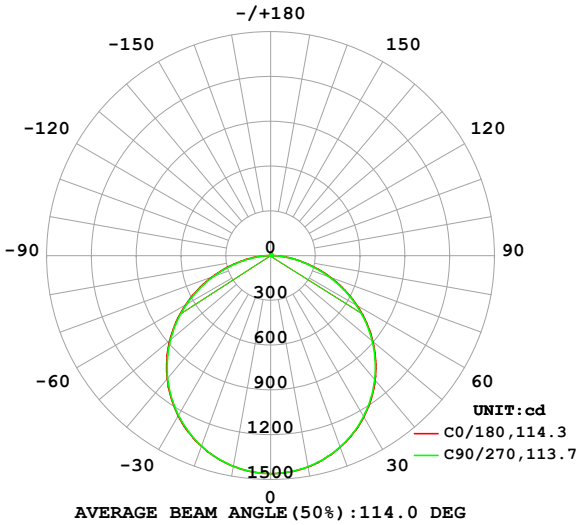
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.35V I:0.2804A P:33.404W PF:0.9900 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4317.07x1 lm		
NAME: ASD-BFR-22A35	TYPE:	WEIGHT:
SPEC.: 35W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.6m	Shielding Angle:

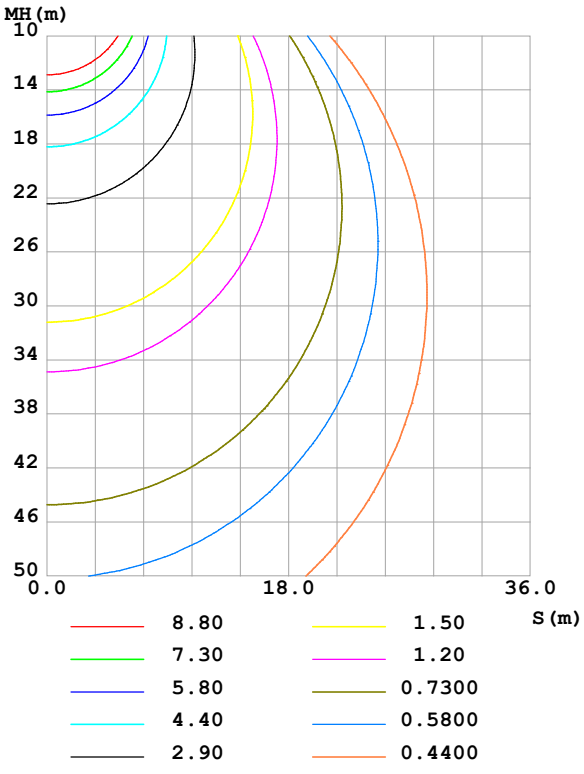
DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.24 lm/W			
MODEL	ASD-BFR-22A35	Imax(cd)	1461	S/MH(C0/180)	1.26
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4317.1	η UP,DN(C0-180)	0.6,49.8
NOMINAL FLUX(lm)	4317.07	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,48.9
LAMPS INSIDE	1	η up(%)	1.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	98.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):114.0 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [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	1438	1438	1435	1436	1434	1433	1432	1436	0- 10	138.2	138.2	3.2,3.2
20	1366	1367	1363	1363	1359	1356	1357	1362	10- 20	396.4	534.6	12.4,12.4
30	1248	1250	1245	1245	1240	1235	1235	1241	20- 30	602.6	1137	26.3,26.3
40	1090	1092	1084	1086	1079	1072	1074	1079	30- 40	730.0	1867	43.3,43.3
50	894.1	896.8	888.4	889.7	882.5	873.4	875.6	882.0	40- 50	761.6	2629	60.9,60.9
60	669.3	671.3	662.9	665.0	657.4	647.8	648.7	654.5	50- 60	692.8	3322	76.9,76.9
70	427.6	429.9	419.5	424.1	417.2	406.4	405.3	411.8	60- 70	533.8	3855	89.3,89.3
80	193.2	194.5	186.0	190.4	185.5	175.0	171.8	179.4	70- 80	315.1	4171	96.6,96.6
90	6.683	8.999	7.346	8.840	5.596	4.540	4.820	5.478	80- 90	93.66	4264	98.8,98.8
100	4.123	4.081	4.107	4.206	4.823	4.794	4.718	4.664	90-100	4.160	4268	98.9,98.9
110	5.935	5.886	5.944	6.042	6.787	6.729	6.668	6.551	100-110	5.684	4274	99,99
120	7.700	7.694	7.750	7.887	8.688	8.591	8.532	8.448	110-120	7.183	4281	99.2,99.2
130	9.498	9.431	9.508	9.649	10.43	10.32	10.27	10.15	120-130	8.102	4289	99.4,99.4
140	11.09	11.10	11.16	11.29	11.96	11.86	11.81	11.69	130-140	8.281	4298	99.6,99.6
150	12.54	12.56	12.61	12.76	13.25	13.15	13.13	13.03	140-150	7.652	4305	99.7,99.7
160	13.83	13.84	13.92	13.98	14.33	14.19	14.23	14.09	150-160	6.229	4312	99.9,99.9
170	14.80	14.64	14.83	14.75	15.04	14.80	15.00	14.75	160-170	4.091	4316	100,100
180	15.29	15.11	15.28	15.14	15.29	15.10	15.28	15.14	170-180	1.432	4317	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2250.3 lm

%lum = 52.1%
%lamp = 52.1%

Conical surface Flux(130deg): 3613.1 lm

%lum = 83.7%
%lamp = 83.7%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

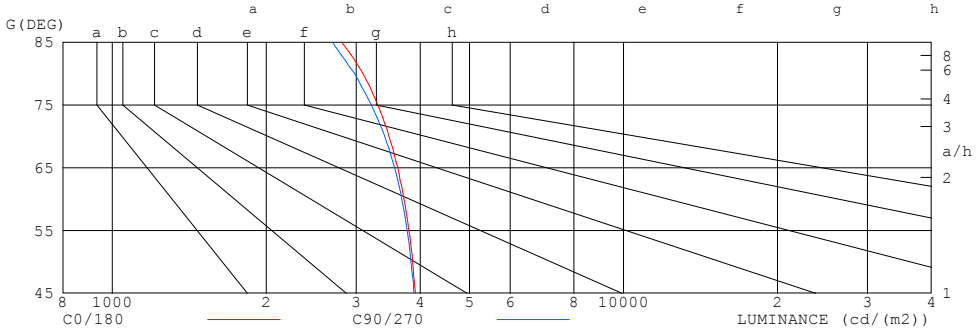
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.35V I:0.2804A P:33.404W PF:0.9900 Freq:60.01Hz **UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4317.07x1 lm**		
NAME: ASD-BFR-22A35	**TYPE:**	**WEIGHT:**
SPEC.: 35W-5000K	**DIM.:**	**SERIAL No.:**
MFR.: ASD Lighting Corp.	**SUR.: 0.6*0.6m**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2807	2691
80	3091	2976
75	3304	3210
70	3474	3408
65	3617	3567
60	3719	3683
55	3802	3774
50	3865	3840
45	3916	3891

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.35V I:0.2804A P:33.404W PF:0.9900 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4317.07x1 lm		
NAME: ASD-BFR-22A35	TYPE:	WEIGHT:
SPEC.: 35W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.6m	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	17.5	19.0	17.8	19.3	19.5	17.5	19.0	17.8	19.2	19.5
3H	19.1	20.5	19.4	20.8	21.0	19.0	20.4	19.4	20.7	21.0
4H	19.8	21.1	20.1	21.4	21.6	19.7	21.0	20.0	21.3	21.6
6H	20.3	21.5	20.6	21.8	22.1	20.2	21.4	20.5	21.7	22.0
8H	20.4	21.6	20.8	21.9	22.3	20.3	21.5	20.7	21.8	22.1
12H	20.5	21.7	20.9	22.0	22.3	20.4	21.6	20.8	21.9	22.2
4H 2H	18.1	19.5	18.5	19.8	20.0	18.1	19.5	18.5	19.7	20.0
3H	19.9	21.1	20.3	21.4	21.7	19.9	21.0	20.2	21.4	21.7
4H	20.7	21.8	21.1	22.1	22.5	20.6	21.7	21.0	22.0	22.4
6H	21.3	22.3	21.7	22.7	23.0	21.2	22.2	21.7	22.6	23.0
8H	21.6	22.4	22.0	22.8	23.2	21.5	22.3	21.9	22.7	23.1
12H	21.7	22.5	22.2	22.9	23.4	21.6	22.4	22.1	22.8	23.3
8H 4H	21.0	21.9	21.4	22.3	22.7	20.9	21.8	21.4	22.2	22.6
6H	21.8	22.5	22.2	22.9	23.4	21.7	22.4	22.2	22.9	23.3
8H	22.1	22.8	22.6	23.2	23.7	22.0	22.7	22.5	23.1	23.6
12H	22.4	22.9	22.9	23.4	23.9	22.3	22.8	22.8	23.3	23.8
12H 4H	21.0	21.8	21.5	22.2	22.7	21.0	21.8	21.4	22.2	22.6
6H	21.9	22.5	22.3	23.0	23.4	21.8	22.4	22.3	22.9	23.4
8H	22.2	22.8	22.7	23.3	23.8	22.1	22.7	22.6	23.2	23.7

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.1 / - 0.2	+ 0.1 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.1 / - 0.3	+ 0.1 / - 0.3

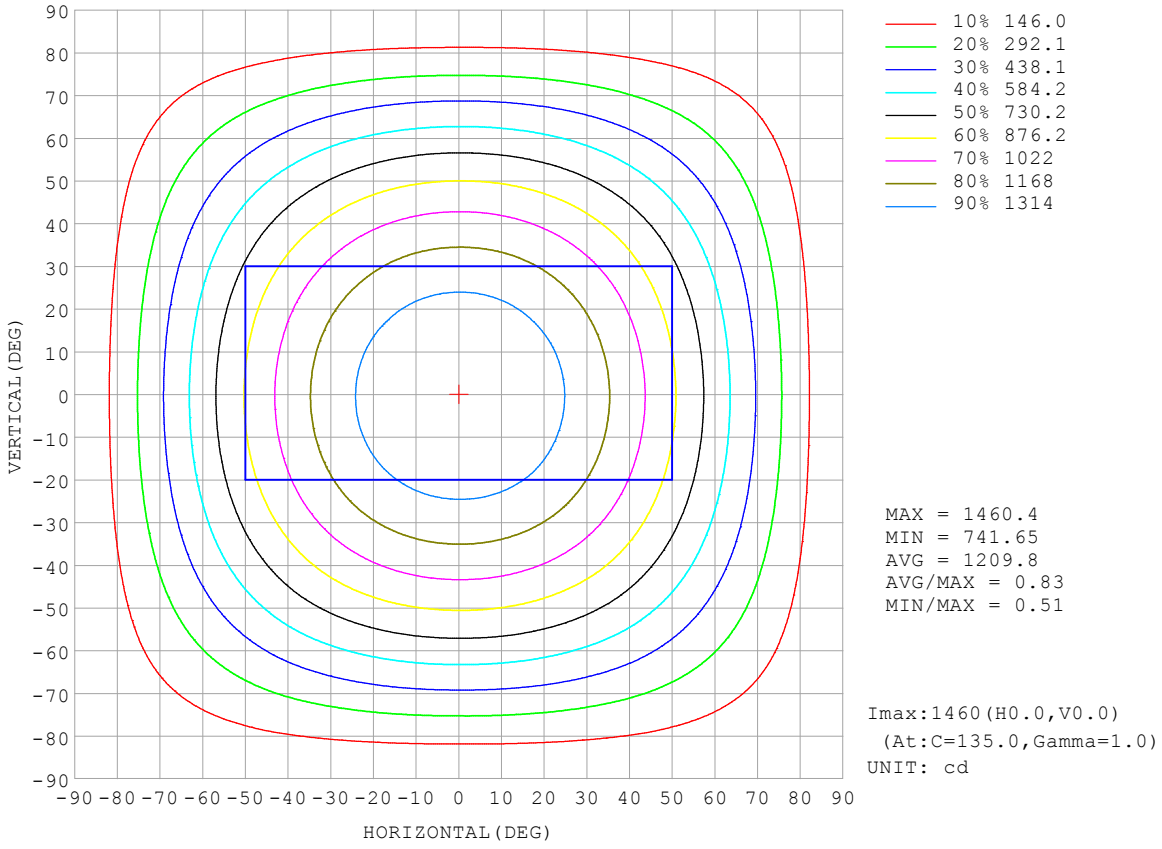
CIE Pub.117, 4317 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.1)
Area: 0.36 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.35V I:0.2804A P:33.404W PF:0.9900 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4317.07x1 lm		
NAME: ASD-BFR-22A35	TYPE:	WEIGHT:
SPEC.: 35W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.6m	Shielding Angle:



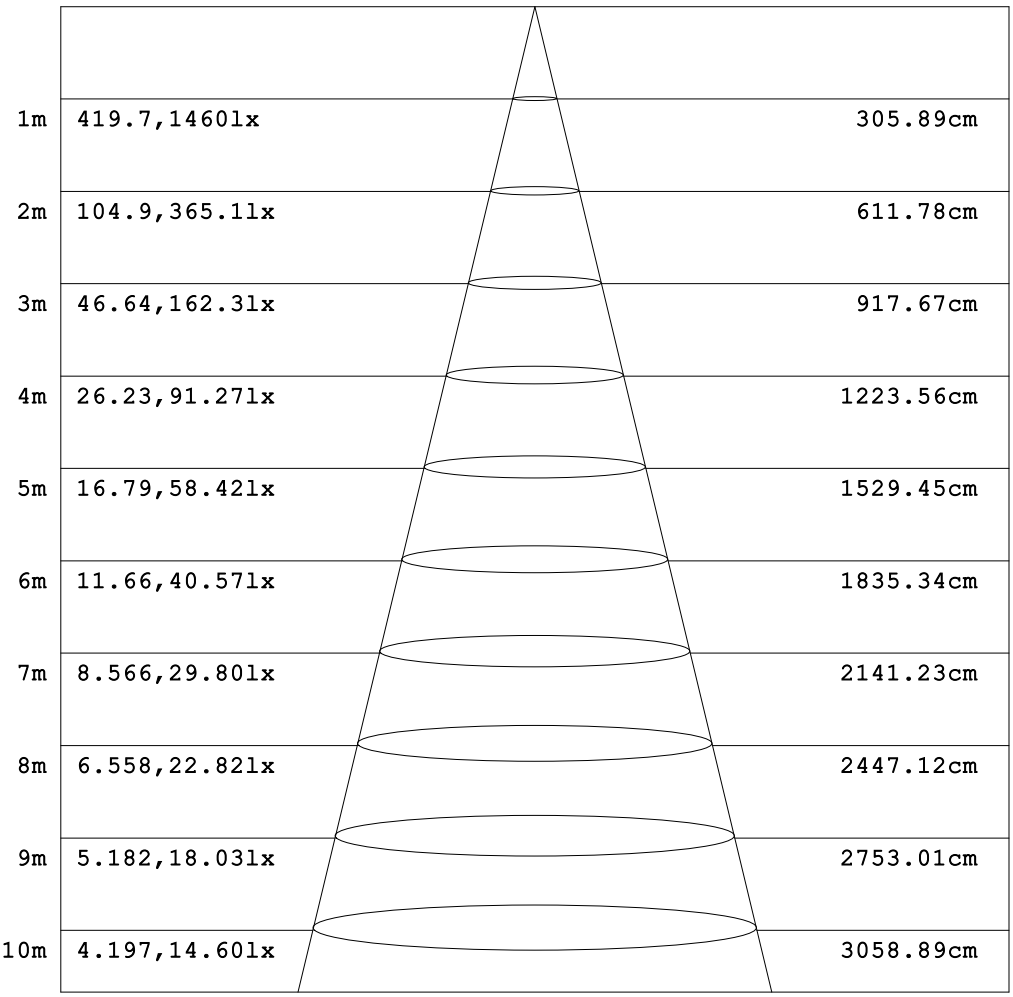
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.35V I:0.2804A P:33.404W PF:0.9900 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4317.07x1 lm		
NAME: ASD-BFR-22A35	TYPE:	WEIGHT:
SPEC.: 35W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.6m	Shielding Angle:

Flux out:3127 lm



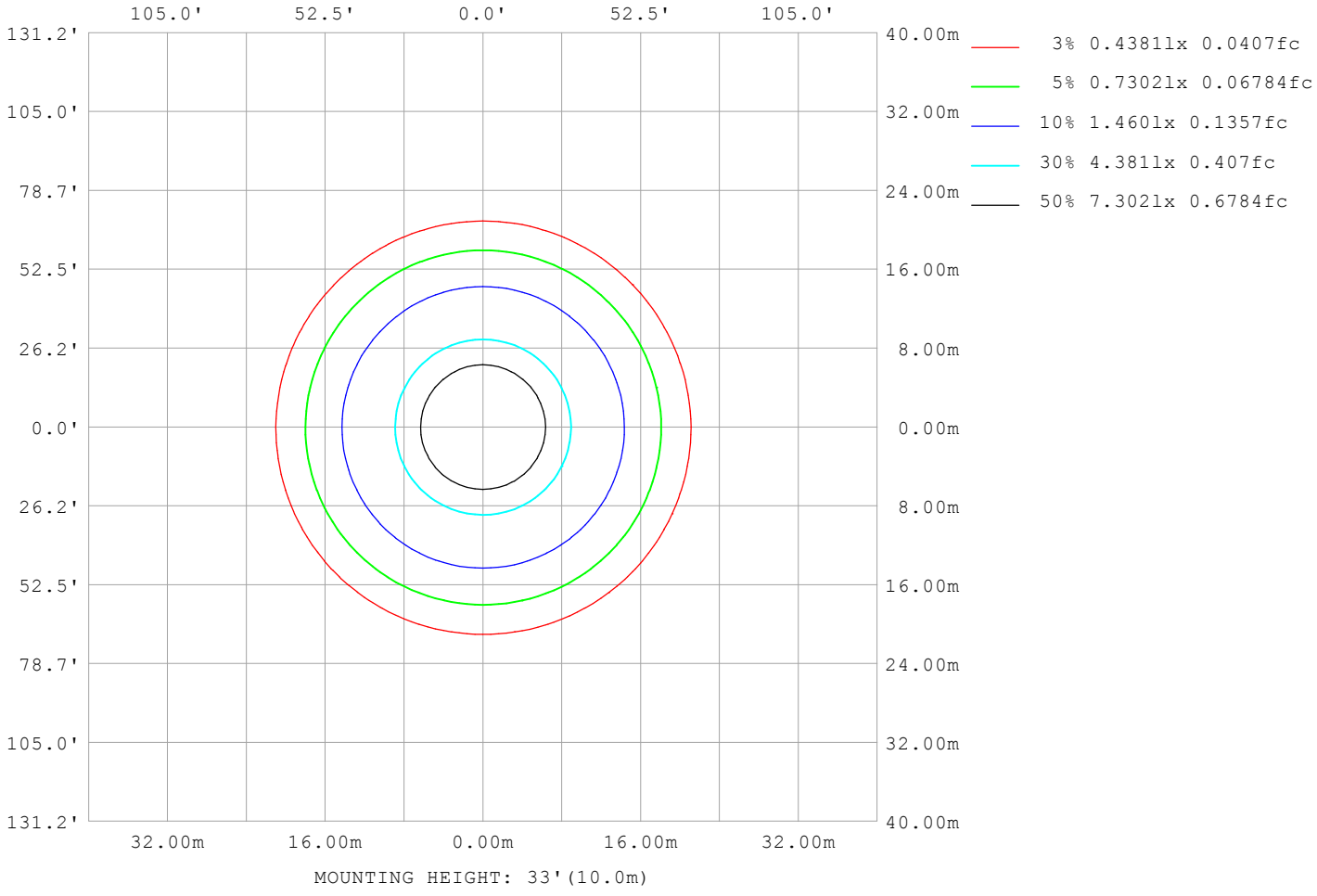
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

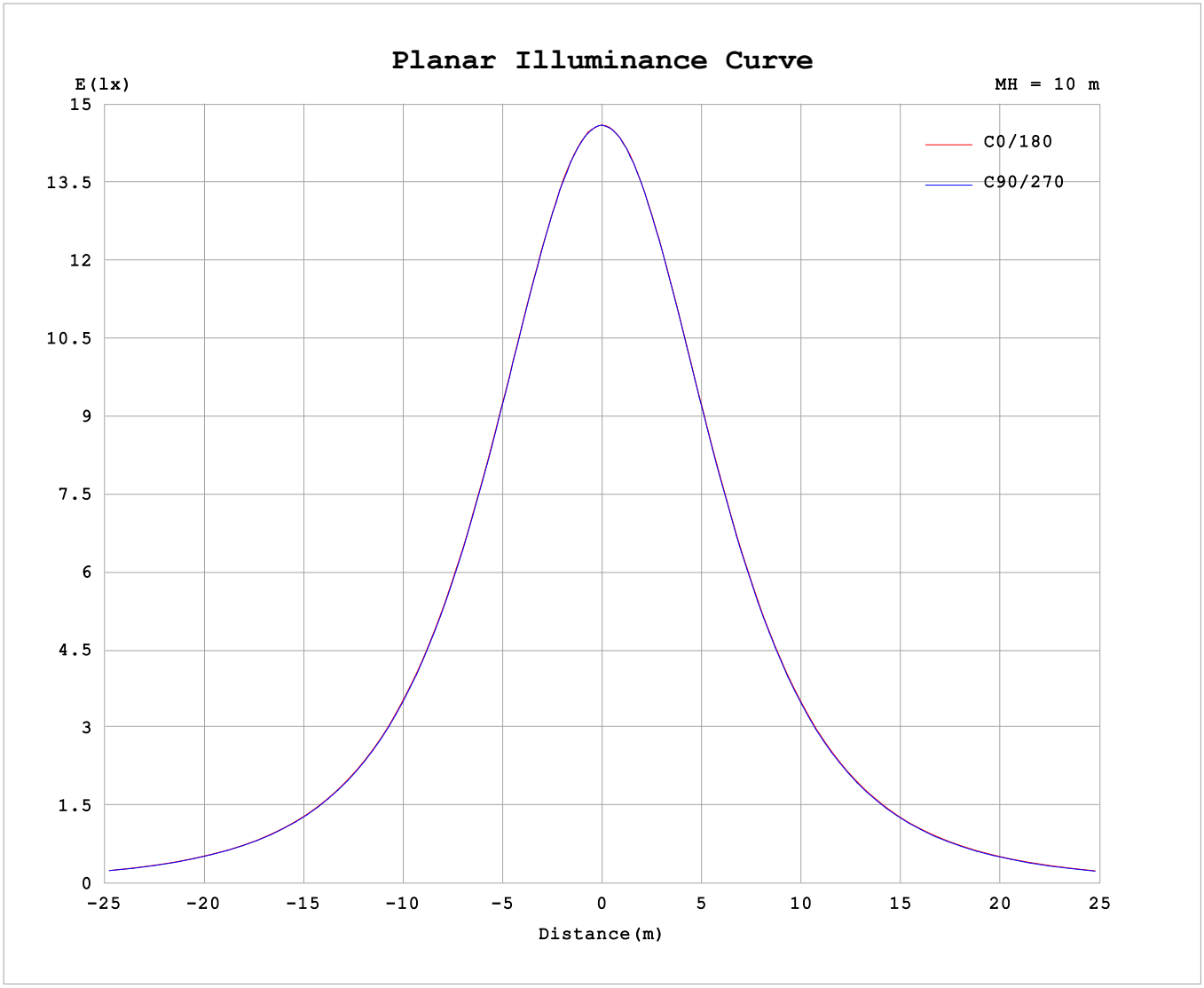
Test:U:120.35V I:0.2804A P:33.404W PF:0.9900 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4317.07x1 lm		
NAME: ASD-BFR-22A35	TYPE:	WEIGHT:
SPEC.: 35W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.6m	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.35V I:0.2804A P:33.404W PF:0.9900 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4317.07x1 lm		
NAME: ASD-BFR-22A35	TYPE:	WEIGHT:
SPEC.: 35W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.6m	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315											
0	1460	1460	1460	1460	1460	1460	1460	1460											
5	1454	1455	1454	1454	1453	1453	1453	1455											
10	1438	1438	1435	1436	1434	1433	1432	1436											
15	1407	1408	1406	1407	1402	1399	1400	1404											
20	1366	1367	1363	1363	1359	1356	1357	1362											
25	1312	1315	1309	1308	1304	1300	1303	1306											
30	1248	1250	1245	1245	1240	1235	1235	1241											
35	1173	1176	1169	1171	1164	1159	1159	1165											
40	1090	1092	1084	1086	1079	1072	1074	1079											
45	996	998	990	992	985	977	979	984											
50	894	897	888	890	883	873	876	882											
55	785	788	779	780	773	764	765	771											
60	669	671	663	665	657	648	649	655											
65	550	552	543	545	539	528	528	534											
70	428	430	420	424	417	406	405	412											
75	308	309	299	303	298	287	284	292											
80	193	194	186	190	185	175	172	179											
85	88.0	90.6	84.4	88.3	82.7	74.9	72.8	76.5											
90	6.68	9.00	7.35	8.84	5.60	4.54	4.82	5.48											
95	3.28	3.24	3.24	3.33	3.85	3.85	3.78	3.74											
100	4.12	4.08	4.11	4.21	4.82	4.79	4.72	4.66											
105	5.03	4.99	5.02	5.11	5.81	5.77	5.70	5.62											
110	5.93	5.89	5.94	6.04	6.79	6.73	6.67	6.55											
115	6.81	6.81	6.83	7.00	7.74	7.70	7.59	7.54											
120	7.70	7.69	7.75	7.89	8.69	8.59	8.53	8.45											
125	8.61	8.57	8.65	8.77	9.61	9.49	9.45	9.32											
130	9.50	9.43	9.51	9.65	10.4	10.3	10.3	10.2											
135	10.3	10.3	10.3	10.5	11.2	11.1	11.1	10.9											
140	11.1	11.1	11.2	11.3	12.0	11.9	11.8	11.7											
145	11.8	11.8	11.9	12.0	12.6	12.6	12.5	12.4											
150	12.5	12.6	12.6	12.8	13.3	13.2	13.1	13.0											
155	13.2	13.3	13.3	13.4	13.8	13.7	13.7	13.6											
160	13.8	13.8	13.9	14.0	14.3	14.2	14.2	14.1											
165	14.4	14.3	14.4	14.4	14.8	14.5	14.7	14.4											
170	14.8	14.6	14.8	14.7	15.0	14.8	15.0	14.8											
175	15.1	15.0	15.1	15.0	15.3	15.0	15.2	15.0											
180	15.3	15.1	15.3	15.1	15.3	15.1	15.3	15.1											

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2026-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.900m [K=1.0000]
Remarks: