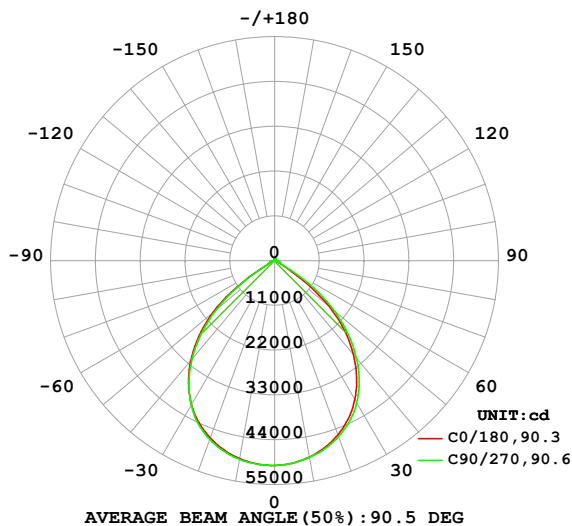


LUMINAIRE PHOTOMETRIC TEST REPORT

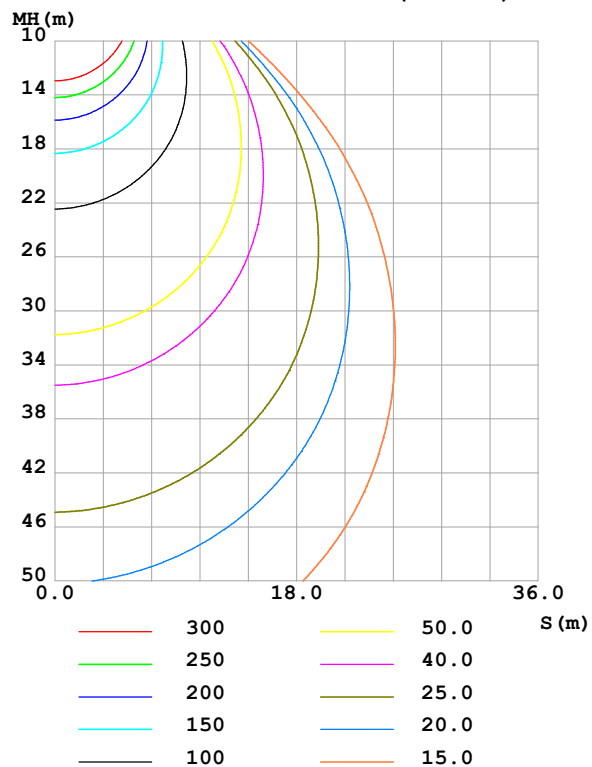
Test:U:119.89V I:4.2044A P:503.05W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:94103x1 lm		
NAME: ASD-WHB5B-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 187.07 lm/W			
MODEL	ASD-WHB5B-NEOX-500	I _{max} (cd)	50326	S/MH(C0/180)	1.21
NOMINAL POWER(W)	500	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	94103	η UP,DN(C0-180)	0.6,49.4
NOMINAL FLUX(lm)	94103	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.4
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: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-04-09

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	4899	4896	4911	4925	4938	4953	4957	4928	0- 10	4751	4751	5.05,5.05
20	4549	4547	4599	4617	4637	4669	4673	4612	10- 20	13525	18276	19.4,19.4
30	3940	3948	4036	4051	4088	4099	4101	3997	20- 30	20048	38325	40.7,40.7
40	3013	3038	3128	3164	3206	3176	3155	3047	30- 40	22504	60828	64.6,64.6
50	1748	1831	1911	1975	1970	1903	1863	1803	40- 50	19386	80214	85.2,85.2
60	200.2	411.1	365.8	474.8	283.5	396.4	266.9	339.1	50- 60	9683	89897	95.5,95.5
70	104.0	119.0	121.9	141.6	125.4	147.8	125.9	123.8	60- 70	1846	91743	97.5,97.5
80	40.02	45.01	59.85	51.78	50.79	54.21	58.24	47.19	70- 80	917.1	92660	98.5,98.5
90	1.658	1.884	2.187	1.677	1.695	1.902	2.251	2.249	80- 90	234.2	92895	98.7,98.7
100	3.889	4.152	4.399	3.947	4.182	4.986	5.641	5.286	90-100	31.73	92926	98.7,98.7
110	8.990	9.315	9.702	8.975	9.601	10.61	11.52	11.05	100-110	74.62	93001	98.8,98.8
120	16.15	16.23	16.53	15.80	17.10	17.76	18.60	18.26	110-120	133.1	93134	99,99
130	23.01	23.12	23.43	22.71	24.37	24.85	25.57	25.30	120-130	184.2	93318	99.2,99.2
140	29.30	29.61	29.59	29.08	30.81	31.28	31.74	31.83	130-140	210.7	93529	99.4,99.4
150	35.84	36.48	36.13	35.43	37.19	37.56	38.24	38.62	140-150	210.2	93739	99.6,99.6
160	43.27	43.70	43.12	42.42	44.28	43.86	44.49	44.98	150-160	186.2	93925	99.8,99.8
170	49.11	48.33	48.24	47.44	49.68	48.14	48.92	48.97	160-170	130.7	94056	99.9,99.9
180	51.53	49.97	50.75	49.96	51.55	49.99	50.77	49.98	170-180	47.17	94103	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 71292 lm

%lum = 75.8%

%lamp = 75.8%

Conical surface Flux(130deg): 91023 lm

%lum = 96.7%

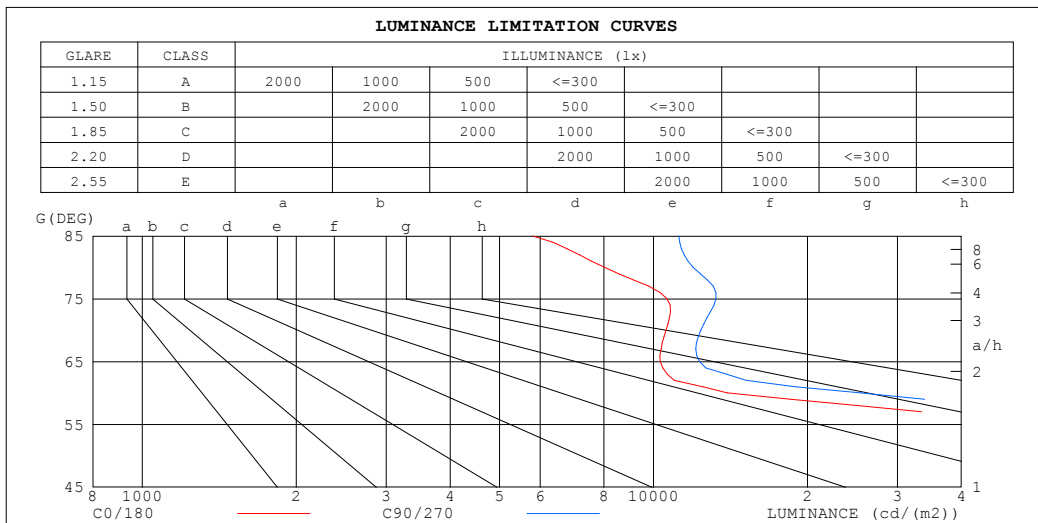
%lamp = 96.7%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-04-09

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:119.89V I:4.2044A P:503.05W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:94103x1 lm		
NAME: ASD-WHB5B-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:



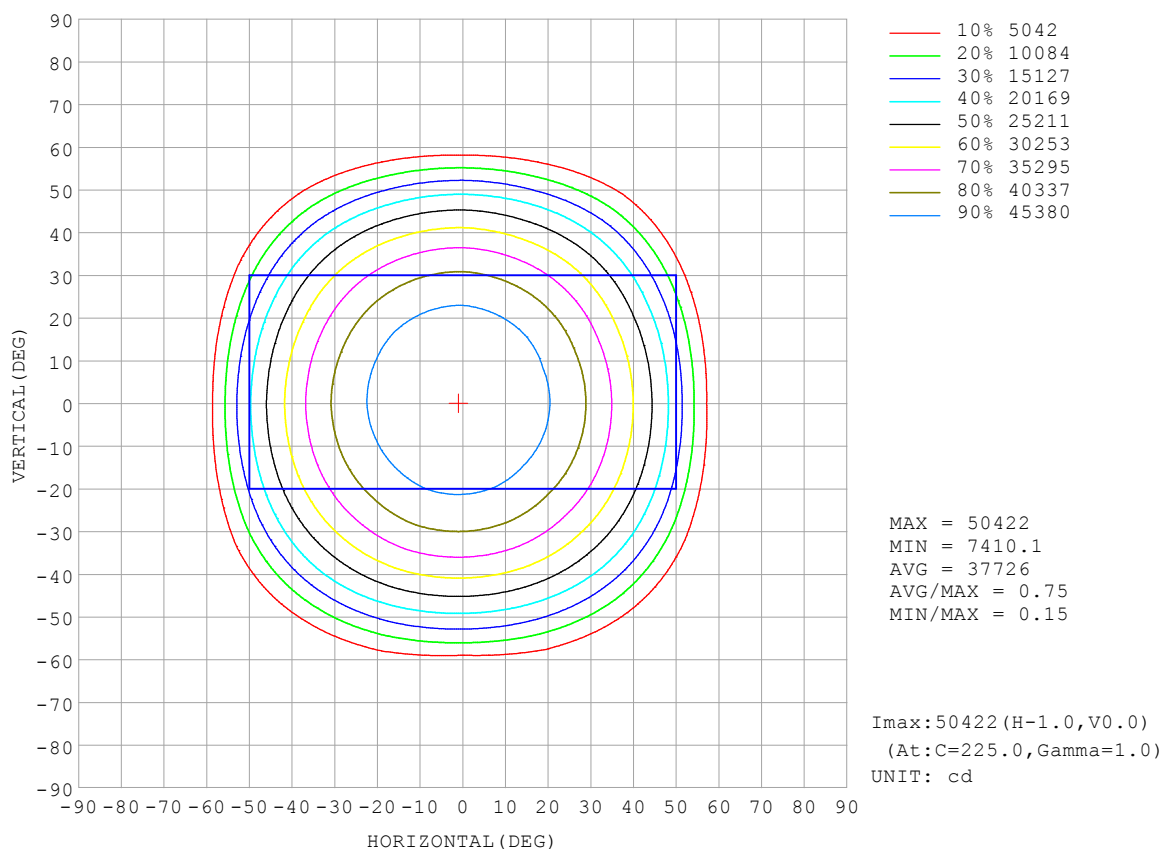
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5806	11207
80	8020	11962
75	10629	13248
70	10582	12376
65	10306	12309
60	13935	25391
55	51914	71832
50	94612	103181
45	119998	125152

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-04-09

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:119.89V I:4.2044A P:503.05W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:94103x1 lm		
NAME: ASD-WHB5B-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:

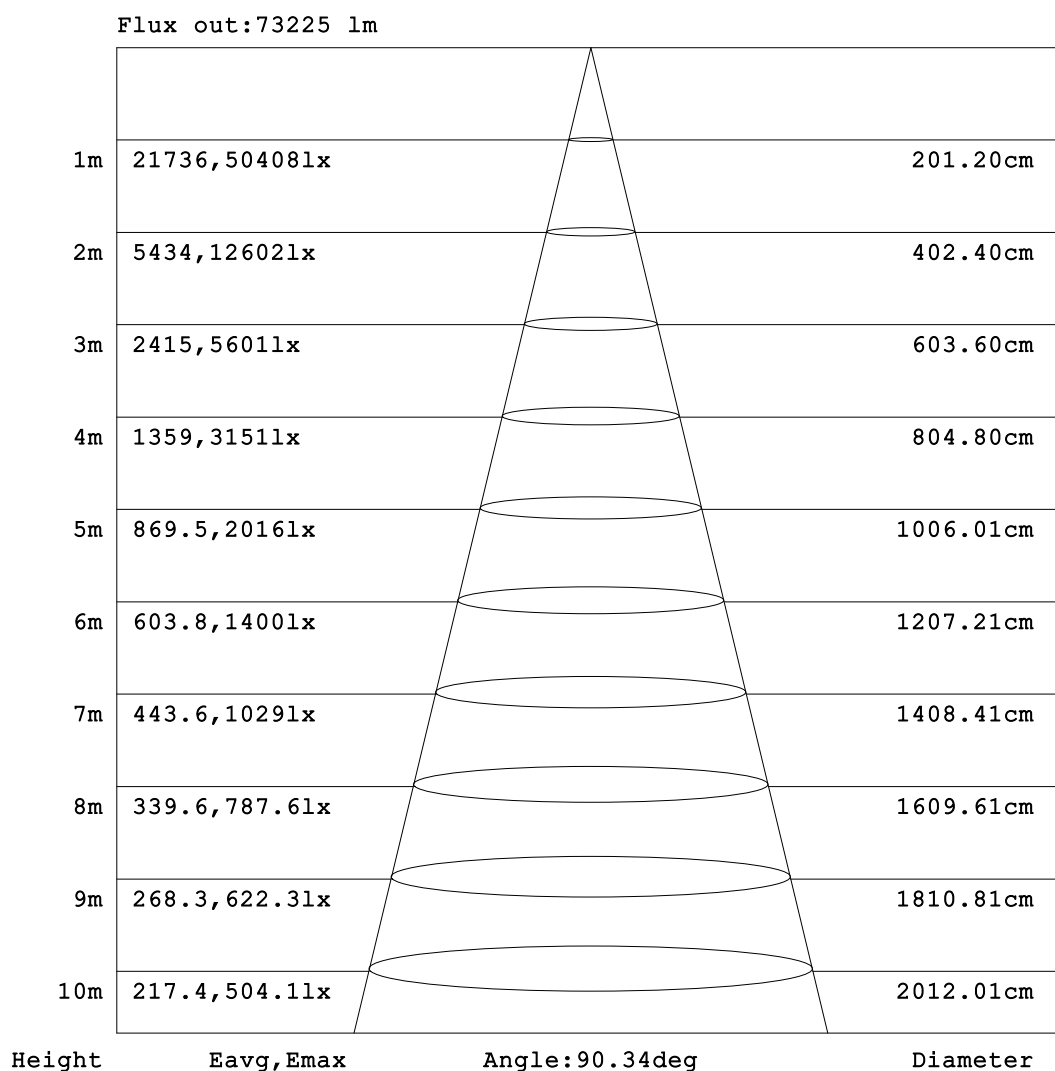


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: lianghaizhu-2
Test Date: 2025-04-09

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:119.89V I:4.2044A P:503.05W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:94103x1 lm		
NAME: ASD-WHB5B-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:



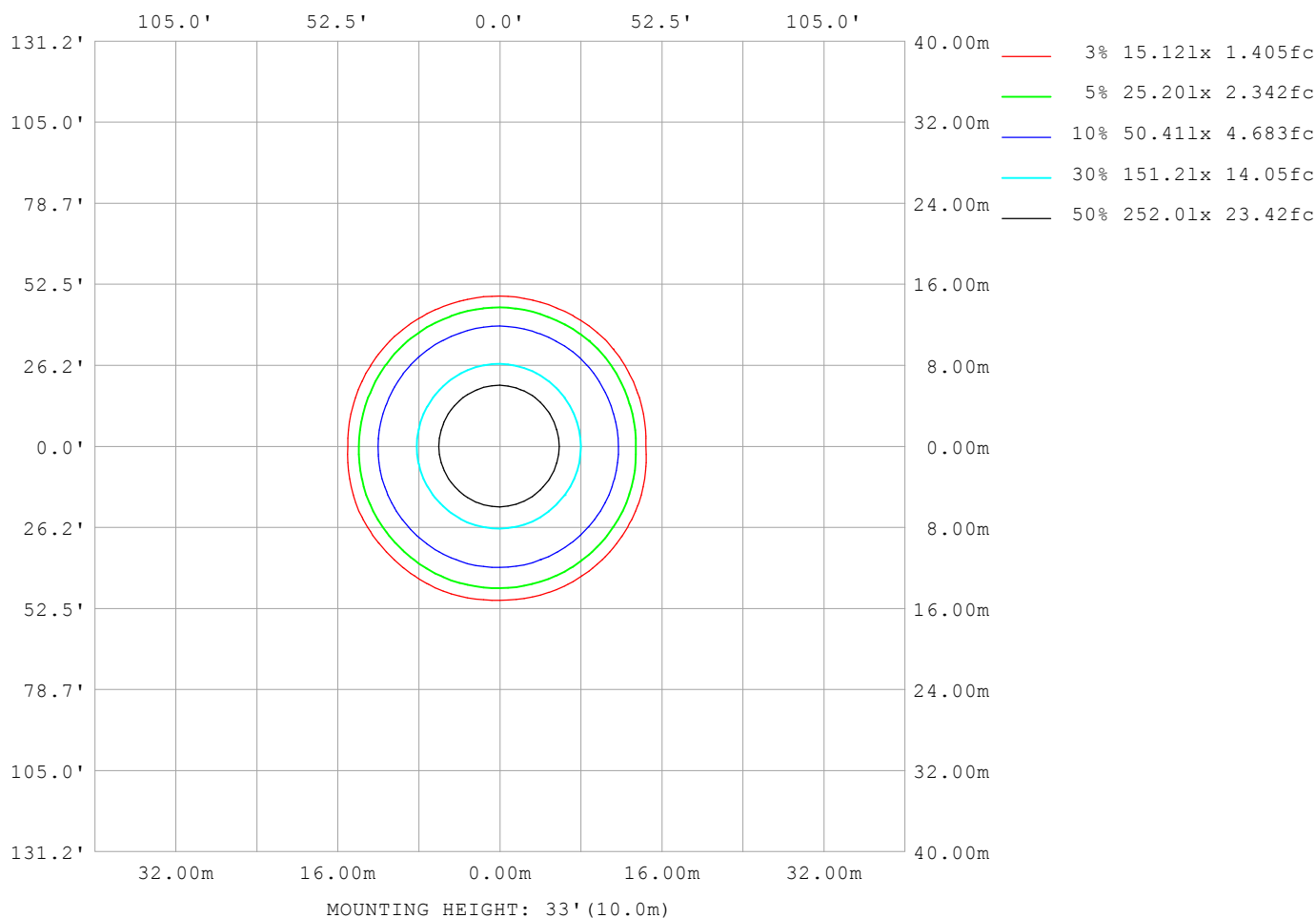
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2025-04-09

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

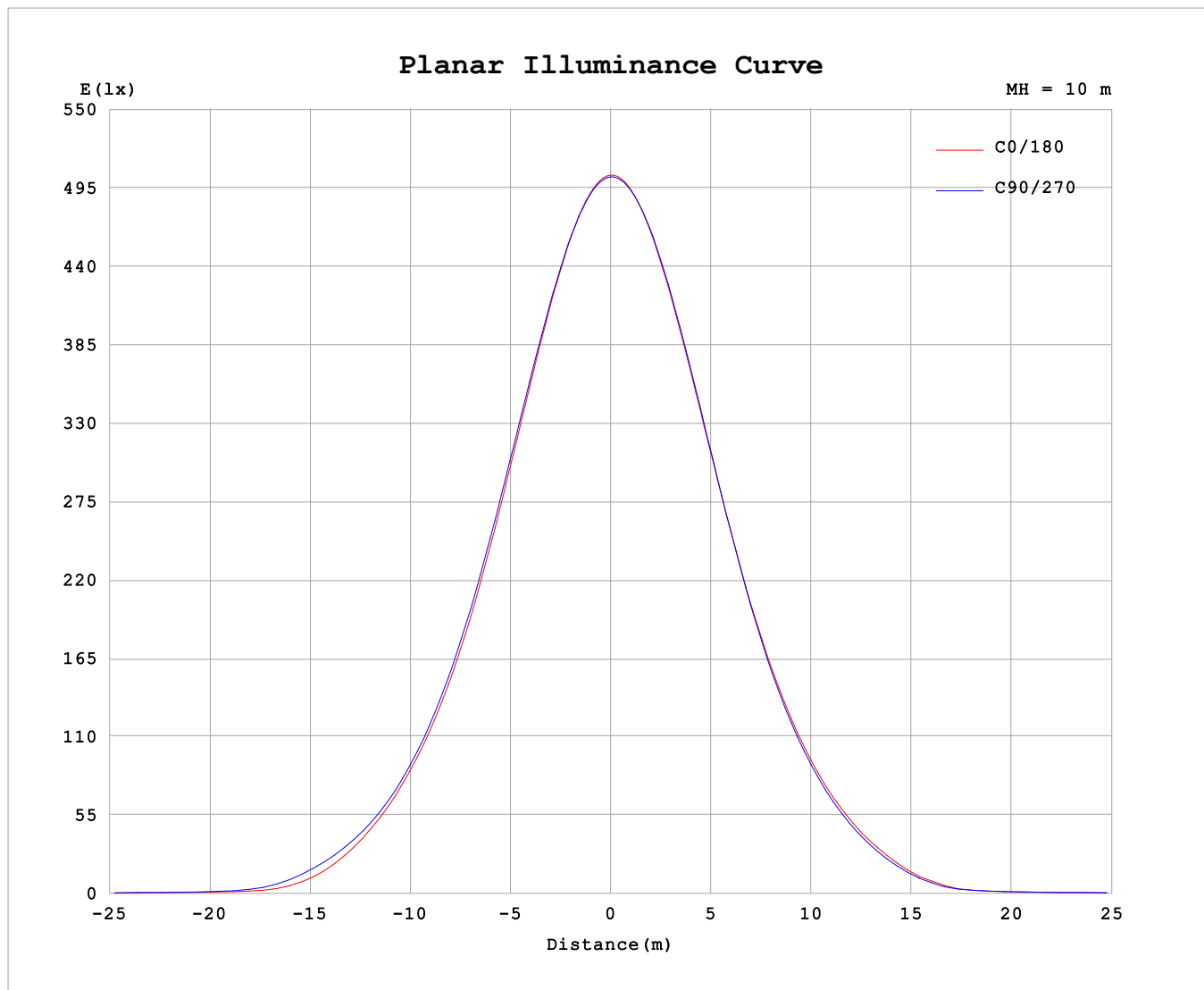
Test:U:119.89V I:4.2044A P:503.05W PF:0.9980 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:94103x1 lm		
NAME: ASD-WHB5B-NEOX-500	TYPE:	WEIGHT:
SPEC.: 500W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.9*0.32m	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: lianghaizhu-2
 Test Date: 2025-04-09

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: 2025-04-09

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:119.89V I:4.2044A P:503.05W PF:0.9980 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:94103x1 lm		
NAME: ASD-WHB5B-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	5030	5030	5030	5030	5030	5030	5030	5030	5030	5030	5030	5030	5030	5030	5030	5030			
5	4993	4991	4990	4992	4995	4999	5003	5008	5012	5013	5016	5017	5017	5010	5004	4995			
10	4899	4897	4896	4905	4911	4921	4925	4935	4938	4943	4953	4957	4957	4944	4928	4908			
15	4753	4749	4749	4768	4781	4795	4798	4811	4815	4823	4838	4845	4845	4823	4798	4768			
20	4549	4545	4547	4579	4599	4616	4617	4632	4637	4649	4669	4674	4673	4641	4612	4568			
25	4285	4280	4285	4326	4357	4374	4373	4391	4399	4404	4432	4431	4435	4386	4345	4300			
30	3940	3941	3948	4001	4036	4063	4051	4079	4088	4082	4099	4103	4101	4044	3997	3949			
35	3514	3523	3531	3590	3626	3659	3652	3680	3686	3672	3680	3678	3672	3611	3561	3514			
40	3013	3025	3038	3093	3128	3161	3164	3198	3206	3177	3176	3161	3155	3086	3047	3000			
45	2439	2456	2469	2513	2550	2583	2594	2632	2636	2594	2583	2563	2559	2487	2463	2419			
50	1748	1806	1831	1878	1911	1953	1975	1985	1970	1910	1903	1862	1863	1801	1803	1747			
55	856	1018	1105	1169	1187	1231	1220	1221	1138	1118	1109	1053	1035	1000	1012	933			
60	200	330	411	465	366	496	475	491	283	404	396	346	267	321	339	286			
65	125	140	165	169	150	178	194	177	152	182	192	177	148	168	165	141			
70	104	103	119	124	122	129	142	125	125	129	148	133	126	127	124	106			
75	79.1	71.6	72.6	88.3	98.8	92.7	83.7	87.0	96.5	89.6	84.2	94.4	105	90.5	75.3	73.2			
80	40.0	41.5	45.0	52.7	59.8	56.5	51.8	49.6	50.8	49.0	54.2	55.5	58.2	52.3	47.2	41.3			
85	14.5	14.2	18.3	22.7	28.1	23.7	20.8	17.7	18.5	16.4	19.9	21.7	26.6	21.2	18.5	13.3			
90	1.66	1.81	1.88	2.06	2.19	1.99	1.68	1.54	1.70	1.70	1.90	2.09	2.25	2.28	2.25	2.06			
95	2.29	2.31	2.51	2.60	2.66	2.53	2.36	2.04	2.44	2.70	3.08	3.46	3.57	3.57	3.31	3.06			
100	3.89	3.89	4.15	4.30	4.40	4.21	3.95	3.53	4.18	4.52	4.99	5.48	5.64	5.64	5.29	4.98			
105	6.14	6.12	6.43	6.63	6.76	6.50	6.16	5.65	6.58	6.96	7.49	8.11	8.32	8.31	7.88	7.55			
110	8.99	8.96	9.32	9.54	9.70	9.38	8.97	8.38	9.60	10.0	10.6	11.3	11.5	11.5	11.1	10.7			
115	12.4	12.4	12.7	12.9	13.0	12.7	12.3	11.7	13.2	13.6	14.2	14.8	15.0	15.0	14.6	14.4			
120	16.2	16.0	16.2	16.4	16.5	16.2	15.8	15.3	17.1	17.4	17.8	18.4	18.6	18.7	18.3	18.2			
125	19.7	19.5	19.7	19.9	20.0	19.7	19.3	18.9	20.9	21.1	21.3	21.9	22.2	22.2	21.8	21.8			
130	23.0	22.9	23.1	23.4	23.4	23.1	22.7	22.2	24.4	24.5	24.9	25.4	25.6	25.7	25.3	25.2			
135	26.2	26.2	26.5	26.6	26.6	26.3	26.0	25.6	27.7	27.9	28.2	28.6	28.7	28.9	28.6	28.5			
140	29.3	29.4	29.6	29.7	29.6	29.4	29.1	28.7	30.8	31.1	31.3	31.6	31.7	32.0	31.8	31.7			
145	32.4	32.6	32.9	32.8	32.7	32.4	32.1	31.7	33.8	34.0	34.3	34.8	34.9	35.2	35.1	35.0			
150	35.8	36.2	36.5	36.3	36.1	35.9	35.4	34.9	37.2	37.2	37.6	38.1	38.2	38.6	38.6	38.5			
155	39.6	40.1	40.2	39.9	39.8	39.5	39.0	38.4	40.8	40.5	40.9	41.5	41.6	41.8	42.0	42.1			
160	43.3	43.9	43.7	43.1	43.1	43.0	42.4	41.9	44.3	43.6	43.9	44.5	44.5	44.6	45.0	45.4			
165	46.5	47.1	46.4	45.6	46.0	45.8	45.3	45.0	47.2	46.2	46.3	46.9	47.0	46.7	47.3	48.1			
170	49.1	49.3	48.3	47.6	48.2	48.0	47.4	47.4	49.7	48.3	48.1	48.7	48.9	48.3	49.0	49.9			
175	51.0	50.4	49.5	49.1	49.9	49.3	49.0	49.4	51.2	49.9	49.4	49.7	50.2	49.4	49.8	50.6			
180	51.5	50.8	50.0	50.0	50.7	50.0	50.0	50.6	51.6	50.7	50.0	49.9	50.8	49.9	50.0	50.6			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:lianghaizhu-2

Test Date:2025-04-09

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: