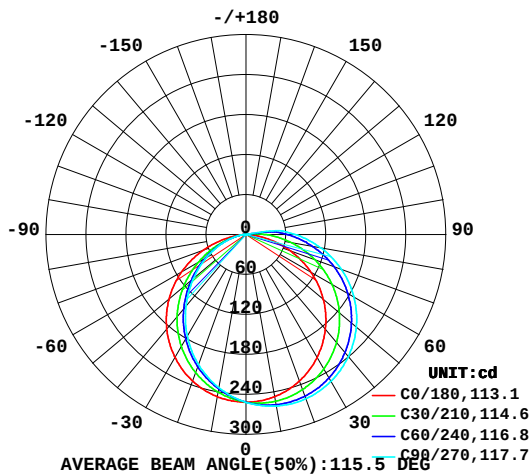


LUMINAIRE PHOTOMETRIC TEST REPORT

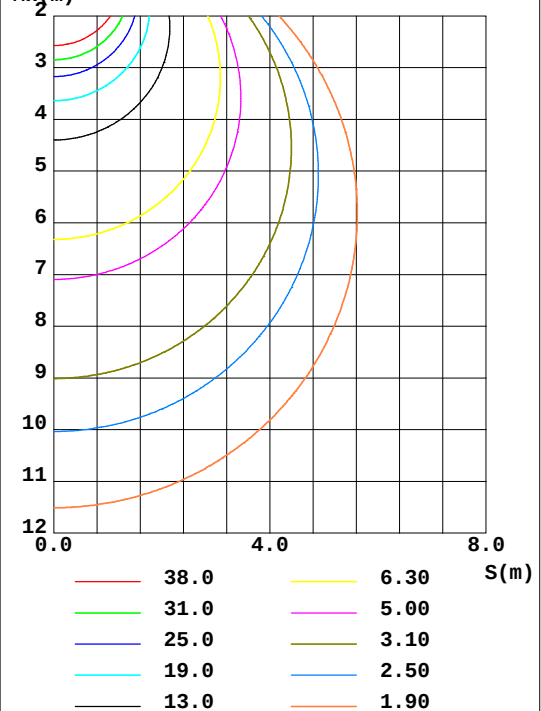
Test:U:120.13V I:0.1056A P:12.272W PF:0.9663 Freq:59.98Hz Lamp Flux:800.126x1 lm		
NAME: ASD-UCB-24D12CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.20 lm/W			
MODEL	ASD-UCB-24D12CC-BZ	I _{max} (cd)	263.2	S/MH(C0/180)	1.38
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	800.13	h UP, DN(C0-180)	2.0,61.3
NOMINAL FLUX(lm)	800.126	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.2,36.5
LAMPS INSIDE	1	h up(%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	97.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: LiuLiWen
Test Date: 2025-12-20

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lamp
10	247.3	256.8	261.3	257.3	247.4	237.9	233.7	238.2	0- 10	23.83	23.83	2.98
20	234.3	253.1	262.3	253.9	234.3	216.2	208.3	216.4	10- 20	68.37	92.20	11.5
30	213.4	241.0	254.6	241.9	213.1	187.6	176.2	187.7	20- 30	104.0	196.2	24.5
40	185.6	221.4	239.2	222.3	185.3	153.2	140.3	153.4	30- 40	126.3	322.4	40.3
50	151.6	194.9	216.3	195.8	150.8	115.2	103.0	115.6	40- 50	132.7	455.2	56.9
60	112.4	162.5	187.0	163.2	111.1	76.24	67.76	76.87	50- 60	123.3	578.4	72.3
70	69.60	125.1	152.2	125.6	67.21	39.86	36.08	40.74	60- 70	100.0	678.5	84.8
80	26.31	84.24	113.4	84.50	23.72	12.03	11.92	12.80	70- 80	67.76	746.2	93.3
90	0.3045	45.95	74.25	46.20	0.1732	0.5930	1.540	1.248	80- 90	35.99	782.2	97.8
100	0.3642	2.958	17.89	3.447	0.2977	0.6024	0.8087	0.5989	90-100	14.89	797.1	99.6
110	0.4335	0.3726	0.3593	0.3654	0.3678	0.7078	0.9433	0.6956	100-110	0.8408	797.9	99.7
120	0.4546	0.4436	0.4559	0.4331	0.3799	0.6732	0.9127	0.6647	110-120	0.5432	798.5	99.8
130	0.4772	0.4956	0.5197	0.4779	0.4065	0.6101	0.7803	0.6123	120-130	0.4954	799.0	99.9
140	0.4849	0.5251	0.5321	0.4962	0.4144	0.5651	0.6674	0.5669	130-140	0.4192	799.4	99.9
150	0.4629	0.5421	0.5589	0.5068	0.4093	0.4929	0.5809	0.5070	140-150	0.3313	799.7	100
160	0.4384	0.5383	0.5413	0.4744	0.3920	0.4045	0.4857	0.4448	150-160	0.2284	800.0	100
170	0.4112	0.5186	0.5031	0.4616	0.3621	0.3812	0.4220	0.4450	160-170	0.1261	800.1	100
180	0.4291	0.5179	0.5917	0.5145	0.4243	0.5114	0.5981	0.5157	170-180	0.0440	800.1	100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: LiuLiWen
Test Date: 2025-12-20

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.13V I:0.1056A P:12.272W PF:0.9663 Freq:59.98Hz Lamp Flux:800.126x1 lm											
NAME: ASD-UCB-24D12CC-BZ					TYPE:			WEIGHT:			
SPEC.:5000K					DIM.:			SERIAL No.:			
MFR.: ASD Lighting Corp					SUR.:			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	16.5	18.0	16.8	18.3	18.5	18.3	19.8	18.6	20.1	20.3	
	3H	18.1	19.5	18.4	19.8	20.1	20.7	22.1	21.1	22.4	22.7
	4H	18.7	20.0	19.0	20.3	20.6	22.0	23.3	22.3	23.6	23.9
	6H	19.1	20.4	19.5	20.7	21.0	23.3	24.6	23.7	24.9	25.2
	8H	19.2	20.4	19.6	20.8	21.1	24.0	25.3	24.4	25.6	25.9
	12H	19.2	20.4	19.6	20.8	21.1	24.8	26.0	25.2	26.3	26.7
4H	2H	17.6	19.0	18.0	19.3	19.6	18.9	20.3	19.3	20.6	20.9
	3H	19.5	20.7	19.9	21.0	21.4	21.6	22.8	22.0	23.1	23.5
	4H	20.3	21.4	20.7	21.8	22.2	23.0	24.1	23.5	24.5	24.9
	6H	20.9	21.9	21.3	22.3	22.7	24.6	25.6	25.0	26.0	26.4
	8H	21.1	22.0	21.6	22.4	22.9	25.4	26.3	25.8	26.7	27.2
	12H	21.2	22.1	21.7	22.5	22.9	26.3	27.1	26.8	27.6	28.0
8H	4H	21.2	22.1	21.6	22.5	23.0	23.4	24.3	23.9	24.7	25.2
	6H	22.1	22.9	22.6	23.4	23.8	25.2	26.0	25.7	26.4	26.9
	8H	22.5	23.2	23.0	23.7	24.2	26.2	26.9	26.7	27.4	27.9
	12H	22.8	23.4	23.3	23.9	24.4	27.4	28.0	27.9	28.5	29.0
12H	4H	21.4	22.3	21.9	22.7	23.2	23.4	24.3	23.9	24.7	25.2
	6H	22.5	23.2	23.0	23.7	24.2	25.3	26.0	25.8	26.5	27.0
	8H	23.1	23.7	23.6	24.2	24.7	26.4	27.0	27.0	27.5	28.1
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	+ 0.3 / - 0.5					+ 0.2 / - 0.3					

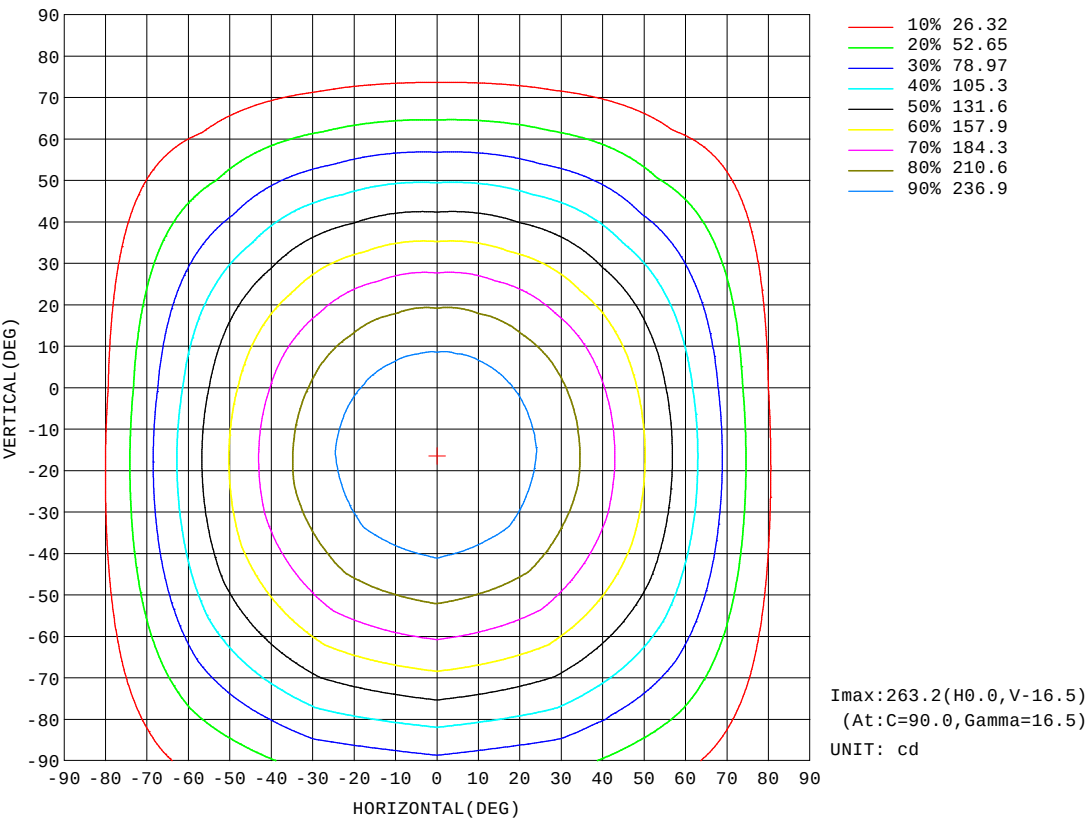
CIE Pub.117, 800.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.8)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: LiuLiWen
Test Date: 2025-12-20

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.13V I:0.1056A P:12.272W PF:0.9663 Freq:59.98Hz Lamp Flux:800.126x1 lm		
NAME: ASD-UCB-24D12CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



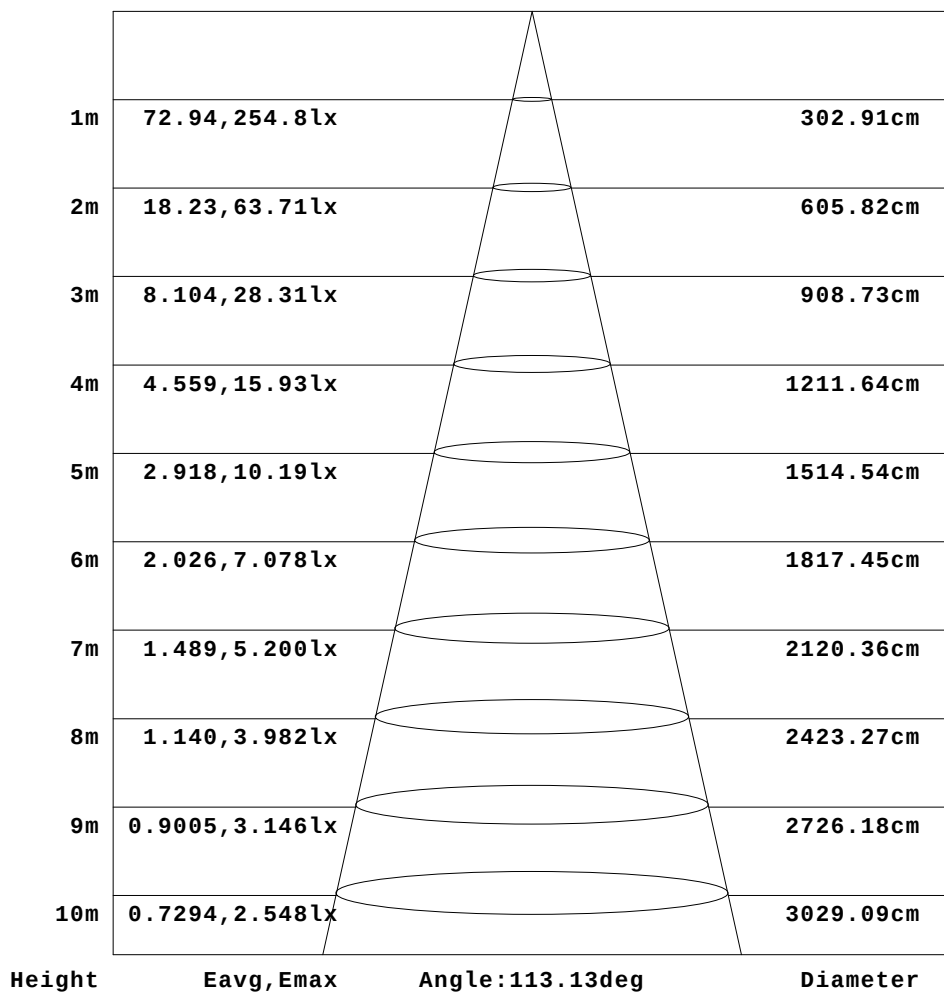
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:LiuLiWen
Test Date:2025-12-20

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.13V I:0.1056A P:12.272W PF:0.9663 Freq:59.98Hz Lamp Flux:800.126x1 lm		
NAME: ASD-UCB-24D12CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:543.3 lm



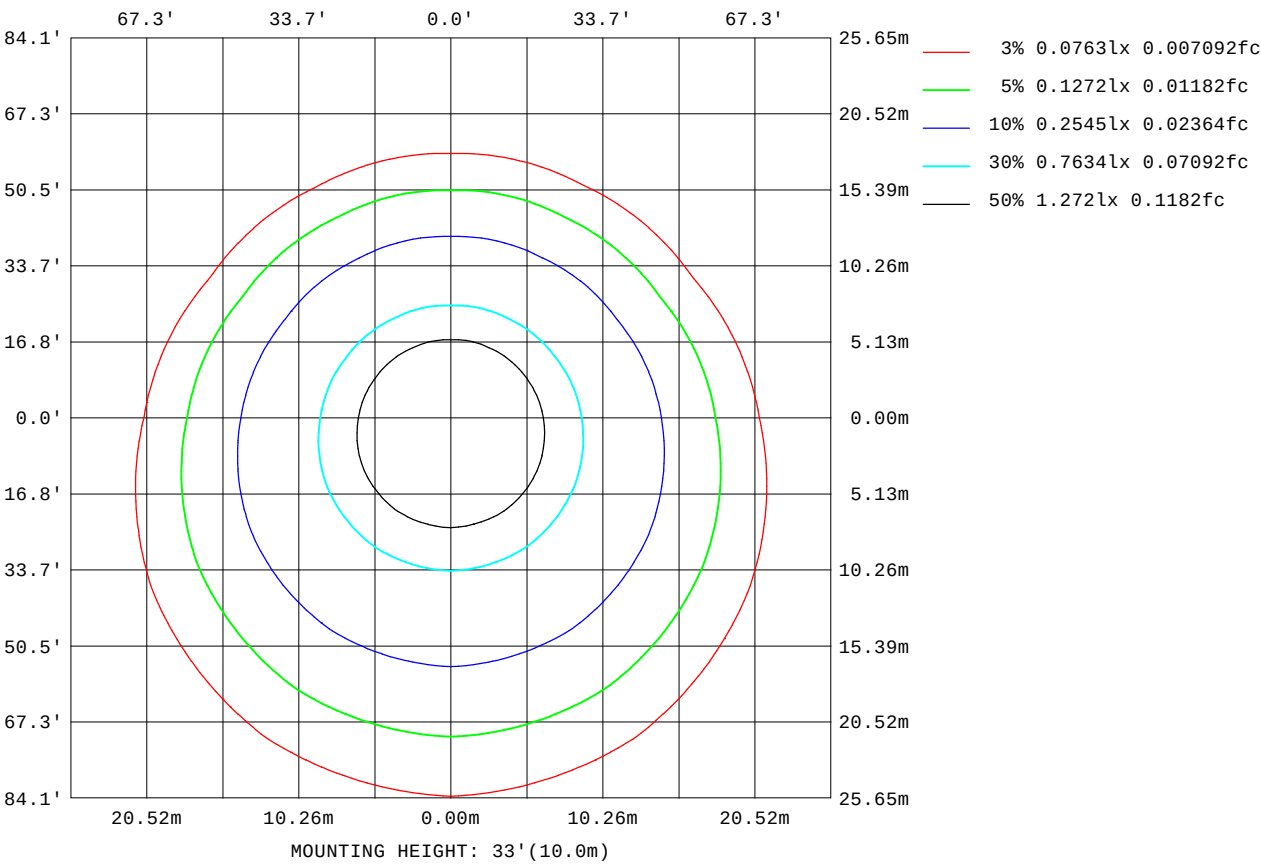
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:LiuLiWen
 Test Date:2025-12-20

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.13V I:0.1056A P:12.272W PF:0.9663 Freq:59.98Hz Lamp Flux:800.126x1 lm		
NAME: ASD-UCB-24D12CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:LiuLiWen
Test Date:2025-12-20

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.13V I:0.1056A P:12.272W PF:0.9663 Freq:59.98Hz Lamp Flux:800.126x1 lm		
NAME: ASD-UCB-24D12CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

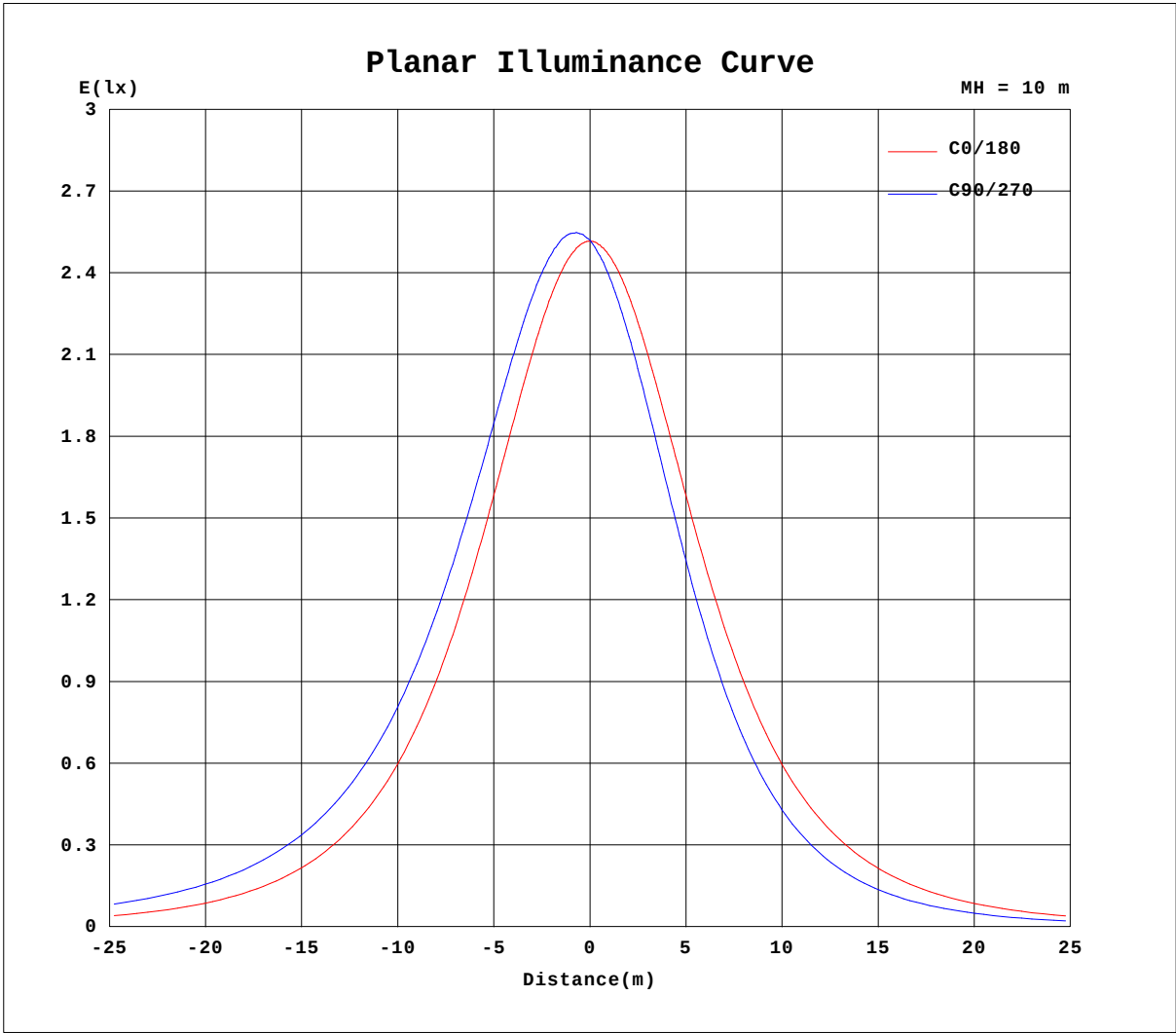
AvgL	cd/m2
L_0~180(65)av	2136
L_0~180(75)av	1782
L_0~180(85)av	906
L_90~270(65)av	2620
L_90~270(75)av	3012
L_90~270(85)av	5614
L_45(65)av	2398
L_45(75)av	2523
L_45(85)av	4000

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:LiuLiWen
Test Date:2025-12-20

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:LiuLiWen
Test Date:2025-12-20

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.13V I:0.1056A P:12.272W PF:0.9663 Freq:59.98Hz Lamp Flux:800.126x1 lm											
NAME: ASD-UCB-24D12CC-BZ						TYPE:			WEIGHT:		
SPEC.:5000K						DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp						SUR.:			Shielding Angle:		

Table--1

UNIT: cd

C(DEG) g (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	252	252	252	252	252	252	252	252	252	252	252	252						
5	250	254	257	258	257	255	251	247	245	244	245	248						
10	247	254	259	261	260	255	247	240	235	234	236	241						
15	242	252	260	263	260	253	242	232	224	222	224	232						
20	234	248	258	262	259	249	234	221	212	208	212	221						
25	225	242	255	260	255	243	225	208	197	193	197	208						
30	213	233	249	255	249	235	213	194	181	176	181	194						
35	200	223	241	248	242	225	200	178	164	159	164	178						
40	186	211	231	239	232	213	185	161	146	140	146	161						
45	169	198	220	228	221	199	169	142	127	122	127	143						
50	152	183	207	216	208	184	151	123	108	103	108	123						
55	133	167	192	202	193	168	132	102	88.7	85.2	89.1	103						
60	112	149	176	187	177	150	111	82.0	70.5	67.8	70.9	82.9						
65	91.0	130	159	170	159	131	89.5	61.7	53.0	51.2	53.6	62.7						
70	69.6	110	140	152	141	110	67.2	42.7	37.1	36.1	37.7	43.8						
75	47.4	89.0	121	133	121	89.4	44.8	25.7	23.1	22.8	23.7	26.9						
80	26.3	67.8	101	113	101	68.0	23.7	12.2	11.8	11.9	12.3	13.2						
85	8.90	47.5	80.6	93.2	80.8	47.6	6.89	3.61	4.23	4.62	4.53	4.25						
90	0.30	30.0	62.0	74.3	62.1	30.3	0.17	0.34	0.84	1.54	1.60	0.90						
95	0.29	11.8	45.3	57.4	45.4	11.3	0.23	0.43	0.63	0.71	0.61	0.42						
100	0.36	0.28	5.64	17.9	6.61	0.28	0.30	0.49	0.71	0.81	0.71	0.49						
105	0.41	0.34	0.31	0.30	0.31	0.33	0.33	0.56	0.80	0.91	0.79	0.55						
110	0.43	0.38	0.37	0.36	0.36	0.37	0.37	0.59	0.83	0.94	0.82	0.57						
115	0.45	0.41	0.41	0.40	0.40	0.40	0.38	0.58	0.83	0.95	0.82	0.56						
120	0.45	0.44	0.45	0.46	0.45	0.42	0.38	0.57	0.78	0.91	0.78	0.55						
125	0.46	0.47	0.49	0.50	0.47	0.44	0.40	0.55	0.73	0.86	0.72	0.55						
130	0.48	0.49	0.50	0.52	0.49	0.46	0.41	0.54	0.68	0.78	0.68	0.54						
135	0.49	0.51	0.51	0.54	0.50	0.49	0.41	0.53	0.63	0.73	0.63	0.54						
140	0.48	0.52	0.53	0.53	0.50	0.49	0.41	0.53	0.60	0.67	0.60	0.54						
145	0.47	0.54	0.55	0.56	0.53	0.51	0.41	0.51	0.57	0.63	0.57	0.52						
150	0.46	0.54	0.55	0.56	0.52	0.49	0.41	0.46	0.53	0.58	0.53	0.48						
155	0.45	0.53	0.55	0.55	0.51	0.48	0.40	0.43	0.51	0.54	0.53	0.45						
160	0.44	0.52	0.56	0.54	0.50	0.45	0.39	0.38	0.43	0.49	0.47	0.42						
165	0.42	0.51	0.54	0.50	0.48	0.43	0.37	0.36	0.38	0.42	0.44	0.42						
170	0.41	0.52	0.52	0.50	0.47	0.45	0.36	0.38	0.38	0.42	0.44	0.45						
175	0.42	0.51	0.55	0.54	0.49	0.46	0.38	0.42	0.43	0.47	0.47	0.48						
180	0.43	0.51	0.53	0.59	0.53	0.50	0.42	0.50	0.52	0.60	0.53	0.51						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:LiuLiWen
Test Date:2025-12-20

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks: