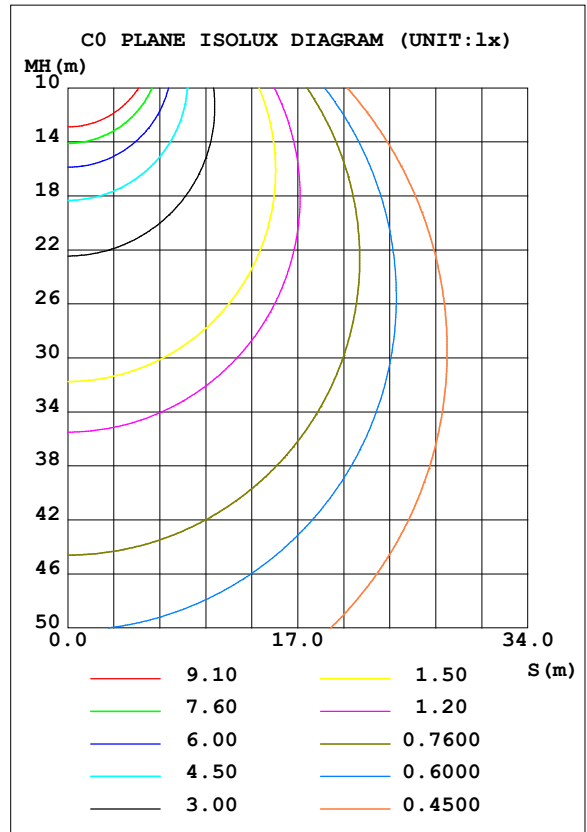
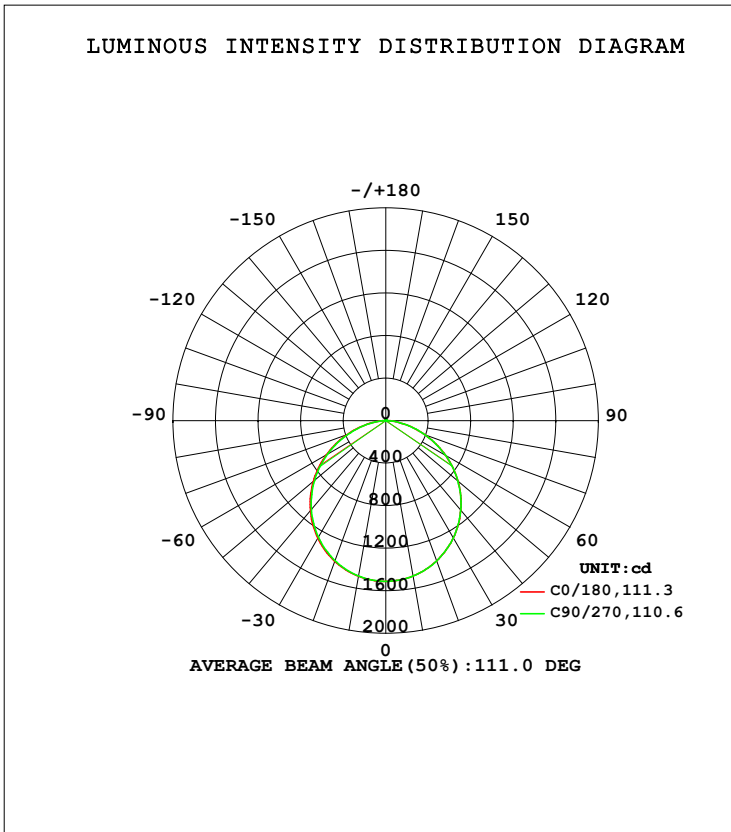


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.2894A P:34.48W PF:0.9894 Freq:59.98Hz Lamp Flux:4266.09x1 lm		
NAME: ASD-BLP-22D35SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.72 lm/W			
MODEL	ASD-BLP-22D35SM	I _{max} (cd)	1512	S/MH (C0/180)	1.26
NOMINAL POWER (W)	35	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	4266.1	<input type="checkbox"/> UP, DN (C0-180)	0.4, 49.8
NOMINAL FLUX (lm)	4266.09	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.5, 49.3
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	99.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-02-22

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 56%
 Test Distance: 6.500m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	1484	1484	1484	1485	1486	1484	1483	1482	0- 10	143.0	143.0	3.35,3.35
20	1403	1403	1403	1405	1407	1404	1400	1400	10- 20	409.2	552.1	12.9,12.9
30	1273	1273	1272	1276	1278	1273	1267	1268	20- 30	619.1	1171	27.5,27.5
40	1099	1099	1097	1101	1104	1096	1090	1092	30- 40	744.2	1915	44.9,44.9
50	888.1	888.1	885.9	889.8	890.6	882.1	875.4	879.8	40- 50	767.4	2683	62.9,62.9
60	648.5	648.9	646.3	648.4	647.6	638.5	632.7	638.7	50- 60	685.3	3368	79,79
70	395.1	395.9	393.1	393.6	390.2	381.6	377.4	384.2	60- 70	511.0	3879	90.9,90.9
80	158.3	160.5	157.8	156.8	151.0	144.7	142.2	149.0	70- 80	281.9	4161	97.5,97.5
90	2.151	2.149	2.119	2.137	2.156	2.146	2.162	2.158	80- 90	66.82	4228	99.1,99.1
100	3.186	3.148	3.119	3.123	3.205	3.184	3.208	3.201	90-100	2.874	4231	99.2,99.2
110	4.405	4.345	4.327	4.434	4.512	4.441	4.439	4.406	100-110	4.000	4235	99.3,99.3
120	5.677	5.628	5.623	5.706	5.850	5.651	5.734	5.688	110-120	5.000	4240	99.4,99.4
130	7.018	6.949	6.980	7.054	7.204	7.041	7.069	7.049	120-130	5.699	4245	99.5,99.5
140	8.347	8.281	8.321	8.343	8.589	8.521	8.531	8.460	130-140	5.975	4251	99.7,99.7
150	9.571	9.521	9.552	9.562	9.825	9.749	9.805	9.701	140-150	5.672	4257	99.8,99.8
160	10.75	10.69	10.71	10.71	10.91	10.82	10.91	10.81	150-160	4.722	4262	99.9,99.9
170	11.61	11.53	11.59	11.54	11.70	11.59	11.70	11.59	160-170	3.172	4265	100,100
180	11.96	11.90	11.96	11.90	11.98	11.90	11.97	11.90	170-180	1.123	4266	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2303 lm

%lum = 54.0%

%lamp = 54.0%

Conical surface Flux(120deg): 3368.2 lm

%lum = 79.0%

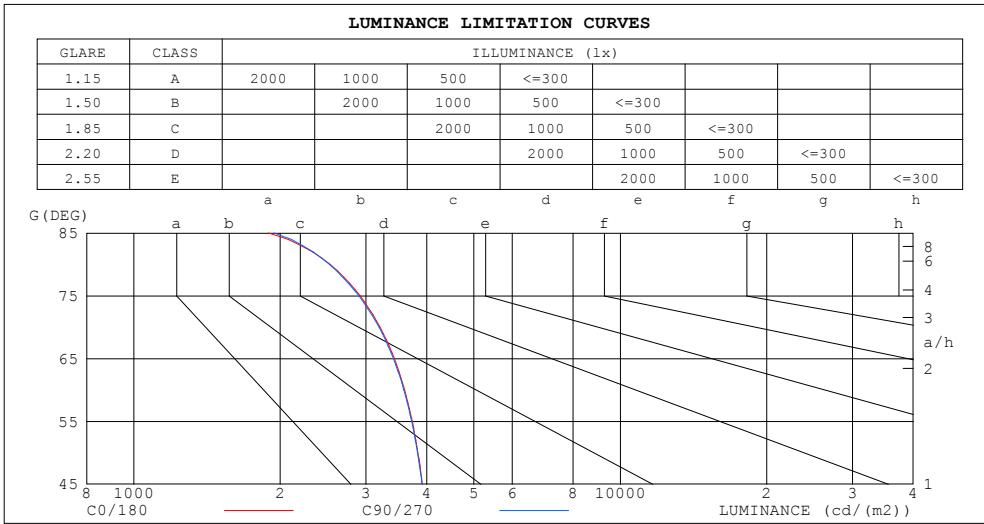
%lamp = 79.0%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-02-22

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.4V I:0.2894A P:34.48W PF:0.9894 Freq:59.98Hz Lamp Flux:4266.09x1 lm		
NAME: ASD-BLP-22D35SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1892	1942
80	2532	2524
75	2918	2901
70	3209	3192
65	3432	3418
60	3603	3591
55	3736	3725
50	3838	3829
45	3920	3912

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-02-22

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.4V I:0.2894A P:34.48W PF:0.9894 Freq:59.98Hz Lamp Flux:4266.09x1 lm		
NAME: ASD-BLP-22D35SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients (WEC)			
0.0						
1.0	.304 .173 .055	.296 .169 .054	.283 .162 .052	.270 .156 .050	.258 .150 .048	
2.0	.287 .158 .048	.281 .155 .048	.269 .150 .046	.258 .145 .045	.247 .140 .044	
3.0	.267 .142 .043	.261 .140 .042	.250 .136 .041	.240 .132 .040	.231 .128 .040	
4.0	.247 .128 .038	.242 .126 .037	.232 .123 .037	.223 .120 .036	.215 .117 .036	
5.0	.228 .116 .034	.224 .115 .033	.215 .112 .033	.208 .109 .033	.200 .107 .032	
6.0	.212 .106 .030	.208 .105 .030	.200 .103 .030	.193 .100 .030	.187 .098 .029	
7.0	.198 .098 .028	.194 .097 .028	.187 .095 .027	.181 .093 .027	.175 .091 .027	
8.0	.185 .090 .025	.181 .089 .025	.175 .088 .025	.170 .086 .025	.164 .084 .025	
9.0	.173 .084 .023	.170 .083 .023	.165 .081 .023	.160 .080 .023	.155 .079 .023	
10.0	.163 .078 .022	.160 .077 .022	.155 .076 .021	.151 .075 .021	.146 .074 .021	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Ceiling Cavity Exitance Coefficients (CCEC)			
0.0	.197 .197 .197	.169 .169 .169	.115 .115 .115	.066 .066 .066	.021 .021 .021	
1.0	.187 .163 .142	.160 .140 .122	.109 .096 .084	.063 .056 .049	.020 .018 .016	
2.0	.179 .139 .105	.153 .120 .091	.105 .083 .064	.060 .048 .037	.019 .016 .012	
3.0	.171 .121 .082	.146 .105 .071	.101 .073 .050	.058 .042 .029	.019 .014 .010	
4.0	.163 .108 .066	.140 .093 .057	.096 .065 .040	.056 .038 .024	.018 .012 .008	
5.0	.156 .098 .054	.134 .084 .047	.092 .059 .033	.053 .035 .020	.017 .011 .007	
6.0	.149 .089 .046	.128 .077 .040	.088 .054 .029	.051 .032 .017	.017 .010 .006	
7.0	.142 .082 .040	.122 .071 .035	.084 .050 .025	.049 .029 .015	.016 .010 .005	
8.0	.136 .076 .036	.117 .066 .031	.081 .047 .022	.047 .027 .013	.015 .009 .004	
9.0	.130 .072 .032	.112 .062 .028	.077 .044 .020	.045 .026 .012	.015 .008 .004	
10.0	.124 .067 .030	.107 .058 .026	.074 .041 .018	.043 .024 .011	.014 .008 .004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-02-22

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.4V I:0.2894A P:34.48W PF:0.9894 Freq:59.98Hz Lamp Flux:4266.09x1 lm										
NAME: ASD-BLP-22D35SM					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp.					SUR.:0.6*0.6			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	17.4	18.9	17.7	19.1	19.4	17.4	18.9	17.7	19.1	19.3
3H	18.9	20.3	19.2	20.5	20.8	18.9	20.2	19.2	20.5	20.7
4H	19.4	20.7	19.8	21.0	21.3	19.4	20.7	19.7	21.0	21.3
6H	19.8	21.1	20.2	21.3	21.6	19.8	21.0	20.1	21.3	21.6
8H	19.9	21.1	20.3	21.4	21.7	19.9	21.1	20.3	21.4	21.7
12H	20.0	21.1	20.3	21.4	21.8	20.0	21.1	20.3	21.4	21.7
4H 2H	18.0	19.3	18.3	19.6	19.9	18.0	19.3	18.3	19.6	19.9
3H	19.6	20.8	20.0	21.1	21.4	19.6	20.8	20.0	21.1	21.4
4H	20.3	21.4	20.7	21.7	22.1	20.3	21.4	20.7	21.7	22.0
6H	20.8	21.8	21.2	22.1	22.5	20.8	21.7	21.2	22.1	22.5
8H	21.0	21.8	21.4	22.2	22.6	21.0	21.8	21.4	22.2	22.6
12H	21.1	21.9	21.5	22.3	22.7	21.1	21.8	21.5	22.2	22.7
8H 4H	20.6	21.4	21.0	21.8	22.2	20.6	21.4	21.0	21.8	22.2
6H	21.2	21.9	21.7	22.3	22.8	21.2	21.9	21.6	22.3	22.8
8H	21.4	22.1	21.9	22.5	23.0	21.4	22.1	21.9	22.5	23.0
12H	21.6	22.1	22.1	22.6	23.1	21.6	22.1	22.1	22.6	23.1
12H 4H	20.6	21.4	21.0	21.8	22.2	20.6	21.4	21.0	21.8	22.2
6H	21.3	21.9	21.7	22.3	22.8	21.2	21.9	21.7	22.3	22.8
8H	21.5	22.1	22.0	22.5	23.0	21.5	22.1	22.0	22.5	23.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 4266 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.0)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-02-22

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.4V I:0.2894A P:34.48W PF:0.9894 Freq:59.98Hz Lamp Flux:4266.09x1 lm		
NAME: ASD-BLP-22D35SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:

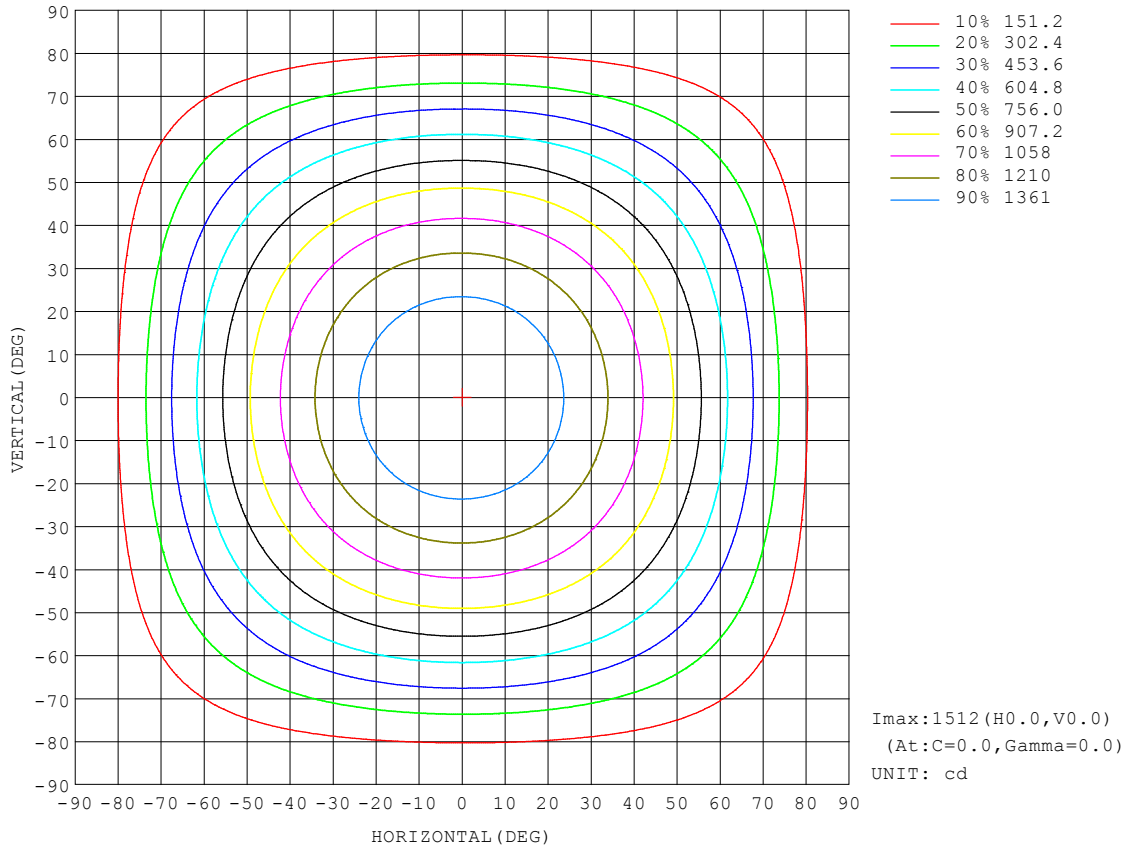
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	86	77	71	83	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	99	95	92	83
5.00	109	104	100	106	102	98	101	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-02-22

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.4V I:0.2894A P:34.48W PF:0.9894 Freq:59.98Hz Lamp Flux:4266.09x1 lm		
NAME: ASD-BLP-22D35SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:

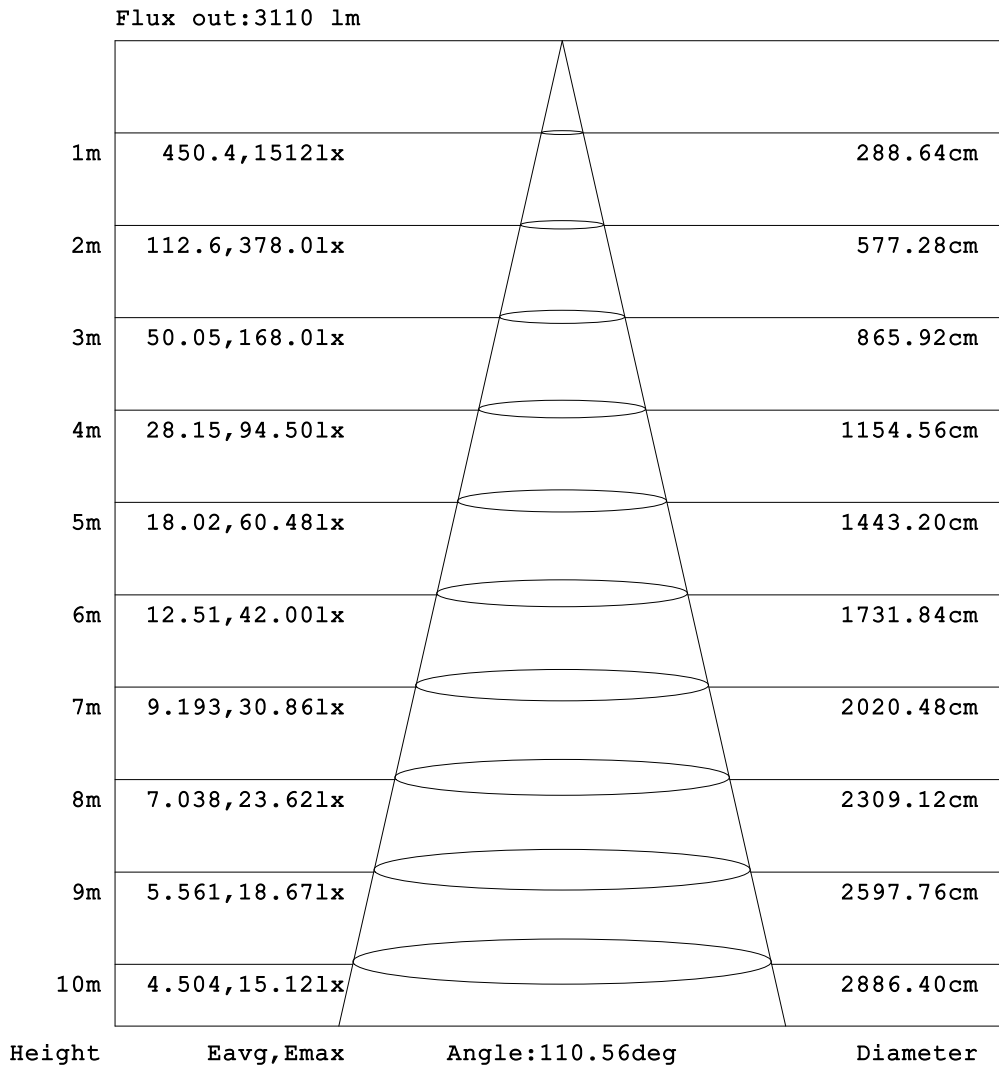


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-02-22

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.4V I:0.2894A P:34.48W PF:0.9894 Freq:59.98Hz Lamp Flux:4266.09x1 lm		
NAME: ASD-BLP-22D35SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:

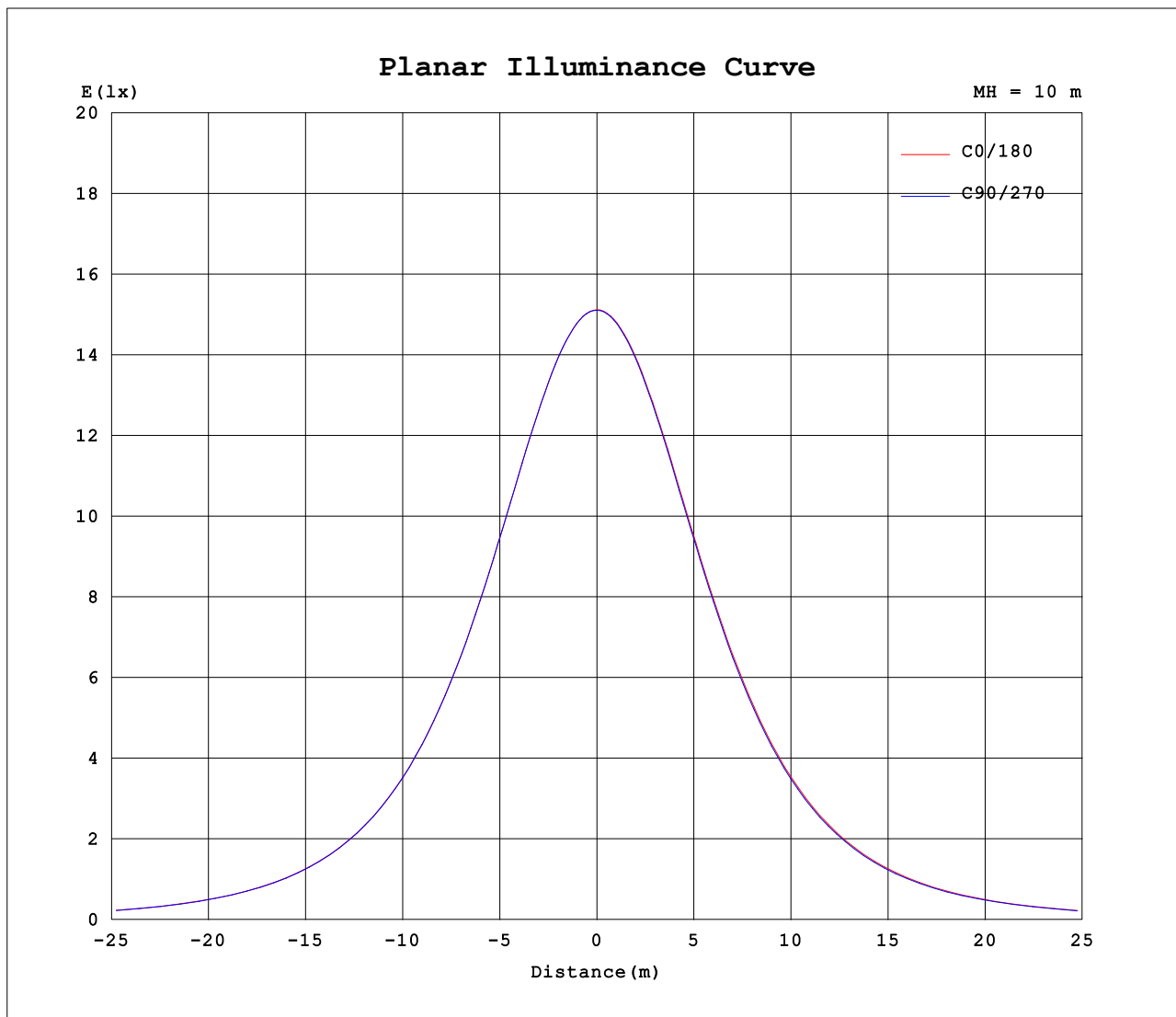


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-02-22

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2024-02-22

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity: 56%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.4V I:0.2894A P:34.48W PF:0.9894 Freq:59.98Hz Lamp Flux:4266.09x1 lm		
NAME: ASD-BLP-22D35SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	1512	1511	1511	1511	1512	1511	1511	1511										
5	1504	1504	1504	1505	1506	1505	1504	1503										
10	1484	1484	1484	1485	1486	1484	1483	1482										
15	1450	1450	1450	1452	1453	1451	1448	1448										
20	1403	1403	1403	1405	1407	1404	1400	1400										
25	1344	1344	1343	1347	1349	1344	1340	1340										
30	1273	1273	1272	1276	1278	1273	1267	1268										
35	1191	1191	1190	1194	1196	1190	1184	1185										
40	1099	1099	1097	1101	1104	1096	1090	1092										
45	998	998	996	1000	1001	993	987	990										
50	888	888	886	890	891	882	875	880										
55	771	771	769	772	772	763	757	762										
60	648	649	646	648	648	639	633	639										
65	522	523	520	522	519	510	505	512										
70	395	396	393	394	390	382	377	384										
75	272	273	270	270	266	258	255	262										
80	158	161	158	157	151	145	142	149										
85	59.4	62.5	60.9	58.1	52.1	47.9	48.1	52.5										
90	2.15	2.15	2.12	2.14	2.16	2.15	2.16	2.16										
95	2.63	2.61	2.57	2.59	2.65	2.63	2.65	2.65										
100	3.19	3.15	3.12	3.12	3.21	3.18	3.21	3.20										
105	3.79	3.73	3.71	3.80	3.81	3.80	3.82	3.79										
110	4.41	4.35	4.33	4.43	4.51	4.44	4.44	4.41										
115	5.02	4.98	4.96	5.05	5.19	5.01	5.07	5.04										
120	5.68	5.63	5.62	5.71	5.85	5.65	5.73	5.69										
125	6.36	6.29	6.31	6.38	6.52	6.32	6.39	6.36										
130	7.02	6.95	6.98	7.05	7.20	7.04	7.07	7.05										
135	7.69	7.61	7.66	7.71	7.90	7.79	7.79	7.76										
140	8.35	8.28	8.32	8.34	8.59	8.52	8.53	8.46										
145	8.97	8.91	8.95	8.97	9.23	9.16	9.20	9.10										
150	9.57	9.52	9.55	9.56	9.82	9.75	9.81	9.70										
155	10.2	10.1	10.1	10.2	10.4	10.3	10.4	10.3										
160	10.7	10.7	10.7	10.7	10.9	10.8	10.9	10.8										
165	11.2	11.2	11.2	11.2	11.4	11.3	11.4	11.3										
170	11.6	11.5	11.6	11.5	11.7	11.6	11.7	11.6										
175	11.8	11.8	11.8	11.8	11.9	11.8	11.9	11.8										
180	12.0	11.9	12.0	11.9	12.0	11.9	12.0	11.9										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-02-22

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks: