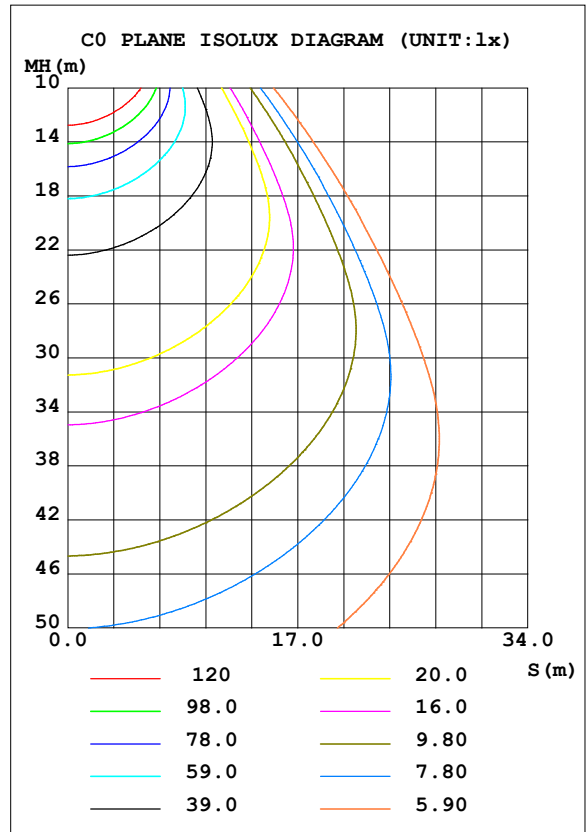
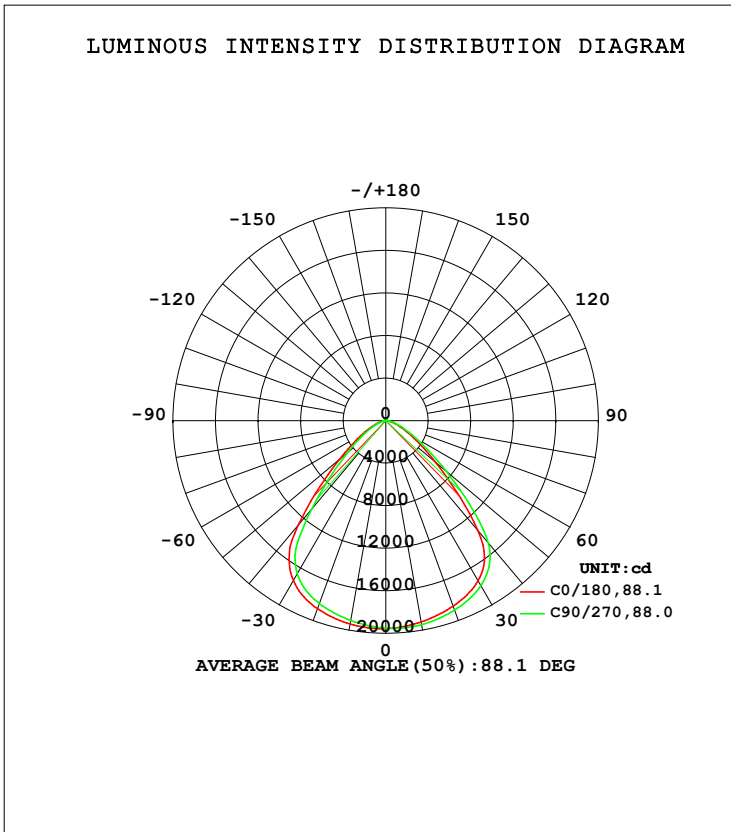


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.6V I:0.9924A P:271.6W PF:0.9858 Freq:59.98Hz Lamp Flux:39042.9x1 lm		
NAME: ASD-UHB3HV-300ADAC-BK-300W5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.29*0.29m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.76 lm/W			
MODEL		I _{max} (cd)	19571	S/MH (C0/180)	1.25
NOMINAL POWER (W)	300	LOR (%)	100.0	S/MH (C90/270)	1.19
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	39043	<input type="checkbox"/> UP, DN (C0-180)	0.5, 52.9
NOMINAL FLUX (lm)	39042.9	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.5, 46.1
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	<input type="checkbox"/> down (%)	99.0	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-05-04

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	1921	1933	1947	1950	1941	1923	1906	1903	0- 10	1852	1852	4.74,4.74
20	1855	1873	1895	1902	1881	1853	1829	1828	10- 20	5374	7226	18.5,18.5
30	1738	1765	1791	1790	1737	1697	1664	1676	20- 30	8352	15578	39.9,39.9
40	1351	1452	1499	1481	1280	1139	1085	1129	30- 40	9766	25344	64.9,64.9
50	617.9	700.4	747.2	722.2	571.3	514.4	473.1	499.8	40- 50	7119	32464	83.1,83.1
60	269.2	307.1	320.2	311.6	248.0	224.8	206.6	215.6	50- 60	3658	36122	92.5,92.5
70	112.1	128.0	133.3	128.8	100.5	89.34	82.11	86.35	60- 70	1731	37853	97,97
80	34.48	40.98	43.35	41.47	27.51	22.12	19.32	21.78	70- 80	687.8	38541	98.7,98.7
90	1.375	1.750	1.917	1.731	1.370	1.522	1.501	1.435	80- 90	130.7	38671	99,99
100	1.835	1.700	1.615	1.681	1.841	1.991	2.095	2.036	90-100	16.87	38688	99.1,99.1
110	3.241	3.011	2.886	2.971	3.262	3.468	3.632	3.531	100-110	26.45	38715	99.2,99.2
120	5.070	4.782	4.625	4.711	5.098	5.329	5.536	5.405	110-120	40.92	38756	99.3,99.3
130	7.119	6.781	6.611	6.678	7.180	7.373	7.642	7.455	120-130	54.36	38810	99.4,99.4
140	9.077	8.767	8.604	8.621	9.238	9.399	9.640	9.440	130-140	62.61	38873	99.6,99.6
150	10.84	10.58	10.38	10.38	11.10	11.25	11.46	11.25	140-150	62.65	38935	99.7,99.7
160	12.75	12.42	12.31	12.25	13.11	13.20	13.44	13.18	150-160	54.56	38990	99.9,99.9
170	14.65	14.33	14.33	14.24	14.89	14.88	15.12	14.83	160-170	38.82	39029	100,100
180	15.68	15.50	15.62	15.41	15.69	15.50	15.62	15.42	170-180	14.39	39043	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 29435 lm

%lum = 75.4%

%lamp = 75.4%

Conical surface Flux(120deg): 36122 lm

%lum = 92.5%

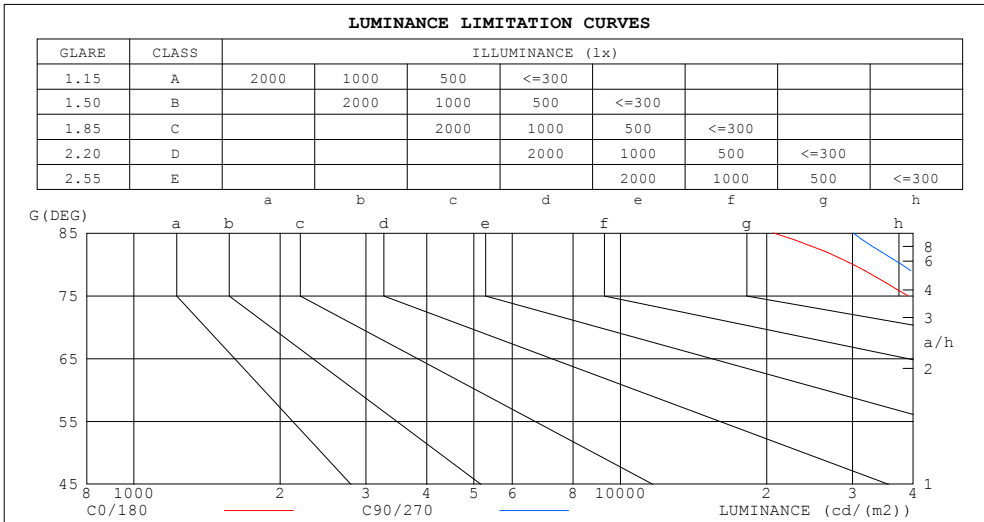
%lamp = 92.5%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-05-04

□ 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:277.6V I:0.9924A P:271.6W PF:0.9858 Freq:59.98Hz Lamp Flux:39042.9x1 lm		
NAME: ASD-UHB3HV-300ADAC-BK-300W5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.29*0.29m	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	20631	30096
80	30081	37825
75	39014	47566
70	49646	59066
65	62871	74695
60	81577	97027
55	107592	128499
50	145649	176118
45	200153	239435

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-05-04

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:277.6V I:0.9924A P:271.6W PF:0.9858 Freq:59.98Hz Lamp Flux:39042.9x1 lm		
NAME: ASD-UHB3HV-300ADAC-BK-300W5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.29*0.29m	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	.235 .134 .042	.228 .130 .041	.214 .123 .039	.202 .116 .037	.191 .110 .036	
2.0	.228 .125 .038	.222 .122 .038	.210 .117 .036	.199 .112 .035	.190 .107 .034	
3.0	.217 .115 .035	.212 .113 .034	.201 .109 .033	.192 .105 .032	.183 .101 .031	
4.0	.205 .107 .031	.200 .105 .031	.192 .102 .030	.183 .098 .030	.175 .095 .029	
5.0	.194 .099 .029	.190 .097 .028	.182 .095 .028	.174 .092 .027	.167 .089 .027	
6.0	.183 .092 .026	.179 .091 .026	.172 .088 .026	.166 .086 .025	.159 .084 .025	
7.0	.173 .086 .024	.170 .085 .024	.163 .083 .024	.157 .081 .023	.152 .079 .023	
8.0	.164 .080 .023	.161 .079 .022	.155 .078 .022	.150 .076 .022	.145 .074 .022	
9.0	.155 .075 .021	.153 .074 .021	.148 .073 .021	.143 .072 .020	.138 .070 .020	
10.0	.148 .071 .020	.145 .070 .020	.140 .069 .019	.136 .068 .019	.132 .066 .019	

<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	.198 .198 .198	.169 .169 .169	.115 .115 .115	.066 .066 .066	.021 .021 .021	
1.0	.182 .164 .148	.156 .141 .127	.107 .097 .088	.061 .056 .051	.020 .018 .017	
2.0	.171 .140 .113	.147 .120 .098	.100 .083 .068	.058 .048 .040	.019 .016 .013	
3.0	.162 .121 .089	.139 .105 .077	.095 .073 .054	.055 .042 .032	.018 .014 .010	
4.0	.153 .107 .072	.132 .093 .063	.091 .065 .044	.052 .038 .026	.017 .012 .009	
5.0	.146 .097 .060	.125 .084 .052	.086 .058 .037	.050 .034 .022	.016 .011 .007	
6.0	.139 .088 .051	.120 .076 .044	.083 .053 .031	.048 .031 .019	.015 .010 .006	
7.0	.133 .081 .044	.115 .070 .039	.079 .049 .027	.046 .029 .016	.015 .009 .005	
8.0	.127 .075 .039	.110 .065 .034	.076 .046 .024	.044 .027 .014	.014 .009 .005	
9.0	.122 .070 .035	.105 .061 .030	.073 .043 .022	.042 .025 .013	.014 .008 .004	
10.0	.117 .066 .032	.101 .057 .028	.070 .040 .020	.041 .024 .012	.013 .008 .004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-05-04

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:277.6V I:0.9924A P:271.6W PF:0.9858 Freq:59.98Hz Lamp Flux:39042.9x1 lm										
NAME: ASD-UHB3HV-300ADAC-BK-300W5000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp.					SUR.:0.29*0.29m			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	28.9	30.2	29.2	30.4	30.6	29.5	30.8	29.8	31.0	31.2
3H	29.2	30.3	29.5	30.6	30.8	29.8	30.9	30.1	31.2	31.4
4H	29.2	30.3	29.5	30.6	30.8	29.8	30.9	30.2	31.2	31.5
6H	29.2	30.2	29.6	30.5	30.8	29.9	30.9	30.2	31.2	31.4
8H	29.2	30.2	29.5	30.5	30.8	29.9	30.8	30.2	31.1	31.4
12H	29.2	30.1	29.5	30.4	30.7	29.8	30.8	30.2	31.1	31.4
4H 2H	29.0	30.1	29.4	30.4	30.6	29.5	30.6	29.9	30.9	31.1
3H	29.4	30.3	29.7	30.6	30.9	29.9	30.9	30.3	31.2	31.5
4H	29.5	30.4	29.9	30.7	31.0	30.1	30.9	30.5	31.3	31.6
6H	29.6	30.3	30.0	30.7	31.1	30.2	30.9	30.6	31.3	31.6
8H	29.6	30.3	30.0	30.6	31.0	30.2	30.9	30.6	31.2	31.6
12H	29.6	30.2	30.0	30.6	31.0	30.2	30.8	30.6	31.2	31.6
8H 4H	29.5	30.2	29.9	30.6	31.0	30.1	30.7	30.5	31.1	31.5
6H	29.6	30.2	30.1	30.6	31.0	30.2	30.8	30.6	31.2	31.6
8H	29.7	30.2	30.1	30.6	31.1	30.2	30.7	30.7	31.2	31.6
12H	29.7	30.1	30.1	30.5	31.0	30.3	30.7	30.7	31.1	31.6
12H 4H	29.5	30.1	29.9	30.5	30.9	30.0	30.6	30.5	31.0	31.5
6H	29.6	30.1	30.1	30.5	31.0	30.2	30.7	30.6	31.1	31.6
8H	29.6	30.1	30.1	30.5	31.0	30.2	30.6	30.7	31.1	31.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.7					+ 1.1 / - 1.4				
1.5H	+ 1.2 / - 1.2					+ 1.0 / - 1.1				
2.0H	+ 2.3 / - 1.8					+ 2.5 / - 1.9				

CIE Pub.117, 39043 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 12.7)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-05-04

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:277.6V I:0.9924A P:271.6W PF:0.9858 Freq:59.98Hz Lamp Flux:39042.9x1 lm		
NAME: ASD-UHB3HV-300ADAC-BK-300W5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.29*0.29m	Shielding Angle:

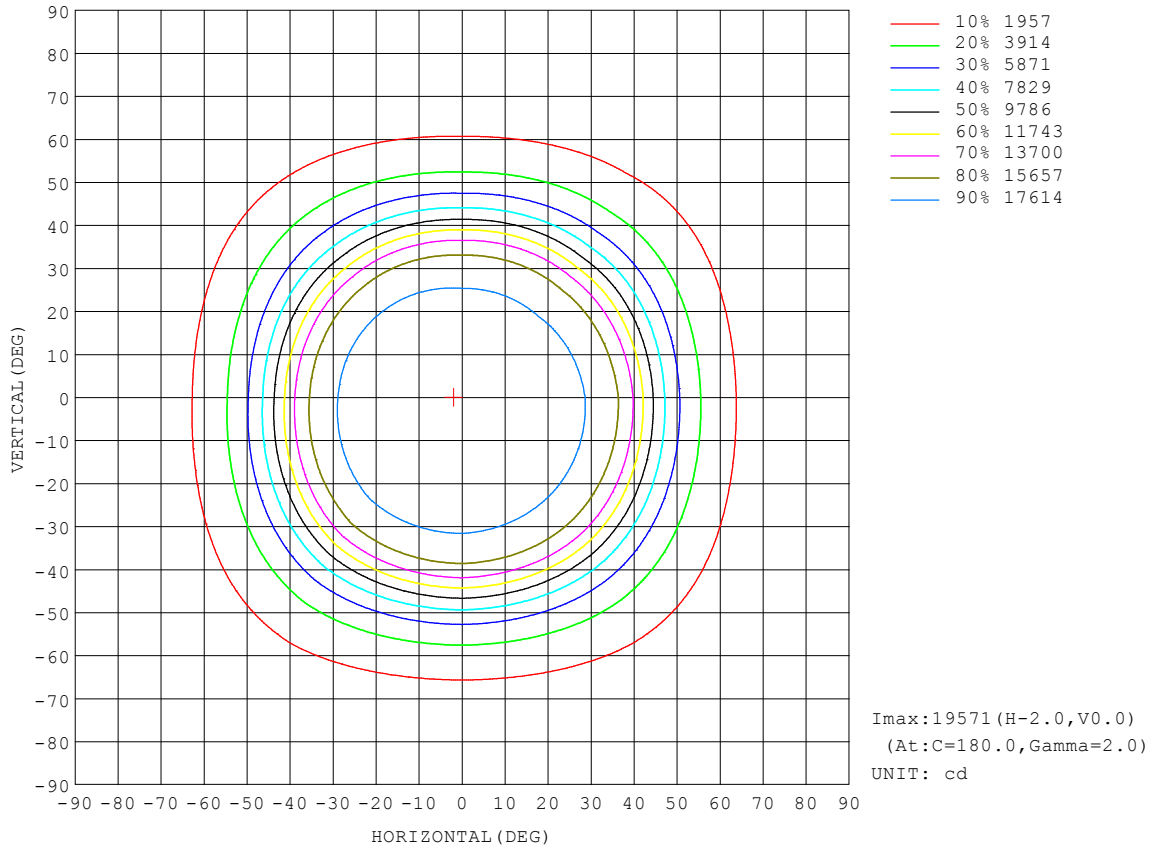
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	69	60	54	69	60	54	68	59	54	49
0.80	79	70	64	78	70	64	77	69	64	58
1.00	87	78	73	86	78	72	84	78	72	66
1.25	93	85	80	91	84	79	89	83	78	72
1.50	97	90	84	95	89	84	93	87	83	77
2.00	102	96	91	100	95	90	97	92	89	82
2.50	105	99	95	103	98	94	99	95	92	84
3.00	107	102	98	105	101	97	101	98	95	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	103	105	102	100	92
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:2023-05-04

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:277.6V I:0.9924A P:271.6W PF:0.9858 Freq:59.98Hz Lamp Flux:39042.9x1 lm		
NAME: ASD-UHB3HV-300ADAC-BK-300W5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.29*0.29m	Shielding Angle:

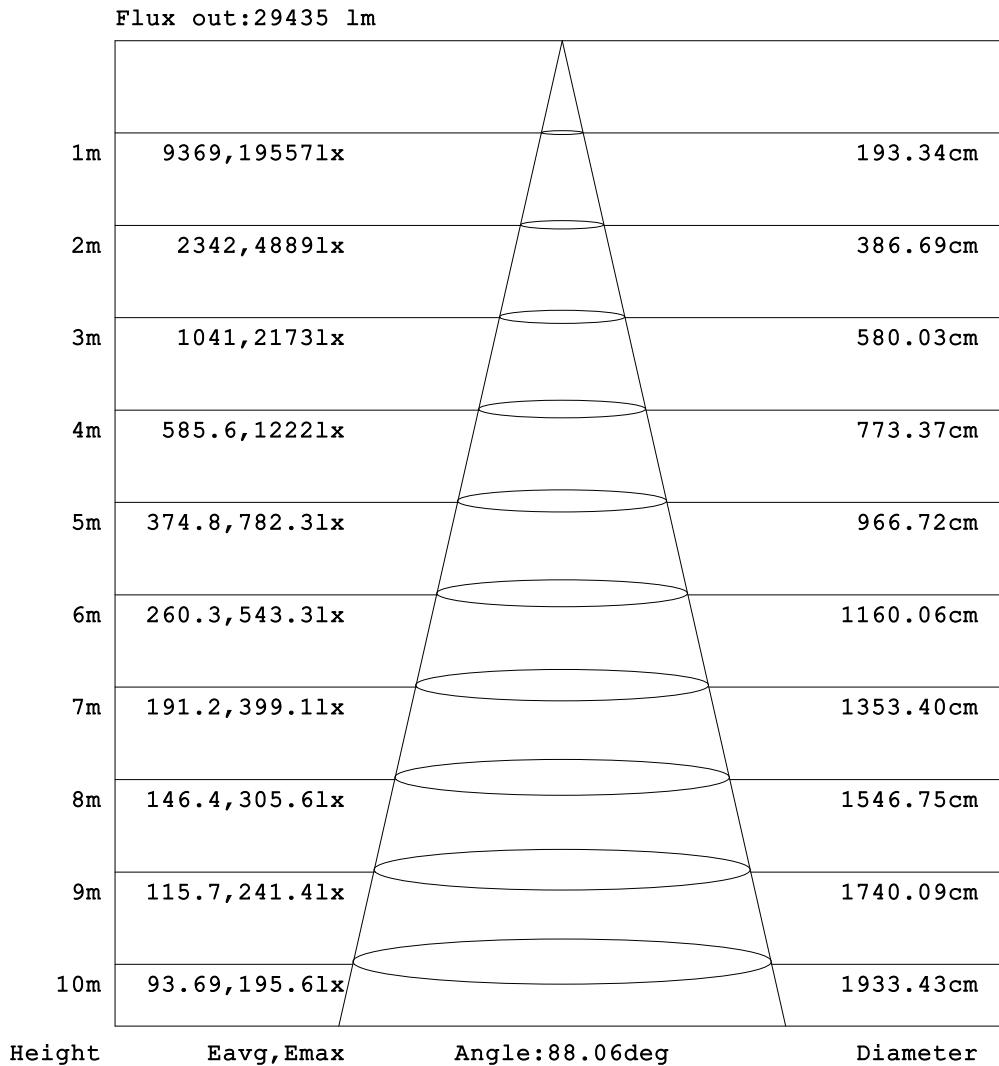


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-05-04

□ 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:277.6V I:0.9924A P:271.6W PF:0.9858 Freq:59.98Hz Lamp Flux:39042.9x1 lm		
NAME: ASD-UHB3HV-300ADAC-BK-300W5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.29*0.29m	Shielding Angle:

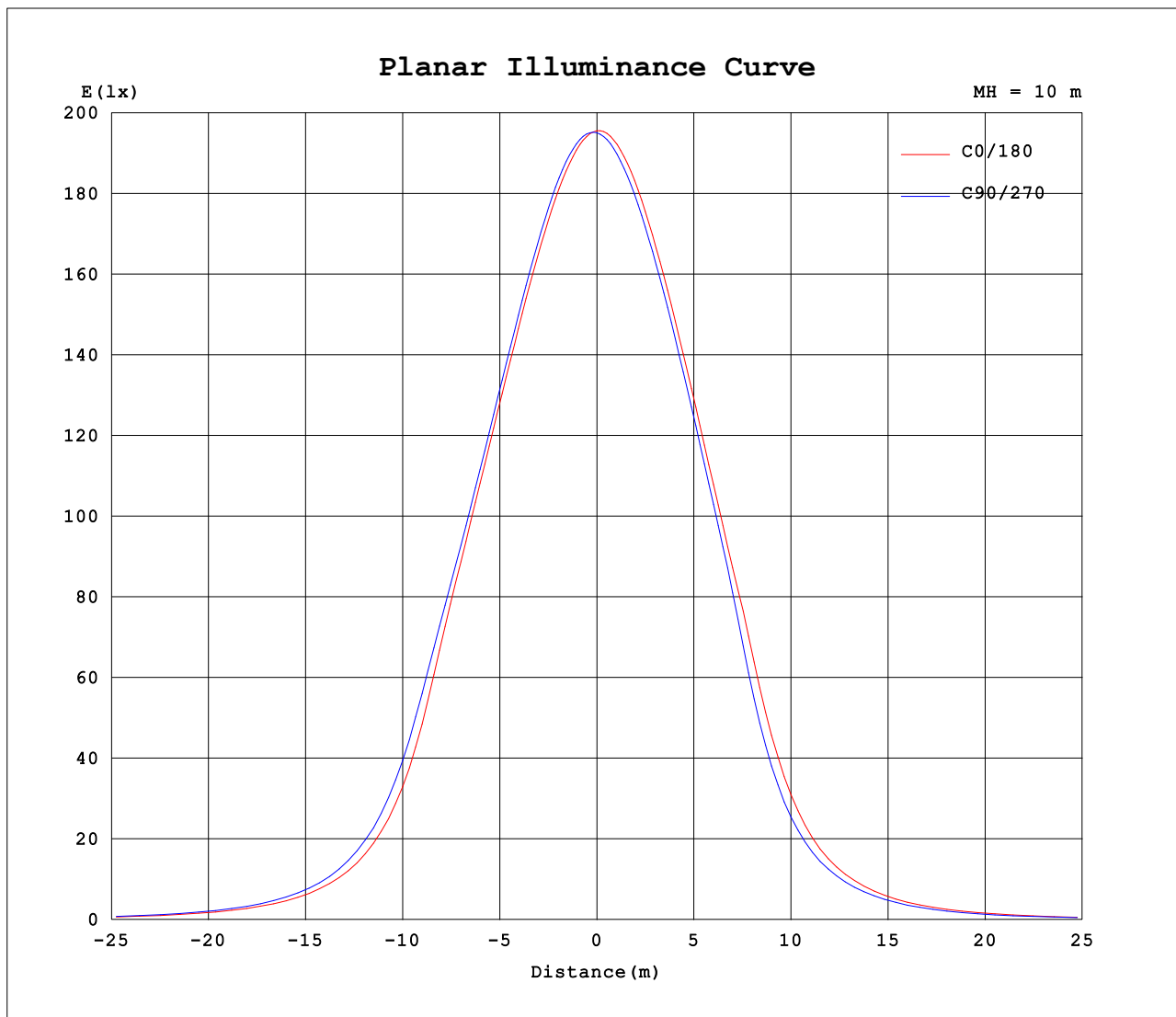


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-05-04

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: 2023-05-04

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:277.6V I:0.9924A P:271.6W PF:0.9858 Freq:59.98Hz Lamp Flux:39042.9x1 lm		
NAME: ASD-UHB3HV-300ADAC-BK-300W5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.29*0.29m	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	1956	1954	1951	1949	1956	1954	1951	1949										
5	1943	1950	1956	1956	1955	1944	1933	1930										
10	1921	1933	1947	1950	1941	1923	1906	1903										
15	1892	1907	1926	1931	1917	1892	1873	1870										
20	1855	1873	1895	1902	1881	1853	1829	1828										
25	1808	1829	1853	1859	1827	1794	1767	1771										
30	1738	1765	1791	1790	1737	1697	1664	1676										
35	1615	1655	1689	1676	1587	1514	1474	1498										
40	1351	1452	1499	1481	1280	1139	1085	1129										
45	934	1051	1117	1086	879	772	721	760										
50	618	700	747	722	571	514	473	500										
55	407	462	486	473	378	343	315	330										
60	269	307	320	312	248	225	207	216										
65	175	201	208	203	159	145	132	138										
70	112	128	133	129	100	89.3	82.1	86.3										
75	66.6	77.6	81.3	78.3	57.7	49.8	45.3	48.4										
80	34.5	41.0	43.4	41.5	27.5	22.1	19.3	21.8										
85	11.9	14.6	17.3	14.5	7.34	4.51	2.99	3.78										
90	1.38	1.75	1.92	1.73	1.37	1.52	1.50	1.44										
95	1.41	1.57	1.39	1.52	1.37	1.51	1.54	1.54										
100	1.83	1.70	1.62	1.68	1.84	1.99	2.10	2.04										
105	2.47	2.28	2.18	2.25	2.48	2.67	2.80	2.72										
110	3.24	3.01	2.89	2.97	3.26	3.47	3.63	3.53										
115	4.11	3.85	3.71	3.80	4.14	4.37	4.55	4.43										
120	5.07	4.78	4.62	4.71	5.10	5.33	5.54	5.41										
125	6.09	5.77	5.60	5.68	6.12	6.34	6.57	6.42										
130	7.12	6.78	6.61	6.68	7.18	7.37	7.64	7.45										
135	8.13	7.78	7.63	7.66	8.23	8.40	8.67	8.46										
140	9.08	8.77	8.60	8.62	9.24	9.40	9.64	9.44										
145	9.96	9.70	9.51	9.53	10.2	10.3	10.5	10.4										
150	10.8	10.6	10.4	10.4	11.1	11.3	11.5	11.2										
155	11.8	11.5	11.3	11.3	12.1	12.2	12.4	12.2										
160	12.8	12.4	12.3	12.2	13.1	13.2	13.4	13.2										
165	13.8	13.4	13.4	13.3	14.1	14.1	14.4	14.1										
170	14.7	14.3	14.3	14.2	14.9	14.9	15.1	14.8										
175	15.3	15.1	15.1	15.0	15.5	15.4	15.6	15.3										
180	15.7	15.5	15.6	15.4	15.7	15.5	15.6	15.4										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-05-04

□ 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: