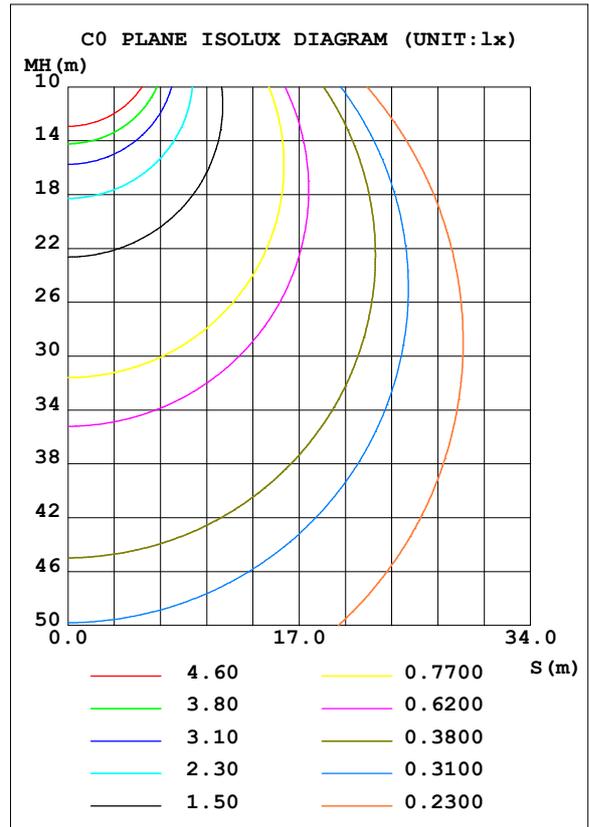
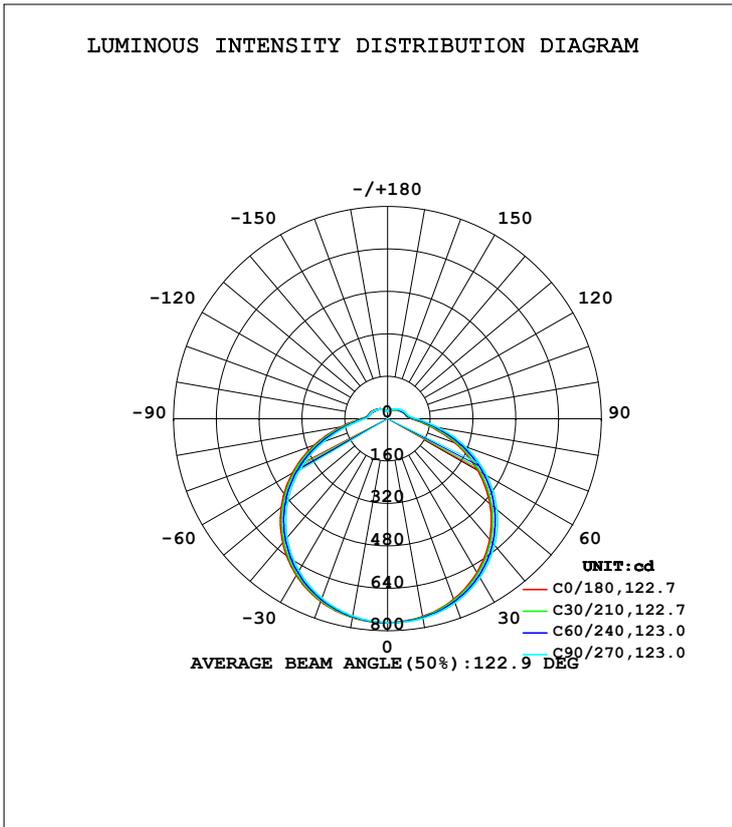


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.2770A P:33.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2937.06x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.00 lm/W			
MODEL		I _{max} (cd)	771.0	S/MH (C0/180)	1.32
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2937.1	η UP, DN (C0-180)	6.4, 44.8
NOMINAL FLUX (lm)	2937.06	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.2, 42.5
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	757.2	760.2	764.2	765.5	761.4	758.9	755.2	755.7	0- 10	72.99	72.99	2.49,2.49
20	724.5	730.8	739.0	740.7	732.8	727.6	719.9	719.5	10- 20	211.1	284.1	9.67,9.67
30	669.6	679.4	691.7	693.2	682.1	674.2	662.6	661.6	20- 30	325.6	609.7	20.8,20.8
40	593.9	606.6	622.8	624.1	609.9	599.5	584.5	583.0	30- 40	402.2	1012	34.5,34.5
50	499.5	515.0	534.3	535.2	518.8	506.0	487.9	486.6	40- 50	431.3	1443	49.1,49.1
60	389.6	406.8	428.6	429.4	411.0	396.1	375.6	374.5	50- 60	409.2	1852	63.1,63.1
70	269.7	287.3	310.2	311.3	291.6	275.1	254.0	253.5	60- 70	338.7	2191	74.6,74.6
80	158.4	171.9	191.2	192.6	174.9	161.4	146.1	145.3	70- 80	235.1	2426	82.6,82.6
90	90.36	97.63	108.2	108.9	99.84	92.36	85.81	85.32	80- 90	138.9	2565	87.3,87.3
100	70.90	73.66	77.27	77.17	74.83	72.14	70.85	70.14	90-100	89.17	2654	90.4,90.4
110	65.64	66.55	70.54	68.78	69.09	65.42	66.11	63.95	100-110	74.10	2728	92.9,92.9
120	58.39	58.50	63.09	60.44	62.09	58.38	59.53	57.00	110-120	62.63	2791	95,95
130	50.72	52.27	54.73	53.89	54.51	52.80	52.16	51.46	120-130	50.24	2841	96.7,96.7
140	45.22	46.49	48.73	47.88	48.74	47.32	46.45	45.97	130-140	38.73	2880	98.1,98.1
150	38.90	40.25	42.11	41.28	42.37	41.28	40.11	39.83	140-150	27.68	2908	99,99
160	32.70	33.84	35.59	34.36	35.99	34.72	33.86	33.22	150-160	17.44	2925	99.6,99.6
170	29.68	29.95	31.11	30.14	31.04	30.55	29.99	29.16	160-170	9.068	2934	99.9,99.9
180	30.29	29.47	30.30	29.30	30.28	29.45	30.28	29.33	170-180	2.833	2937	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1227.1 lm

%lum = 41.8%

%lamp = 41.8%

Conical surface Flux(120deg): 1852.4 lm

%lum = 63.1%

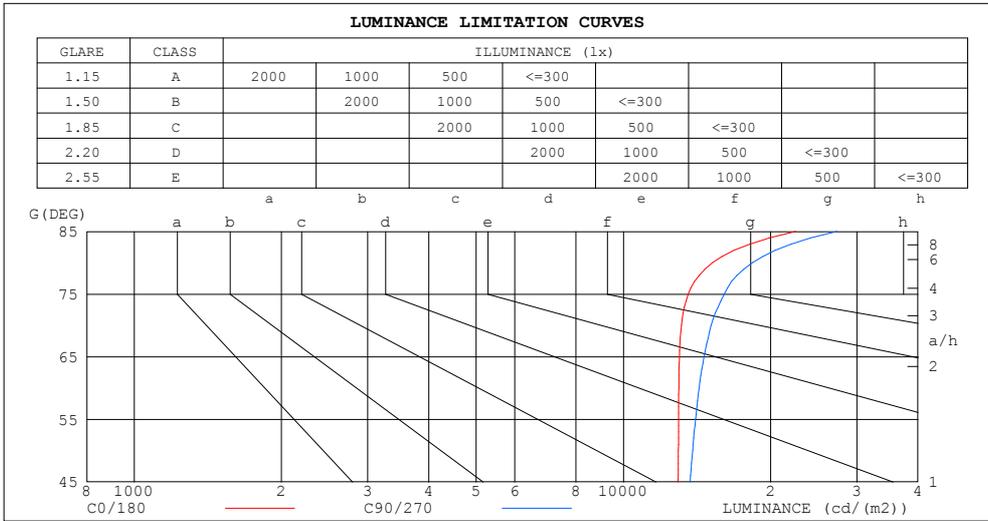
%lamp = 63.1%

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:0.2770A P:33.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2937.06x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	22511	27339
80	15201	18347
75	13564	16082
70	13143	15117
65	13028	14621
60	12985	14286
55	12970	14045
50	12952	13855
45	12936	13691

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:0.2770A P:33.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2937.06x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3000K	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	.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	.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	.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:0.2770A P:33.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2937.06x1 lm										
NAME: DMS19-34W-95C-MVUD 整灯 3000K					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	19.1	19.6	17.7	19.1	18.1	19.5	20.0
3H	19.1	20.4	19.6	20.8	21.3	19.6	20.9	20.1	21.4	21.9
4H	19.9	21.1	20.4	21.6	22.1	20.6	21.8	21.0	22.3	22.8
6H	20.7	21.8	21.2	22.3	22.9	21.4	22.6	22.0	23.1	23.6
8H	21.1	22.2	21.6	22.7	23.2	21.9	23.0	22.4	23.5	24.1
12H	21.5	22.6	22.0	23.1	23.7	22.4	23.5	22.9	24.0	24.5
4H 2H	18.0	19.2	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	22.1	20.4	21.5	21.0	22.0	22.6
4H	21.0	21.9	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	23.2	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	23.6	23.5	24.2	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	22.5	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	24.5	24.5	25.1	25.8
12H	23.9	24.4	24.5	25.1	25.8	24.6	25.2	25.3	25.8	26.6
12H 4H	21.4	22.2	22.0	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	23.3	23.9	23.9	24.5	25.2
8H	23.4	23.9	24.1	24.6	25.3	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, 2937 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:120.6V I:0.2770A P:33.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2937.06x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

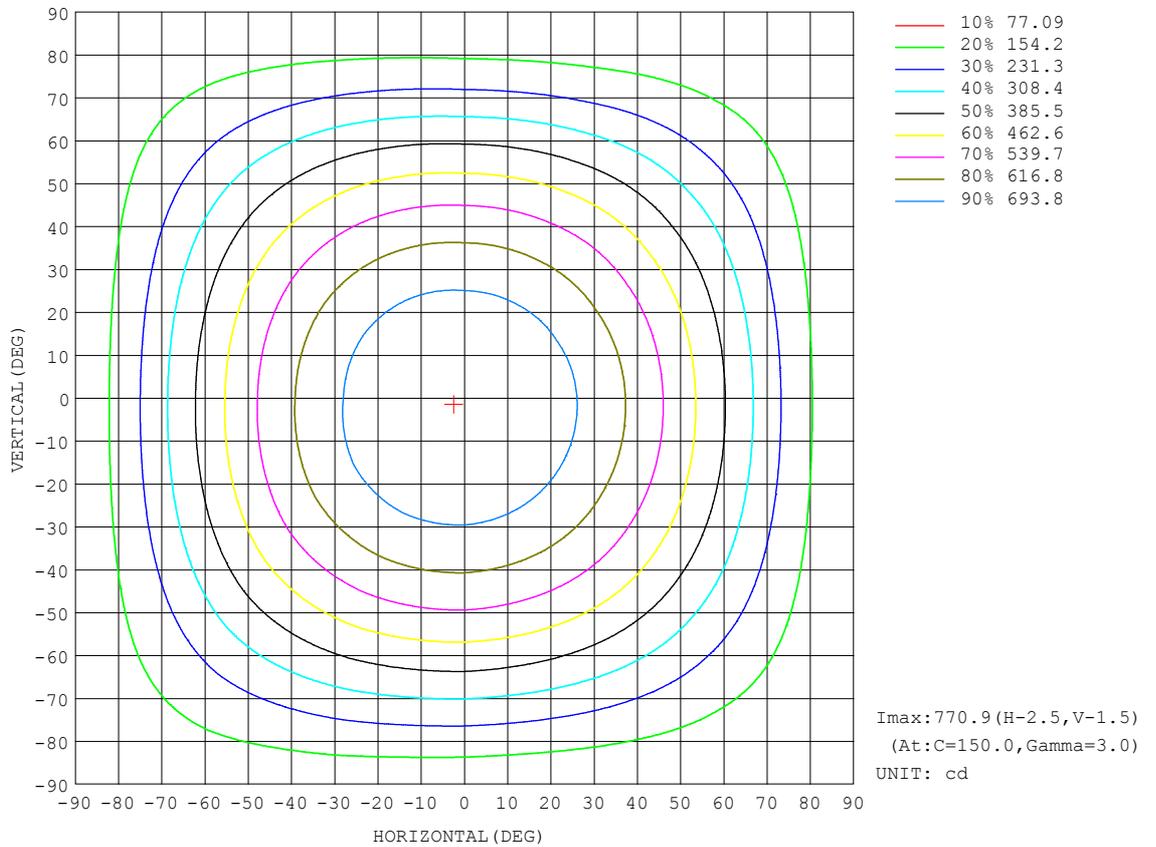
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	32	50	39	32	48	38	31	25
0.80	61	48	41	59	48	40	57	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	93	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:0.2770A P:33.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2937.06x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

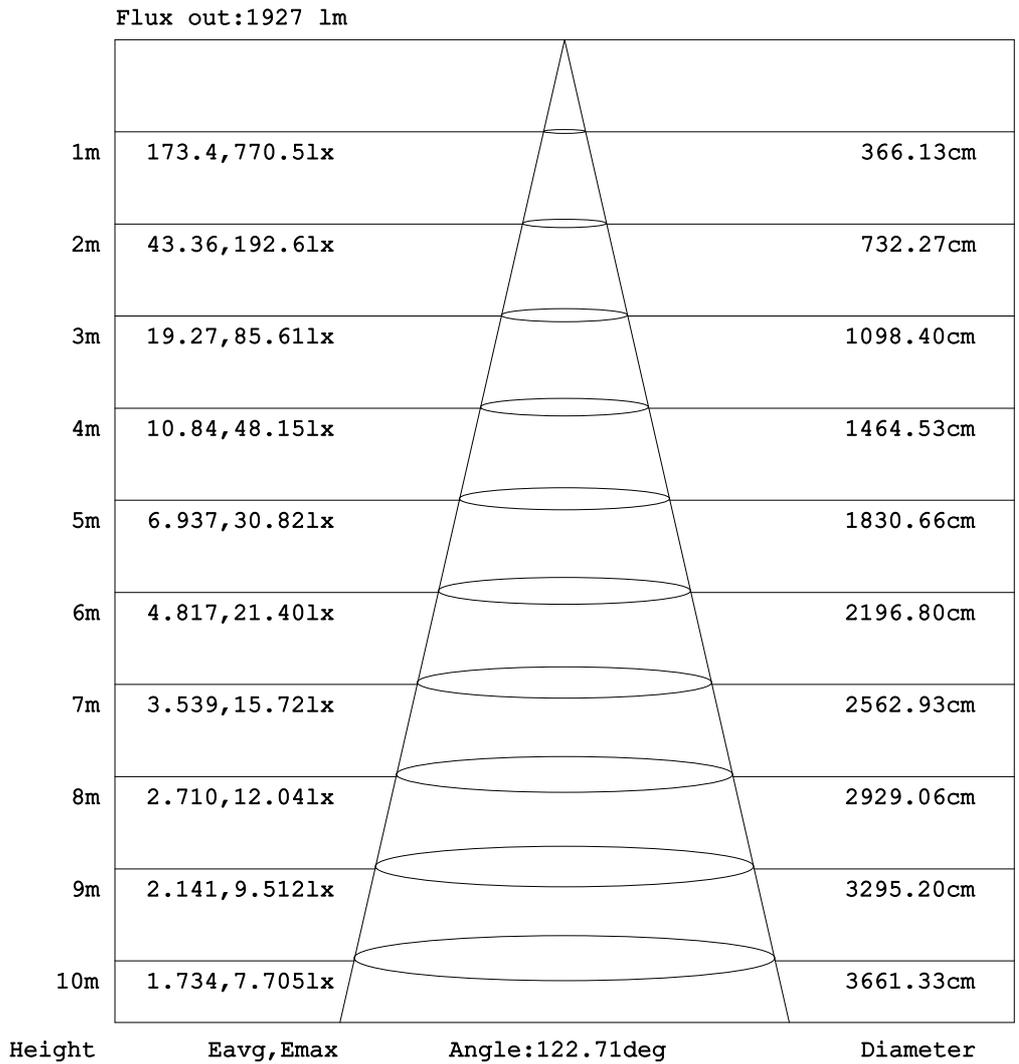


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-08

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:0.2770A P:33.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2937.06x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:19寸	Shielding Angle:

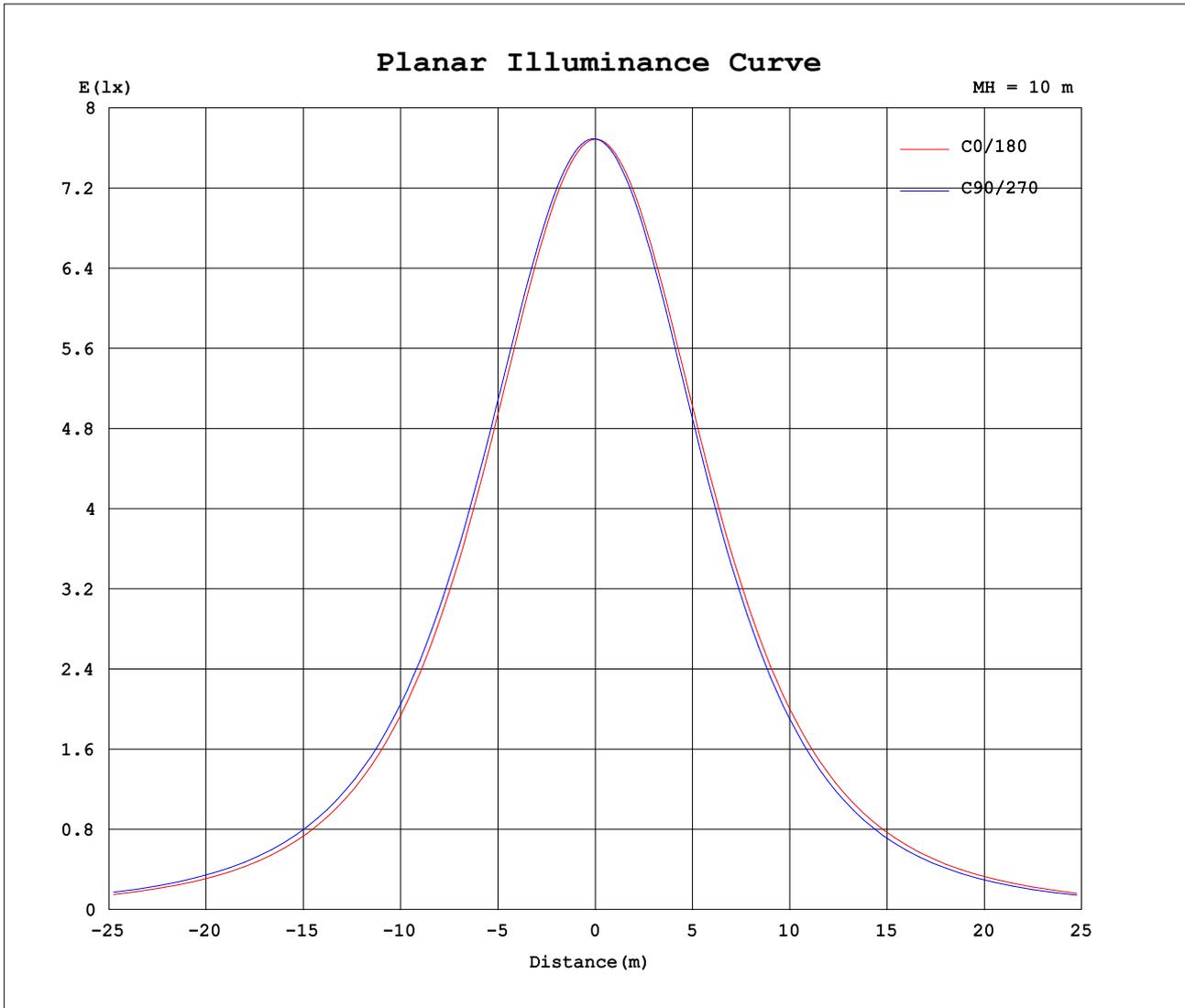


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2770A P:33.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2937.06x1 lm		
NAME: DMS19-34W-95C-MVUD 整灯 3000K	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	769	769	769	769	770	770	769	769	769	769	770	770							
5	765	766	768	769	770	770	767	767	766	765	765	766							
10	757	759	761	764	766	765	761	760	758	755	755	756							
15	744	746	750	754	756	756	750	748	744	740	740	741							
20	724	728	733	739	741	740	733	730	725	720	719	720							
25	700	704	711	718	721	719	710	707	701	694	693	694							
30	670	675	684	692	694	692	682	678	670	663	661	663							
35	634	640	650	660	663	660	649	644	635	626	624	626							
40	594	601	612	623	626	623	610	604	595	584	582	584							
45	549	557	569	581	584	580	567	560	550	538	536	538							
50	500	508	522	534	537	533	519	512	501	488	485	488							
55	446	456	470	483	486	482	467	459	447	433	431	434							
60	390	399	415	429	432	427	411	402	390	376	373	376							
65	330	340	356	371	374	369	352	343	330	315	313	316							
70	270	279	295	310	314	309	292	282	269	254	252	255							
75	211	218	235	250	253	248	231	222	208	196	192	197							
80	158	165	179	191	195	190	175	167	156	146	143	147							
85	118	123	133	143	147	142	131	124	116	109	107	109							
90	90.4	94.4	101	108	110	108	99.8	94.4	90.3	85.8	84.7	85.9							
95	76.4	79.1	82.7	87.1	88.2	86.8	82.4	78.8	77.1	74.8	73.9	74.4							
100	70.9	72.7	74.6	77.3	77.6	76.7	74.8	72.3	72.0	70.9	70.0	70.2							
105	68.3	69.7	70.9	73.4	73.4	72.2	71.8	68.9	68.9	68.5	67.3	67.4							
110	65.6	66.2	66.9	70.5	69.5	68.0	69.1	65.4	65.5	66.1	63.9	64.0							
115	62.3	62.2	62.7	67.1	65.3	63.8	65.7	61.8	61.8	63.0	60.3	60.4							
120	58.4	58.1	58.9	63.1	61.2	59.7	62.1	58.4	58.3	59.5	56.9	57.1							
125	54.3	54.5	55.8	58.8	57.5	56.4	58.2	55.6	55.3	55.7	53.9	54.3							
130	50.7	51.6	53.0	54.7	54.5	53.3	54.5	53.1	52.5	52.2	51.3	51.6							
135	48.0	48.7	50.1	51.8	51.4	50.3	51.7	50.5	49.7	49.4	48.6	48.9							
140	45.2	45.7	47.3	48.7	48.4	47.4	48.7	47.8	46.9	46.4	45.9	46.1							
145	42.1	42.5	44.4	45.5	45.2	44.2	45.6	45.0	43.8	43.3	42.9	43.2							
150	38.9	39.2	41.3	42.1	41.8	40.8	42.4	41.9	40.6	40.1	39.7	40.0							
155	35.7	36.0	38.1	38.8	38.3	37.3	39.3	38.7	37.3	36.9	36.5	36.8							
160	32.7	32.9	34.8	35.6	34.8	33.9	36.0	35.4	34.1	33.9	33.0	33.5							
165	30.5	31.0	32.0	32.8	32.1	31.3	33.0	32.4	31.9	31.4	30.1	30.8							
170	29.7	29.8	30.1	31.1	30.6	29.7	31.0	30.5	30.6	30.0	28.7	29.6							
175	29.5	29.3	29.4	30.2	29.6	29.1	30.1	29.3	29.2	29.7	28.7	29.0							
180	30.3	29.4	29.5	30.3	29.3	29.3	30.3	29.4	29.5	30.3	29.3	29.4							

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: