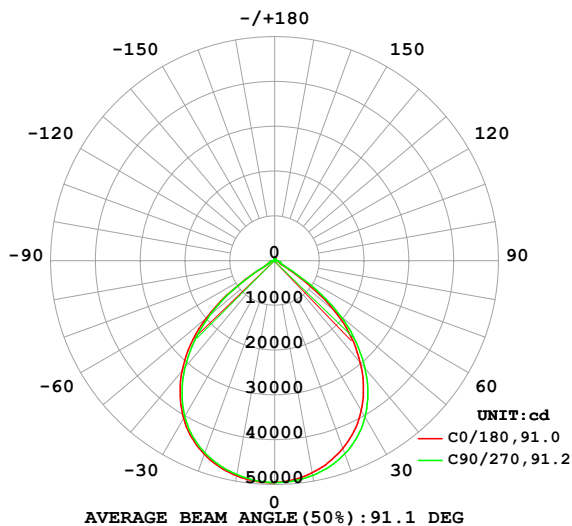


LUMINAIRE PHOTOMETRIC TEST REPORT

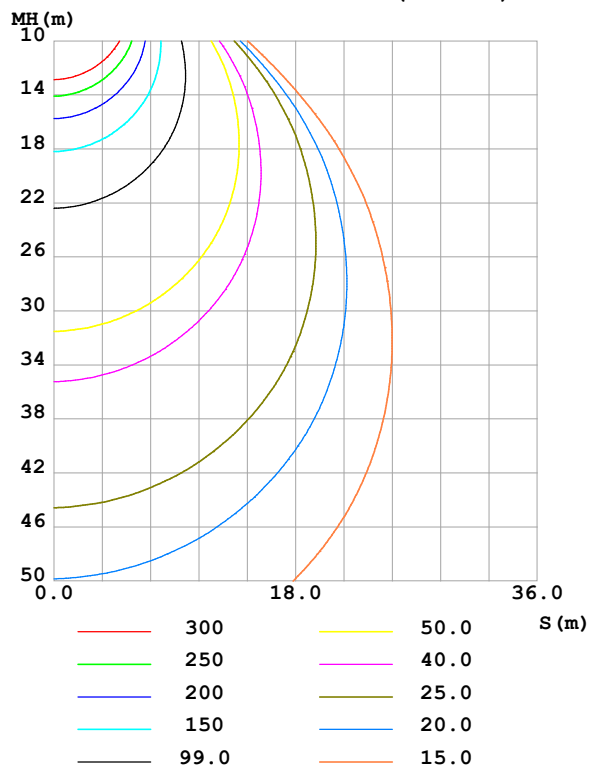
Test:U:200.12V I:2.4899A P:495.99W PF:0.9960 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:93693.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 188.90 lm/W			
MODEL	ASD-WHB5BHV-NEOX-500	Imax (cd)	49588	S/MH(C0/180)	1.22
NOMINAL POWER(W)	500	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	200	TOTAL FLUX(lm)	93694	η UP,DN(C0-180)	0.6,49.5
NOMINAL FLUX(lm)	93693.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.3
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: 2025-05-27

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	4810	4834	4873	4889	4881	4868	4851	4821	0- 10	4681	4681	5,5
20	4456	4513	4588	4615	4599	4588	4563	4486	10- 20	13335	18015	19.2,19.2
30	3869	3925	4040	4066	4067	4045	4015	3890	20- 30	19804	37820	40.4,40.4
40	2977	3019	3138	3190	3216	3169	3112	2981	30- 40	22320	60139	64.2,64.2
50	1753	1821	1913	1973	1980	1942	1877	1785	40- 50	19365	79504	84.9,84.9
60	205.8	378.9	347.6	488.4	328.6	491.3	321.3	368.6	50- 60	9808	89312	95.3,95.3
70	110.5	126.4	129.7	161.7	134.9	155.2	125.9	122.5	60- 70	1967	91279	97.4,97.4
80	44.10	46.25	67.10	56.43	57.78	53.44	61.52	43.82	70- 80	963.5	92243	98.5,98.5
90	1.690	1.975	2.717	2.016	1.723	1.901	2.113	2.147	80- 90	246.3	92489	98.7,98.7
100	3.978	4.356	4.502	3.940	4.230	4.905	5.571	5.331	90-100	32.16	92521	98.7,98.7
110	9.115	9.534	9.718	8.861	9.630	10.51	11.43	11.12	100-110	75.00	92596	98.8,98.8
120	16.22	16.28	16.35	15.48	17.08	17.71	18.56	18.37	110-120	133.0	92729	99,99
130	23.05	23.04	23.14	22.29	24.24	24.78	25.61	25.47	120-130	183.5	92913	99.2,99.2
140	29.16	29.47	29.30	28.67	30.58	31.15	31.75	32.02	130-140	209.8	93123	99.4,99.4
150	35.64	36.37	35.90	35.02	36.97	37.25	38.03	38.65	140-150	209.2	93332	99.6,99.6
160	43.03	43.35	42.73	41.89	44.03	43.58	44.17	44.92	150-160	185.0	93517	99.8,99.8
170	48.81	48.00	47.79	46.92	49.33	47.88	48.51	48.71	160-170	129.8	93647	100,100
180	51.12	49.71	50.35	49.55	51.19	49.72	50.36	49.55	170-180	46.82	93694	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 70572 lm

%lum = 75.3%

%lamp = 75.3%

Conical surface Flux(130deg): 90514 lm

%lum = 96.6%

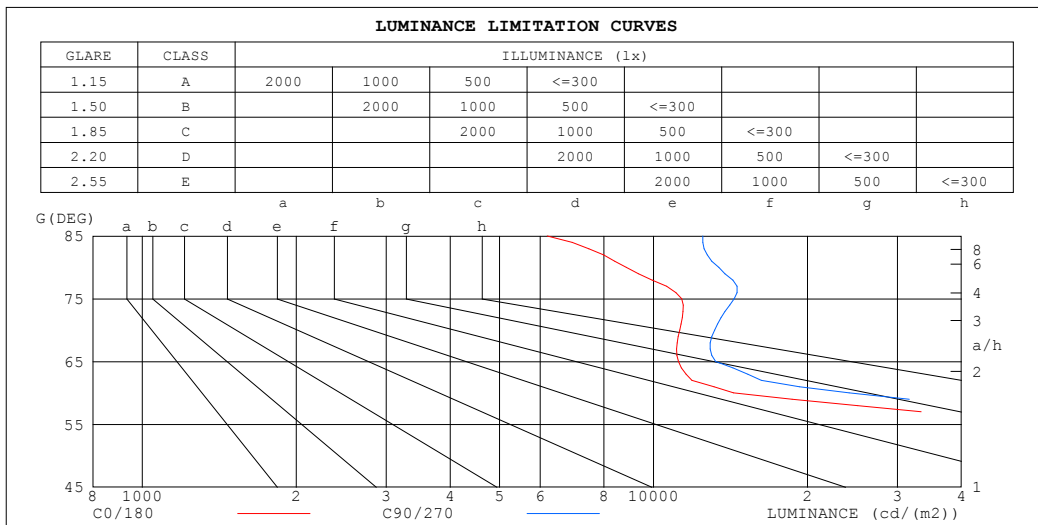
%lamp = 96.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:lianghaizhu-2
 Test Date:2025-05-27

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:200.12V I:2.4899A P:495.99W PF:0.9960 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:93693.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:



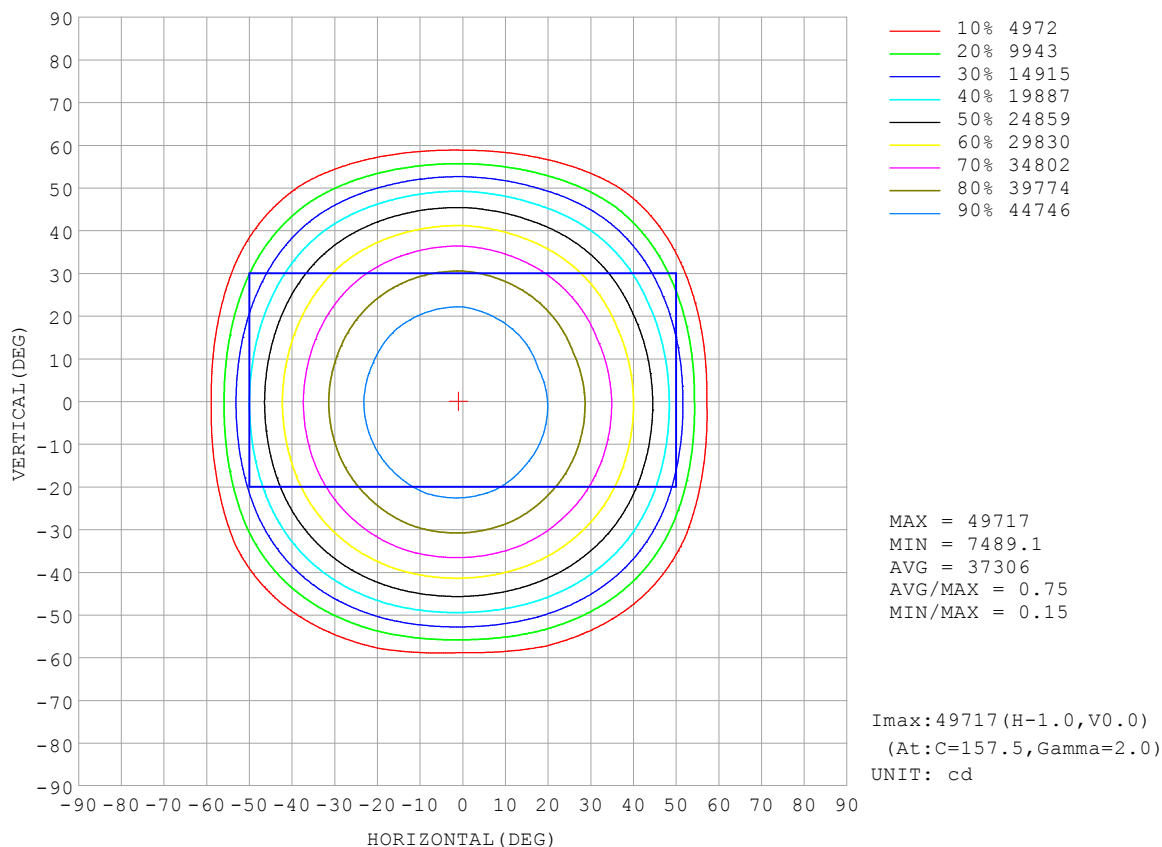
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6193	12485
80	8843	13415
75	11352	14387
70	11248	13162
65	11187	13224
60	14332	24137
55	52160	68847
50	94933	103339
45	119353	126272

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-05-27

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:200.12V I:2.4899A P:495.99W PF:0.9960 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:93693.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:

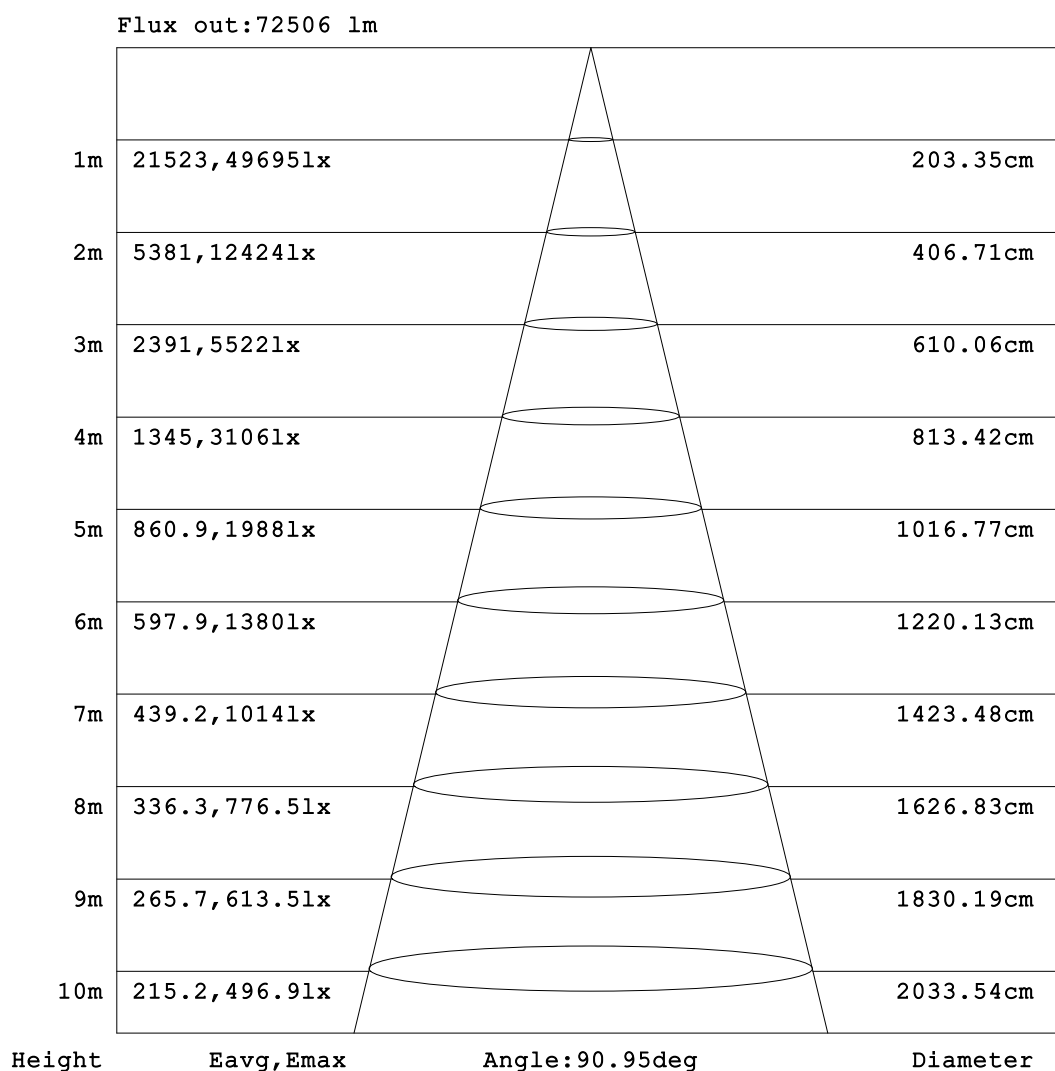


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-05-27

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:200.12V I:2.4899A P:495.99W PF:0.9960 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:93693.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:



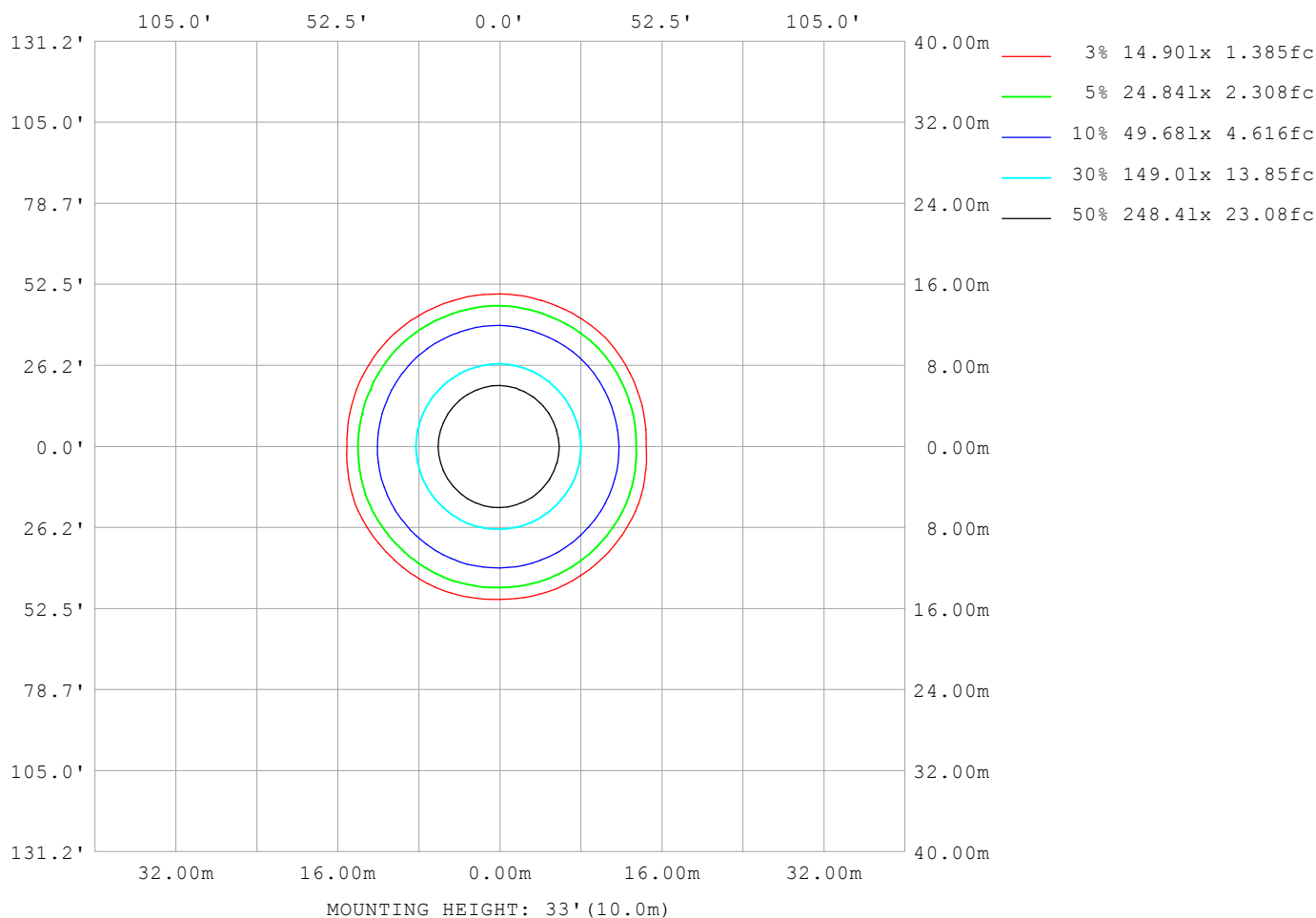
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-05-27

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

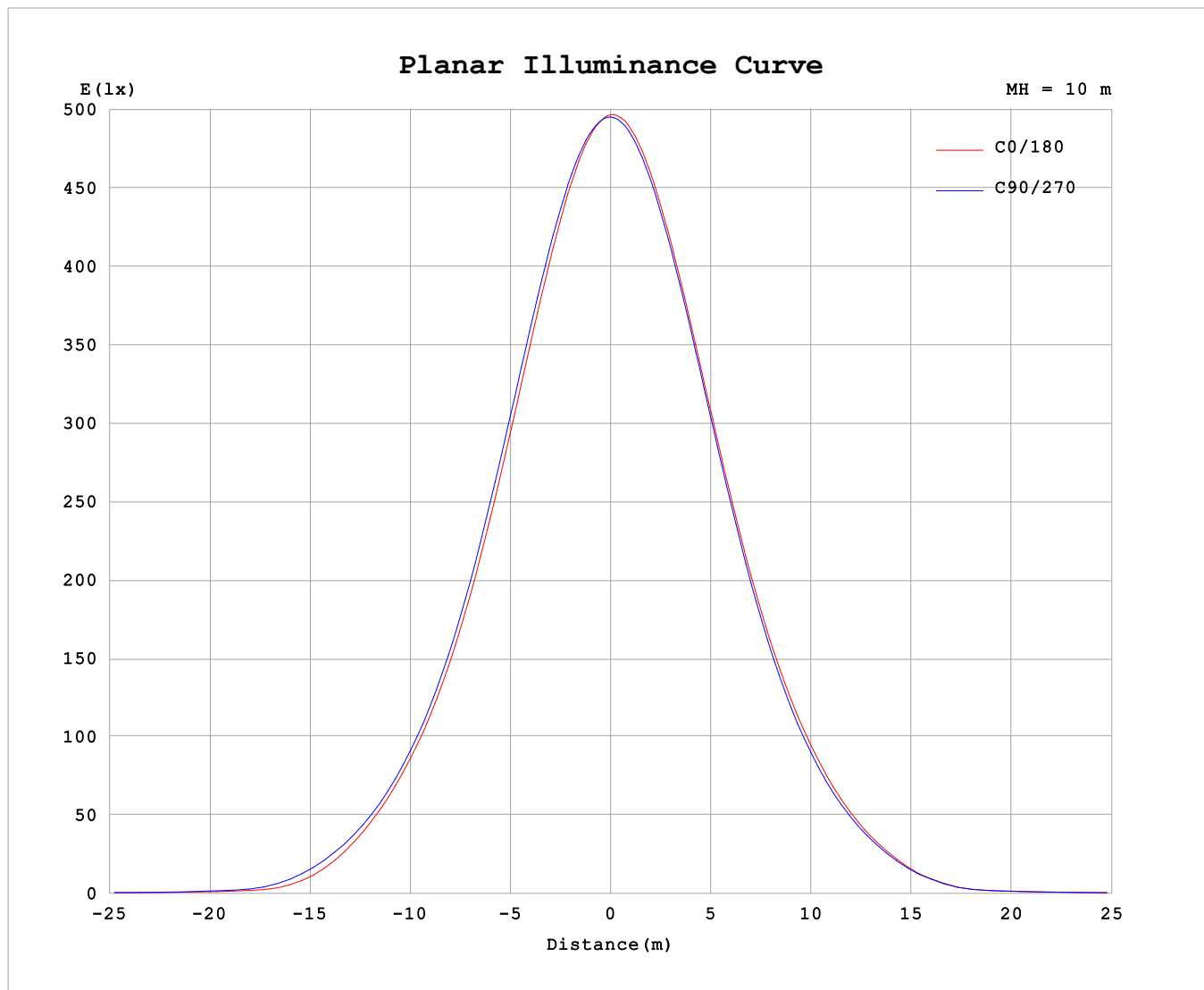
Test:U:200.12V I:2.4899A P:495.99W PF:0.9960 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:93693.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-05-27

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: 2025-05-27

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:200.12V I:2.4899A P:495.99W PF:0.9960 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:93693.5x1 lm		
NAME: ASD-WHB5BHV-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	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	4955	4955	4955	4955	4955	4955	4955	4955	4955	4955	4955	4955	4955	4955	4955	4955			
5	4911	4913	4917	4927	4934	4944	4946	4947	4944	4940	4937	4932	4926	4919	4913	4906			
10	4810	4822	4834	4857	4873	4888	4889	4890	4881	4873	4868	4859	4851	4834	4821	4808			
15	4662	4678	4701	4736	4760	4780	4780	4783	4768	4759	4755	4744	4734	4704	4679	4657			
20	4456	4483	4513	4559	4588	4616	4615	4616	4599	4586	4588	4576	4563	4520	4486	4450			
25	4200	4225	4255	4313	4353	4380	4378	4385	4369	4357	4355	4347	4333	4274	4229	4188			
30	3869	3894	3925	3993	4040	4072	4066	4080	4067	4048	4045	4033	4015	3948	3890	3853			
35	3462	3485	3514	3583	3630	3673	3670	3692	3681	3656	3648	3629	3606	3530	3474	3435			
40	2977	2997	3019	3085	3138	3182	3190	3220	3216	3183	3169	3137	3112	3028	2981	2945			
45	2424	2440	2459	2518	2572	2612	2627	2661	2660	2619	2601	2563	2534	2446	2415	2382			
50	1753	1803	1821	1877	1913	1965	1973	1996	1980	1938	1942	1894	1877	1794	1785	1739			
55	859	1006	1064	1119	1137	1204	1206	1228	1159	1162	1181	1133	1107	1053	1052	943			
60	206	323	379	432	348	489	488	513	329	456	491	419	321	366	369	295			
65	136	150	175	178	161	199	218	202	167	195	206	189	154	166	167	144			
70	110	111	126	131	130	145	162	143	135	133	155	137	126	124	123	107			
75	84.4	77.1	74.1	93.6	107	105	93.1	99.1	107	91.8	86.5	97.8	103	86.7	70.4	73.0			
80	44.1	43.0	46.2	55.5	67.1	64.0	56.4	55.7	57.8	50.6	53.4	56.8	61.5	49.6	43.8	40.1			
85	15.5	14.7	18.9	24.1	31.3	26.6	23.5	19.5	20.5	16.9	20.8	22.5	28.0	20.1	16.3	12.4			
90	1.69	1.82	1.98	2.31	2.72	2.40	2.02	1.88	1.72	1.73	1.90	2.07	2.11	2.19	2.15	2.08			
95	2.35	2.42	2.67	2.75	2.77	2.59	2.37	2.04	2.46	2.68	3.01	3.38	3.51	3.56	3.34	3.13			
100	3.98	4.05	4.36	4.47	4.50	4.24	3.94	3.52	4.23	4.51	4.91	5.39	5.57	5.62	5.33	5.09			
105	6.25	6.31	6.66	6.80	6.84	6.48	6.11	5.62	6.63	6.95	7.42	8.00	8.24	8.29	7.94	7.68			
110	9.11	9.17	9.53	9.67	9.72	9.30	8.86	8.32	9.63	9.99	10.5	11.2	11.4	11.5	11.1	10.9			
115	12.5	12.6	12.9	12.9	13.0	12.5	12.1	11.6	13.2	13.6	14.1	14.7	14.9	15.0	14.7	14.5			
120	16.2	16.1	16.3	16.4	16.4	15.9	15.5	15.2	17.1	17.4	17.7	18.3	18.6	18.7	18.4	18.3			
125	19.8	19.6	19.7	19.8	19.8	19.3	18.9	18.6	20.8	21.0	21.3	21.9	22.1	22.3	22.0	21.9			
130	23.1	22.9	23.0	23.2	23.1	22.7	22.3	21.9	24.2	24.4	24.8	25.3	25.6	25.8	25.5	25.3			
135	26.2	26.1	26.3	26.4	26.3	25.9	25.6	25.3	27.5	27.8	28.1	28.6	28.8	29.0	28.8	28.6			
140	29.2	29.3	29.5	29.5	29.3	29.0	28.7	28.4	30.6	30.9	31.1	31.6	31.8	32.1	32.0	31.9			
145	32.2	32.5	32.8	32.7	32.5	32.1	31.7	31.3	33.6	33.8	34.1	34.6	34.8	35.2	35.3	35.1			
150	35.6	36.1	36.4	36.2	35.9	35.6	35.0	34.5	37.0	36.9	37.2	37.9	38.0	38.5	38.6	38.5			
155	39.4	39.9	40.0	39.7	39.5	39.2	38.5	38.0	40.6	40.2	40.5	41.2	41.3	41.7	42.0	42.0			
160	43.0	43.6	43.4	42.8	42.7	42.5	41.9	41.5	44.0	43.3	43.6	44.2	44.2	44.4	44.9	45.4			
165	46.2	46.7	46.1	45.3	45.6	45.3	44.8	44.5	46.9	45.9	46.1	46.6	46.6	46.4	47.2	48.0			
170	48.8	48.9	48.0	47.3	47.8	47.5	46.9	47.0	49.3	48.0	47.9	48.4	48.5	48.0	48.7	49.6			
175	50.6	50.0	49.2	48.8	49.5	48.8	48.5	49.0	50.8	49.6	49.1	49.3	49.8	49.1	49.4	50.3			
180	51.1	50.4	49.7	49.7	50.3	49.6	49.6	50.3	51.2	50.4	49.7	49.6	50.4	49.5	49.6	50.3			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:lianghaizhu-2

Test Date:2025-05-27

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: