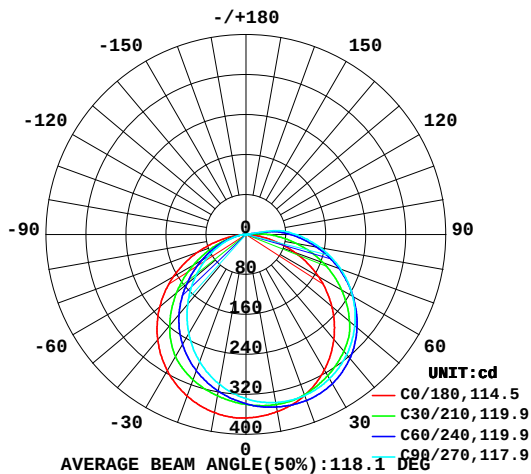


LUMINAIRE PHOTOMETRIC TEST REPORT

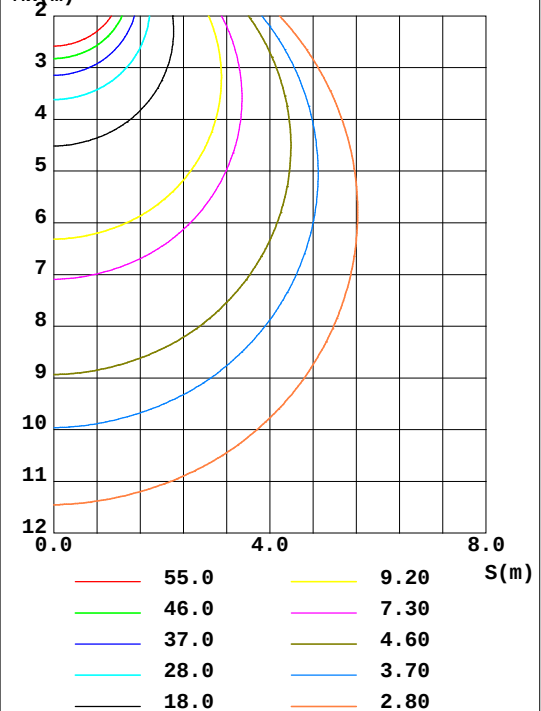
Test:U:120.26V I:0.1466A P:16.639W PF:0.9449 Freq:59.98Hz Lamp Flux:1130.71x1 lm		
NAME: ASD-UCB-32D16CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.96 lm/W			
MODEL	ASD-UCB-32D16CC-BZ	I _{max} (cd)	367.5	S/MH(C0/180)	1.39
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1130.7	h UP, DN(C0-180)	2.1, 61.3
NOMINAL FLUX(lm)	1130.71	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.2, 36.4
LAMPS INSIDE	1	h up(%)	2.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	97.7	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: 2025-12-22

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	359.9	348.1	341.2	345.5	361.9	323.1	304.7	318.0	0- 10	32.33	32.33	2.86
20	343.0	347.6	343.3	348.3	344.0	299.8	271.2	291.9	10- 20	93.50	125.8	11.1
30	313.3	336.0	333.6	342.7	314.9	268.2	229.2	256.0	20- 30	144.2	270.0	23.9
40	273.8	314.2	313.8	321.3	274.9	223.1	181.6	212.9	30- 40	177.7	447.7	39.6
50	224.5	280.3	284.6	285.1	225.3	168.4	132.7	162.3	40- 50	188.8	636.5	56.3
60	167.0	234.2	246.4	239.0	167.2	111.3	86.70	107.1	50- 60	175.9	812.4	71.8
70	102.7	180.7	201.4	185.2	102.1	58.53	46.28	56.46	60- 70	143.0	955.4	84.5
80	38.67	122.2	150.7	125.7	36.76	18.30	15.99	18.00	70- 80	97.26	1053	93.1
90	0.4700	67.35	100.1	69.40	0.2942	0.9657	1.750	1.422	80- 90	51.90	1105	97.7
100	0.5736	5.844	25.73	6.110	0.4751	0.9342	1.201	0.9117	90-100	21.53	1126	99.6
110	0.6756	0.5740	0.5359	0.5414	0.5751	1.071	1.382	1.046	100-110	1.373	1127	99.7
120	0.6926	0.6814	0.6753	0.6450	0.5895	1.015	1.344	0.9964	110-120	0.8169	1128	99.8
130	0.7286	0.7549	0.7745	0.7069	0.6205	0.9183	1.164	0.9081	120-130	0.7417	1129	99.8
140	0.7346	0.7918	0.7992	0.7319	0.6249	0.8468	1.004	0.8419	130-140	0.6271	1130	99.9
150	0.6967	0.8066	0.8371	0.7454	0.6249	0.7473	0.8868	0.7624	140-150	0.4957	1130	99.9
160	0.6594	0.7981	0.8068	0.7113	0.5927	0.6151	0.7338	0.6589	150-160	0.3426	1130	100
170	0.6262	0.7849	0.7602	0.6903	0.5662	0.5969	0.6428	0.6736	160-170	0.1907	1131	100
180	0.6619	0.7812	0.8868	0.7738	0.6575	0.7795	0.8820	0.7725	170-180	0.0670	1131	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: 2025-12-22

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:120.26V I:0.1466A P:16.639W PF:0.9449 Freq:59.98Hz Lamp Flux:1130.71x1 lm											
NAME: ASD-UCB-32D16CC-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	18.0	19.5	18.3	19.8	20.1	19.3	20.8	19.6	21.1	21.3	
	3H	19.6	21.0	19.9	21.3	21.6	23.1	22.0	23.4	23.6	
	4H	20.2	21.6	20.5	21.9	22.2	22.9	24.3	23.2	24.6	
	6H	20.6	21.9	21.0	22.2	22.5	24.2	25.5	24.6	25.8	
	8H	20.7	22.0	21.1	22.3	22.6	24.9	26.1	25.3	26.5	
	12H	20.7	22.0	21.1	22.3	22.7	25.7	26.9	26.0	27.2	
4H	2H	19.1	20.5	19.4	20.8	21.1	20.0	21.4	20.4	21.7	
	3H	21.0	22.2	21.4	22.5	22.9	22.6	23.8	23.0	24.2	
	4H	21.8	22.9	22.2	23.3	23.7	24.0	25.1	24.5	25.5	
	6H	22.4	23.4	22.9	23.8	24.2	25.5	26.5	26.0	26.9	
	8H	22.6	23.5	23.1	24.0	24.4	26.3	27.3	26.8	27.7	
	12H	22.7	23.6	23.2	24.0	24.5	27.2	28.1	27.7	28.5	
8H	4H	22.7	23.6	23.1	24.0	24.4	24.5	25.4	24.9	25.8	
	6H	23.6	24.4	24.1	24.8	25.3	26.2	27.0	26.7	27.5	
	8H	24.0	24.7	24.5	25.2	25.7	27.2	27.9	27.7	28.4	
	12H	24.3	24.9	24.8	25.4	25.9	28.4	29.0	28.9	29.4	
12H	4H	22.9	23.7	23.3	24.2	24.6	24.5	25.4	25.0	25.8	
	6H	24.0	24.7	24.5	25.2	25.7	26.4	27.1	26.9	27.5	
	8H	24.6	25.2	25.1	25.6	26.2	27.5	28.1	28.0	28.6	
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 / - 0.4					

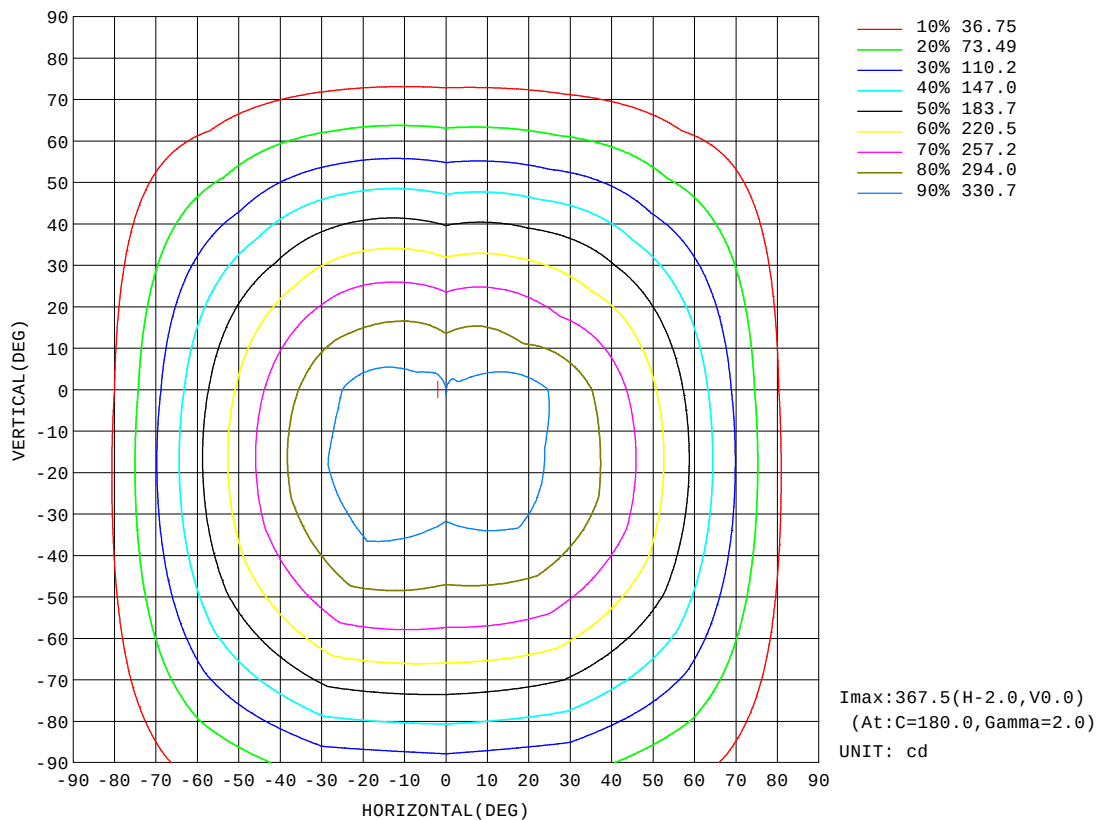
CIE Pub.117, 1131 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.4$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:LiuLiWen
 Test Date:2025-12-22

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:120.26V I:0.1466A P:16.639W PF:0.9449 Freq:59.98Hz Lamp Flux:1130.71x1 lm		
NAME: ASD-UCB-32D16CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



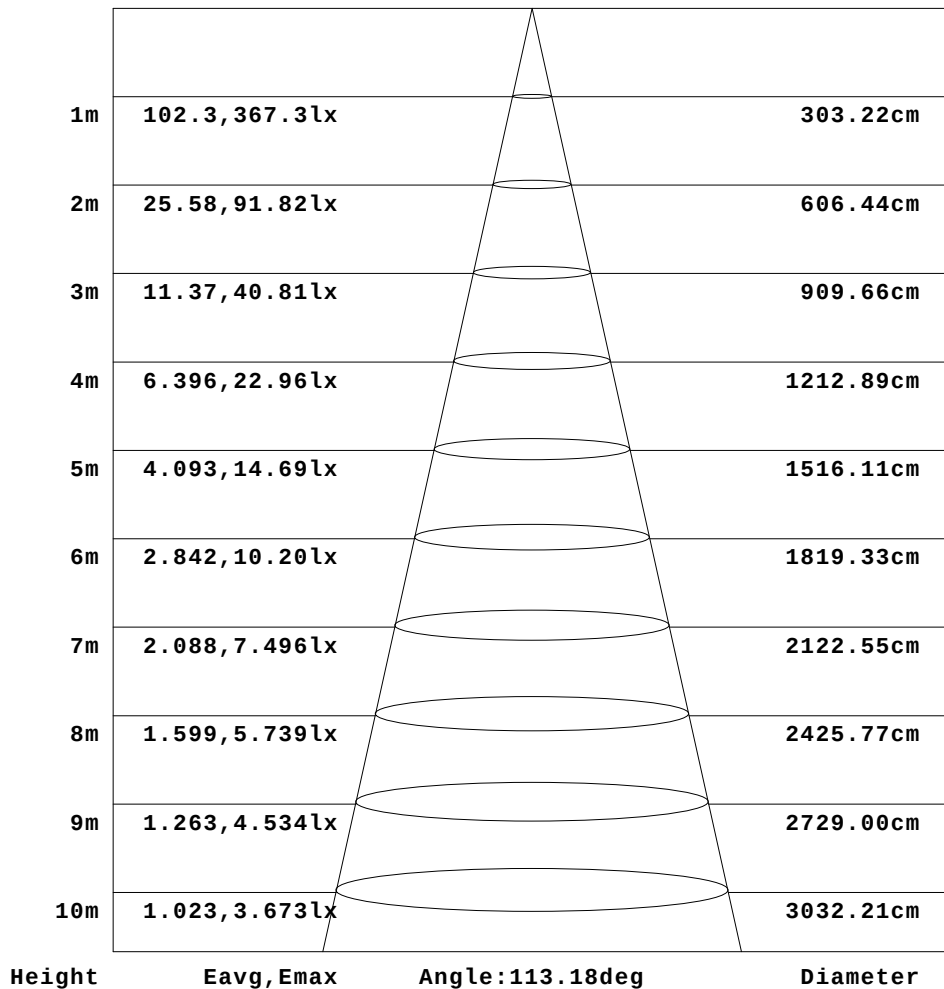
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: LiuLiWen
Test Date: 2025-12-22

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:120.26V I:0.1466A P:16.639W PF:0.9449 Freq:59.98Hz Lamp Flux:1130.71x1 lm		
NAME: ASD-UCB-32D16CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:762.3 lm



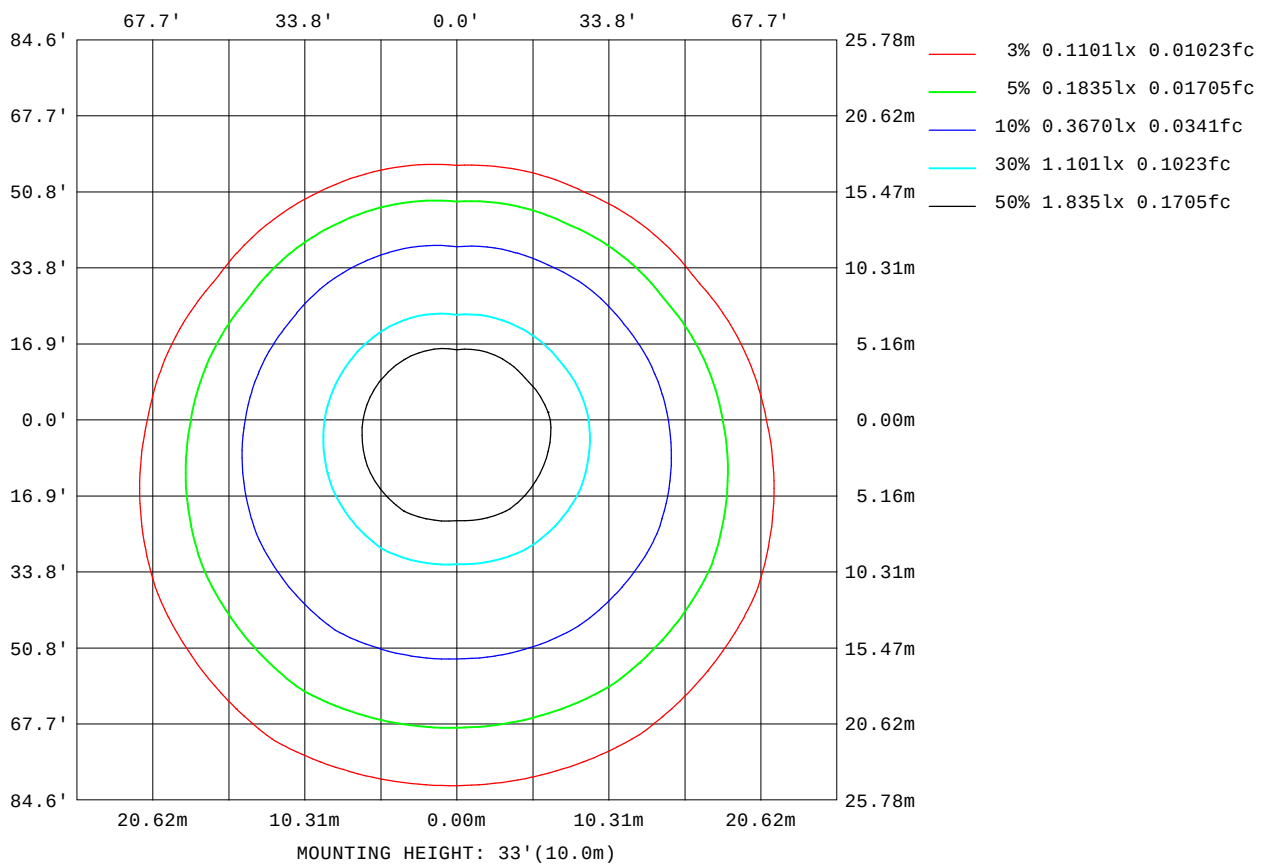
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:LiuLiWen
Test Date:2025-12-22

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:

ISOLUX DIAGRAM

Test:U:120.26V I:0.1466A P:16.639W PF:0.9449 Freq:59.98Hz Lamp Flux:1130.71x1 lm		
NAME: ASD-UCB-32D16CC-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: 2025-12-22

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:120.26V I:0.1466A P:16.639W PF:0.9449 Freq:59.98Hz Lamp Flux:1130.71x1 lm		
NAME: ASD-UCB-32D16CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

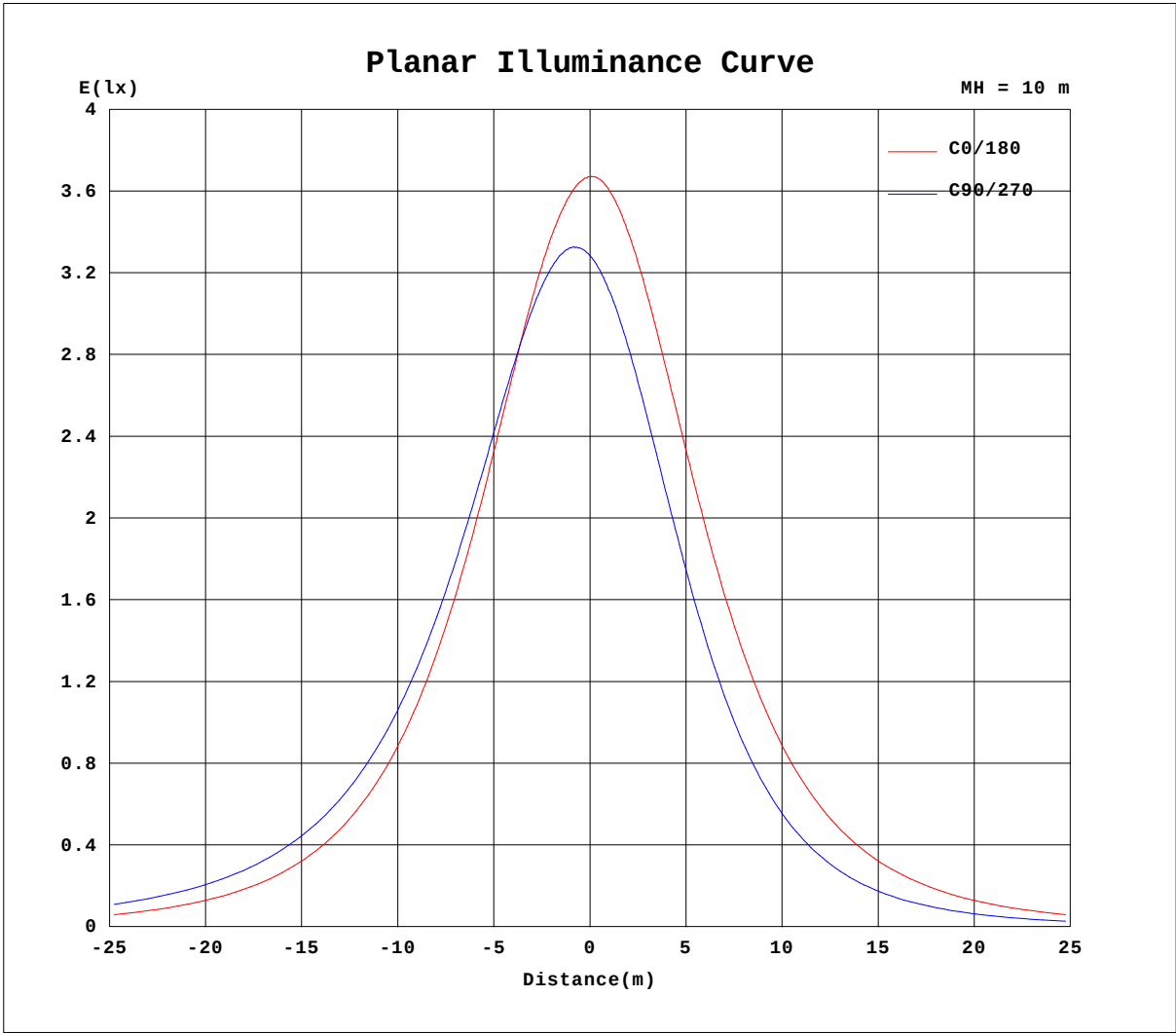
AvgL	cd/m2
L_0~180(65)av	3202
L_0~180(75)av	2678
L_0~180(85)av	1362
L_90~270(65)av	3433
L_90~270(75)av	3983
L_90~270(85)av	7528
L_45(65)av	3483
L_45(75)av	3699
L_45(85)av	5950

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:LiuLiWen
Test Date:2025-12-22

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:2025-12-22

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:120.26V I:0.1466A P:16.639W PF:0.9449 Freq:59.98Hz Lamp Flux:1130.71x1 lm		
NAME: ASD-UCB-32D16CC-BZ	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEC) g (DEC)	0	30	60	90	120	150	180	210	240	270	300	330						
0	367	340	339	328	336	335	367	340	339	328	336	335						
5	365	344	346	337	344	339	367	334	330	318	327	329						
10	360	346	351	341	349	342	362	328	318	305	315	321						
15	353	345	353	343	352	343	355	320	305	289	301	311						
20	343	342	354	343	354	343	344	309	290	271	286	298						
25	330	335	351	340	352	341	331	297	273	251	267	283						
30	313	327	345	334	349	337	315	282	254	229	246	266						
35	295	316	336	325	342	327	296	262	233	206	224	247						
40	274	305	324	314	332	311	275	237	209	182	199	227						
45	250	291	308	300	318	292	251	210	183	157	173	205						
50	225	270	290	285	300	270	225	182	155	133	147	178						
55	197	247	270	266	279	247	197	152	128	109	121	149						
60	167	221	247	246	257	221	167	121	102	86.7	95.5	119						
65	135	193	223	225	233	194	135	90.8	76.6	65.5	71.8	89.7						
70	103	164	198	201	206	164	102	63.3	53.7	46.3	50.5	62.4						
75	70.1	133	170	177	178	134	68.5	38.5	33.8	29.6	32.0	38.3						
80	38.7	102	143	151	149	102	36.8	18.7	17.9	16.0	17.1	18.9						
85	12.7	71.5	115	125	119	72.5	11.0	5.86	6.79	6.53	6.62	6.23						
90	0.47	45.6	89.1	100	92.3	46.5	0.29	0.58	1.35	1.75	1.82	1.02						
95	0.49	17.5	65.6	78.1	68.2	16.4	0.39	0.68	0.95	1.06	0.92	0.66						
100	0.57	0.46	11.2	25.7	11.8	0.43	0.48	0.78	1.09	1.20	1.07	0.76						
105	0.63	0.52	0.48	0.45	0.45	0.51	0.52	0.87	1.19	1.35	1.17	0.85						
110	0.68	0.59	0.56	0.54	0.53	0.55	0.58	0.91	1.23	1.38	1.21	0.88						
115	0.69	0.64	0.62	0.60	0.59	0.60	0.60	0.89	1.22	1.41	1.21	0.86						
120	0.69	0.67	0.69	0.68	0.65	0.64	0.59	0.86	1.17	1.34	1.16	0.83						
125	0.71	0.71	0.73	0.73	0.69	0.67	0.61	0.84	1.09	1.27	1.08	0.82						
130	0.73	0.75	0.76	0.77	0.72	0.69	0.62	0.81	1.02	1.16	1.01	0.81						
135	0.74	0.77	0.77	0.80	0.72	0.71	0.63	0.80	0.95	1.09	0.93	0.80						
140	0.73	0.79	0.79	0.80	0.74	0.72	0.62	0.80	0.89	1.00	0.89	0.80						
145	0.71	0.82	0.83	0.84	0.77	0.75	0.62	0.76	0.86	0.95	0.85	0.78						
150	0.70	0.80	0.81	0.84	0.76	0.73	0.62	0.70	0.80	0.89	0.80	0.73						
155	0.68	0.80	0.83	0.82	0.76	0.72	0.60	0.65	0.77	0.81	0.79	0.68						
160	0.66	0.77	0.83	0.81	0.74	0.68	0.59	0.57	0.66	0.73	0.70	0.62						
165	0.62	0.75	0.80	0.76	0.71	0.66	0.56	0.57	0.60	0.64	0.68	0.64						
170	0.63	0.78	0.79	0.76	0.70	0.68	0.57	0.59	0.60	0.64	0.67	0.68						
175	0.64	0.79	0.83	0.82	0.74	0.70	0.60	0.66	0.66	0.72	0.72	0.73						
180	0.66	0.77	0.79	0.89	0.77	0.78	0.66	0.77	0.79	0.88	0.77	0.77						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:LiuLiWen
Test Date:2025-12-22

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: