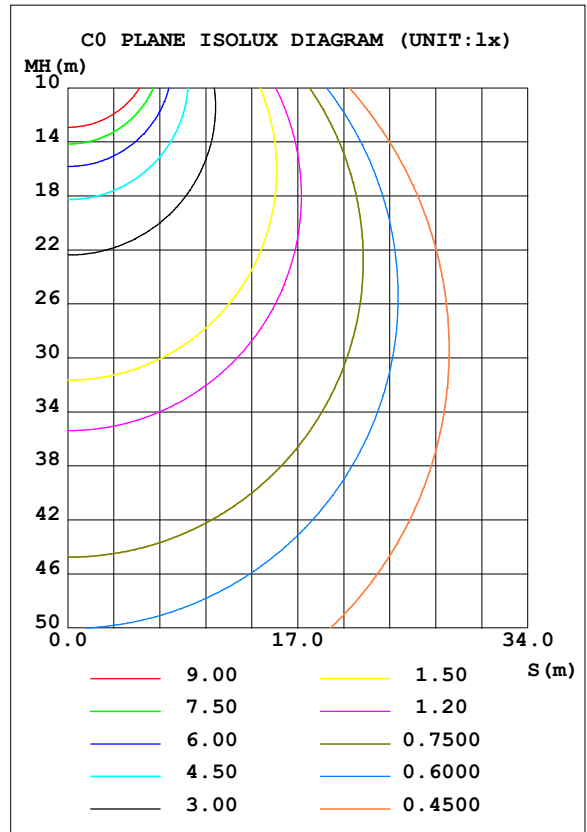
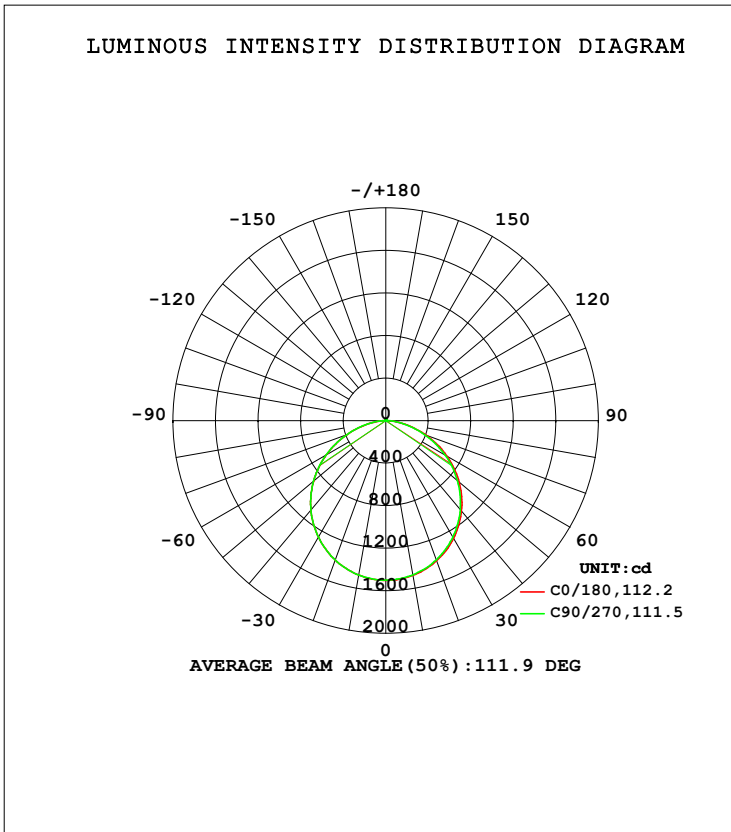


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.2804A P:33.39W PF:0.9886 Freq:59.98Hz Lamp Flux:4282.09x1 lm		
NAME: ASD-BLP-22D35SM-RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.25 lm/W			
MODEL	ASD-BLP-22D35SM-RGBW	I _{max} (cd)	1502	S/MH (C0/180)	1.25
NOMINAL POWER (W)	35W	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	4282.1	<input type="checkbox"/> UP, DN (C0-180)	0.4, 49.7
NOMINAL FLUX (lm)	4282.09	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.5, 49.4
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: 2024-04-29

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	1478	1475	1472	1472	1474	1473	1474	1473	0- 10	142.0	142.0	3.32,3.32
20	1402	1398	1392	1394	1395	1394	1395	1395	10- 20	406.7	548.6	12.8,12.8
30	1277	1271	1263	1267	1267	1266	1267	1268	20- 30	616.5	1165	27.2,27.2
40	1109	1101	1091	1096	1096	1095	1096	1097	30- 40	743.0	1908	44.6,44.6
50	901.2	892.9	881.0	887.6	886.7	885.4	887.3	888.2	40- 50	769.0	2677	62.5,62.5
60	663.2	654.4	642.5	649.2	647.1	646.8	649.3	650.0	50- 60	690.1	3367	78.6,78.6
70	407.6	400.8	389.7	396.4	390.3	392.9	396.5	396.2	60- 70	518.2	3885	90.7,90.7
80	164.0	160.8	154.7	157.7	150.3	153.6	159.0	156.3	70- 80	288.4	4174	97.5,97.5
90	2.184	2.307	2.226	2.203	2.154	2.170	2.127	2.142	80- 90	69.68	4244	99.1,99.1
100	3.143	3.173	3.205	3.187	3.266	3.209	3.192	3.176	90-100	2.887	4246	99.2,99.2
110	4.427	4.428	4.508	4.445	4.556	4.476	4.467	4.438	100-110	4.039	4250	99.3,99.3
120	5.761	5.713	5.854	5.753	5.897	5.765	5.818	5.723	110-120	5.079	4256	99.4,99.4
130	6.932	6.922	7.013	6.970	7.330	7.224	7.237	7.185	120-130	5.775	4261	99.5,99.5
140	8.218	8.208	8.274	8.226	8.733	8.641	8.657	8.596	130-140	6.006	4267	99.7,99.7
150	9.357	9.349	9.411	9.364	9.991	9.883	9.932	9.856	140-150	5.676	4273	99.8,99.8
160	10.87	10.88	10.91	10.85	11.04	10.91	11.00	10.90	150-160	4.740	4278	99.9,99.9
170	11.84	11.81	11.85	11.79	11.85	11.70	11.80	11.68	160-170	3.213	4281	100,100
180	12.30	12.25	12.29	12.22	12.33	12.24	12.29	12.21	170-180	1.147	4282	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2296 lm

%lum = 53.6%

%lamp = 53.6%

Conical surface Flux(120deg): 3367.2 lm

%lum = 78.6%

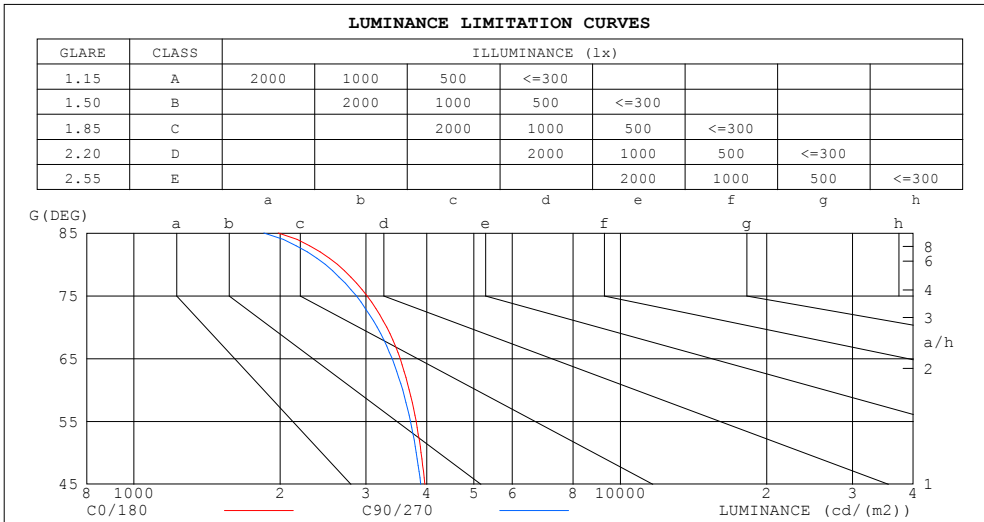
%lamp = 78.6%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-04-29

□ 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:0.2804A P:33.39W PF:0.9886 Freq:59.98Hz Lamp Flux:4282.09x1 lm		
NAME: ASD-BLP-22D35SM-RGBW	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	1981	1851
80	2623	2474
75	3016	2866
70	3311	3165
65	3528	3396
60	3684	3569
55	3804	3705
50	3895	3807
45	3965	3890

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-04-29

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:0.2804A P:33.39W PF:0.9886 Freq:59.98Hz Lamp Flux:4282.09x1 lm		
NAME: ASD-BLP-22D35SM-RGBW	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	.306 .174 .055	.298 .170 .054	.284 .163 .052	.272 .157 .050	.260 .151 .049	
2.0	.289 .158 .049	.282 .156 .048	.270 .150 .047	.259 .145 .045	.249 .141 .044	
3.0	.268 .143 .043	.262 .140 .042	.251 .136 .041	.241 .132 .041	.232 .129 .040	
4.0	.248 .129 .038	.243 .127 .038	.233 .124 .037	.224 .120 .036	.216 .117 .036	
5.0	.229 .117 .034	.225 .115 .034	.216 .113 .033	.208 .110 .033	.201 .107 .032	
6.0	.213 .107 .031	.209 .105 .030	.201 .103 .030	.194 .101 .030	.187 .099 .029	
7.0	.198 .098 .028	.194 .097 .028	.188 .095 .027	.181 .093 .027	.175 .091 .027	
8.0	.185 .090 .025	.182 .090 .025	.176 .088 .025	.170 .086 .025	.165 .084 .025	
9.0	.173 .084 .023	.171 .083 .023	.165 .082 .023	.160 .080 .023	.155 .079 .023	
10.0	.163 .078 .022	.161 .078 .022	.156 .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	.061 .048 .037	.019 .016 .012	
3.0	.171 .121 .082	.147 .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	.085 .050 .025	.049 .029 .015	.016 .010 .005	
8.0	.136 .077 .036	.117 .066 .031	.081 .047 .022	.047 .028 .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:2024-04-29

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:0.2804A P:33.39W PF:0.9886 Freq:59.98Hz Lamp Flux:4282.09x1 lm										
NAME: ASD-BLP-22D35SM-RGBW					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	17.5	19.0	17.8	19.2	19.4	17.4	18.9	17.7	19.1	19.3
3H	19.0	20.4	19.3	20.6	20.9	18.8	20.2	19.1	20.5	20.7
4H	19.6	20.9	19.9	21.1	21.4	19.4	20.7	19.7	21.0	21.2
6H	19.9	21.2	20.3	21.5	21.8	19.7	21.0	20.1	21.3	21.6
8H	20.1	21.3	20.4	21.6	21.9	19.9	21.1	20.2	21.4	21.7
12H	20.1	21.3	20.5	21.6	21.9	19.9	21.0	20.3	21.4	21.7
4H 2H	18.1	19.4	18.4	19.7	19.9	18.0	19.3	18.3	19.6	19.9
3H	19.7	20.9	20.1	21.2	21.5	19.6	20.8	20.0	21.1	21.4
4H	20.4	21.5	20.8	21.8	22.2	20.3	21.3	20.7	21.7	22.0
6H	20.9	21.9	21.4	22.3	22.6	20.8	21.7	21.2	22.1	22.5
8H	21.1	22.0	21.5	22.4	22.8	20.9	21.8	21.4	22.2	22.6
12H	21.2	22.0	21.6	22.4	22.8	21.0	21.8	21.4	22.2	22.6
8H 4H	20.7	21.5	21.1	21.9	22.3	20.5	21.4	21.0	21.8	22.2
6H	21.3	22.0	21.8	22.5	22.9	21.2	21.9	21.6	22.3	22.8
8H	21.6	22.2	22.0	22.6	23.1	21.4	22.0	21.9	22.5	22.9
12H	21.7	22.3	22.2	22.7	23.2	21.5	22.1	22.0	22.5	23.0
12H 4H	20.7	21.5	21.1	21.9	22.3	20.6	21.3	21.0	21.8	22.2
6H	21.4	22.0	21.8	22.4	22.9	21.2	21.9	21.7	22.3	22.8
8H	21.6	22.2	22.1	22.6	23.1	21.5	22.0	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, 4282 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.1)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-04-29

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:0.2804A P:33.39W PF:0.9886 Freq:59.98Hz Lamp Flux:4282.09x1 lm		
NAME: ASD-BLP-22D35SM-RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:

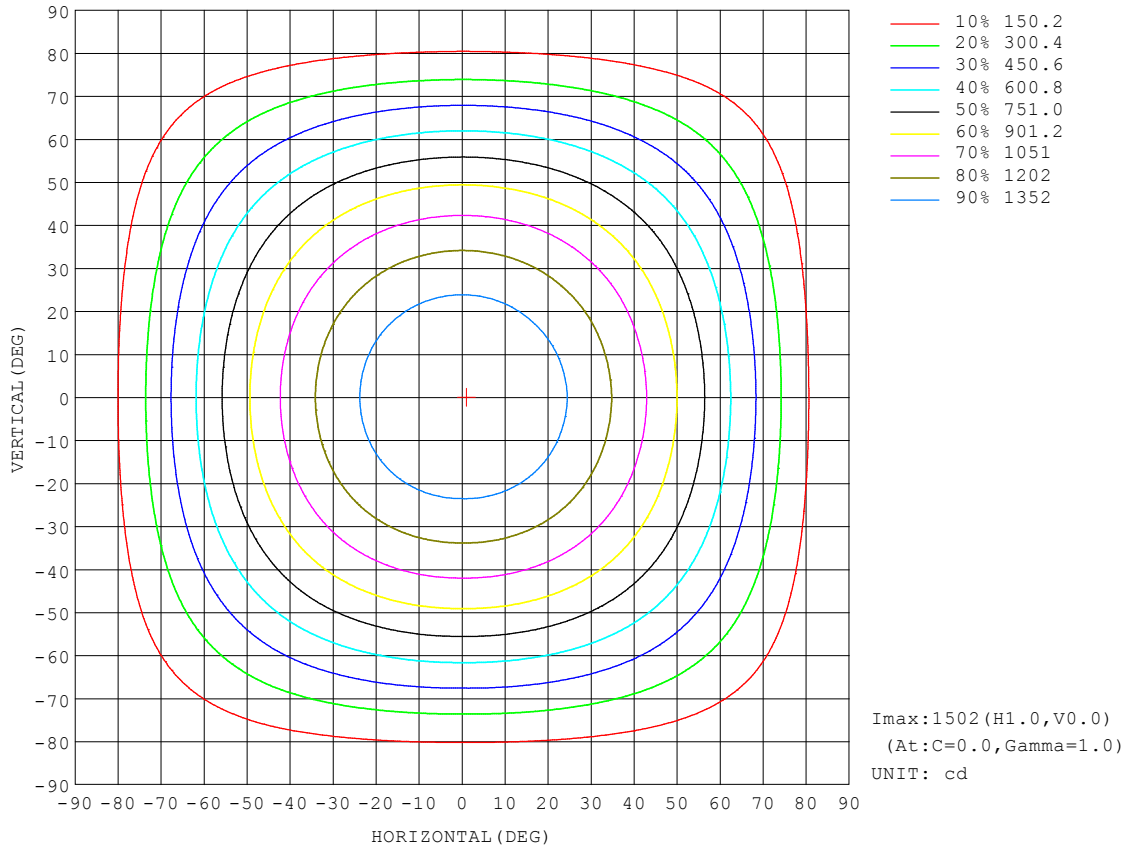
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	46	39	55	45	39	32
0.80	67	56	49	66	55	48	65	55	48	41
1.00	76	65	58	75	64	57	72	66	57	49
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	80	93	85	79	89	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	86	78
4.00	106	101	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	101	98	95	85
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:2024-04-29

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:0.2804A P:33.39W PF:0.9886 Freq:59.98Hz Lamp Flux:4282.09x1 lm		
NAME: ASD-BLP-22D35SM-RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:

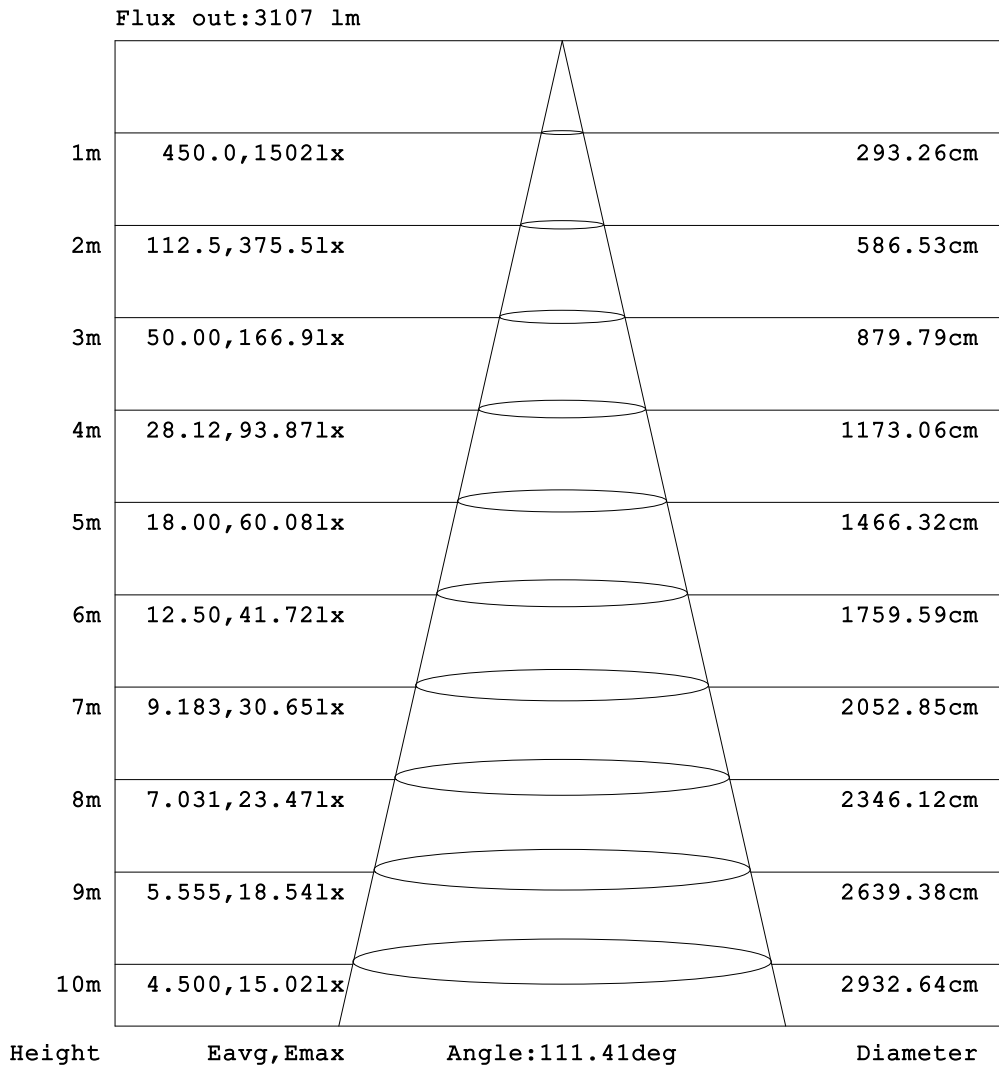


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-04-29

□ 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:0.2804A P:33.39W PF:0.9886 Freq:59.98Hz Lamp Flux:4282.09x1 lm		
NAME: ASD-BLP-22D35SM-RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.6*0.6	Shielding Angle:

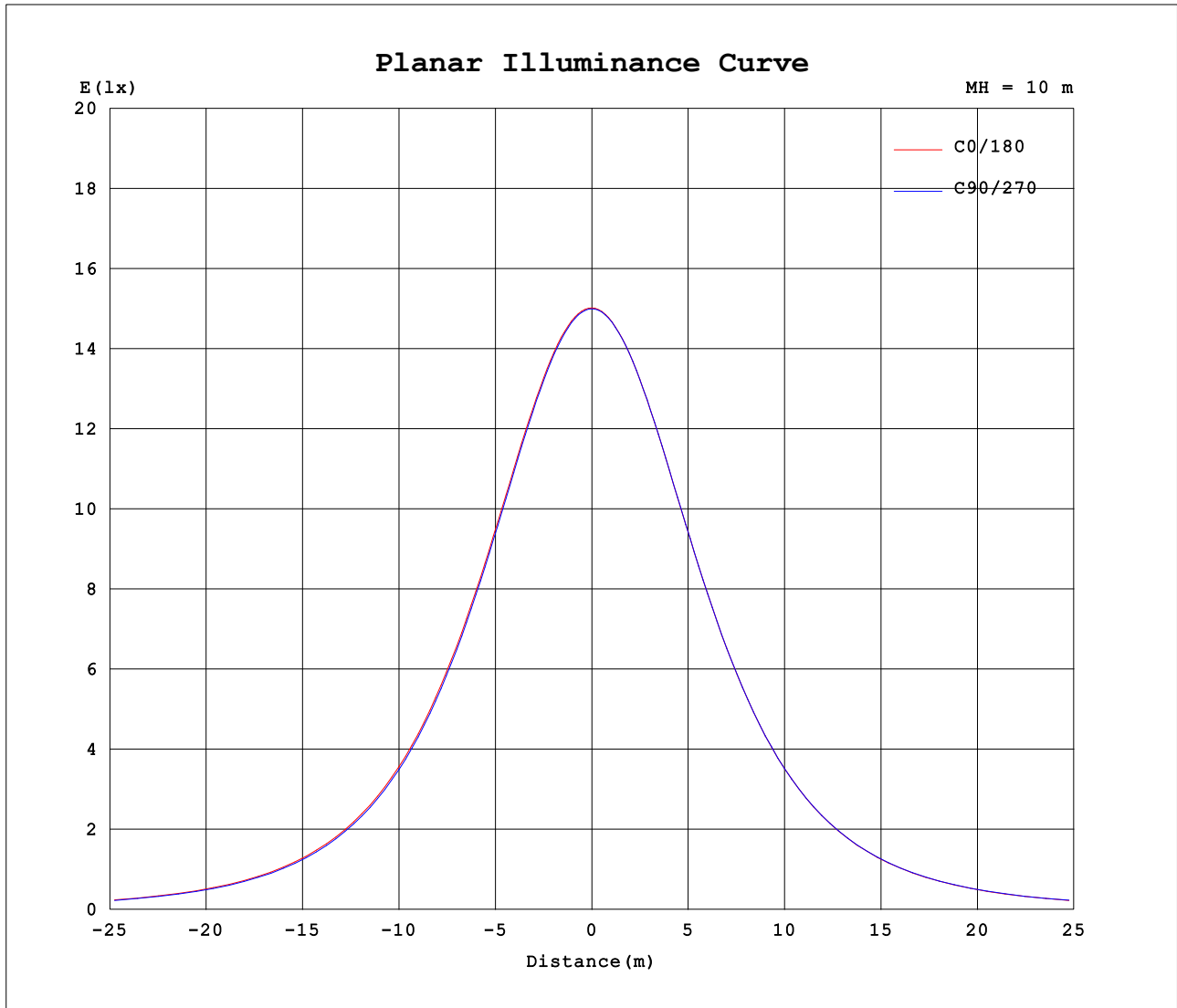


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-04-29

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: 2024-04-29

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:0.2804A P:33.39W PF:0.9886 Freq:59.98Hz Lamp Flux:4282.09x1 lm		
NAME: ASD-BLP-22D35SM-RGBW	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	1502	1501	1500	1499	1502	1501	1500	1499										
5	1496	1495	1493	1492	1495	1494	1493	1493										
10	1478	1475	1472	1472	1474	1473	1474	1473										
15	1446	1443	1439	1440	1441	1440	1441	1440										
20	1402	1398	1392	1394	1395	1394	1395	1395										
25	1345	1340	1333	1336	1337	1336	1337	1337										
30	1277	1271	1263	1267	1267	1266	1267	1268										
35	1198	1191	1182	1187	1187	1185	1187	1187										
40	1109	1101	1091	1096	1096	1095	1096	1097										
45	1009	1001	990	996	996	994	996	997										
50	901	893	881	888	887	885	887	888										
55	786	777	765	772	770	769	771	772										
60	663	654	642	649	647	647	649	650										
65	537	528	517	523	520	520	524	524										
70	408	401	390	396	390	393	396	396										
75	281	276	267	272	265	269	273	272										
80	164	161	155	158	150	154	159	156										
85	62.2	60.7	58.1	58.6	51.9	54.3	60.3	56.1										
90	2.18	2.31	2.23	2.20	2.15	2.17	2.13	2.14										
95	2.60	2.64	2.65	2.66	2.67	2.63	2.60	2.60										
100	3.14	3.17	3.21	3.19	3.27	3.21	3.19	3.18										
105	3.77	3.78	3.85	3.79	3.90	3.83	3.82	3.80										
110	4.43	4.43	4.51	4.45	4.56	4.48	4.47	4.44										
115	5.10	5.08	5.18	5.11	5.21	5.12	5.13	5.07										
120	5.76	5.71	5.85	5.75	5.90	5.77	5.82	5.72										
125	6.37	6.33	6.48	6.37	6.60	6.49	6.53	6.46										
130	6.93	6.92	7.01	6.97	7.33	7.22	7.24	7.18										
135	7.57	7.56	7.64	7.60	8.04	7.95	7.96	7.91										
140	8.22	8.21	8.27	8.23	8.73	8.64	8.66	8.60										
145	8.81	8.81	8.87	8.81	9.38	9.28	9.32	9.25										
150	9.36	9.35	9.41	9.36	9.99	9.88	9.93	9.86										
155	10.1	10.1	10.1	10.1	10.5	10.4	10.5	10.4										
160	10.9	10.9	10.9	10.8	11.0	10.9	11.0	10.9										
165	11.4	11.4	11.4	11.4	11.5	11.3	11.4	11.3										
170	11.8	11.8	11.9	11.8	11.9	11.7	11.8	11.7										
175	12.2	12.2	12.2	12.1	12.2	12.1	12.1	12.0										
180	12.3	12.2	12.3	12.2	12.3	12.2	12.3	12.2										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-04-29

□ 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: