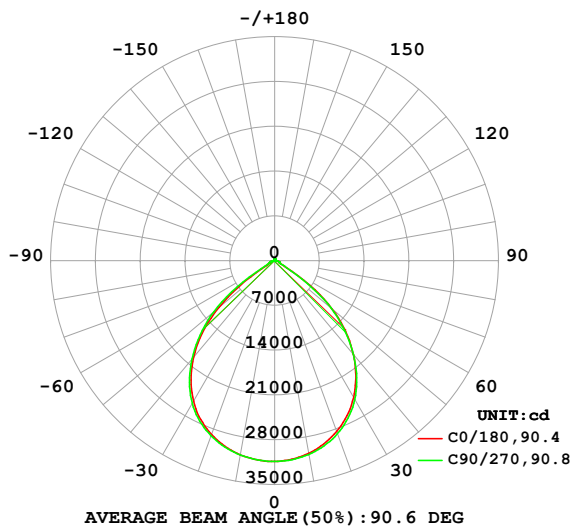


LUMINAIRE PHOTOMETRIC TEST REPORT

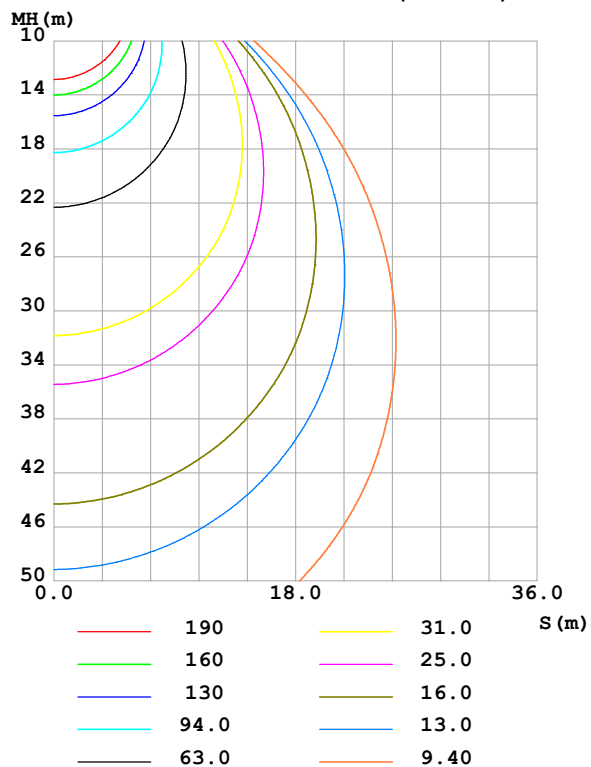
Test:U:200.23V I:1.6135A P:319.92W PF:0.9903 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58552.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-320	TYPE:	WEIGHT:
SPEC.: 320W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.52*0.37m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 183.02 lm/W			
MODEL	ASD-WHB5BHV-NEOX-320	I _{max} (cd)	31401	S/MH(C0/180)	1.20
NOMINAL POWER(W)	320	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	200	TOTAL FLUX(lm)	58552	η UP,DN(C0-180)	0.6,48.9
NOMINAL FLUX(lm)	58552.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.8
LAMPS INSIDE	1	η up (%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	200	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: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-04-28

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	3059	3066	3077	3080	3083	3085	3084	3068	0- 10	2966	2966	5.06,5.06
20	2839	2856	2878	2883	2890	2905	2912	2867	10- 20	8443	11408	19.5,19.5
30	2471	2473	2507	2513	2537	2552	2577	2505	20- 30	12509	23917	40.8,40.8
40	1917	1893	1917	1924	1971	1991	2009	1943	30- 40	14039	37957	64.8,64.8
50	1175	1141	1150	1124	1139	1205	1246	1203	40- 50	12123	50080	85.5,85.5
60	180.6	212.6	180.0	187.9	132.2	228.4	174.0	233.3	50- 60	5873	55953	95.6,95.6
70	73.75	78.83	76.29	87.23	84.18	87.75	80.98	80.02	60- 70	1086	57038	97.4,97.4
80	34.22	30.16	40.04	33.14	35.04	32.77	40.53	29.86	70- 80	587.8	57626	98.4,98.4
90	0.9444	1.249	1.812	0.9137	1.034	1.076	1.045	1.014	80- 90	154.7	57781	98.7,98.7
100	2.259	2.472	2.561	2.509	2.951	2.961	2.923	2.810	90-100	18.24	57799	98.7,98.7
110	5.396	5.674	5.849	5.741	6.499	6.474	6.427	6.272	100-110	44.63	57844	98.8,98.8
120	9.924	10.17	10.41	10.23	11.29	11.20	11.19	11.04	110-120	82.09	57926	98.9,98.9
130	14.62	14.80	15.09	14.82	16.09	15.97	16.05	15.86	120-130	116.8	58043	99.1,99.1
140	18.82	19.09	19.21	19.06	20.36	20.29	20.29	20.22	130-140	135.8	58178	99.4,99.4
150	23.12	23.46	23.56	23.40	24.71	24.54	24.56	24.49	140-150	136.1	58315	99.6,99.6
160	28.07	28.28	28.37	28.13	29.19	28.86	28.97	29.00	150-160	121.2	58436	99.8,99.8
170	31.98	31.63	31.91	31.44	32.50	31.79	32.21	32.00	160-170	85.67	58521	99.9,99.9
180	33.71	33.10	33.54	33.09	33.72	33.10	33.52	33.08	170-180	31.02	58552	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 44496 lm

%lum = 76.0%

%lamp = 76.0%

Conical surface Flux(130deg): 56592 lm

%lum = 96.7%

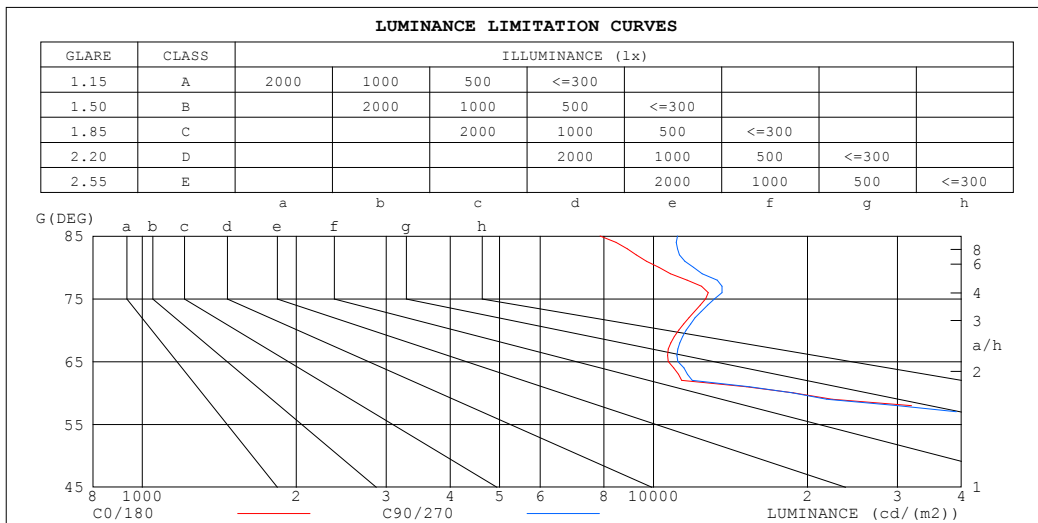
%lamp = 96.7%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:lianghaizhu-2
 Test Date:2025-04-28

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:200.23V I:1.6135A P:319.92W PF:0.9903 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58552.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-320	TYPE:	WEIGHT:
SPEC.: 320W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.52*0.37m	Shielding Angle:

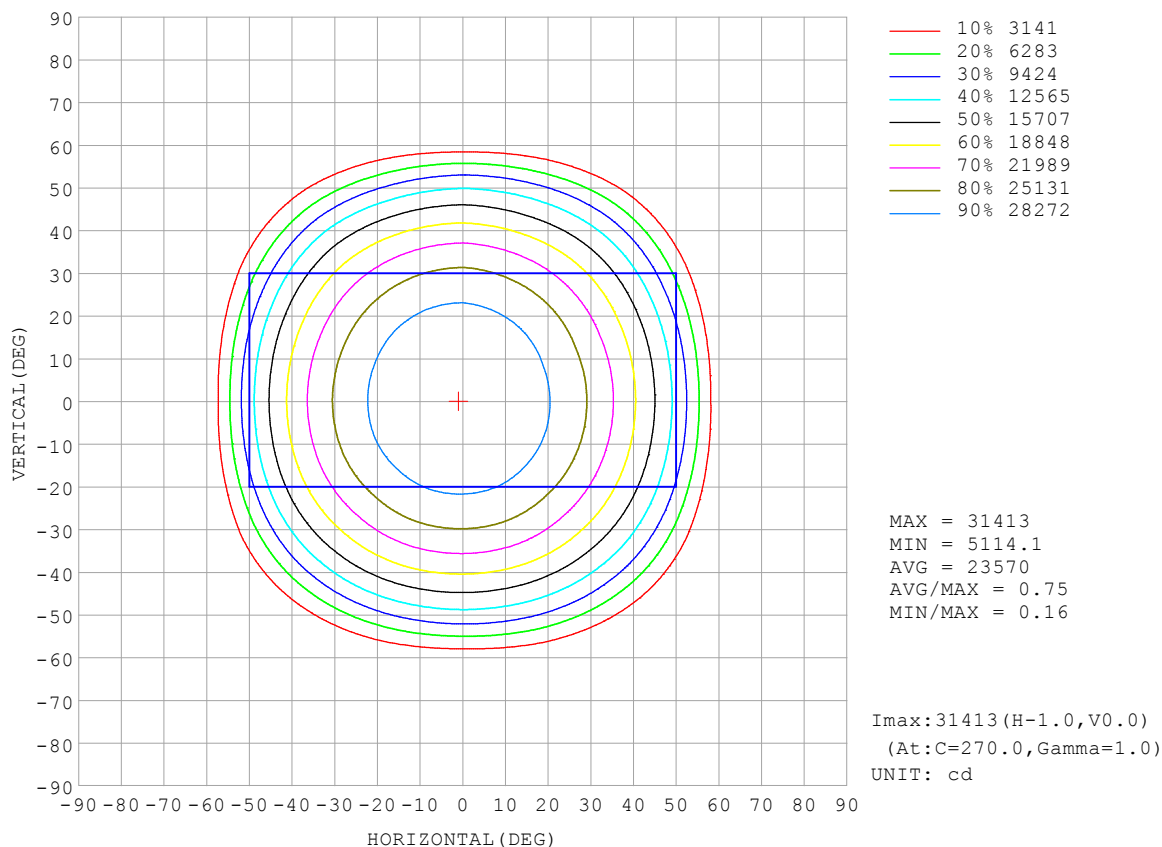


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-04-28

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:200.23V I:1.6135A P:319.92W PF:0.9903 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58552.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-320	TYPE:	WEIGHT:
SPEC.: 320W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.52*0.37m	Shielding Angle:

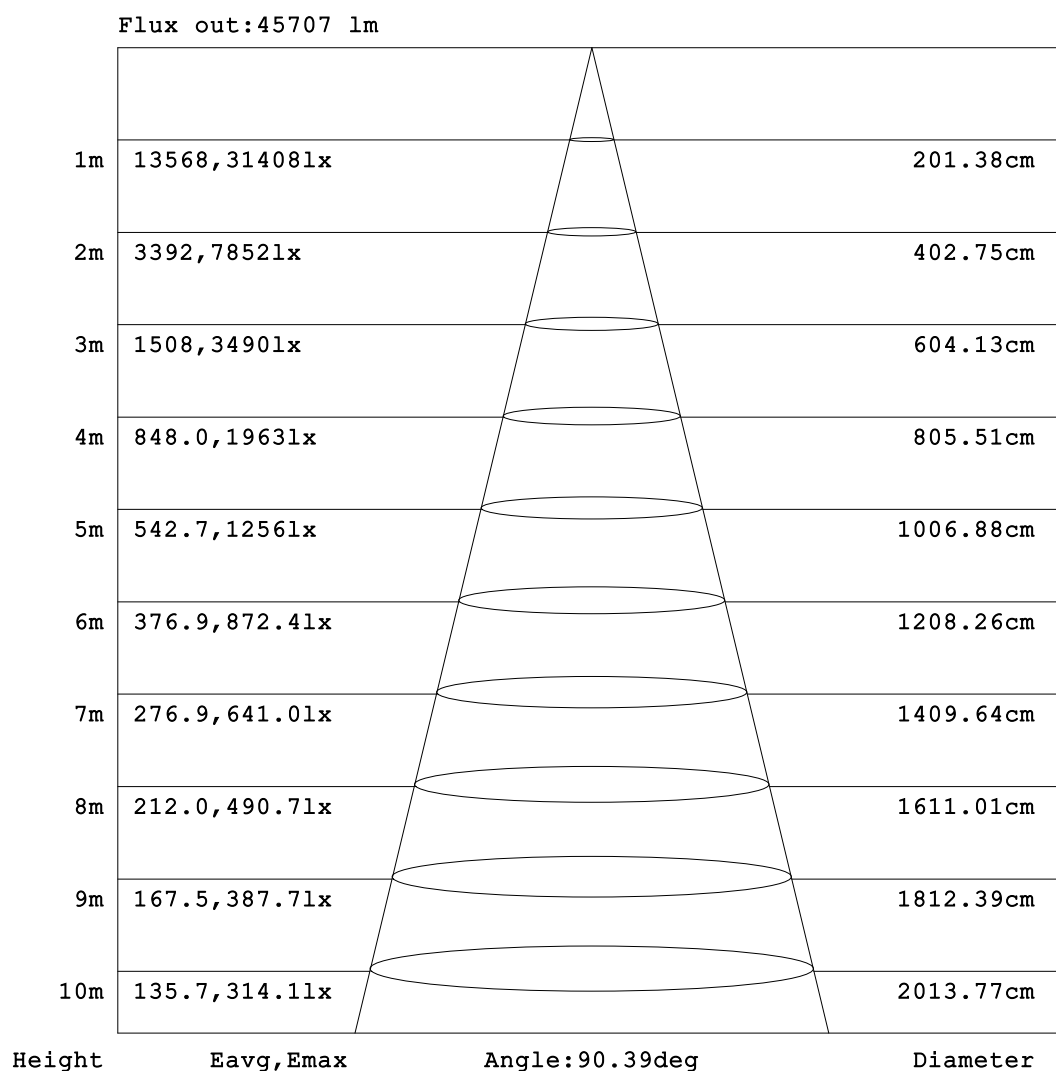


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-04-28

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:200.23V I:1.6135A P:319.92W PF:0.9903 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58552.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-320	TYPE:	WEIGHT:
SPEC.: 320W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.52*0.37m	Shielding Angle:



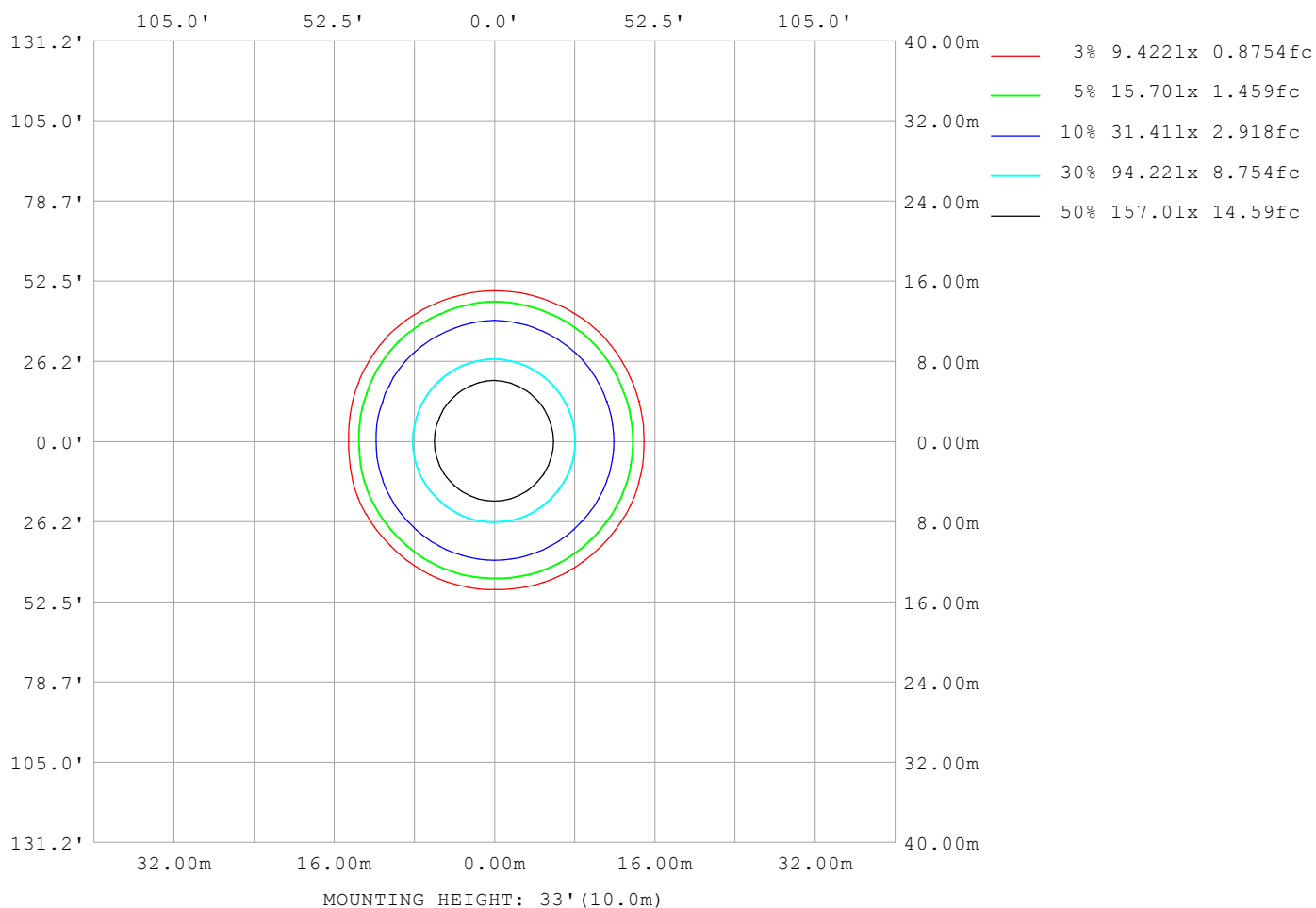
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-04-28

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

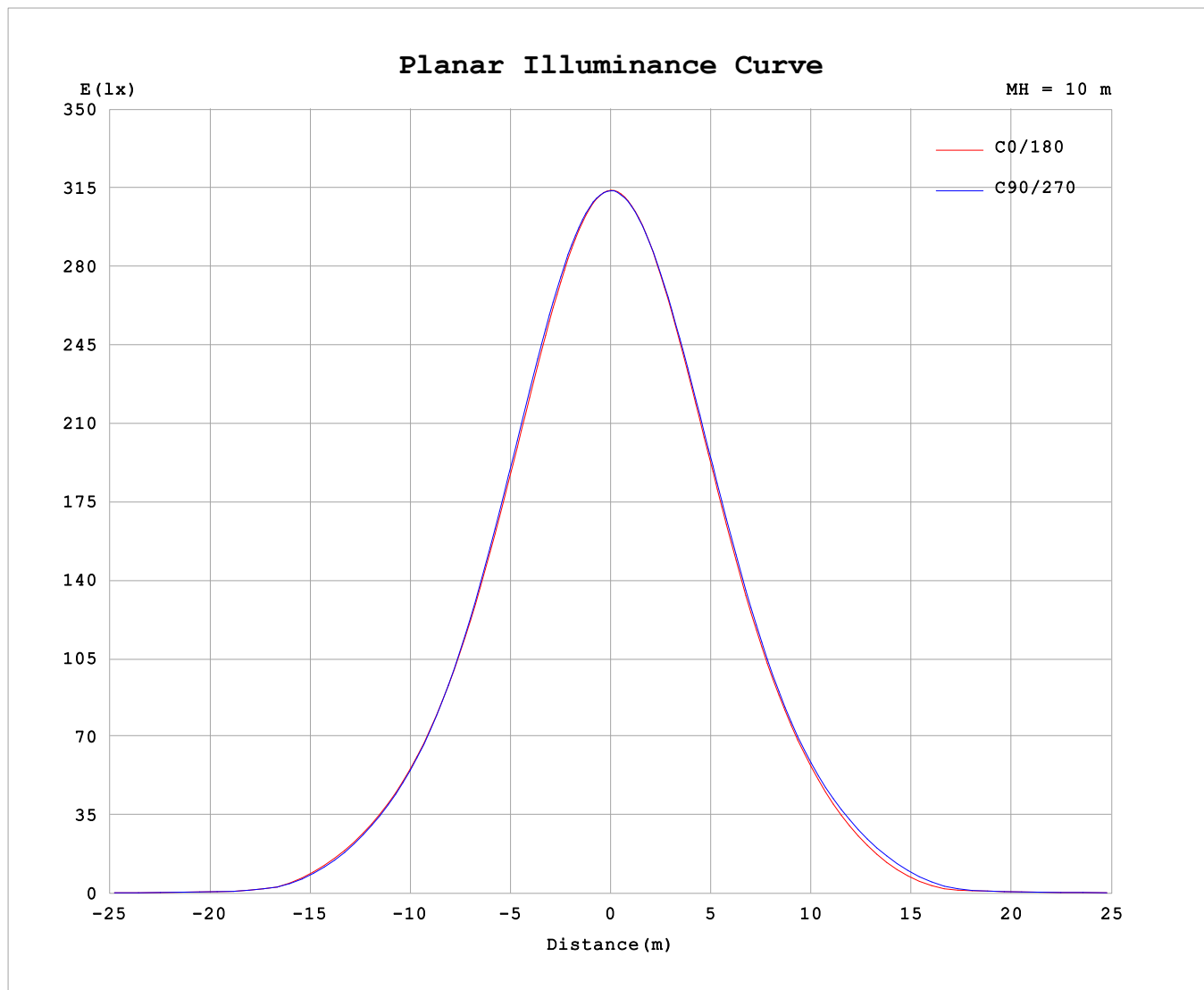
Test:U:200.23V I:1.6135A P:319.92W PF:0.9903 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58552.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-320	TYPE:	WEIGHT:
SPEC.: 320W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.52*0.37m	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-04-28

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: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-04-28

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:200.23V I:1.6135A P:319.92W PF:0.9903 Freq:60.01Hz																	
UTHDi:0.00% ITHDi:0.00% KDisp:0									Lamp Flux:58552.5x1 lm								
NAME: ASD-WHB5BHV-NEOX-320									TYPE:						WEIGHT:		
SPEC.: 320W-5000K									DIM.:						SERIAL No.:		
MFR.: ASD Lighting Corp.									SUR.: 0.52*0.37m						Shielding Angle:		

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139			
5	3116	3119	3119	3120	3124	3125	3127	3128	3126	3127	3127	3123	3126	3122	3120	3116			
10	3059	3061	3066	3071	3077	3079	3080	3084	3083	3083	3085	3084	3084	3076	3068	3060			
15	2966	2973	2977	2991	2996	3001	3001	3006	3005	3005	3013	3014	3015	3001	2985	2968			
20	2839	2847	2856	2870	2878	2885	2883	2892	2890	2893	2905	2908	2912	2890	2867	2843			
25	2675	2682	2689	2707	2719	2726	2725	2735	2738	2740	2755	2762	2770	2738	2711	2680			
30	2471	2469	2473	2495	2507	2514	2513	2532	2537	2536	2552	2565	2577	2537	2505	2473			
35	2216	2208	2206	2229	2239	2246	2244	2271	2281	2279	2296	2308	2324	2280	2248	2215			
40	1917	1904	1893	1909	1917	1924	1924	1956	1971	1970	1991	1994	2009	1968	1943	1915			
45	1572	1559	1539	1548	1556	1559	1559	1590	1601	1606	1637	1630	1650	1608	1596	1570			
50	1175	1164	1141	1150	1150	1139	1124	1138	1139	1153	1205	1205	1246	1214	1203	1174			
55	672	683	658	656	630	628	607	612	574	631	680	685	717	707	714	680			
60	181	224	213	203	180	190	188	197	132	205	228	217	174	221	233	212			
65	86.8	92.4	103	98.0	90.7	103	110	101	95.8	100	113	103	96.6	99.9	107	90.0			
70	73.7	69.5	78.8	75.5	76.3	80.2	87.2	77.1	84.2	74.9	87.8	79.4	81.0	75.8	80.0	66.7			
75	62.9	49.9	46.1	55.8	65.6	59.4	49.1	55.5	71.9	52.3	48.1	57.1	69.6	54.2	46.5	47.2			
80	34.2	30.0	30.2	34.3	40.0	36.5	33.1	31.7	35.0	28.4	32.8	33.1	40.5	31.3	29.9	27.4			
85	13.2	11.3	14.0	15.3	18.7	15.7	14.2	11.0	11.7	9.36	12.4	13.2	17.4	12.7	12.2	9.76			
90	0.94	1.15	1.25	1.61	1.81	1.19	0.91	0.88	1.03	1.07	1.08	1.07	1.05	1.04	1.01	1.04			
95	1.30	1.36	1.46	1.48	1.50	1.48	1.47	1.40	1.76	1.80	1.79	1.81	1.76	1.75	1.68	1.66			
100	2.26	2.33	2.47	2.50	2.56	2.52	2.51	2.41	2.95	2.98	2.96	2.98	2.92	2.90	2.81	2.80			
105	3.63	3.71	3.88	3.93	4.01	3.95	3.93	3.81	4.53	4.55	4.53	4.56	4.48	4.45	4.35	4.35			
110	5.40	5.48	5.67	5.75	5.85	5.78	5.74	5.60	6.50	6.52	6.47	6.52	6.43	6.40	6.27	6.30			
115	7.55	7.61	7.83	7.92	8.04	7.94	7.89	7.74	8.81	8.82	8.76	8.81	8.73	8.70	8.56	8.61			
120	9.92	9.96	10.2	10.3	10.4	10.3	10.2	10.1	11.3	11.3	11.2	11.3	11.2	11.2	11.0	11.1			
125	12.3	12.3	12.5	12.6	12.8	12.6	12.5	12.4	13.7	13.7	13.6	13.7	13.7	13.6	13.5	13.6			
130	14.6	14.6	14.8	15.0	15.1	14.9	14.8	14.7	16.1	16.1	16.0	16.1	16.0	16.0	15.9	16.0			
135	16.8	16.8	17.0	17.1	17.2	17.1	17.0	16.9	18.3	18.3	18.2	18.3	18.2	18.2	18.1	18.2			
140	18.8	18.9	19.1	19.1	19.2	19.1	19.1	18.9	20.4	20.3	20.3	20.3	20.3	20.3	20.2	20.3			
145	20.8	21.0	21.2	21.2	21.3	21.2	21.1	20.9	22.4	22.3	22.4	22.4	22.3	22.3	22.3	22.4			
150	23.1	23.3	23.5	23.5	23.6	23.5	23.4	23.2	24.7	24.5	24.5	24.6	24.6	24.6	24.5	24.6			
155	25.6	25.8	25.9	25.9	26.0	25.9	25.8	25.6	27.1	26.8	26.8	26.9	26.8	26.8	26.8	27.0			
160	28.1	28.3	28.3	28.1	28.4	28.4	28.1	27.9	29.2	28.8	28.9	29.1	29.0	28.9	29.0	29.2			
165	30.2	30.4	30.2	30.0	30.4	30.4	30.0	29.9	31.0	30.5	30.5	30.9	30.8	30.5	30.8	31.1			
170	32.0	31.9	31.6	31.4	31.9	31.7	31.4	31.4	32.5	31.9	31.8	32.1	32.2	31.8	32.0	32.4			
175	33.1	32.8	32.6	32.4	33.0	32.6	32.5	32.6	33.4	32.8	32.7	32.8	33.1	32.6	32.8	33.0			
180	33.7	33.2	33.1	33.0	33.5	33.0	33.1	33.2	33.7	33.2	33.1	33.0	33.5	33.0	33.1	33.2			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:lianghaizhu-2

Test Date:2025-04-28

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: