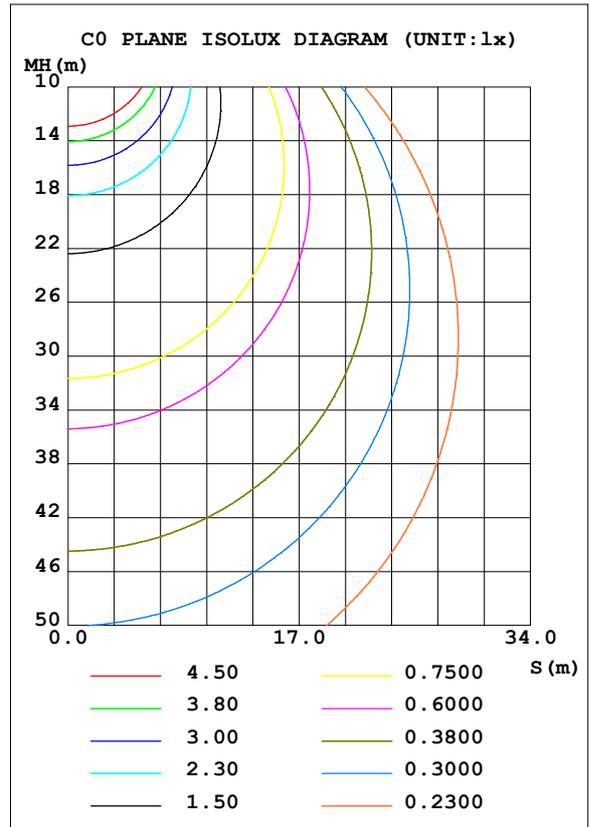
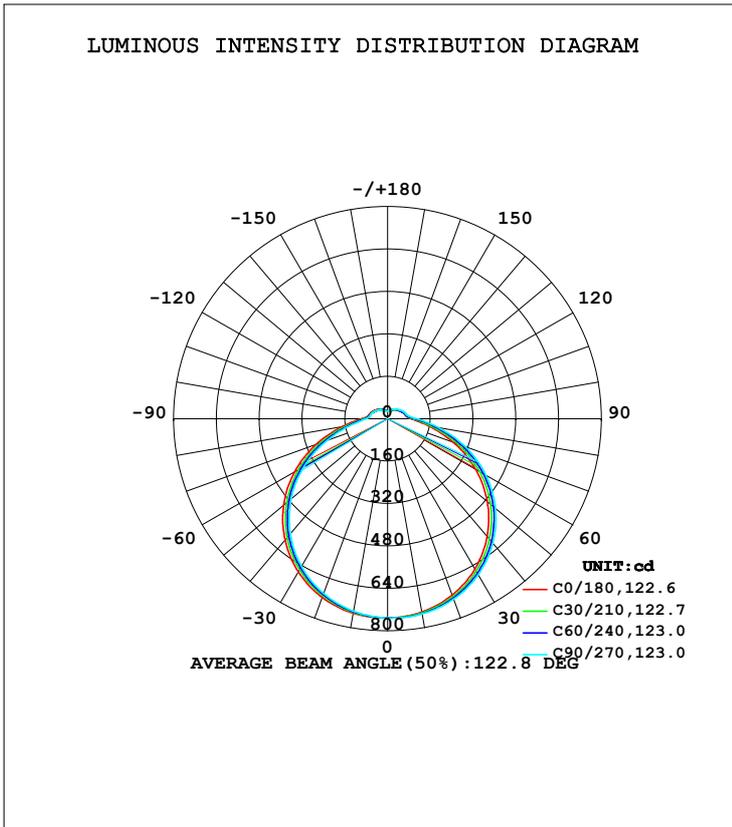


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2800A P:33.50W PF:0.9900 Freq:60.00Hz Lamp Flux:2865.77x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.55 lm/W			
MODEL		I <sub>max</sub> (cd)	752.4	S/MH (C0/180)	1.32
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2865.8	η UP, DN (C0-180)	6.5, 45.2
NOMINAL FLUX (lm)	2865.77	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.1, 42.2
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	740.0	744.4	747.4	746.7	744.7	740.2	736.7	736.4	0- 10	71.28	71.28	2.49,2.49
20	707.7	717.1	724.1	722.7	716.9	708.0	700.9	700.8	10- 20	206.2	277.4	9.68,9.68
30	654.0	668.2	678.9	676.8	667.3	654.2	644.1	644.0	20- 30	317.9	595.3	20.8,20.8
40	579.6	598.6	612.5	609.7	596.9	579.9	566.6	567.0	30- 40	392.6	988.0	34.5,34.5
50	487.2	510.1	527.0	523.1	508.1	487.2	471.2	472.8	40- 50	421.1	1409	49.2,49.2
60	379.5	405.3	424.7	420.4	402.4	378.8	360.8	363.3	50- 60	399.4	1808	63.1,63.1
70	262.4	288.9	309.4	305.5	285.6	260.2	241.8	245.5	60- 70	330.6	2139	74.6,74.6
80	154.0	174.6	191.9	189.5	171.3	150.8	137.2	139.8	70- 80	229.4	2368	82.6,82.6
90	88.20	98.16	108.6	107.2	97.76	87.11	80.65	81.78	80- 90	135.5	2504	87.4,87.4
100	69.63	72.09	75.96	75.66	73.16	69.71	67.36	67.38	90-100	86.81	2591	90.4,90.4
110	64.46	64.94	69.17	67.30	67.58	63.41	62.99	61.56	100-110	72.04	2663	92.9,92.9
120	57.38	57.13	61.74	59.12	60.80	56.53	56.88	54.93	110-120	60.90	2724	95,95
130	49.86	51.12	53.67	52.74	53.40	51.04	49.76	49.61	120-130	48.86	2773	96.7,96.7
140	44.38	45.55	47.88	46.86	47.73	45.65	44.28	44.35	130-140	37.67	2810	98.1,98.1
150	38.20	39.64	41.38	40.38	41.58	39.79	38.08	38.44	140-150	26.93	2837	99,99
160	32.22	33.53	35.04	33.66	35.36	33.47	32.00	32.05	150-160	16.98	2854	99.6,99.6
170	29.33	29.57	30.56	29.48	30.50	29.59	28.54	28.22	160-170	8.845	2863	99.9,99.9
180	29.64	28.74	29.19	28.51	29.65	28.71	29.14	28.51	170-180	2.763	2866	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1198 lm

%lum = 41.8%

%lamp = 41.8%

Conical surface Flux(120deg): 1808.5 lm

%lum = 63.1%

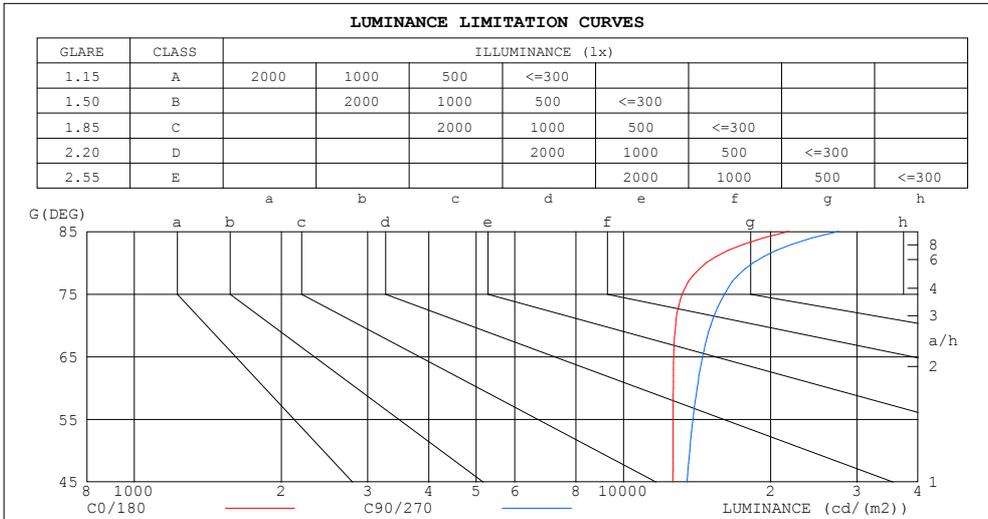
%lamp = 63.1%

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:120.5V I:0.2800A P:33.50W PF:0.9900 Freq:60.00Hz Lamp Flux:2865.77x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21771	27513
80	14777	18421
75	13186	16095
70	12786	15078
65	12682	14516
60	12651	14156
55	12642	13872
50	12633	13663
45	12622	13484

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.5V I:0.2800A P:33.50W PF:0.9900 Freq:60.00Hz Lamp Flux:2865.77x1 lm														
NAME: DMS19-34W-95C-MVUD 整灯 2700K							TYPE:				WEIGHT:			
SPEC.:							DIM.:				SERIAL No.:			
MFR.: 革星							SUR.:19寸				Shielding Angle:			

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.167	.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	.022	.151	.074	.021	.143	.071	.020	.135	.068	.019	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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:120.5V I:0.2800A P:33.50W PF:0.9900 Freq:60.00Hz Lamp Flux:2865.77x1 lm										
NAME: DMS19-34W-95C-MVUD 整灯 2700K					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	17.4	18.8	17.8	19.2	19.7	17.8	19.2	18.2	19.6	20.1
3H	19.2	20.5	19.6	20.9	21.4	19.8	21.1	20.2	21.5	22.0
4H	20.0	21.2	20.5	21.7	22.2	20.7	21.9	21.2	22.4	22.9
6H	20.8	21.9	21.3	22.4	22.9	21.6	22.8	22.1	23.3	23.8
8H	21.1	22.2	21.7	22.7	23.3	22.1	23.2	22.6	23.7	24.2
12H	21.6	22.6	22.1	23.1	23.7	22.6	23.6	23.1	24.2	24.7
4H 2H	18.1	19.3	18.6	19.8	20.3	18.4	19.7	18.9	20.1	20.6
3H	20.1	21.2	20.6	21.7	22.2	20.6	21.7	21.1	22.2	22.7
4H	21.1	22.0	21.6	22.6	23.2	21.7	22.7	22.2	23.2	23.8
6H	22.0	22.9	22.6	23.4	24.1	22.8	23.6	23.3	24.2	24.8
8H	22.5	23.3	23.1	23.9	24.5	23.3	24.1	23.9	24.7	25.4
12H	23.0	23.7	23.6	24.3	25.0	23.9	24.7	24.5	25.3	25.9
8H 4H	21.5	22.3	22.1	22.9	23.5	22.0	22.8	22.6	23.4	24.1
6H	22.7	23.3	23.3	24.0	24.7	23.3	24.0	24.0	24.6	25.3
8H	23.3	23.9	23.9	24.5	25.3	24.1	24.7	24.7	25.3	26.0
12H	24.0	24.5	24.7	25.2	25.9	24.9	25.4	25.5	26.0	26.8
12H 4H	21.6	22.3	22.2	22.9	23.6	22.1	22.8	22.7	23.4	24.1
6H	22.8	23.4	23.5	24.1	24.8	23.5	24.1	24.1	24.7	25.4
8H	23.6	24.1	24.2	24.7	25.5	24.3	24.8	24.9	25.4	26.2
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, 2866 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.7)

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:120.5V I:0.2800A P:33.50W PF:0.9900 Freq:60.00Hz Lamp Flux:2865.77x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

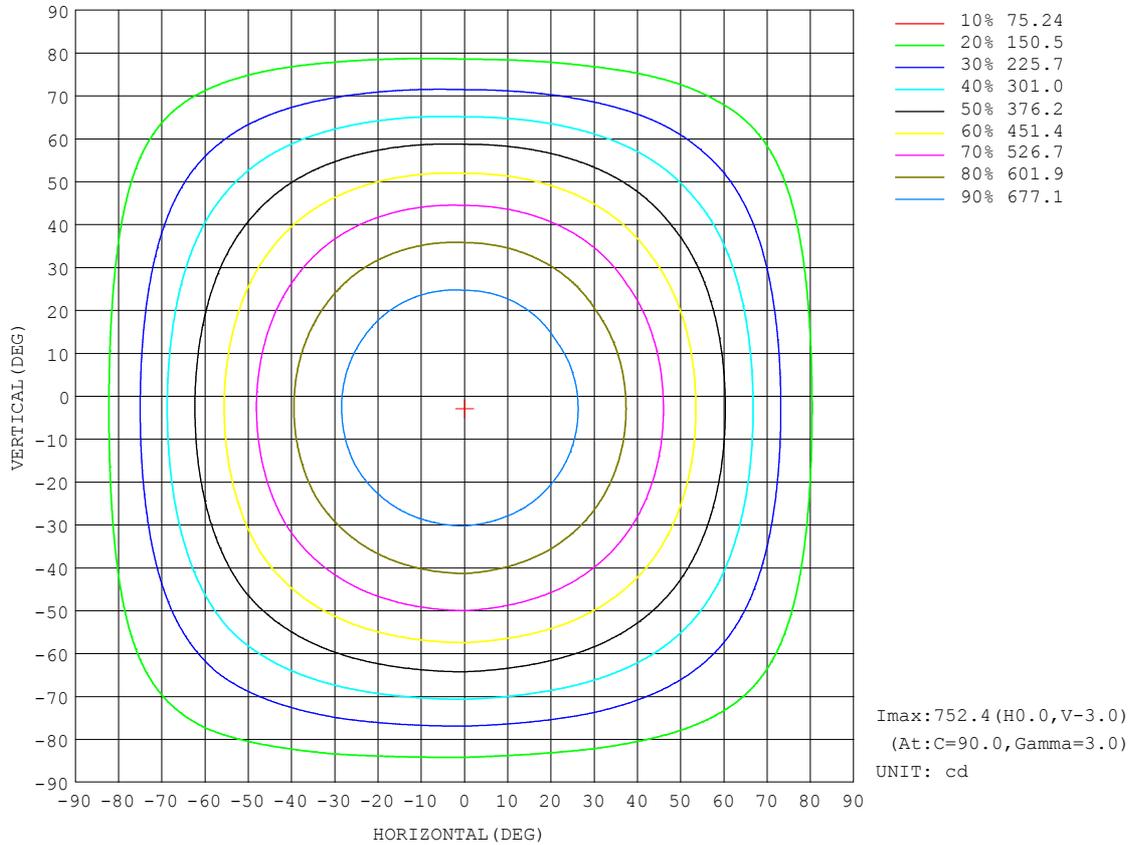
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	32	50	39	32	48	38	31	25
0.80	61	48	41	59	48	40	57	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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.5V I:0.2800A P:33.50W PF:0.9900 Freq:60.00Hz Lamp Flux:2865.77x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

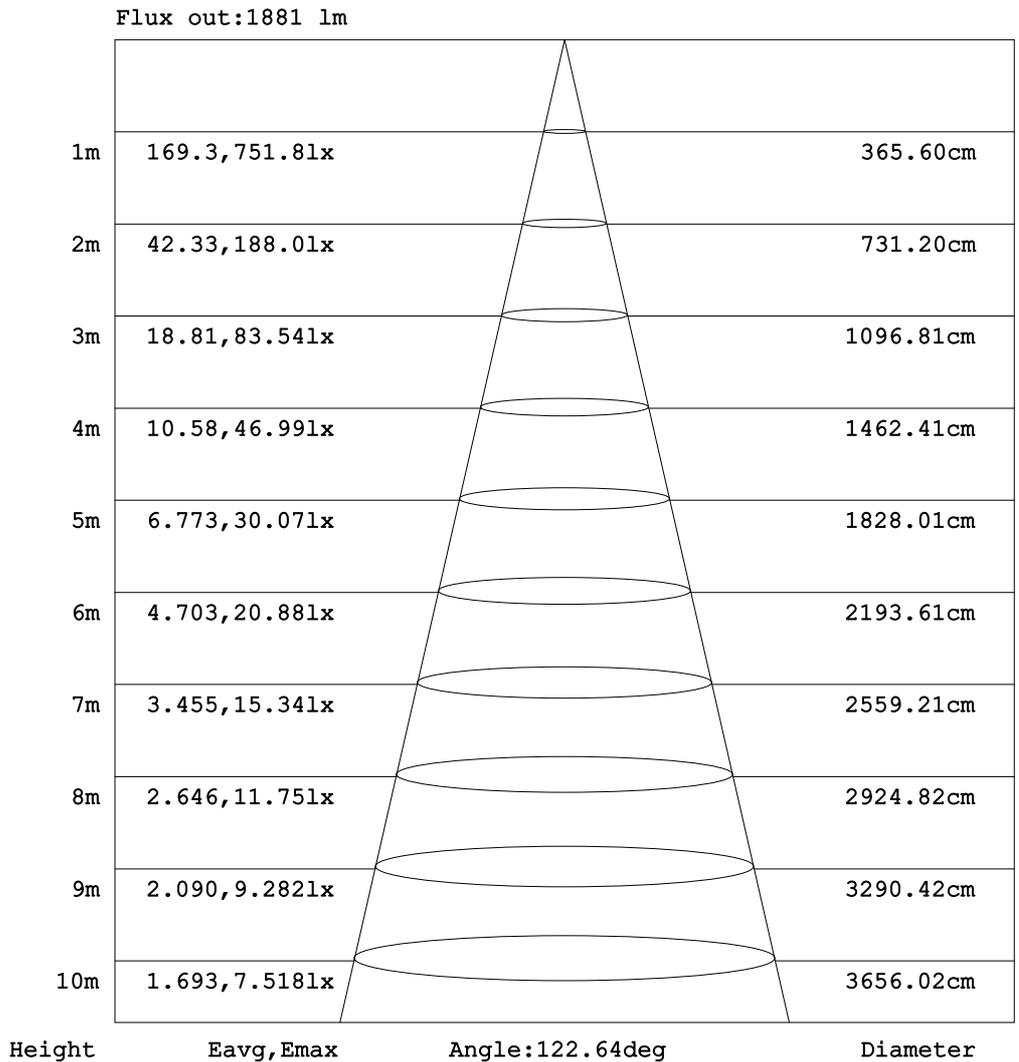


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-04-08

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:120.5V I:0.2800A P:33.50W PF:0.9900 Freq:60.00Hz Lamp Flux:2865.77x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

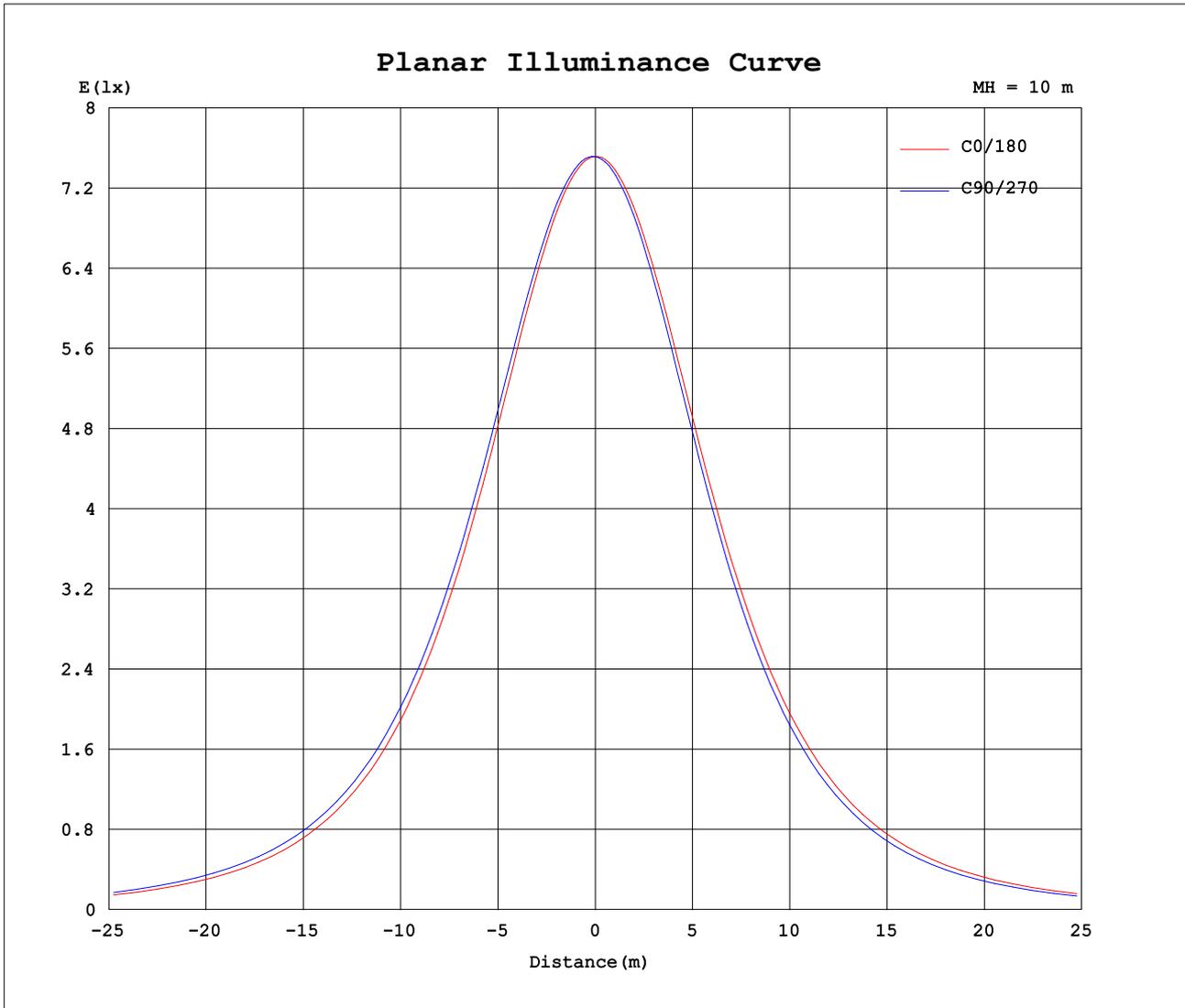


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.5V I:0.2800A P:33.50W PF:0.9900 Freq:60.00Hz Lamp Flux:2865.77x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 2700K	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	752	751	752	751	751	750	752	751	752	751	751	750							
5	748	749	751	752	752	750	751	749	748	747	746	746							
10	740	743	746	747	747	746	745	741	739	737	737	736							
15	727	731	735	738	738	737	733	729	725	722	722	721							
20	708	714	720	724	724	722	717	710	706	701	701	701							
25	684	692	699	704	704	701	695	687	681	675	675	675							
30	654	664	673	679	678	675	667	658	651	644	644	644							
35	619	631	641	648	647	644	635	624	615	608	608	608							
40	580	593	604	613	611	608	597	585	575	567	566	568							
45	536	550	563	572	571	567	555	541	531	521	521	523							
50	487	503	517	527	525	521	508	493	482	471	472	474							
55	435	452	467	477	476	471	457	441	429	418	419	420							
60	380	398	413	425	423	418	402	385	373	361	362	364							
65	322	340	356	368	367	361	345	326	314	302	303	306							
70	262	281	297	309	308	303	286	266	254	242	244	247							
75	205	220	238	250	249	244	225	208	195	185	186	190							
80	154	167	182	192	192	187	171	156	145	137	137	142							
85	114	124	135	144	145	140	128	115	108	102	102	106							
90	88.2	94.9	101	109	109	106	97.8	89.3	85.0	80.6	80.4	83.2							
95	74.8	78.3	81.8	86.5	87.1	84.7	80.6	75.6	73.5	70.8	70.0	72.3							
100	69.6	71.3	72.9	76.0	76.6	74.7	73.2	70.2	69.2	67.4	66.4	68.3							
105	67.1	68.3	68.8	71.9	72.3	70.3	70.2	67.0	66.4	65.2	63.9	65.5							
110	64.5	64.9	65.0	69.2	68.4	66.2	67.6	63.6	63.2	63.0	60.9	62.3							
115	61.2	61.0	60.9	65.7	64.2	62.0	64.3	60.1	59.7	60.2	57.5	58.8							
120	57.4	57.0	57.3	61.7	60.1	58.1	60.8	56.8	56.2	56.9	54.3	55.6							
125	53.4	53.5	54.4	57.6	56.6	54.8	57.0	54.1	53.2	53.3	51.5	52.9							
130	49.9	50.6	51.6	53.7	53.6	51.9	53.4	51.6	50.5	49.8	49.0	50.2							
135	47.2	47.8	48.9	50.8	50.6	49.0	50.6	49.0	47.8	47.1	46.6	47.5							
140	44.4	45.0	46.1	47.9	47.6	46.1	47.7	46.3	45.0	44.3	43.9	44.8							
145	41.4	42.0	43.3	44.7	44.4	43.0	44.7	43.5	42.1	41.2	41.1	41.8							
150	38.2	39.0	40.3	41.4	41.0	39.7	41.6	40.6	39.0	38.1	38.1	38.8							
155	35.1	35.9	37.2	38.1	37.6	36.4	38.5	37.4	35.9	35.0	35.0	35.6							
160	32.2	33.0	34.1	35.0	34.3	33.1	35.4	34.2	32.8	32.0	31.7	32.4							
165	30.2	30.8	31.5	32.3	31.6	30.5	32.4	31.5	30.7	29.7	29.0	29.8							
170	29.3	29.6	29.5	30.6	30.1	28.9	30.5	29.7	29.5	28.5	27.7	28.7							
175	29.1	28.9	28.7	29.4	28.9	28.4	29.5	28.6	28.3	28.5	27.7	28.1							
180	29.6	28.9	28.6	29.2	28.5	28.6	29.7	28.9	28.6	29.1	28.5	28.5							

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: