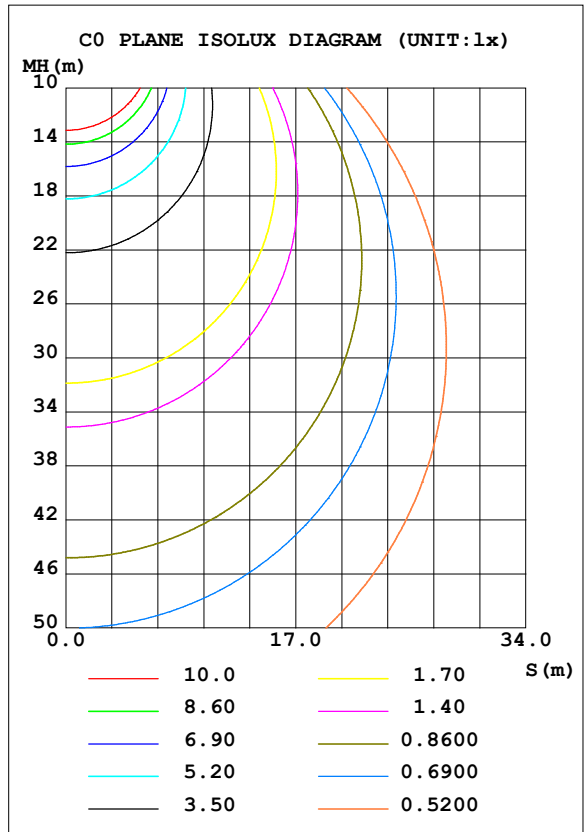
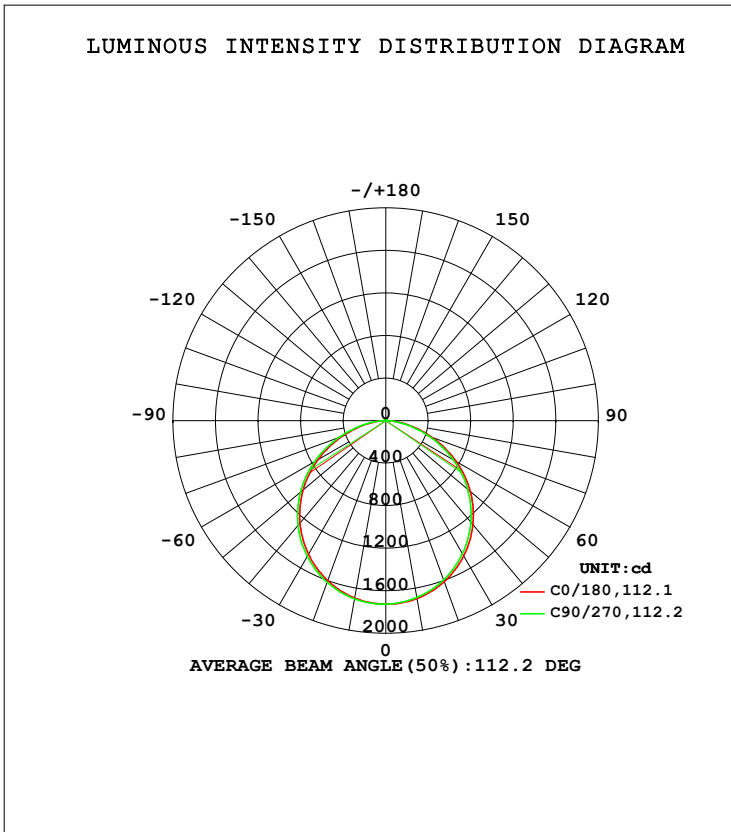


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.3243A P:38.42W PF:0.9831 Freq:59.98Hz Lamp Flux:4924.7lx1 lm		
NAME: ASD-BLP-24D40SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.17 lm/W			
MODEL	ASD Lighting Corp	I <sub>max</sub> (cd)	1726	S/MH(C0/180)	1.25
NOMINAL POWER(W)	40W	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4924.7	<input type="checkbox"/> UP, DN(C0-180)	0.4,49.3
NOMINAL FLUX(lm)	4924.71	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN(C180-360)	0.4,49.9
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	99.2	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2024-04-18

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	1698	1692	1688	1691	1693	1698	1701	1698	0- 10	163.2	163.2	3.31,3.31
20	1611	1600	1593	1598	1600	1611	1617	1611	10- 20	467.7	630.9	12.8,12.8
30	1468	1453	1443	1450	1453	1467	1476	1468	20- 30	709.2	1340	27.2,27.2
40	1275	1257	1246	1255	1256	1273	1284	1275	30- 40	855.7	2196	44.6,44.6
50	1038	1018	1006	1016	1015	1035	1047	1037	40- 50	887.2	3083	62.6,62.6
60	762.8	744.8	732.2	742.6	736.7	760.1	773.3	761.8	50- 60	797.7	3881	78.8,78.8
70	466.6	448.4	437.4	446.2	439.1	459.9	474.0	461.6	60- 70	597.4	4478	90.9,90.9
80	186.5	171.6	162.5	170.0	164.5	178.5	189.0	179.8	70- 80	327.2	4805	97.6,97.6
90	4.428	3.220	2.700	2.962	3.671	3.429	2.867	3.159	80- 90	78.26	4884	99.2,99.2
100	3.592	3.735	3.862	3.764	3.705	3.622	3.621	3.595	90-100	3.428	4887	99.2,99.2
110	4.865	4.962	5.119	5.029	4.920	4.819	4.859	4.819	100-110	4.550	4891	99.3,99.3
120	6.186	6.232	6.383	6.300	6.168	6.044	6.114	6.094	110-120	5.500	4897	99.4,99.4
130	7.432	7.579	7.732	7.580	7.506	7.353	7.476	7.475	120-130	6.136	4903	99.6,99.6
140	8.741	8.963	9.042	8.860	8.887	8.669	8.857	8.926	130-140	6.333	4909	99.7,99.7
150	9.947	10.19	10.16	10.01	10.12	9.851	10.11	10.23	140-150	5.944	4915	99.8,99.8
160	11.07	11.15	11.14	11.04	11.21	10.89	11.18	11.23	150-160	4.897	4920	99.9,99.9
170	11.89	11.86	11.97	11.83	11.95	11.66	11.98	11.90	160-170	3.259	4924	100,100
180	12.12	12.03	12.29	12.15	12.13	12.00	12.29	12.14	170-180	1.146	4925	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2643 lm

%lum = 53.7%

%lamp = 53.7%

Conical surface Flux(120deg): 3880.7 lm

%lum = 78.8%

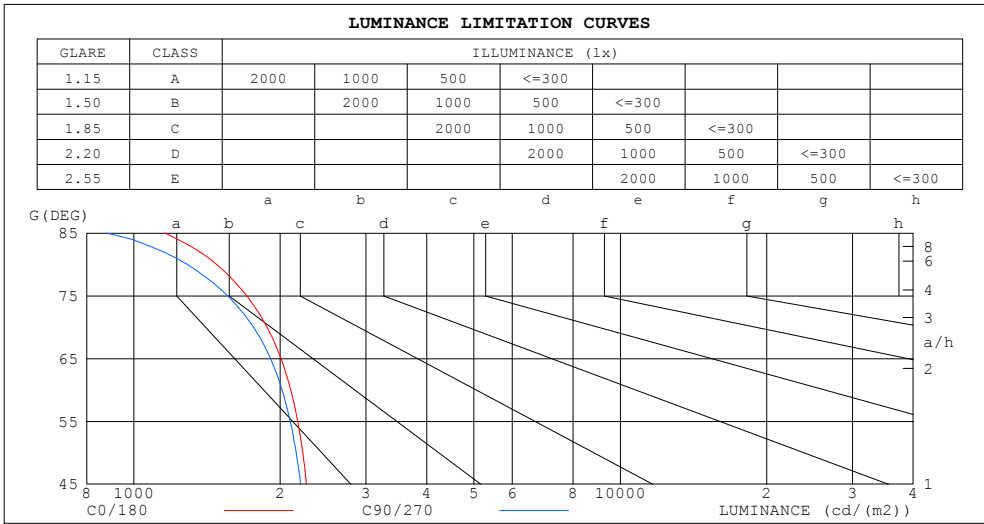
%lamp = 78.8%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-04-18

□ 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:120.5V I:0.3243A P:38.42W PF:0.9831 Freq:59.98Hz Lamp Flux:4924.71x1 lm		
NAME: ASD-BLP-24D40SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:1.21*0.6	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1159	879
80	1479	1289
75	1707	1560
70	1879	1762
65	2007	1911
60	2101	2017
55	2172	2097
50	2225	2156
45	2263	2203

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-04-18

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:120.5V I:0.3243A P:38.42W PF:0.9831 Freq:59.98Hz Lamp Flux:4924.71x1 lm		
NAME: ASD-BLP-24D40SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:1.21*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	.305 .173 .055	.298 .170 .054	.284 .163 .052	.271 .156 .050	.260 .150 .049	
2.0	.288 .158 .048	.282 .155 .048	.270 .150 .047	.259 .145 .045	.248 .140 .044	
3.0	.268 .142 .043	.262 .140 .042	.251 .136 .041	.241 .132 .041	.232 .129 .040	
4.0	.247 .129 .038	.242 .127 .037	.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 .085 .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	.168 .168 .168	.115 .115 .115	.066 .066 .066	.021 .021 .021	
1.0	.186 .163 .141	.159 .140 .122	.109 .096 .084	.063 .056 .049	.020 .018 .016	
2.0	.178 .138 .105	.153 .119 .091	.105 .082 .063	.060 .048 .037	.019 .016 .012	
3.0	.171 .121 .081	.146 .104 .070	.100 .072 .049	.058 .042 .029	.019 .014 .010	
4.0	.163 .107 .065	.140 .093 .057	.096 .065 .040	.056 .038 .024	.018 .012 .008	
5.0	.156 .097 .054	.134 .084 .047	.092 .059 .033	.053 .034 .020	.017 .011 .006	
6.0	.148 .089 .046	.128 .077 .040	.088 .054 .028	.051 .032 .017	.016 .010 .006	
7.0	.142 .082 .040	.122 .071 .035	.084 .050 .025	.049 .029 .015	.016 .010 .005	
8.0	.135 .076 .035	.116 .066 .031	.081 .046 .022	.047 .027 .013	.015 .009 .004	
9.0	.129 .071 .032	.111 .062 .028	.077 .043 .020	.045 .026 .012	.015 .008 .004	
10.0	.124 .067 .029	.107 .058 .025	.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:2024-04-18

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:120.5V I:0.3243A P:38.42W PF:0.9831 Freq:59.98Hz Lamp Flux:4924.71x1 lm		
NAME: ASD-BLP-24D40SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:1.21*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	15.5	17.0	15.8	17.2	17.5	15.4	16.9	15.7	17.1	17.3
3H	17.0	18.4	17.3	18.6	18.9	16.8	18.2	17.1	18.4	18.7
4H	17.6	18.9	17.9	19.1	19.4	17.3	18.6	17.6	18.9	19.2
6H	17.9	19.2	18.3	19.5	19.8	17.6	18.9	18.0	19.2	19.5
8H	18.0	19.2	18.4	19.5	19.9	17.7	18.9	18.1	19.2	19.5
12H	18.1	19.3	18.5	19.6	19.9	17.7	18.9	18.1	19.2	19.5
4H 2H	16.1	17.4	16.4	17.7	18.0	16.0	17.3	16.3	17.6	17.8
3H	17.7	18.9	18.1	19.2	19.5	17.6	18.7	17.9	19.0	19.3
4H	18.4	19.5	18.8	19.8	20.2	18.2	19.2	18.6	19.6	19.9
6H	18.9	19.8	19.3	20.2	20.6	18.6	19.6	19.0	19.9	20.3
8H	19.1	19.9	19.5	20.3	20.7	18.7	19.6	19.2	20.0	20.4
12H	19.2	20.0	19.6	20.4	20.8	18.8	19.6	19.2	20.0	20.4
8H 4H	18.6	19.5	19.1	19.9	20.3	18.4	19.3	18.9	19.7	20.1
6H	19.3	20.0	19.7	20.4	20.8	19.0	19.7	19.4	20.1	20.6
8H	19.5	20.1	20.0	20.6	21.0	19.2	19.8	19.7	20.3	20.7
12H	19.6	20.2	20.1	20.6	21.1	19.3	19.8	19.8	20.3	20.8
12H 4H	18.6	19.4	19.1	19.8	20.3	18.4	19.2	18.9	19.6	20.1
6H	19.3	19.9	19.8	20.4	20.8	19.0	19.7	19.5	20.1	20.6
8H	19.5	20.1	20.0	20.6	21.1	19.3	19.8	19.7	20.3	20.8
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, 4925 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.5)

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-04-18

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:120.5V I:0.3243A P:38.42W PF:0.9831 Freq:59.98Hz Lamp Flux:4924.71x1 lm		
NAME: ASD-BLP-24D40SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:1.21*0.6	Shielding Angle:

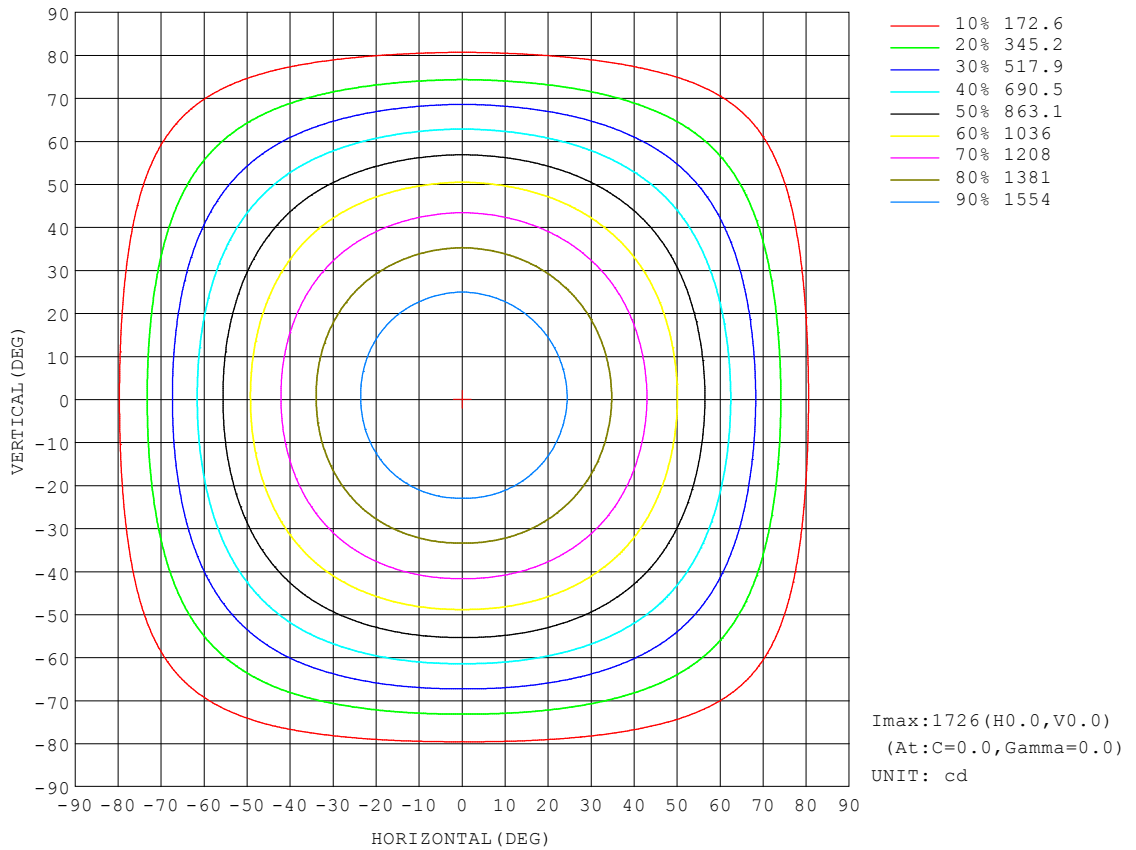
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	55	45	39	32
0.80	68	56	49	66	55	48	65	55	48	41
1.00	76	65	58	75	64	57	72	66	57	50
1.25	83	73	66	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	87	78
4.00	106	101	96	104	99	94	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:2024-04-18

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:120.5V I:0.3243A P:38.42W PF:0.9831 Freq:59.98Hz Lamp Flux:4924.71x1 lm		
NAME: ASD-BLP-24D40SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:1.21*0.6	Shielding Angle:

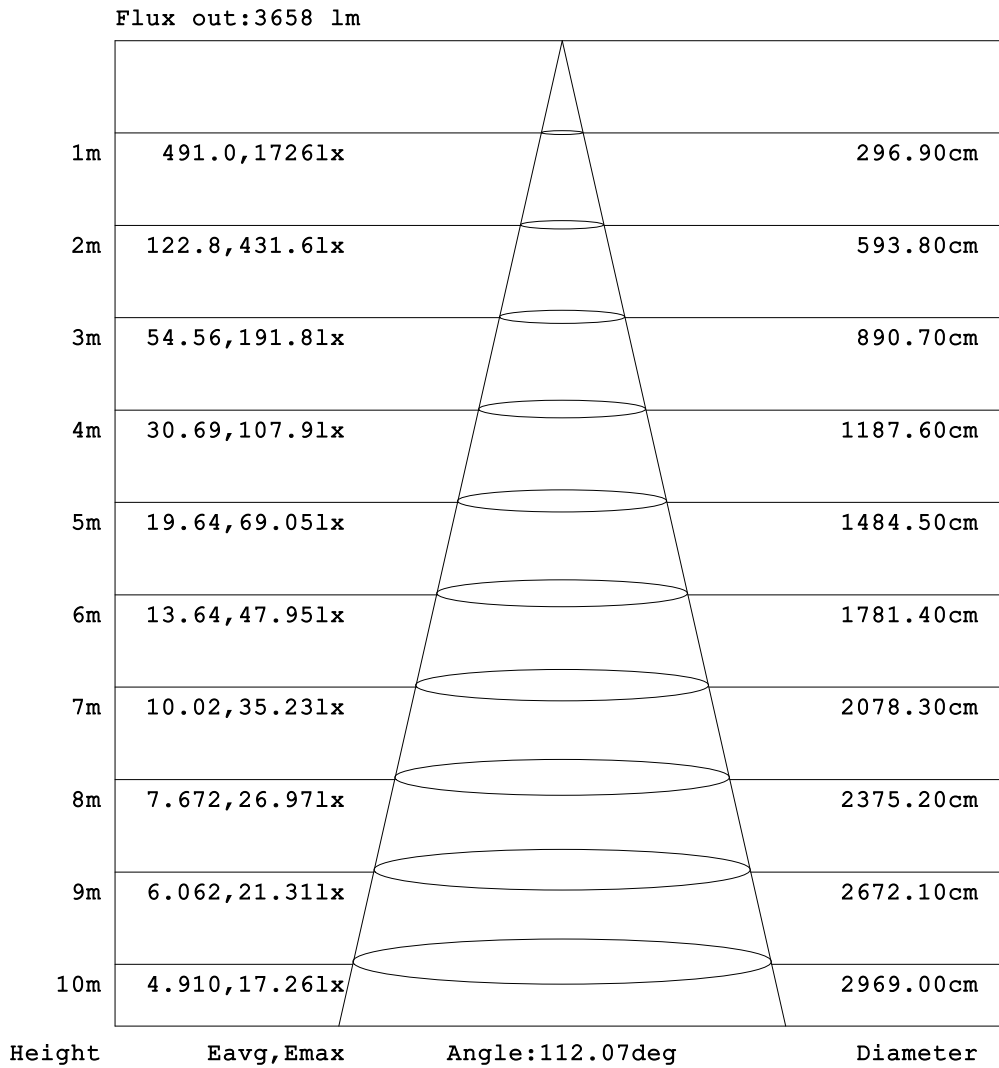


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-04-18

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:120.5V I:0.3243A P:38.42W PF:0.9831 Freq:59.98Hz Lamp Flux:4924.71x1 lm		
NAME: ASD-BLP-24D40SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:1.21*0.6	Shielding Angle:

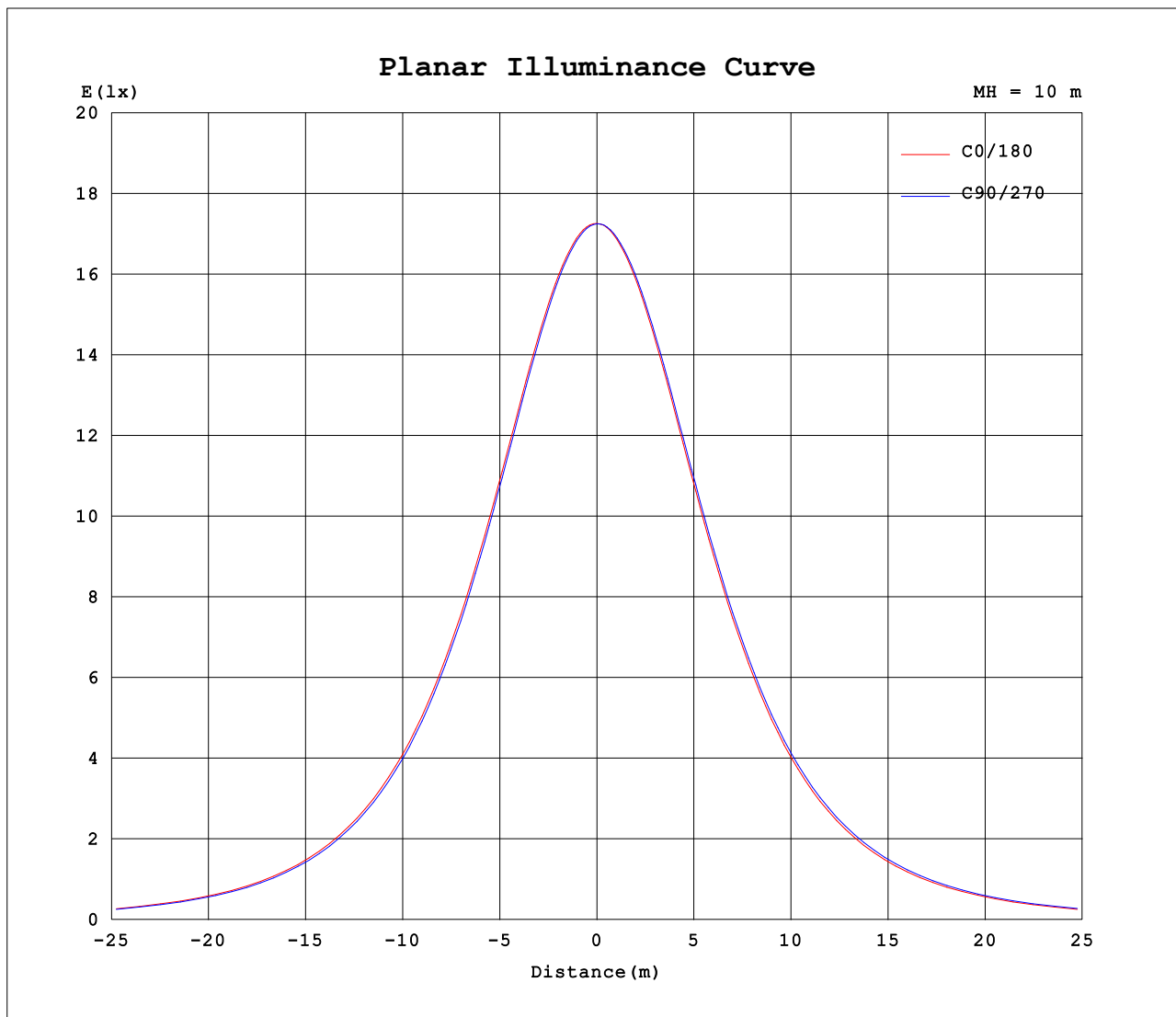


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-04-18

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: 2024-04-18

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:120.5V I:0.3243A P:38.42W PF:0.9831 Freq:59.98Hz Lamp Flux:4924.71x1 lm		
NAME: ASD-BLP-24D40SM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:1.21*0.6	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	1726	1726	1725	1725	1726	1726	1725	1725										
5	1720	1717	1714	1715	1717	1719	1721	1719										
10	1698	1692	1688	1691	1693	1698	1701	1698										
15	1662	1653	1648	1651	1654	1661	1666	1662										
20	1611	1600	1593	1598	1600	1611	1617	1611										
25	1546	1533	1524	1531	1533	1546	1553	1546										
30	1468	1453	1443	1450	1453	1467	1476	1468										
35	1377	1360	1350	1358	1360	1376	1386	1377										
40	1275	1257	1246	1255	1256	1273	1284	1275										
45	1162	1143	1131	1140	1140	1159	1171	1160										
50	1038	1018	1006	1016	1015	1035	1047	1037										
55	904	886	873	883	880	902	915	903										
60	763	745	732	743	737	760	773	762										
65	616	598	586	596	589	611	625	613										
70	467	448	437	446	439	460	474	462										
75	321	303	293	301	295	313	325	314										
80	187	172	162	170	165	179	189	180										
85	73.3	61.5	55.6	60.5	55.5	66.4	75.2	66.9										
90	4.43	3.22	2.70	2.96	3.67	3.43	2.87	3.16										
95	2.99	3.15	3.25	3.17	3.10	3.04	3.03	3.01										
100	3.59	3.73	3.86	3.76	3.70	3.62	3.62	3.60										
105	4.23	4.34	4.52	4.40	4.31	4.22	4.23	4.20										
110	4.86	4.96	5.12	5.03	4.92	4.82	4.86	4.82										
115	5.50	5.58	5.75	5.66	5.52	5.43	5.47	5.45										
120	6.19	6.23	6.38	6.30	6.17	6.04	6.11	6.09										
125	6.86	6.90	7.05	6.95	6.83	6.70	6.78	6.77										
130	7.43	7.58	7.73	7.58	7.51	7.35	7.48	7.47										
135	8.09	8.27	8.40	8.22	8.22	8.02	8.18	8.20										
140	8.74	8.96	9.04	8.86	8.89	8.67	8.86	8.93										
145	9.35	9.61	9.62	9.44	9.53	9.27	9.51	9.60										
150	9.95	10.2	10.2	10.0	10.1	9.85	10.1	10.2										
155	10.5	10.7	10.7	10.6	10.7	10.4	10.7	10.8										
160	11.1	11.1	11.1	11.0	11.2	10.9	11.2	11.2										
165	11.6	11.6	11.6	11.5	11.7	11.3	11.6	11.6										
170	11.9	11.9	12.0	11.8	12.0	11.7	12.0	11.9										
175	12.1	12.0	12.2	12.1	12.1	11.9	12.2	12.1										
180	12.1	12.0	12.3	12.1	12.1	12.0	12.3	12.1										

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-04-18

□ 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: