	343	330	326	328							
70	281	292	308	321	326	321	302	292	279	266	263	265							
75	219	227	245	258	263	259	239	230	216	205	201	205							
80	165	172	186	197	203	197	181	173	161	152	149	153							
85	122	128	139	148	152	148	135	129	120	112	110	113							
90	93.8	98.3	105	112	115	112	104	97.9	93.2	88.2	86.7	89.4							
95	79.2	82.2	85.7	90.4	92.3	90.1	85.6	81.9	79.5	76.4	75.1	77.5							
100	73.4	75.4	77.3	80.4	81.6	79.6	77.9	75.3	74.2	72.2	71.1	73.2							
105	70.7	72.3	73.4	76.5	77.3	74.9	74.7	71.7	71.1	69.9	68.4	70.2							
110	68.0	68.7	69.3	73.6	73.2	70.6	71.9	68.1	67.6	67.5	65.0	66.7							
115	64.5	64.5	65.0	70.0	68.7	66.2	68.5	64.4	63.9	64.5	61.4	63.0							
120	60.5	60.4	61.0	65.8	64.3	62.1	64.7	60.9	60.3	60.9	58.0	59.5							
125	56.3	56.6	57.9	61.3	60.5	58.6	60.7	57.9	57.2	57.1	55.1	56.6							
130	52.6	53.6	54.9	57.0	57.3	55.4	56.8	55.3	54.3	53.5	52.4	53.8							
135	49.8	50.5	52.0	53.9	54.0	52.3	53.9	52.6	51.5	50.7	49.7	50.9							
140	46.8	47.5	49.0	50.7	50.8	49.2	50.8	49.8	48.5	47.8	47.0	48.0							
145	43.6	44.2	45.9	47.4	47.4	45.9	47.5	46.9	45.4	44.5	44.0	44.8							
150	40.4	41.0	42.6	43.8	43.8	42.4	44.1	43.7	42.2	41.3	40.9	41.6							
155	37.1	37.6	39.4	40.3	40.1	38.9	40.9	40.4	38.8	38.1	37.5	38.2							
160	34.0	34.3	36.1	37.0	36.4	35.3	37.5	36.9	35.4	34.9	33.9	34.8							
165	31.6	32.1	33.2	34.1	33.6	32.6	34.4	33.8	33.1	32.4	31.0	32.0							
170	30.7	30.9	31.2	32.4	32.0	30.9	32.3	31.8	31.7	31.0	29.7	30.8							
175	30.6	30.2	30.5	31.4	30.9	30.3	31.3	30.5	30.3	30.8	29.7	30.2							
180	31.4	30.5	30.6	31.5	30.4	30.6	31.4	30.5	30.6	31.5	30.4	30.6							

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: