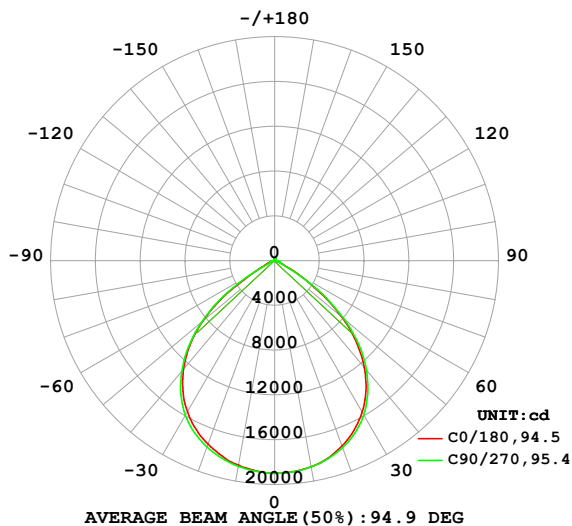


LUMINAIRE PHOTOMETRIC TEST REPORT

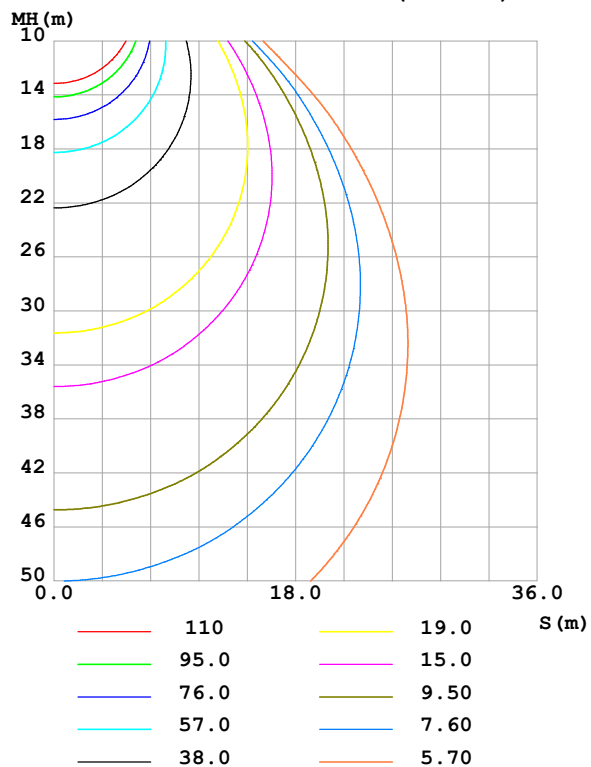
Test:U:120.08V I:1.9901A P:242.87W PF:0.9970 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38423.5x1 lm		
NAME: ASD-WFS-ST-240	TYPE:	WEIGHT:
SPEC.: 240W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.605*0.315m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.21 lm/W			
MODEL	ASD-WFS-ST-240	Imax (cd)	18994	S/MH(C0/180)	1.22
NOMINAL POWER(W)	240	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	38423	η UP,DN(C0-180)	0.6,49.1
NOMINAL FLUX(lm)	38423.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.6
LAMPS INSIDE	1	η up (%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down (%)	98.7	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-08-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 9.770m [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	1869	1871	1872	1864	1856	1857	1866	1867	0- 10	1796	1796	4.68,4.68
20	1762	1769	1776	1767	1744	1754	1771	1770	10- 20	5147	6944	18.1,18.1
30	1563	1568	1591	1582	1560	1569	1595	1575	20- 30	7740	14684	38.2,38.2
40	1249	1252	1277	1277	1268	1275	1291	1259	30- 40	8961	23645	61.5,61.5
50	784.5	780.9	806.3	821.6	835.9	844.4	849.3	794.3	40- 50	8116	31761	82.7,82.7
60	238.7	243.7	210.0	244.3	229.7	272.0	234.0	260.5	50- 60	4686	36447	94.9,94.9
70	43.65	49.17	46.89	58.58	54.69	53.70	43.70	42.72	60- 70	1016	37463	97.5,97.5
80	16.08	17.70	31.82	23.27	17.21	18.13	29.08	15.39	70- 80	361.8	37825	98.4,98.4
90	0.6177	0.6884	0.6835	0.8075	0.8308	0.8935	0.8095	0.8324	80- 90	94.51	37919	98.7,98.7
100	1.825	1.917	1.929	1.836	2.138	2.164	2.206	2.231	90-100	14.12	37933	98.7,98.7
110	3.995	4.106	4.171	4.006	4.494	4.506	4.592	4.598	100-110	32.64	37966	98.8,98.8
120	6.826	6.917	7.033	6.816	7.477	7.453	7.576	7.548	110-120	56.78	38023	99,99
130	9.563	9.682	9.867	9.651	10.39	10.34	10.45	10.38	120-130	77.28	38100	99.2,99.2
140	12.06	12.26	12.37	12.23	12.97	12.92	12.94	12.98	130-140	87.50	38188	99.4,99.4
150	14.80	15.01	15.06	14.90	15.58	15.47	15.50	15.60	140-150	86.88	38274	99.6,99.6
160	17.76	17.81	17.77	17.55	18.15	17.91	18.04	18.20	150-160	76.50	38351	99.8,99.8
170	19.94	19.60	19.67	19.40	20.10	19.61	19.84	19.82	160-170	53.30	38404	100,100
180	20.87	20.35	20.64	20.35	20.88	20.34	20.64	20.35	170-180	19.21	38423	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 27964 lm

%lum = 72.8%

%lamp = 72.8%

Conical surface Flux(130deg): 37151 lm

%lum = 96.7%

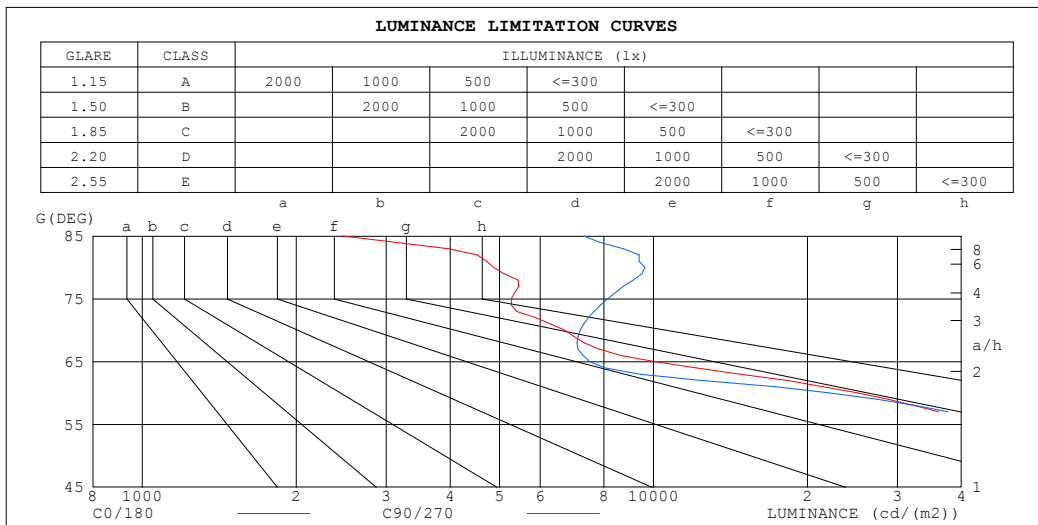
%lamp = 96.7%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:lianghaizhu-2
 Test Date:2025-08-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:9.770m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.08V I:1.9901A P:242.87W PF:0.9970 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38423.5x1 lm		
NAME: ASD-WFS-ST-240	TYPE:	WEIGHT:
SPEC.: 240W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.605*0.315m	Shielding Angle:

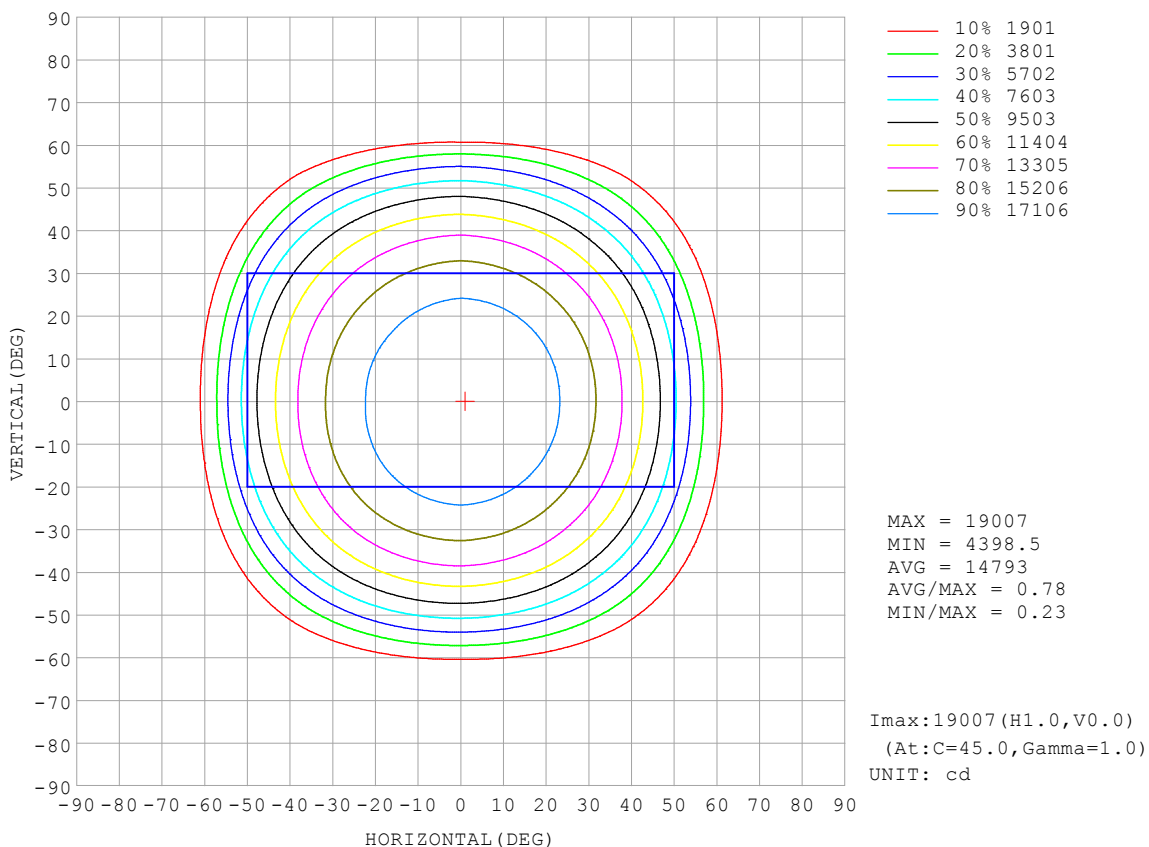


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-08-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 9.770m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.08V I:1.9901A P:242.87W PF:0.9970 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38423.5x1 lm		
NAME: ASD-WFS-ST-240	TYPE:	WEIGHT:
SPEC.: 240W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.605*0.315m	Shielding Angle:

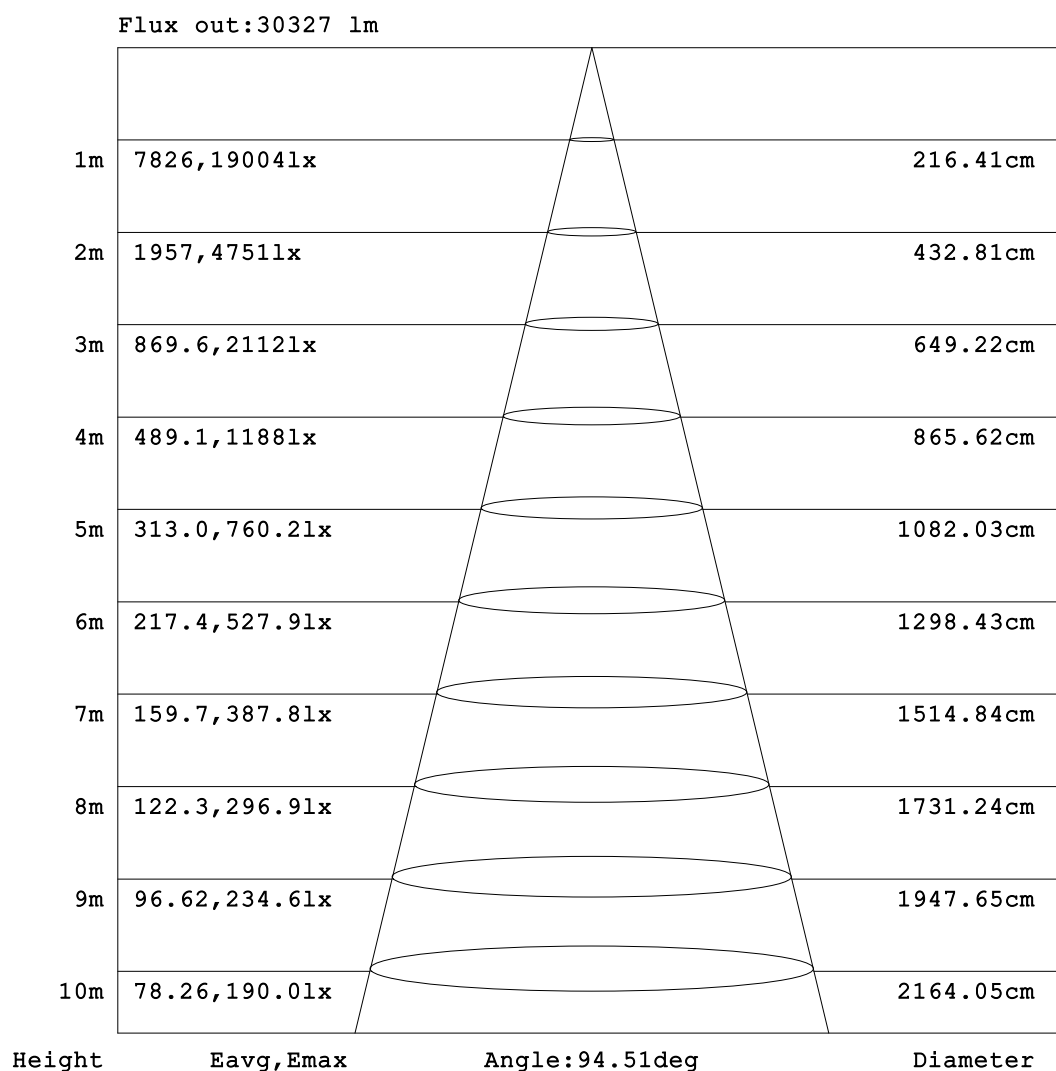


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-08-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.08V I:1.9901A P:242.87W PF:0.9970 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38423.5x1 lm		
NAME: ASD-WFS-ST-240	TYPE:	WEIGHT:
SPEC.: 240W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.605*0.315m	Shielding Angle:



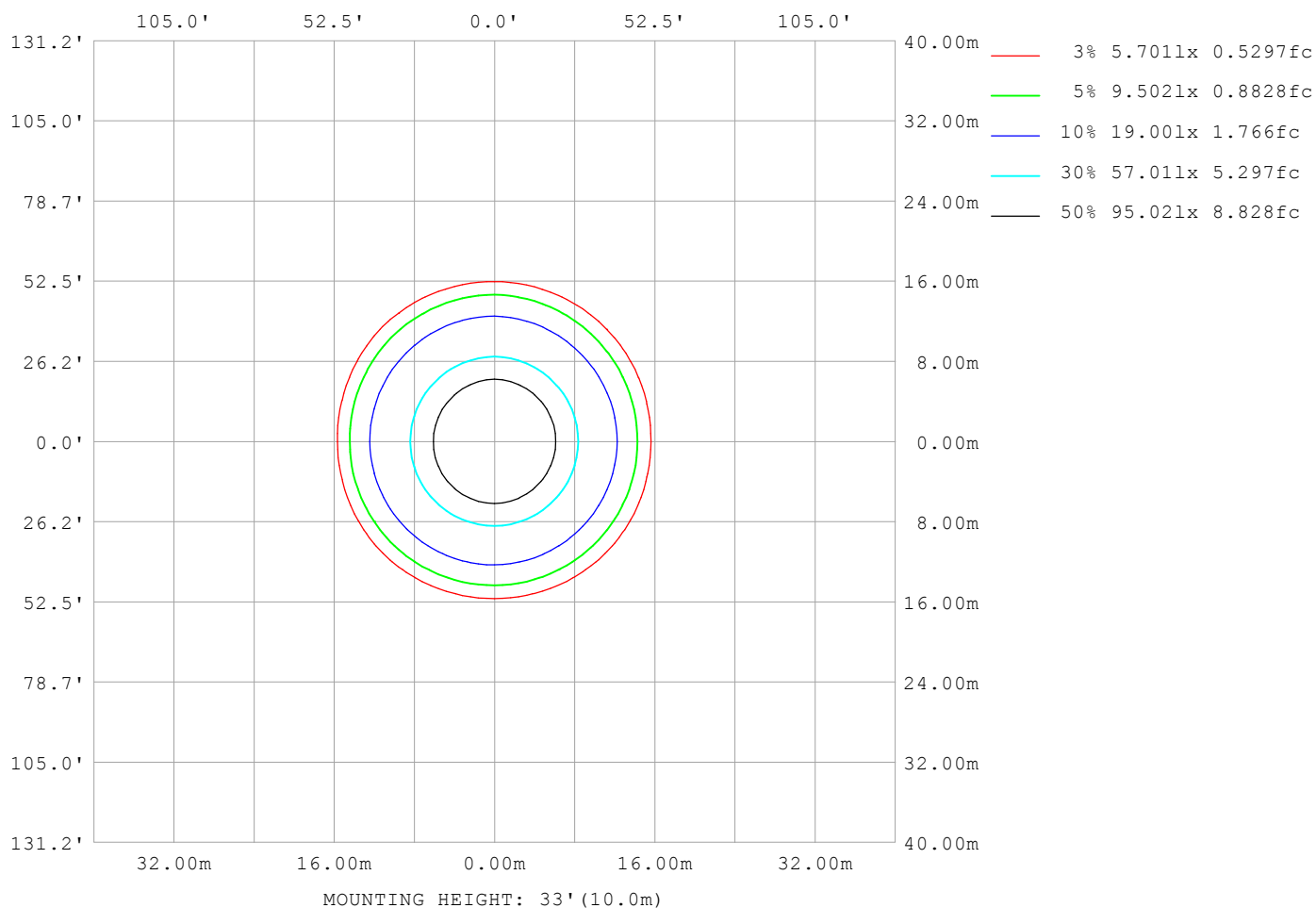
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-08-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

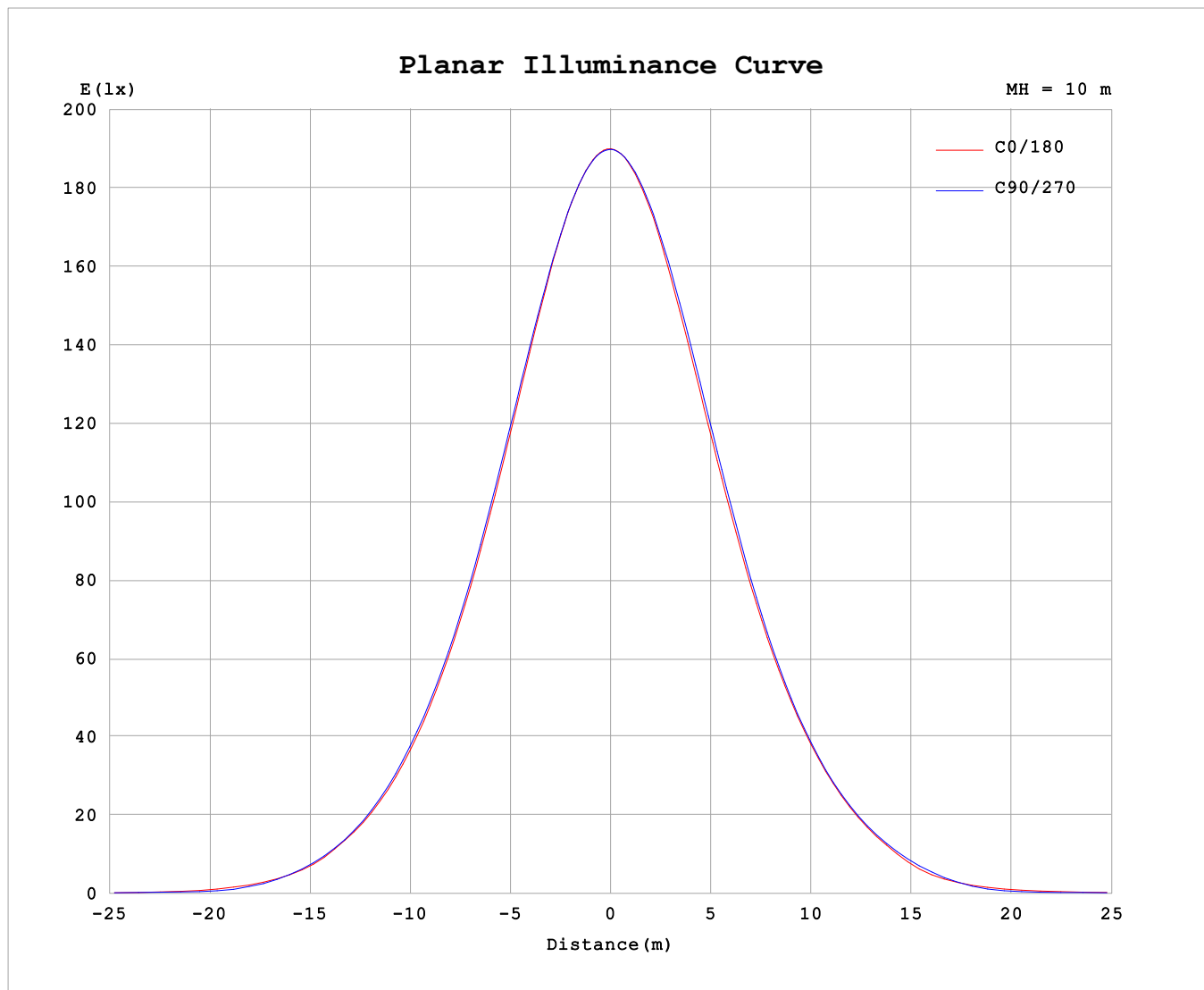
Test:U:120.08V I:1.9901A P:242.87W PF:0.9970 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38423.5x1 lm		
NAME: ASD-WFS-ST-240	TYPE:	WEIGHT:
SPEC.: 240W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.605*0.315m	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-08-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 9.770m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-08-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 9.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.08V I:1.9901A P:242.87W PF:0.9970 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38423.5x1 lm		
NAME: ASD-WFS-ST-240	TYPE:	WEIGHT:
SPEC.: 240W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.605*0.315m	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	1899	1899	1899	1899	1899	1899	1899	1899										
5	1893	1894	1893	1890	1886	1886	1890	1891										
10	1869	1871	1872	1864	1856	1857	1866	1867										
15	1828	1831	1833	1826	1809	1814	1827	1828										
20	1762	1769	1776	1767	1744	1754	1771	1770										
25	1675	1681	1698	1686	1663	1672	1697	1686										
30	1563	1568	1591	1582	1560	1569	1595	1575										
35	1423	1426	1450	1447	1429	1438	1460	1434										
40	1249	1252	1277	1277	1268	1275	1291	1259										
45	1035	1036	1066	1069	1074	1077	1089	1044										
50	784	781	806	822	836	844	849	794										
55	493	504	513	530	537	565	570	522										
60	239	244	210	244	230	272	234	260										
65	80.7	83.0	60.4	96.0	92.0	100	56.6	82.5										
70	43.6	49.2	46.9	58.6	54.7	53.7	43.7	42.7										
75	26.0	34.2	40.1	42.1	27.0	34.7	36.8	27.9										
80	16.1	17.7	31.8	23.3	17.2	18.1	29.1	15.4										
85	4.09	6.18	12.1	7.53	5.47	6.95	11.9	5.81										
90	0.62	0.69	0.68	0.81	0.83	0.89	0.81	0.83										
95	1.10	1.17	1.18	1.11	1.32	1.36	1.38	1.40										
100	1.83	1.92	1.93	1.84	2.14	2.16	2.21	2.23										
105	2.80	2.90	2.93	2.80	3.20	3.22	3.28	3.31										
110	3.99	4.11	4.17	4.01	4.49	4.51	4.59	4.60										
115	5.37	5.49	5.57	5.39	5.96	5.96	6.06	6.06										
120	6.83	6.92	7.03	6.82	7.48	7.45	7.58	7.55										
125	8.24	8.31	8.48	8.25	8.97	8.92	9.06	8.98										
130	9.56	9.68	9.87	9.65	10.4	10.3	10.4	10.4										
135	10.8	11.0	11.2	11.0	11.7	11.7	11.7	11.7										
140	12.1	12.3	12.4	12.2	13.0	12.9	12.9	13.0										
145	13.4	13.6	13.7	13.5	14.2	14.2	14.2	14.2										
150	14.8	15.0	15.1	14.9	15.6	15.5	15.5	15.6										
155	16.3	16.5	16.5	16.3	16.9	16.7	16.8	17.0										
160	17.8	17.8	17.8	17.5	18.2	17.9	18.0	18.2										
165	19.0	18.8	18.9	18.6	19.2	18.9	19.1	19.1										
170	19.9	19.6	19.7	19.4	20.1	19.6	19.8	19.8										
175	20.6	20.1	20.3	20.0	20.7	20.1	20.4	20.2										
180	20.9	20.3	20.6	20.3	20.9	20.3	20.6	20.4										

C Range: 0 - 360DEG

C Interval: 45.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:lianghaizhu-2

Test Date:2025-08-04

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488

Humidity:65.0%

Test Distance:9.770m [K=1.0000]

Remarks: