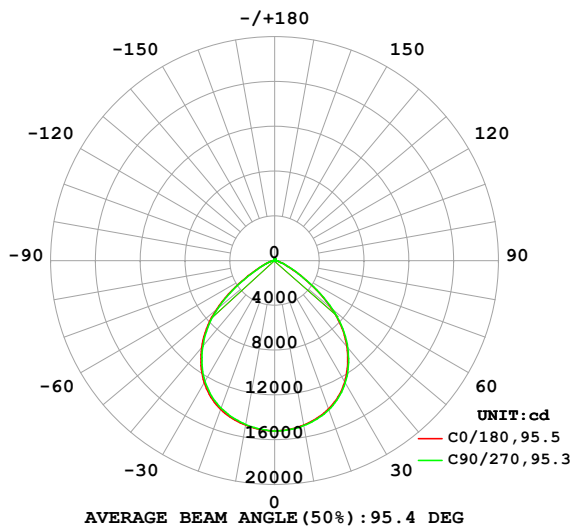


LUMINAIRE PHOTOMETRIC TEST REPORT

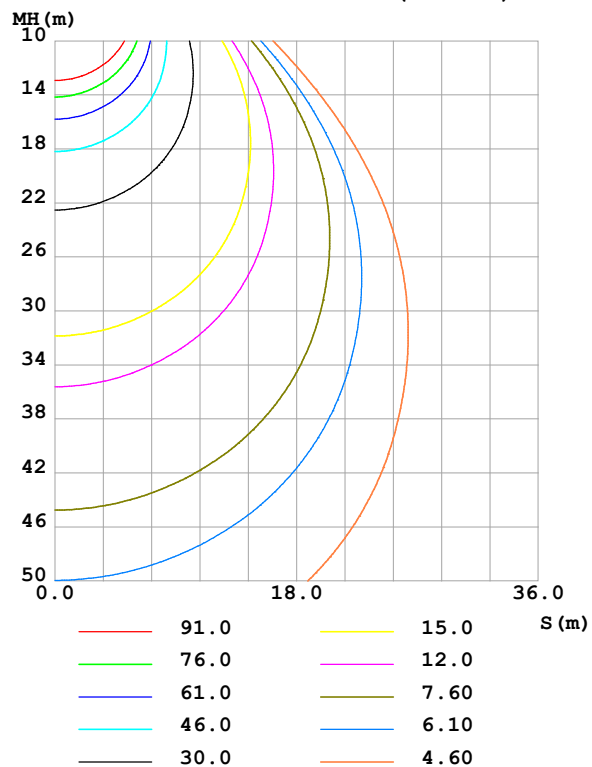
Test:U:120.14V I:1.6912A P:202.10W PF:0.9947 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32131.9x1 lm		
NAME: ASD-UHG-ST-2008K	TYPE:	WEIGHT:
SPEC.: 200W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.36*0.36m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.99 lm/W			
MODEL	ASD-UHG-ST-2008K	I _{max} (cd)	15214	S/MH(C0/180)	1.23
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	32132	η UP,DN(C0-180)	0.7,49.6
NOMINAL FLUX(lm)	32131.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.0
LAMPS INSIDE	1	η up (%)	1.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down (%)	98.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-10-13

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	1492	1496	1497	1497	1493	1489	1487	1487	0- 10	1438	1438	4.48,4.48
20	1410	1417	1418	1417	1414	1408	1402	1399	10- 20	4115	5553	17.3,17.3
30	1252	1263	1262	1264	1259	1253	1246	1238	20- 30	6179	11732	36.5,36.5
40	1006	1019	1017	1021	1015	1009	999.4	992.1	30- 40	7118	18849	58.7,58.7
50	663.8	678.1	673.5	684.0	678.5	675.6	663.6	655.0	40- 50	6556	25406	79.1,79.1
60	267.5	274.1	273.4	279.1	273.9	261.9	255.1	260.2	50- 60	4116	29522	91.9,91.9
70	82.92	82.81	82.98	83.60	83.12	77.96	78.41	79.24	60- 70	1545	31067	96.7,96.7
80	24.30	24.11	24.23	24.69	25.40	23.90	24.14	23.41	70- 80	506.4	31573	98.3,98.3
90	1.325	1.389	1.378	1.433	1.438	1.457	1.420	1.438	80- 90	121.9	31695	98.6,98.6
100	1.847	1.840	1.833	1.811	2.135	2.175	2.153	2.183	90-100	18.14	31713	98.7,98.7
110	3.538	3.499	3.507	3.476	4.016	4.044	4.024	4.033	100-110	29.57	31743	98.8,98.8
120	5.854	5.776	5.826	5.738	6.458	6.465	6.470	6.441	110-120	48.74	31792	98.9,98.9
130	8.255	8.120	8.244	8.087	8.948	8.878	8.955	8.860	120-130	65.69	31857	99.1,99.1
140	10.43	10.37	10.41	10.35	11.14	11.11	11.15	11.10	130-140	74.65	31932	99.4,99.4
150	12.66	12.59	12.63	12.57	13.27	13.25	13.28	13.25	140-150	74.05	32006	99.6,99.6
160	14.92	14.81	14.87	14.80	15.32	15.27	15.32	15.25	150-160	64.65	32071	99.8,99.8
170	16.70	16.43	16.65	16.42	16.85	16.66	16.87	16.66	160-170	44.89	32116	99.9,99.9
180	17.57	17.23	17.57	17.23	17.58	17.23	17.58	17.23	170-180	16.22	32132	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 22310 lm

%lum = 69.4%

%lamp = 69.4%

Conical surface Flux(130deg): 30507 lm

%lum = 94.9%

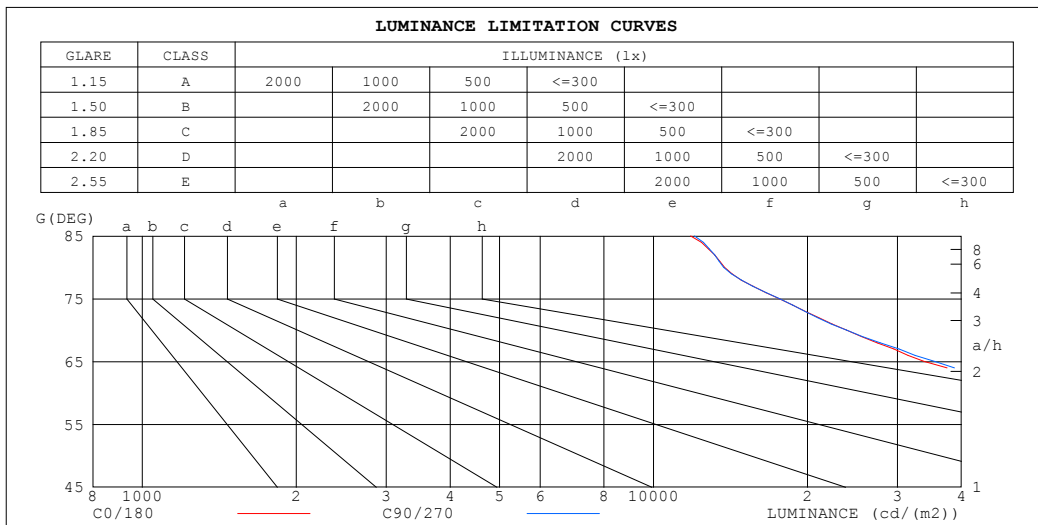
%lamp = 94.9%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:lianghaizhu-2
 Test Date:2025-10-13

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:120.14V I:1.6912A P:202.10W PF:0.9947 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32131.9x1 lm		
NAME: ASD-UHG-ST-2008K	TYPE:	WEIGHT:
SPEC.: 200W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.36*0.36m	Shielding Angle:



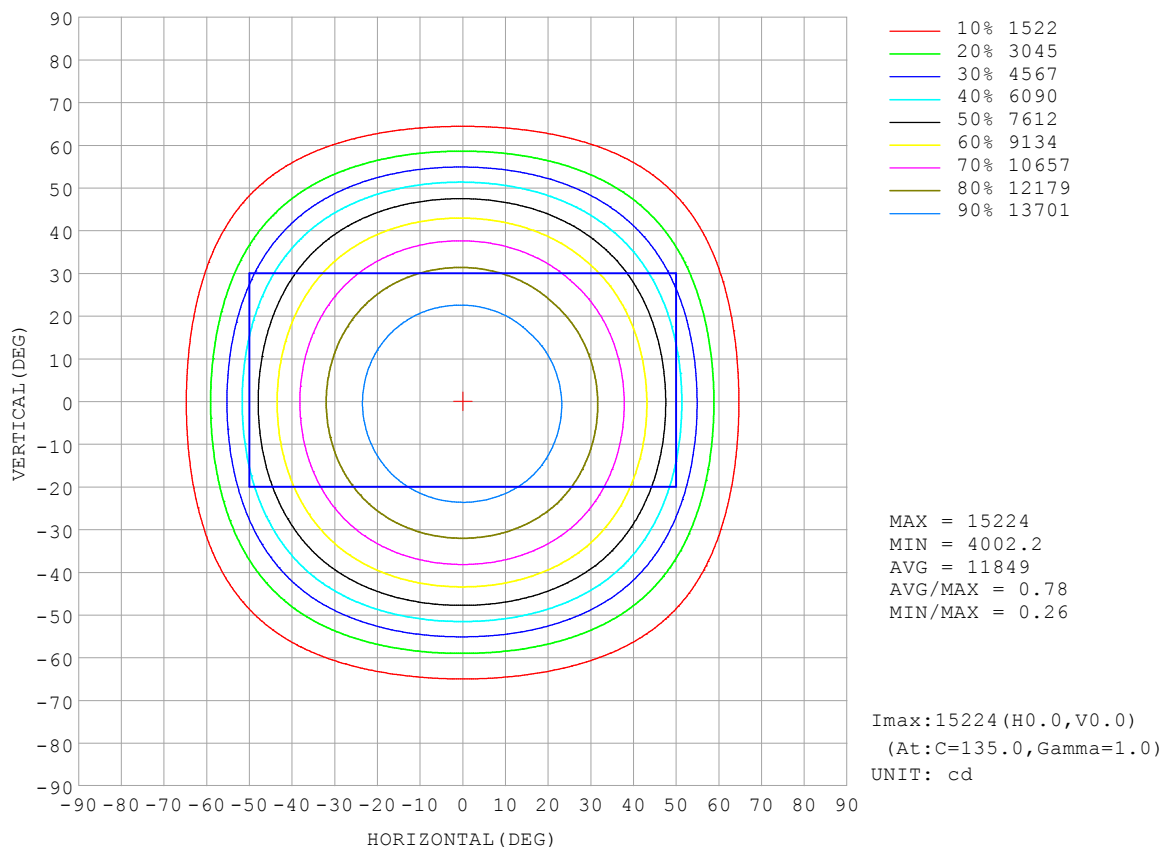
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11813	12022
80	13769	13719
75	17615	17644
70	23857	23853
65	33877	35536
60	52654	53755
55	77638	79309
50	101622	103015
45	118539	119834

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-10-13

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:

ISOCANDELA DIAGRAM

Test:U:120.14V I:1.6912A P:202.10W PF:0.9947 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32131.9x1 lm		
NAME: ASD-UHG-ST-2008K	TYPE:	WEIGHT:
SPEC.: 200W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.36*0.36m	Shielding Angle:

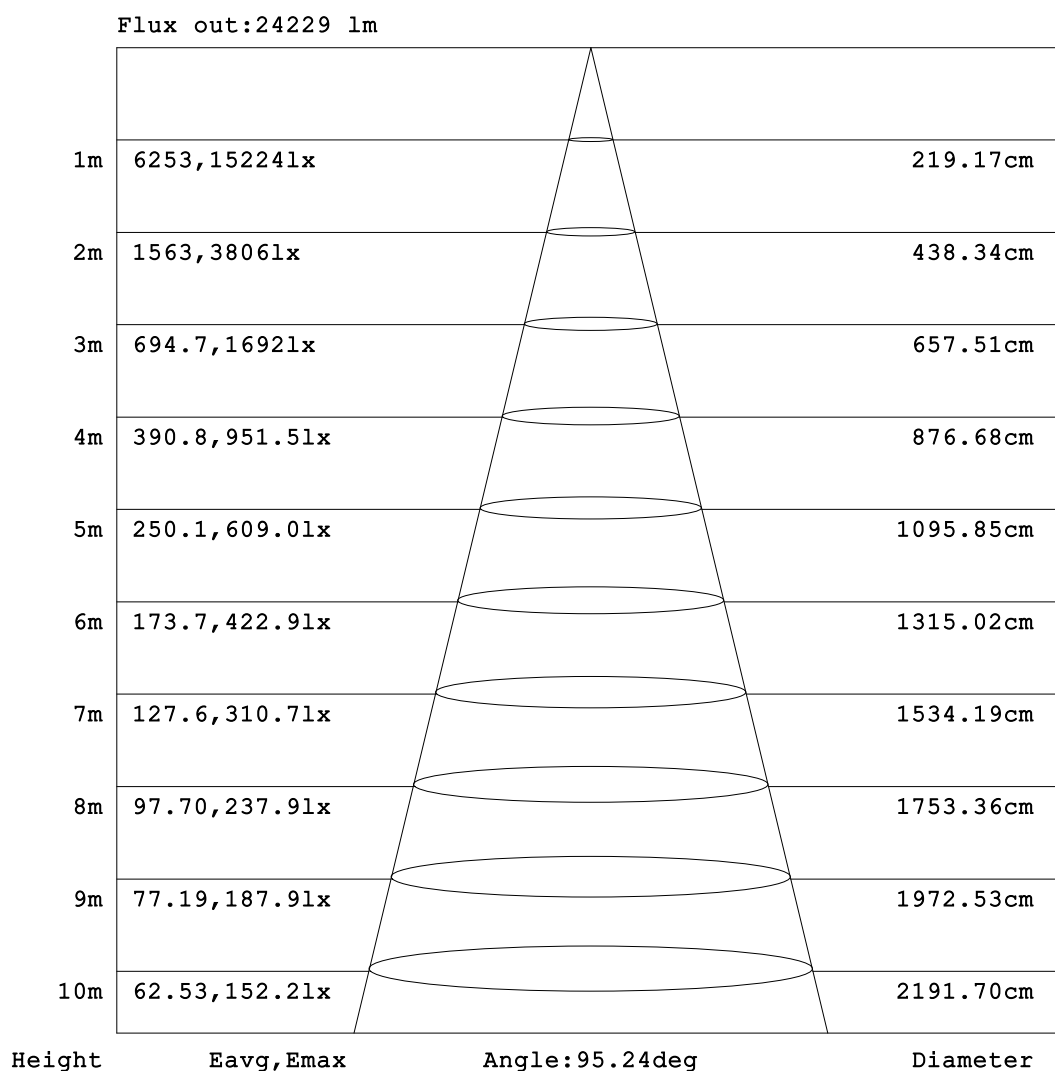


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-10-13

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:120.14V I:1.6912A P:202.10W PF:0.9947 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32131.9x1 lm		
NAME: ASD-UHG-ST-2008K	TYPE:	WEIGHT:
SPEC.: 200W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.36*0.36m	Shielding Angle:



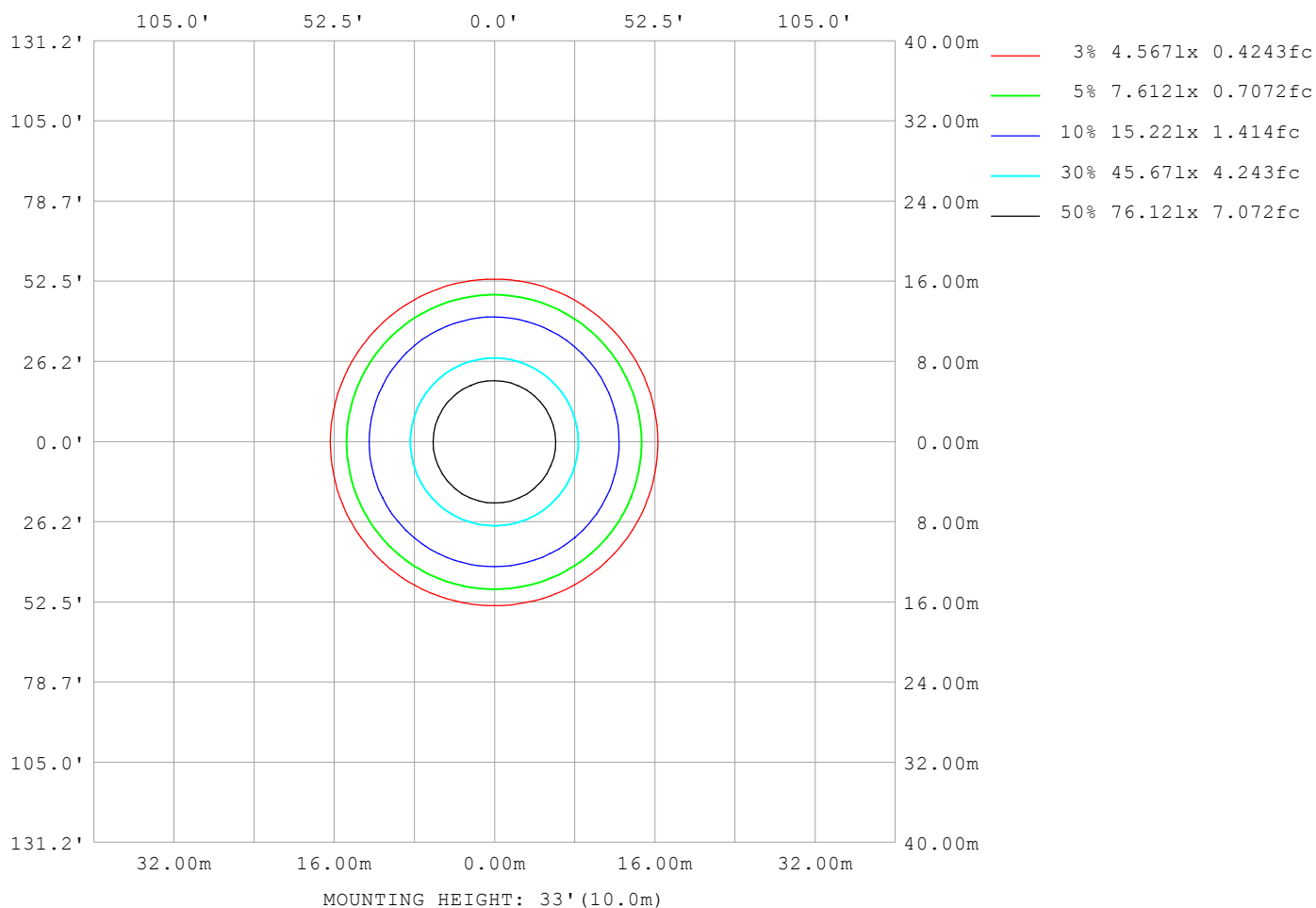
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-10-13

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

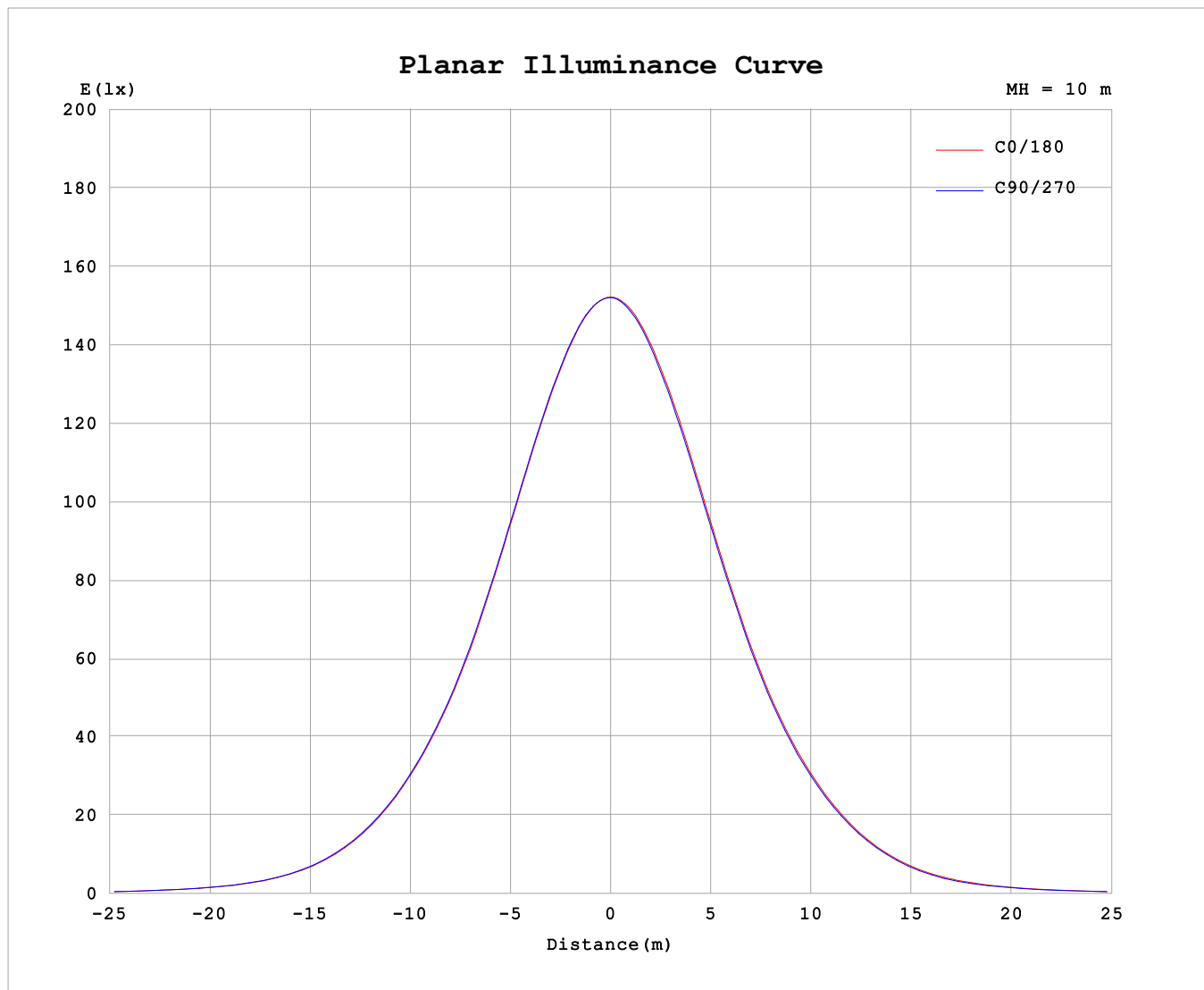
Test:U:120.14V I:1.6912A P:202.10W PF:0.9947 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32131.9x1 lm		
NAME: ASD-UHG-ST-2008K	TYPE:	WEIGHT:
SPEC.: 200W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.36*0.36m	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-10-13

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: 2025-10-13

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:120.14V I:1.6912A P:202.10W PF:0.9947 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32131.9x1 lm		
NAME: ASD-UHG-ST-2008K	TYPE:	WEIGHT:
SPEC.: 200W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.36*0.36m	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	1521	1521	1521	1521	1521	1521	1521	1521										
5	1514	1516	1516	1516	1513	1511	1510	1510										
10	1492	1496	1497	1497	1493	1489	1487	1487										
15	1458	1464	1464	1464	1460	1455	1450	1451										
20	1410	1417	1418	1417	1414	1408	1402	1399										
25	1342	1351	1350	1351	1347	1341	1334	1330										
30	1252	1263	1262	1264	1259	1253	1246	1238										
35	1137	1149	1149	1152	1146	1141	1132	1121										
40	1006	1019	1017	1021	1015	1009	999	992										
45	852	865	862	870	864	858	847	839										
50	664	678	674	684	679	676	664	655										
55	453	468	463	474	467	462	451	445										
60	268	274	273	279	274	262	255	260										
65	145	150	153	151	147	142	141	143										
70	82.9	82.8	83.0	83.6	83.1	78.0	78.4	79.2										
75	46.3	46.8	46.5	47.1	47.7	44.8	44.9	43.9										
80	24.3	24.1	24.2	24.7	25.4	23.9	24.1	23.4										
85	10.5	10.8	10.7	11.3	11.0	9.91	10.0	9.84										
90	1.33	1.39	1.38	1.43	1.44	1.46	1.42	1.44										
95	1.56	1.49	1.49	1.54	1.82	1.86	1.83	1.83										
100	1.85	1.84	1.83	1.81	2.13	2.17	2.15	2.18										
105	2.57	2.55	2.54	2.53	2.95	3.00	2.97	3.00										
110	3.54	3.50	3.51	3.48	4.02	4.04	4.02	4.03										
115	4.66	4.60	4.63	4.57	5.20	5.23	5.22	5.22										
120	5.85	5.78	5.83	5.74	6.46	6.46	6.47	6.44										
125	7.08	6.95	7.06	6.92	7.73	7.69	7.74	7.66										
130	8.25	8.12	8.24	8.09	8.95	8.88	8.95	8.86										
135	9.37	9.28	9.35	9.24	10.1	10.0	10.1	10.0										
140	10.4	10.4	10.4	10.3	11.1	11.1	11.1	11.1										
145	11.5	11.5	11.5	11.4	12.2	12.2	12.2	12.2										
150	12.7	12.6	12.6	12.6	13.3	13.3	13.3	13.2										
155	13.8	13.7	13.8	13.7	14.4	14.3	14.4	14.3										
160	14.9	14.8	14.9	14.8	15.3	15.3	15.3	15.3										
165	15.9	15.7	15.8	15.7	16.2	16.1	16.2	16.0										
170	16.7	16.4	16.6	16.4	16.9	16.7	16.9	16.7										
175	17.3	16.9	17.3	16.9	17.4	17.0	17.4	17.1										
180	17.6	17.2	17.6	17.2	17.6	17.2	17.6	17.2										

C Range: 0 - 360DEG

C Interval: 45.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:lianghaizhu-2

Test Date:2025-10-13

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: