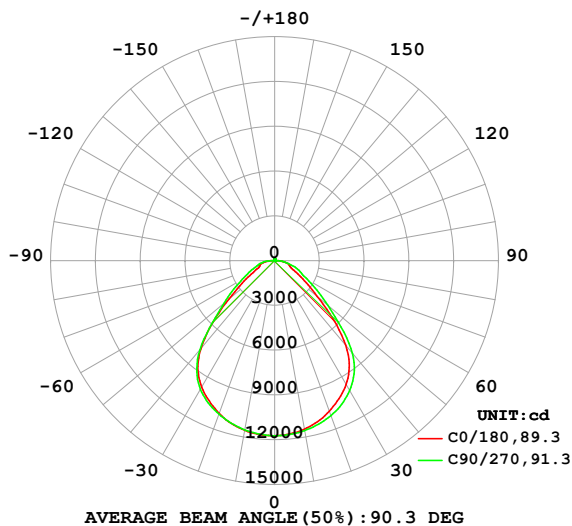


LUMINAIRE PHOTOMETRIC TEST REPORT

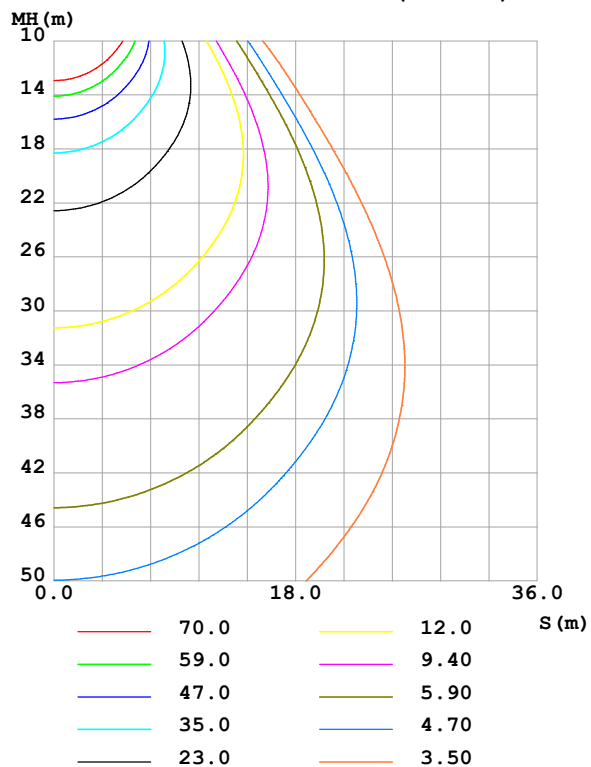
Test:U:120.04V I:1.7208A P:205.31W PF:0.9939 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25574.1x1 lm		
NAME: ASD-WHB7-220RGBW	TYPE:	WEIGHT:
SPEC.: 220W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.84*0.3m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 124.56 lm/W
MODEL	ASD-WHB7-220RGBW	I _{max} (cd)	11730	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	220	LOR(%)	100.0	S/MH(C90/270)	1.25	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	25574	η UP,DN(C0-180)	0.6,49.7	
NOMINAL FLUX(lm)	25574.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.0	
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℃
Operators:lianghaizhu-2
Test Date:2025-07-28

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	1147	1152	1156	1158	1155	1153	1151	1148	0- 10	1110	1110	4.34,4.34
20	1073	1090	1104	1101	1089	1091	1094	1081	10- 20	3180	4290	16.8,16.8
30	959.0	978.6	1005	991.4	978.9	979.6	995.2	964.9	20- 30	4799	9089	35.5,35.5
40	740.7	777.4	811.4	792.7	769.8	764.6	779.6	741.0	30- 40	5573	14662	57.3,57.3
50	374.7	443.4	465.6	445.7	399.8	423.7	444.0	405.9	40- 50	4554	19216	75.1,75.1
60	182.3	226.7	252.8	222.5	181.6	225.6	250.2	210.5	50- 60	2768	21983	86,86
70	109.0	139.3	161.9	140.2	107.5	141.3	146.7	136.7	60- 70	1675	23658	92.5,92.5
80	71.04	78.77	73.79	81.66	71.92	80.04	89.06	81.83	70- 80	1154	24812	97,97
90	1.048	1.758	1.571	2.309	1.667	1.346	1.161	1.277	80- 90	437.1	25249	98.7,98.7
100	1.563	1.679	1.794	1.644	1.766	1.911	2.012	1.896	90-100	15.28	25265	98.8,98.8
110	2.747	2.824	2.941	2.785	3.045	3.236	3.362	3.227	100-110	24.94	25290	98.9,98.9
120	4.351	4.372	4.503	4.336	4.719	4.914	5.039	4.920	110-120	37.74	25327	99,99
130	6.045	6.067	6.149	6.022	6.491	6.617	6.729	6.646	120-130	49.23	25377	99.2,99.2
140	7.500	7.579	7.608	7.522	7.985	8.089	8.167	8.134	130-140	54.86	25431	99.4,99.4
150	8.893	9.020	9.002	8.891	9.328	9.434	9.512	9.550	140-150	53.28	25485	99.7,99.7
160	10.50	10.56	10.51	10.35	10.82	10.80	10.93	10.98	150-160	45.81	25531	99.8,99.8
170	11.98	11.79	11.82	11.62	12.16	11.88	12.04	12.02	160-170	31.96	25563	100,100
180	12.66	12.31	12.51	12.29	12.66	12.31	12.51	12.30	170-180	11.61	25574	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 17187 lm

%lum = 67.2%

%lamp = 67.2%

Conical surface Flux(130deg): 22904 lm

%lum = 89.6%

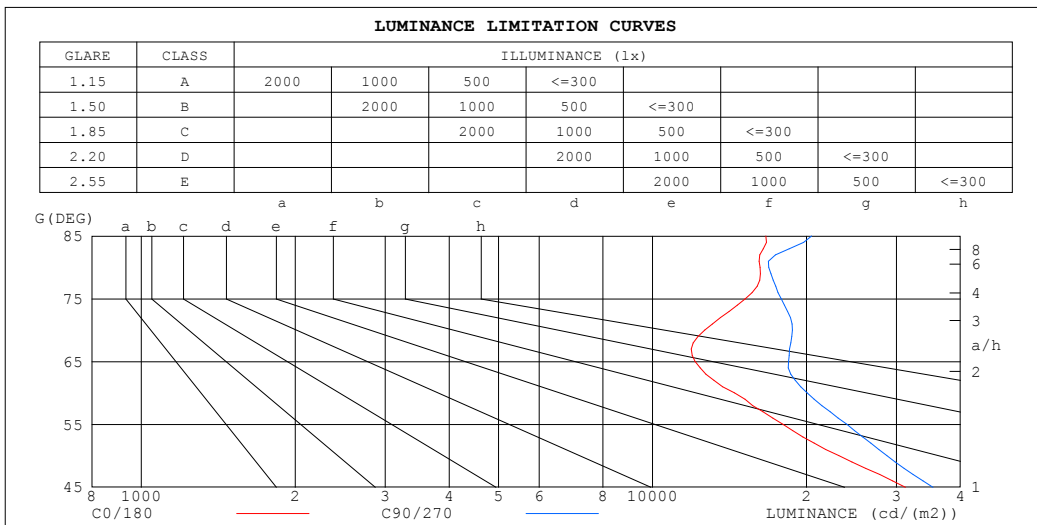
%lamp = 89.6%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:lianghaizhu-2
 Test Date:2025-07-28

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:120.04V I:1.7208A P:205.31W PF:0.9939 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25574.1x1 lm		
NAME: ASD-WHB7-220RGBW	TYPE:	WEIGHT:
SPEC.: 220W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.84*0.3m	Shielding Angle:



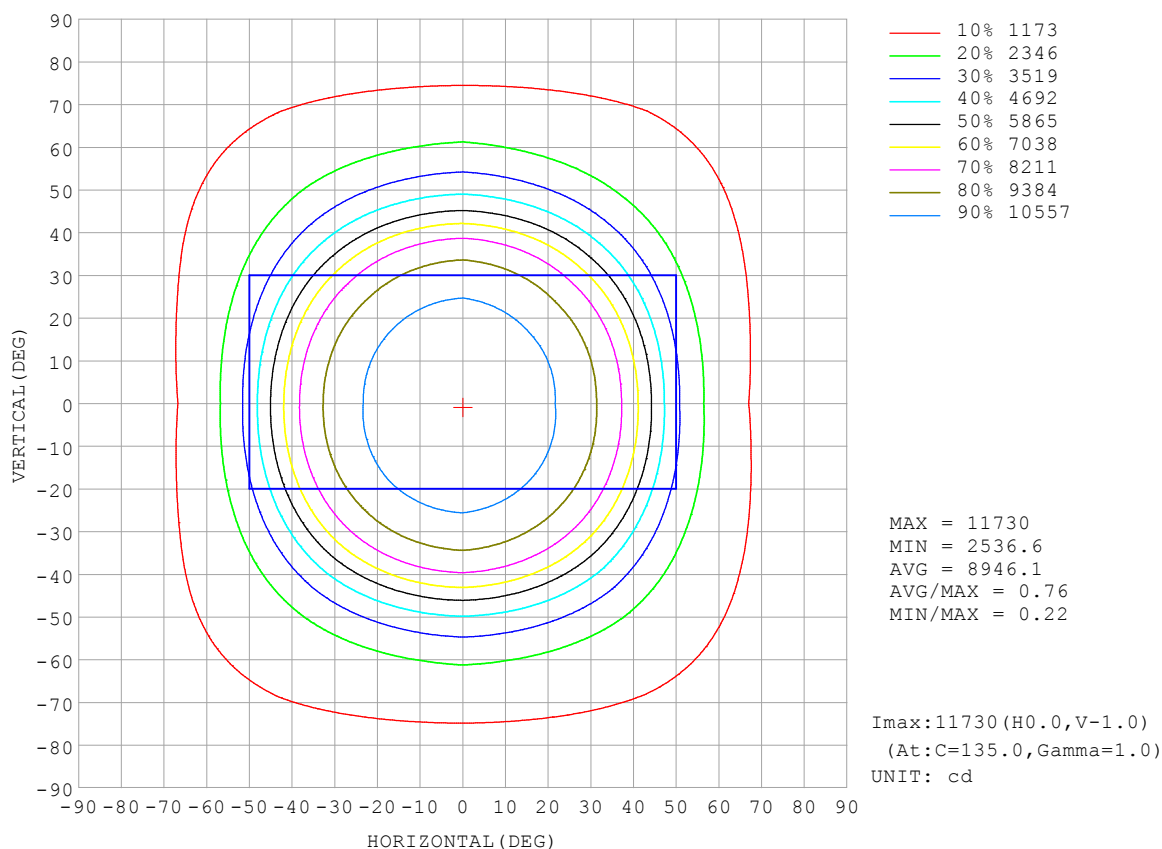
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	16665	20475
80	16233	16864
75	15191	17841
70	12640	18784
65	12120	18458
60	14464	20062
55	17988	23975
50	23128	28745
45	31217	35346

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-07-28

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:120.04V I:1.7208A P:205.31W PF:0.9939 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25574.1x1 lm		
NAME: ASD-WHB7-220RGBW	TYPE:	WEIGHT:
SPEC.: 220W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.84*0.3m	Shielding Angle:

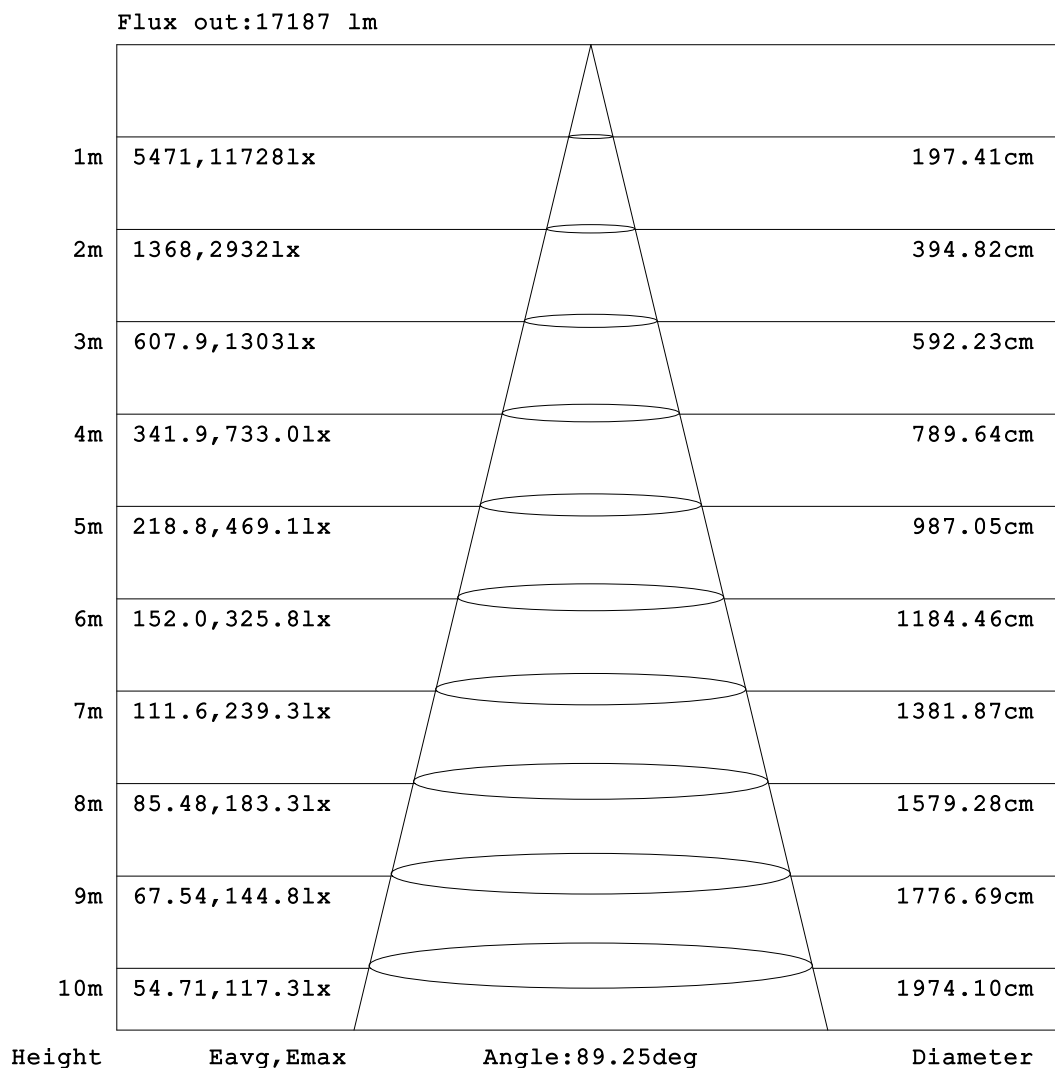


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-07-28

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:120.04V I:1.7208A P:205.31W PF:0.9939 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25574.1x1 lm		
NAME: ASD-WHB7-220RGBW	TYPE:	WEIGHT:
SPEC.: 220W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.84*0.3m	Shielding Angle:



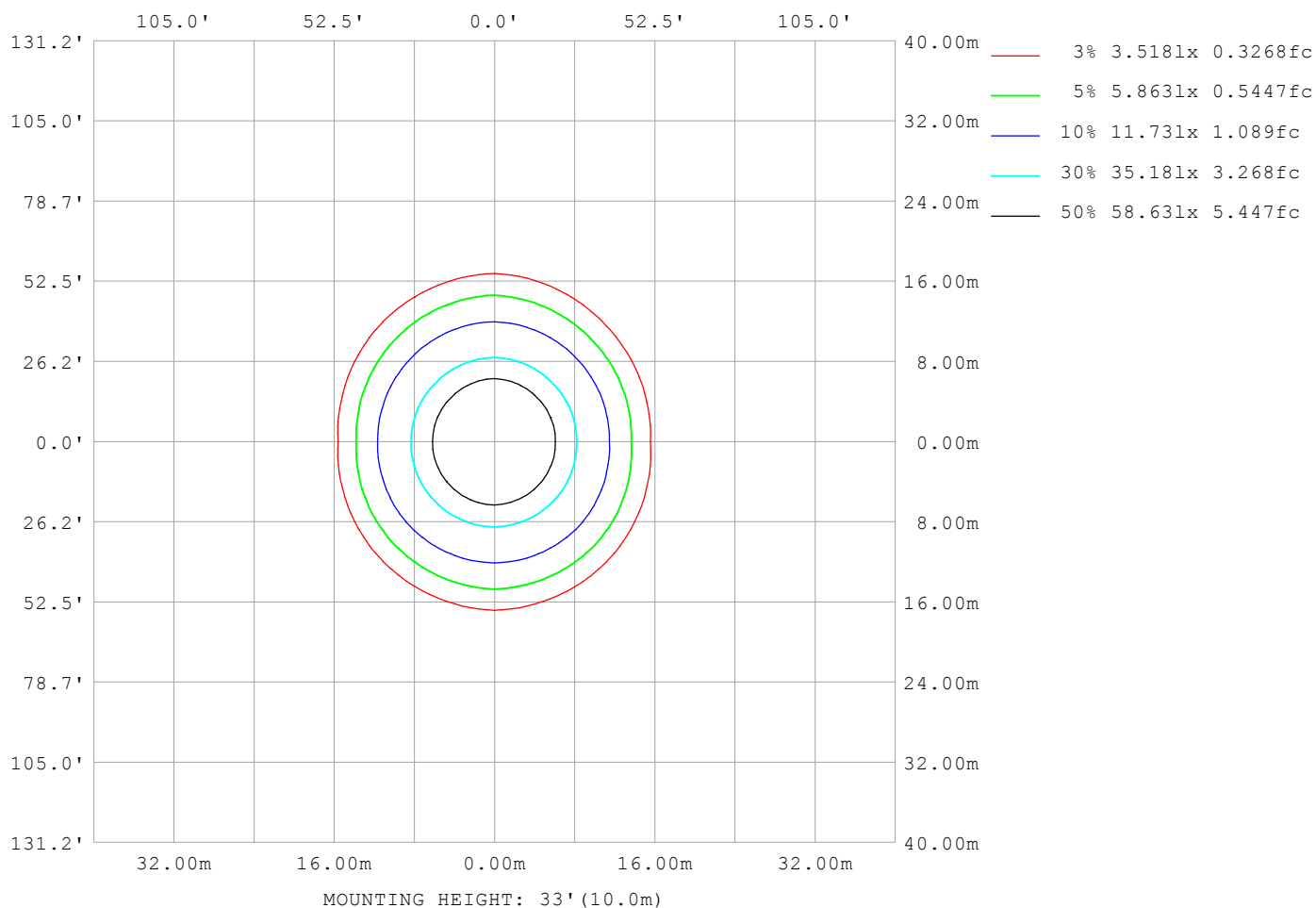
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-07-28

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

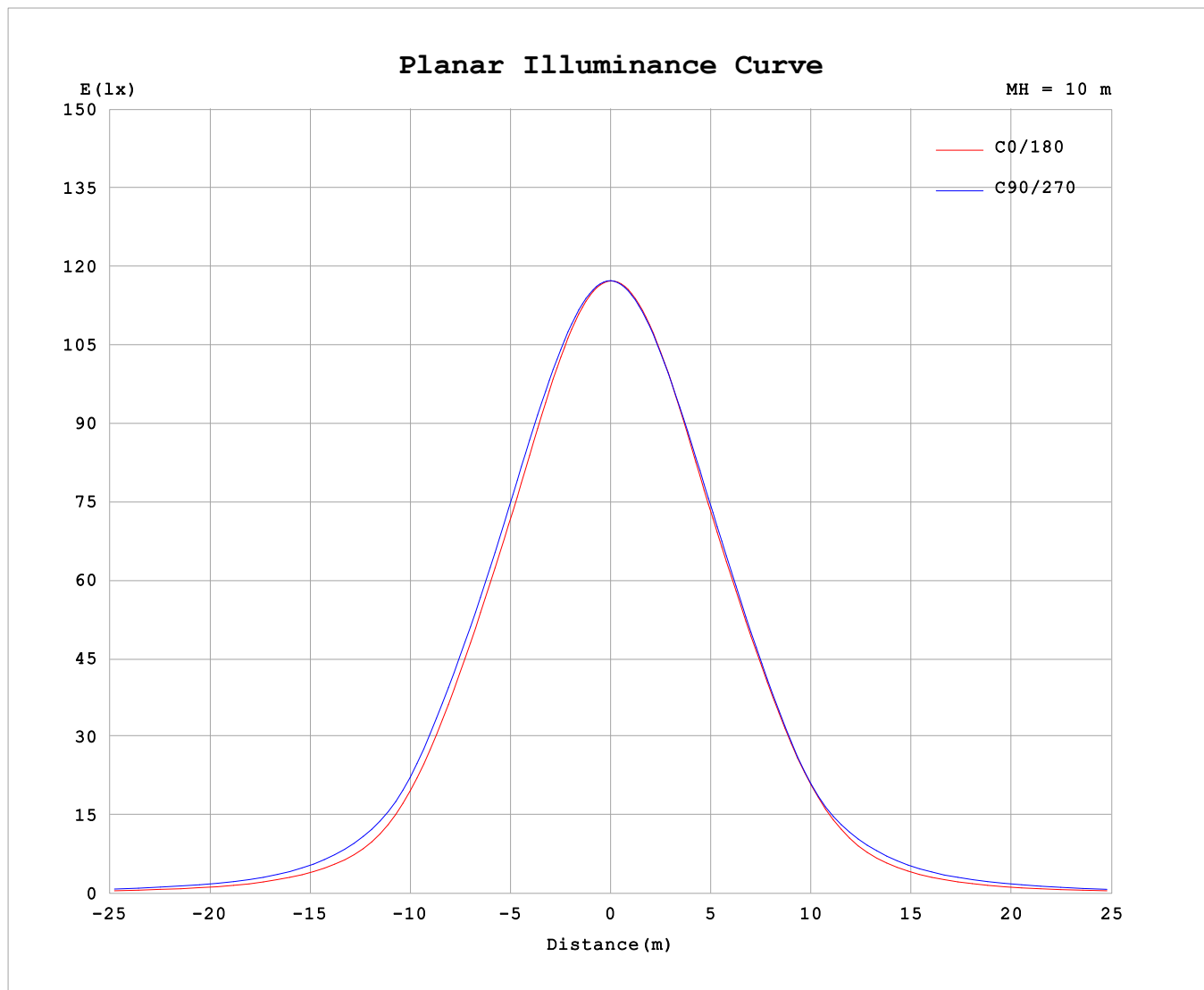
Test:U:120.04V I:1.7208A P:205.31W PF:0.9939 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25574.1x1 lm		
NAME: ASD-WHB7-220RGBW	TYPE:	WEIGHT:
SPEC.: 220W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.84*0.3m	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-07-28

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: 2025-07-28

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:120.04V I:1.7208A P:205.31W PF:0.9939 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25574.1x1 lm		
NAME: ASD-WHB7-220RGBW	TYPE:	WEIGHT:
SPEC.: 220W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.84*0.3m	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	1173	1173	1173	1173	1173	1173	1173	1173										
5	1165	1167	1169	1170	1169	1167	1166	1165										
10	1147	1152	1156	1158	1155	1153	1151	1148										
15	1116	1127	1135	1135	1129	1128	1127	1120										
20	1073	1090	1104	1101	1089	1091	1094	1081										
25	1020	1040	1062	1054	1038	1042	1052	1029										
30	959	979	1005	991	979	980	995	965										
35	872	899	928	911	897	895	910	878										
40	741	777	811	793	770	765	780	741										
45	556	599	630	615	588	577	591	556										
50	375	443	466	446	400	424	444	406										
55	260	319	347	315	268	305	335	289										
60	182	227	253	222	182	226	250	211										
65	129	171	197	168	128	172	192	162										
70	109	139	162	140	107	141	147	137										
75	99.1	112	116	116	100	113	115	115										
80	71.0	78.8	73.8	81.7	71.9	80.0	89.1	81.8										
85	36.6	41.0	45.0	42.5	37.7	40.2	48.2	40.1										
90	1.05	1.76	1.57	2.31	1.67	1.35	1.16	1.28										
95	1.17	1.31	1.38	1.28	1.32	1.44	1.51	1.42										
100	1.56	1.68	1.79	1.64	1.77	1.91	2.01	1.90										
105	2.10	2.17	2.32	2.15	2.34	2.51	2.64	2.50										
110	2.75	2.82	2.94	2.79	3.04	3.24	3.36	3.23										
115	3.51	3.56	3.70	3.53	3.85	4.05	4.19	4.05										
120	4.35	4.37	4.50	4.34	4.72	4.91	5.04	4.92										
125	5.21	5.22	5.33	5.19	5.62	5.79	5.90	5.81										
130	6.04	6.07	6.15	6.02	6.49	6.62	6.73	6.65										
135	6.80	6.85	6.91	6.80	7.28	7.38	7.48	7.42										
140	7.50	7.58	7.61	7.52	7.99	8.09	8.17	8.13										
145	8.20	8.29	8.29	8.21	8.64	8.77	8.83	8.84										
150	8.89	9.02	9.00	8.89	9.33	9.43	9.51	9.55										
155	9.68	9.79	9.76	9.61	10.1	10.1	10.2	10.3										
160	10.5	10.6	10.5	10.4	10.8	10.8	10.9	11.0										
165	11.3	11.2	11.2	11.1	11.5	11.4	11.6	11.6										
170	12.0	11.8	11.8	11.6	12.2	11.9	12.0	12.0										
175	12.5	12.1	12.3	12.0	12.6	12.2	12.4	12.2										
180	12.7	12.3	12.5	12.3	12.7	12.3	12.5	12.3										

C Range: 0 - 360DEG

C Interval: 45.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:lianghaizhu-2

Test Date:2025-07-28

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: