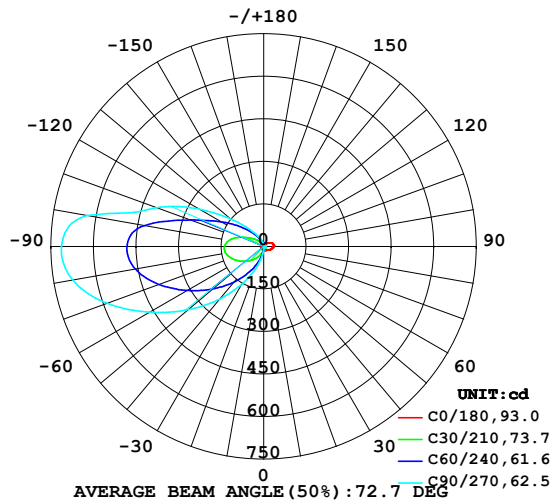


LUMINAIRE PHOTOMETRIC TEST REPORT

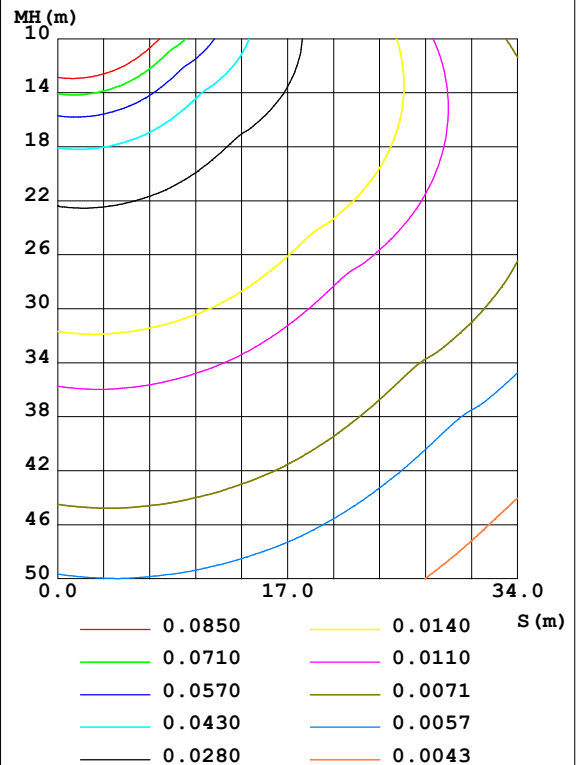
Test:U:120.6V I:0.1910A P:22.60W PF:0.9790 Freq:60.00Hz Lamp Flux:1274.59x1 lm		
NAME: LOS2-8-24W-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.40 lm/W			
MODEL		I _{max} (cd)	713.4	S/MH (C0/180)	1.30
NOMINAL POWER(W)		LOR(%)	100.0	S/MH (C90/270)	10.19
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1274.6	η UP,DN(C0-180)	2.0,1.9
NOMINAL FLUX(lm)	1274.59	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	39.7,56.3
LAMPS INSIDE	1	η up(%)	41.7	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)		η down(%)	58.3	CIBSE SHR MAX	1.00

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:2025-02-11

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	14.69	8.771	5.421	6.871	13.35	21.37	34.54	36.21	0- 10	1.420	1.420	0.11,0.11
20	15.31	6.608	3.843	5.634	12.67	45.37	83.43	70.30	10- 20	7.002	8.422	0.66,0.66
30	15.95	5.133	3.013	4.678	12.10	76.07	152.5	114.4	20- 30	18.49	26.91	2.11,2.11
40	17.51	4.127	3.092	4.188	11.46	113.9	243.1	166.5	30- 40	37.65	64.57	5.07,5.07
50	20.73	3.627	3.625	4.241	10.91	157.5	346.9	223.6	40- 50	65.05	129.6	10.2,10.2
60	24.31	3.320	4.267	4.662	10.50	206.4	463.9	283.7	50- 60	99.49	229.1	18,18
70	28.15	3.285	4.882	5.146	10.16	257.4	587.0	343.6	60- 70	138.8	367.9	28.9,28.9
80	31.89	3.381	5.419	5.599	9.743	298.2	683.6	389.6	70- 80	176.3	544.2	42.7,42.7
90	34.75	3.444	5.728	5.957	9.112	310.5	713.1	399.6	80- 90	198.5	742.7	58.3,58.3
100	35.40	3.484	5.630	5.936	8.517	276.1	631.4	361.1	90-100	193.2	935.9	73.4,73.4
110	32.73	3.906	5.442	5.926	7.537	184.5	401.8	277.9	100-110	146.8	1083	84.9,84.9
120	26.83	4.128	5.218	5.726	6.515	118.6	264.3	161.2	110-120	93.90	1177	92.3,92.3
130	20.04	4.353	4.748	5.382	5.570	74.62	150.8	81.40	120-130	51.25	1228	96.3,96.3
140	14.95	4.068	4.247	4.992	4.932	45.27	81.34	43.18	130-140	25.76	1254	98.4,98.4
150	11.56	3.826	3.863	4.682	4.243	27.54	43.85	23.90	140-150	12.52	1266	99.3,99.3
160	9.123	3.218	3.620	4.559	3.863	16.11	22.77	12.98	150-160	5.675	1272	99.8,99.8
170	6.634	3.101	3.605	4.572	3.420	9.152	11.28	7.237	160-170	2.212	1274	100,100
180	3.734	4.815	5.603	5.611	3.730	4.823	5.564	5.603	170-180	0.5199	1275	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 93.195 lm

%lum = 7.3%

%lamp = 7.3%

Conical surface Flux(120deg): 229.11 lm

%lum = 18.0%

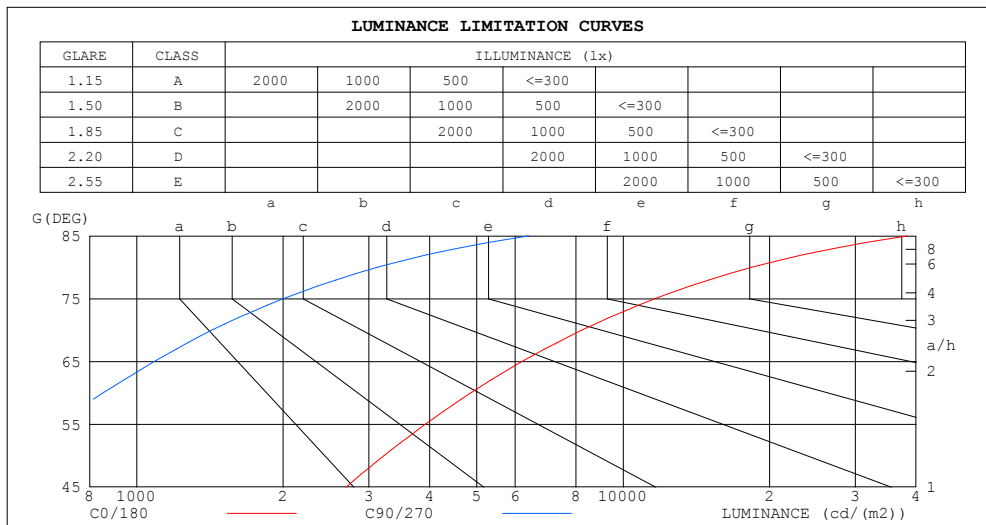
%lamp = 18.0%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-02-11

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:0.1910A P:22.60W PF:0.9790 Freq:60.00Hz Lamp Flux:1274.59x1 lm		
NAME: LOS2-8-24W-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:



LUMINANCE $\text{cd}/(\text{m}^2)$		
G (DEG)	C0/180	C90/270
85	38427	6402
80	18364	3121
75	11621	2003
70	8230	1427
65	6198	1087
60	4862	853
55	3921	683
50	3226	564
45	2694	474

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-02-11

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:0.1910A P:22.60W PF:0.9790 Freq:60.00Hz Lamp Flux:1274.59x1 lm					
NAME: LOS2-8-24W-95C-MVUD-BL 整灯 3500K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: 革星			SUR.:4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	.501	.285	.090	.481	.274	.087	.443	.254	.081	.408	.235	.076	.376	.218	.070		
2.0	.400	.219	.067	.381	.210	.065	.347	.193	.060	.315	.177	.055	.285	.161	.051		
3.0	.339	.181	.054	.323	.173	.052	.291	.158	.048	.262	.143	.044	.235	.130	.040		
4.0	.296	.154	.045	.281	.147	.043	.252	.134	.040	.225	.121	.036	.200	.109	.033		
5.0	.263	.134	.039	.249	.128	.037	.223	.116	.034	.198	.105	.031	.175	.094	.028		
6.0	.237	.119	.034	.225	.113	.033	.200	.103	.030	.177	.092	.027	.156	.082	.024		
7.0	.216	.107	.030	.204	.102	.029	.182	.092	.026	.161	.082	.024	.141	.073	.022		
8.0	.198	.097	.027	.188	.092	.026	.167	.083	.024	.147	.075	.021	.129	.066	.019		
9.0	.183	.089	.025	.173	.084	.024	.154	.076	.022	.136	.068	.019	.118	.060	.017		
10.0	.170	.082	.023	.161	.078	.022	.143	.070	.020	.126	.063	.018	.110	.055	.016		

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	.508	.508	.508	.435	.435	.435	.297	.297	.297	.170	.170	.170	.054	.054	.054	
1.0	.514	.475	.440	.440	.408	.379	.301	.280	.262	.173	.162	.152	.055	.052	.049	
2.0	.509	.454	.408	.436	.391	.352	.299	.270	.246	.172	.157	.144	.055	.051	.047	
3.0	.502	.439	.389	.431	.379	.337	.296	.263	.237	.171	.154	.139	.055	.050	.046	
4.0	.494	.428	.377	.424	.370	.328	.292	.258	.231	.169	.151	.137	.054	.049	.045	
5.0	.486	.419	.369	.418	.362	.321	.288	.253	.227	.167	.149	.135	.054	.049	.044	
6.0	.478	.412	.364	.411	.356	.317	.284	.250	.224	.165	.147	.133	.053	.048	.044	
7.0	.471	.405	.360	.405	.351	.313	.280	.246	.222	.163	.145	.132	.053	.048	.044	
8.0	.464	.400	.357	.399	.347	.311	.276	.244	.221	.161	.144	.131	.052	.047	.044	
9.0	.457	.396	.354	.394	.343	.309	.273	.241	.219	.159	.143	.131	.051	.047	.043	
10.0	.451	.392	.352	.389	.340	.307	.270	.239	.218	.157	.141	.130	.051	.046	.043	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-02-11

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:0.1910A P:22.60W PF:0.9790 Freq:60.00Hz Lamp Flux:1274.59x1 lm										
NAME: LOS2-8-24W-95C-MVUD-BL 整灯 3500K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: 革星					SUR.:4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	4.9	6.1	5.6	6.9	8.0	-4.4	-3.2	-3.7	-2.3	-1.3
3H	9.8	10.9	10.6	11.8	12.9	-0.4	0.7	0.4	1.6	2.7
4H	12.5	13.6	13.3	14.5	15.6	1.9	3.0	2.7	3.8	4.9
6H	15.5	16.6	16.4	17.4	18.6	4.4	5.4	5.2	6.3	7.4
8H	17.2	18.2	18.0	19.1	20.2	5.8	6.8	6.6	7.7	8.8
12H	19.0	20.0	19.8	20.9	22.0	7.3	8.3	8.2	9.2	10.4
4H 2H	4.4	5.5	5.3	6.4	7.5	-3.4	-2.3	-2.6	-1.4	-0.3
3H	9.4	10.4	10.2	11.3	12.4	0.3	1.3	1.2	2.2	3.4
4H	12.3	13.2	13.2	14.1	15.3	2.7	3.6	3.6	4.5	5.7
6H	15.7	16.5	16.6	17.5	18.6	5.4	6.2	6.3	7.2	8.3
8H	17.6	18.4	18.5	19.3	20.5	6.9	7.7	7.8	8.6	9.8
12H	19.7	20.5	20.7	21.4	22.6	8.6	9.4	9.6	10.3	11.5
8H 4H	12.1	12.9	13.0	13.8	15.0	3.3	4.1	4.2	5.1	6.2
6H	15.6	16.2	16.5	17.2	18.4	6.1	6.8	7.0	7.7	8.9
8H	17.6	18.2	18.5	19.2	20.4	7.7	8.4	8.7	9.3	10.6
12H	20.1	20.6	21.0	21.6	22.8	9.7	10.2	10.6	11.2	12.5
12H 4H	12.0	12.8	12.9	13.7	14.9	3.8	4.5	4.7	5.5	6.7
6H	15.5	16.1	16.4	17.1	18.3	6.4	7.0	7.4	8.0	9.2
8H	17.5	18.1	18.5	19.0	20.3	8.1	8.6	9.0	9.6	10.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.6 / - 0.5					+ 0.2 / - 0.2				
2.0H	+ 0.9 / - 0.8					+ 0.4 / - 0.3				

CIE Pub.117, 1275 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.8$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-02-11

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:0.1910A P:22.60W PF:0.9790 Freq:60.00Hz Lamp Flux:1274.59x1 lm		
NAME: LOS2-8-24W-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

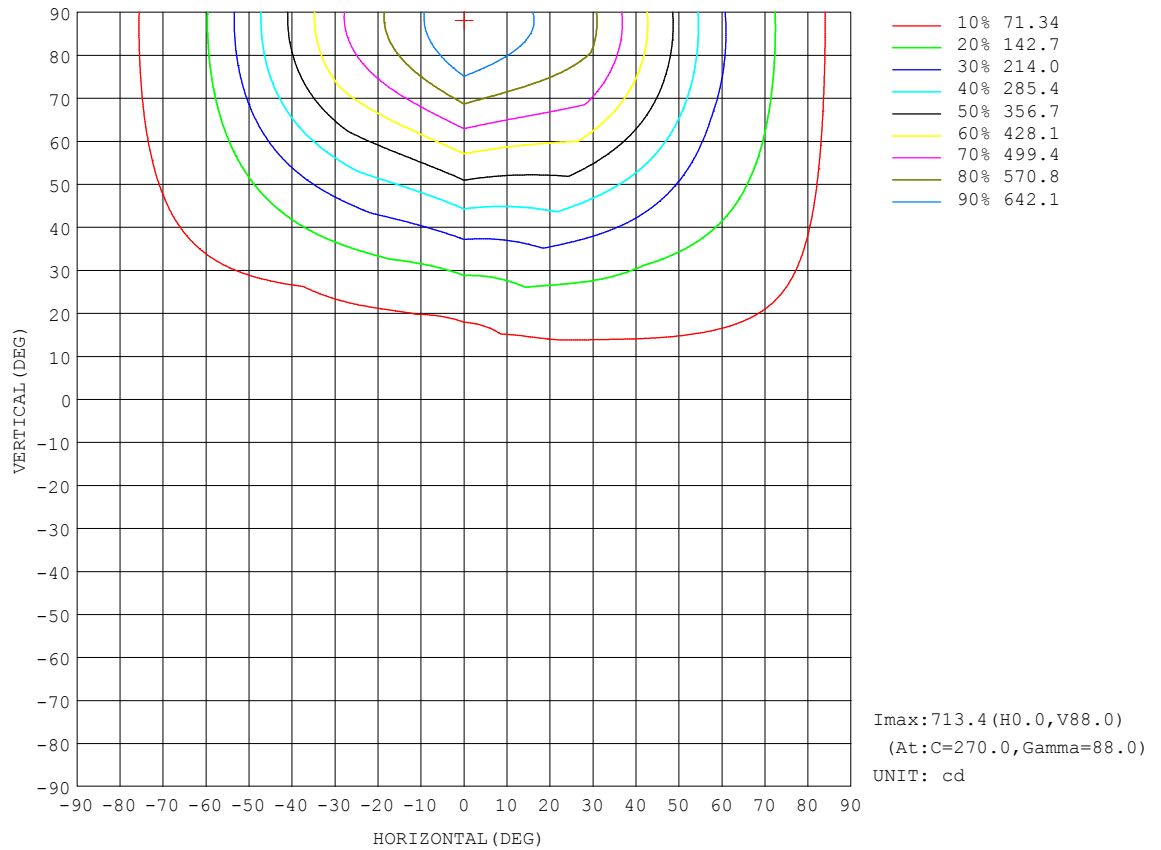
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	33	19	12	32	19	11	29	17	11	4
0.80	41	26	17	39	25	16	35	23	15	6
1.00	48	32	22	45	30	21	40	30	19	8
1.25	55	39	28	51	36	26	45	33	24	11
1.50	60	44	33	56	42	31	49	37	28	14
2.00	68	53	42	63	50	39	55	44	35	19
2.50	73	59	48	68	56	46	59	49	40	22
3.00	78	65	54	72	61	51	62	53	45	25
4.00	84	72	63	78	67	59	67	59	52	30
5.00	87	77	69	81	72	64	70	63	56	33
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: 2025-02-11

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:0.1910A P:22.60W PF:0.9790 Freq:60.00Hz Lamp Flux:1274.59x1 lm		
NAME: LOS2-8-24W-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

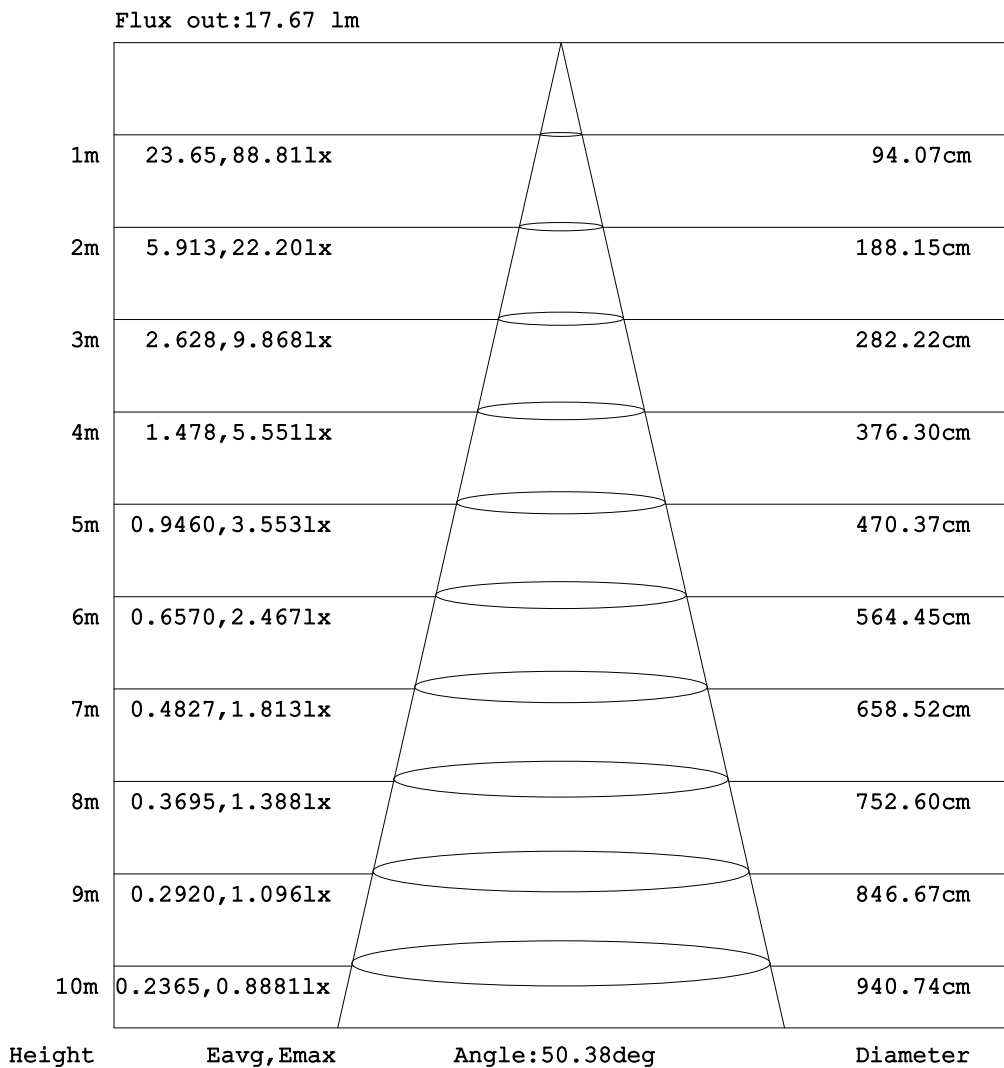


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-02-11

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:0.1910A P:22.60W PF:0.9790 Freq:60.00Hz Lamp Flux:1274.59x1 lm		
NAME: LOS2-8-24W-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

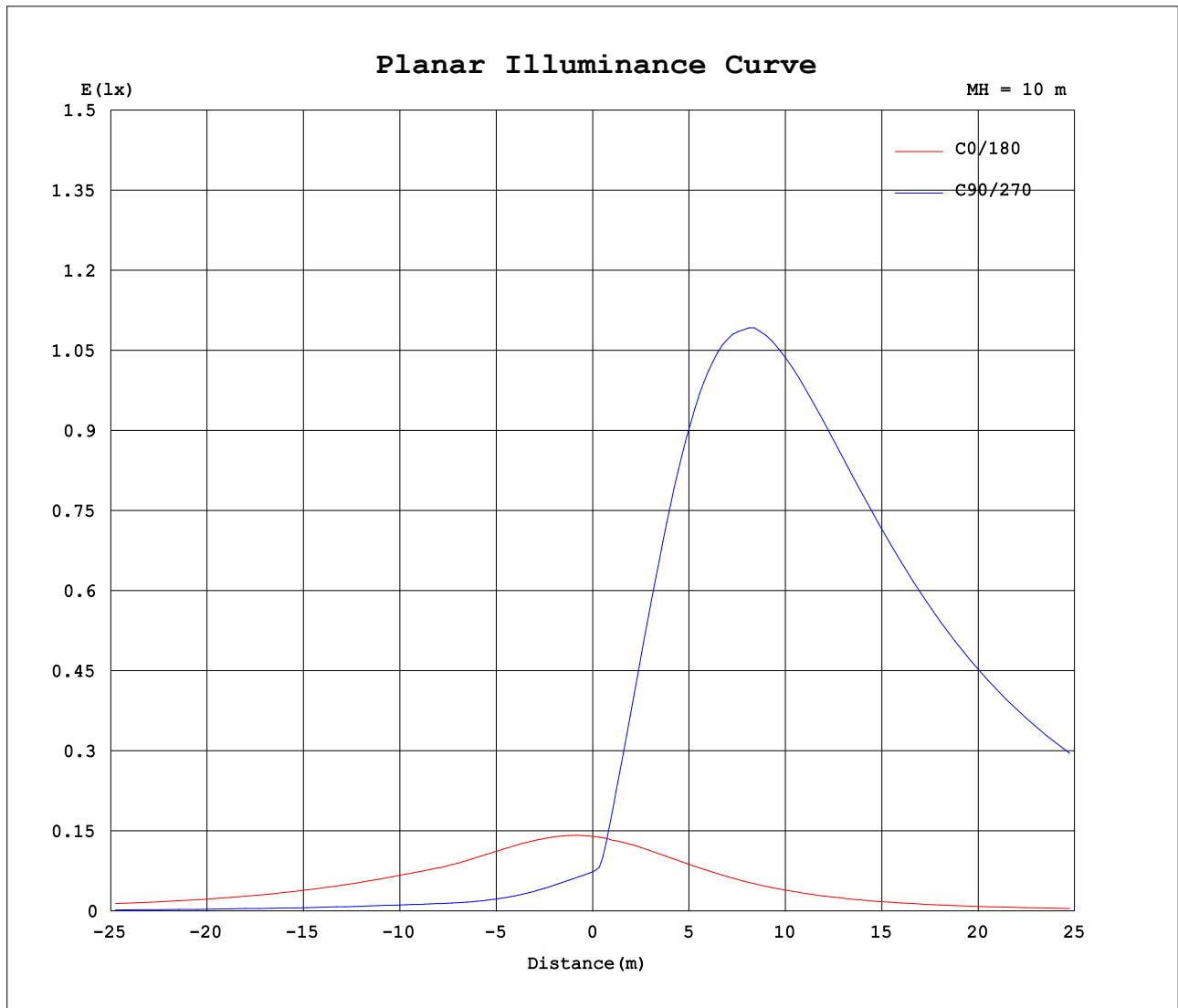


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-02-11

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: 2025-02-11

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:0.1910A P:22.60W PF:0.9790 Freq:60.00Hz Lamp Flux:1274.59x1 lm		
NAME: LOS2-8-24W-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	14.0	13.5	10.6	7.42	8.92	13.7	14.0	13.5	10.6	7.42	8.92	13.7						
5	14.4	12.2	8.41	6.34	6.67	8.38	13.7	14.8	13.3	16.1	22.7	22.8						
10	14.7	10.9	6.61	5.42	5.88	7.86	13.3	16.5	26.2	34.5	39.6	32.8						
15	15.0	9.75	5.40	4.56	5.12	7.36	13.0	22.4	42.4	56.7	60.3	43.8						
20	15.3	8.67	4.55	3.84	4.41	6.86	12.7	29.7	61.1	83.4	84.9	55.7						
25	15.6	7.70	3.94	3.34	3.87	6.34	12.4	37.4	82.3	115	114	68.4						
30	16.0	6.81	3.45	3.01	3.53	5.83	12.1	45.6	107	153	147	82.0						
35	16.4	6.04	3.09	2.93	3.35	5.37	11.8	54.0	134	195	183	96.3						
40	17.5	5.39	2.87	3.09	3.37	5.01	11.5	62.9	165	243	222	111						
45	19.0	4.85	2.83	3.35	3.62	4.74	11.2	72.2	198	293	263	126						
50	20.7	4.36	2.89	3.62	3.93	4.55	10.9	81.8	233	347	306	142						
55	22.5	3.93	2.97	3.92	4.26	4.55	10.7	91.8	271	404	350	157						
60	24.3	3.56	3.08	4.27	4.63	4.69	10.5	102	311	464	396	171						
65	26.2	3.31	3.20	4.59	4.99	4.83	10.3	112	352	526	443	185						
70	28.1	3.25	3.32	4.88	5.32	4.97	10.2	122	393	587	489	198						
75	30.1	3.24	3.44	5.18	5.61	5.14	9.98	130	430	642	530	209						
80	31.9	3.21	3.55	5.42	5.86	5.34	9.74	136	460	684	562	217						
85	33.5	3.19	3.66	5.58	6.08	5.54	9.46	139	478	708	580	221						
90	34.8	3.19	3.70	5.73	6.27	5.65	9.11	138	483	713	581	219						
95	35.5	3.08	3.68	5.70	6.33	5.64	8.82	134	470	697	563	210						
100	35.4	3.34	3.62	5.63	6.32	5.55	8.52	125	428	631	528	194						
105	34.5	3.73	3.62	5.52	6.29	5.59	8.00	112	348	468	477	174						
110	32.7	3.86	3.96	5.44	6.22	5.63	7.54	95.1	274	402	406	150						
115	30.1	4.00	4.02	5.46	6.11	5.60	7.04	77.5	217	335	316	121						
120	26.8	4.17	4.09	5.22	5.94	5.51	6.51	61.8	175	264	229	93.6						
125	23.3	4.35	4.13	4.99	5.72	5.41	6.00	49.2	140	201	159	69.8						
130	20.0	4.53	4.18	4.75	5.49	5.28	5.57	39.5	110	151	111	51.7						
135	17.2	4.73	4.20	4.48	5.23	5.16	5.22	31.6	84.6	111	78.7	38.4						
140	15.0	4.91	3.22	4.25	4.97	5.01	4.93	25.5	65.1	81.3	57.4	29.0						
145	13.1	5.09	3.06	4.05	4.72	4.90	4.63	20.8	49.7	59.6	42.5	22.1						
150	11.6	4.65	3.01	3.86	4.49	4.88	4.24	17.2	37.9	43.9	31.0	16.8						
155	10.2	3.62	2.99	3.72	4.29	4.91	4.03	13.7	28.6	31.8	22.7	12.7						
160	9.12	3.44	3.00	3.62	4.13	4.99	3.86	10.6	21.7	22.8	16.3	9.65						
165	8.21	3.24	3.08	3.57	4.01	5.08	3.68	8.04	16.4	16.0	11.7	7.49						
170	6.63	3.09	3.12	3.60	3.97	5.18	3.42	5.96	12.3	11.3	8.12	6.36						
175	4.55	3.11	3.56	4.86	4.79	5.40	3.29	4.32	8.49	7.58	5.85	6.06						
180	3.73	3.64	5.99	5.60	5.43	5.79	3.73	3.64	6.00	5.56	5.43	5.77						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-11

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: