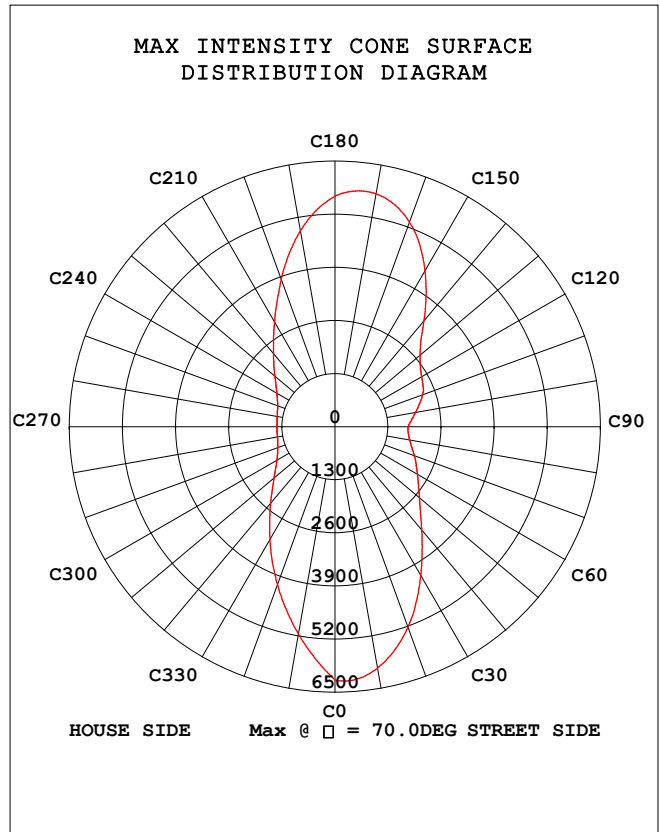
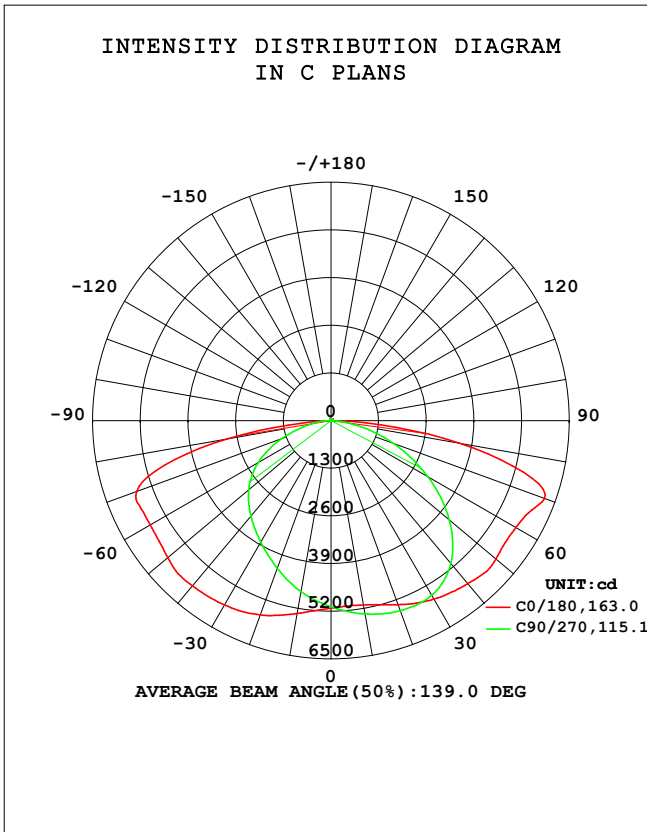


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:120.3V I:1.243A P:148.3W PF:0.9893 Freq:59.99Hz Lamp Flux:22397.8x1 lm		
NAME: ASD-LSB5-150D50BR	TYPE:	WEIGHT:
SPEC.:N/A	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.02 lm/W			
MODEL	ASD-LSB5-150D50BR	Imax (cd)	6200	<input type="checkbox"/> street_up (%)	0.4
NOMINAL POWER (W)	150	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	55.7
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	22398	<input type="checkbox"/> house_up (%)	0.5
NOMINAL FLUX (lm)	22397.8	MAXIMUM @ (C, <input type="checkbox"/> )	0,70.0	<input type="checkbox"/> house_down (%)	43.4
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.9	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	99.1	SLI	25.165

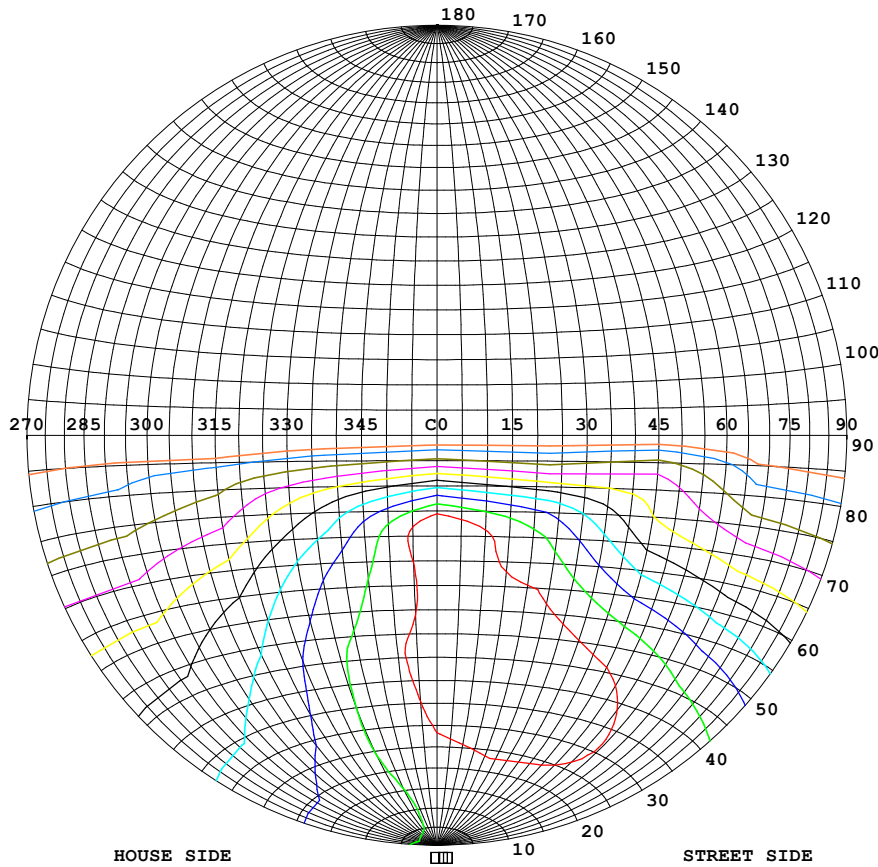


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2023-10-27

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:120.3V I:1.243A P:148.3W PF:0.9893 Freq:59.99Hz Lamp Flux:22397.8x1 lm		
NAME: ASD-LSB5-150D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



**Classification:**

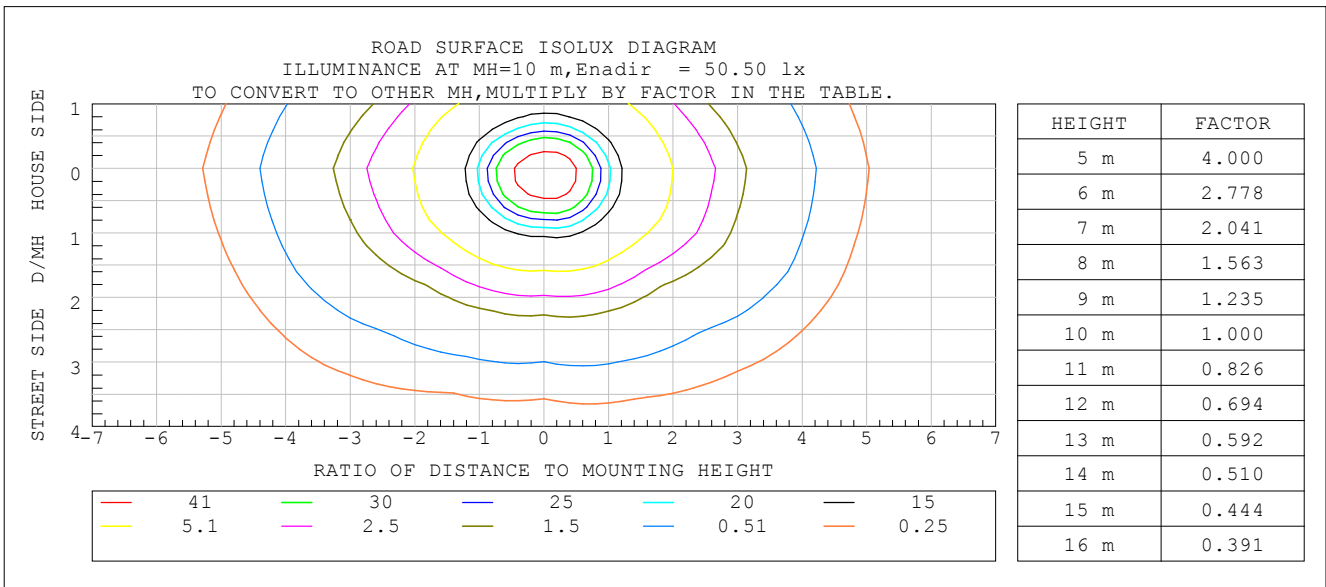
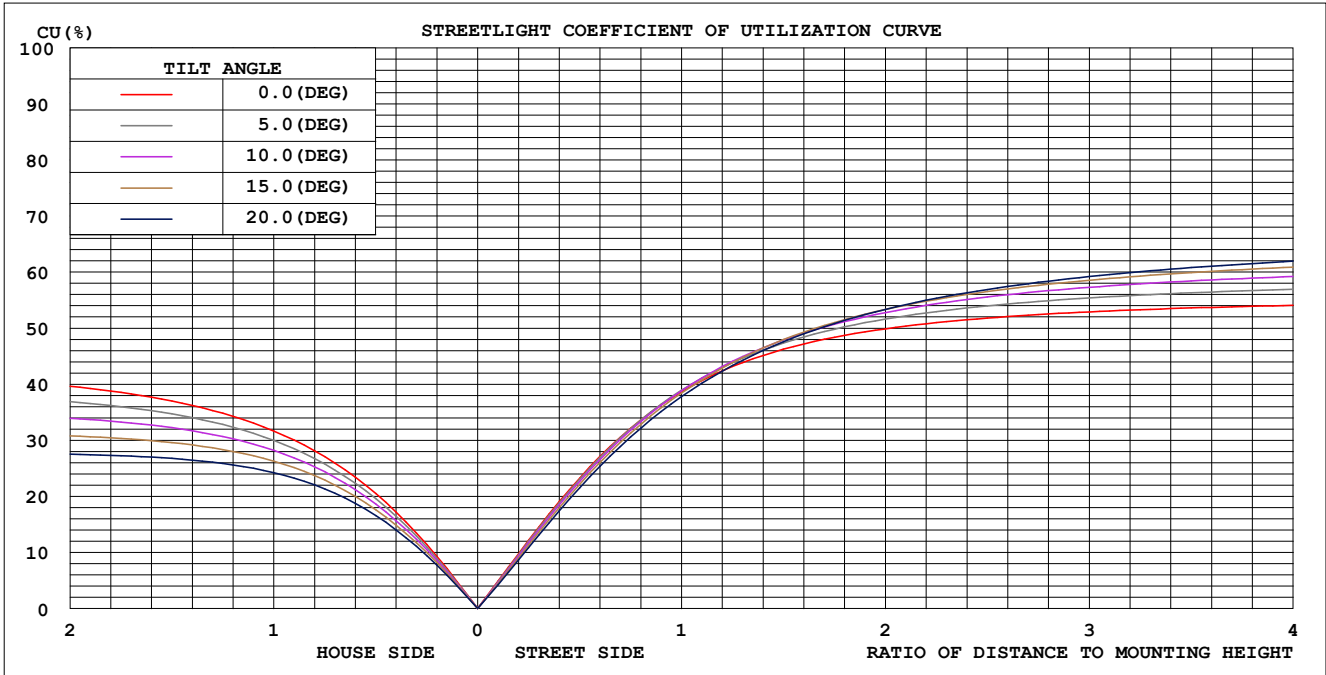
IES:Type VS - Medium  
 CIE:Narrow - Long  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:159.7cd/klm  
 Max.At90:3.924cd/klm  
 Max.80-90:159.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6200
90%	5580
80%	4960
70%	4340
60%	3720
50%	3100
40%	2480
30%	1860
20%	1240
10%	620
5%	310

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-10-27

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: lianghaizhu  
Test Date: 2023-10-27

□ Range: 0 - 180DEG  
□ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity: 56%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:120.3V I:1.243A P:148.3W PF:0.9893 Freq:59.99Hz Lamp Flux:22397.8x1 lm		
NAME: ASD-LSB5-150D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

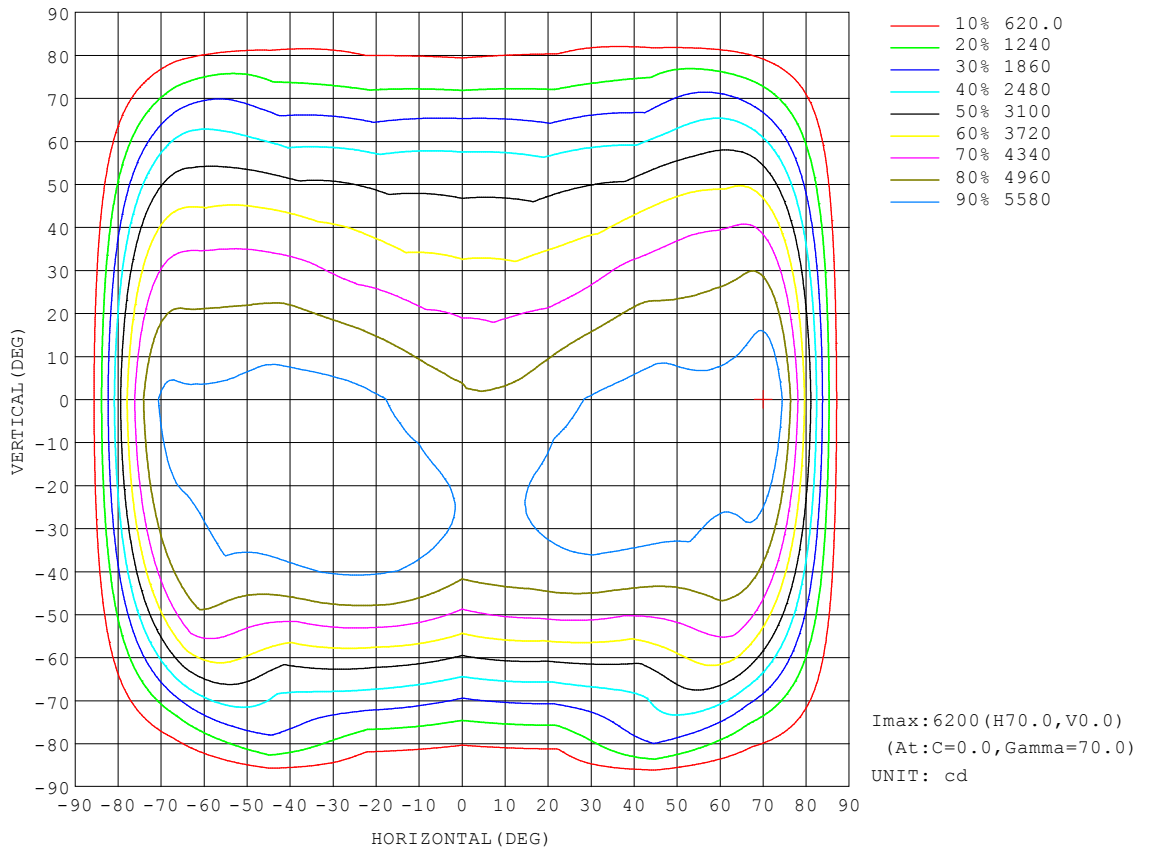
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum,lamp
10	5105	5257	5353	5408	5340	4979	4736	4792	0- 10	486.5	486.5	2.17,2.17
20	5342	5484	5521	5791	5640	4810	4290	4575	10- 20	1460	1946	8.69,8.69
30	5617	5706	5495	6043	5805	4543	3831	4303	20- 30	2397	4344	19.4,19.4
40	5807	5758	5082	6046	5881	4161	3402	3981	30- 40	3205	7549	33.7,33.7
50	5871	5333	4212	5585	5814	3780	2936	3656	40- 50	3769	11318	50.5,50.5
60	5824	4288	3042	4456	5696	3098	2297	3087	50- 60	3894	15212	67.9,67.9
70	6200	2961	1795	2977	5642	2119	1424	2173	60- 70	3553	18765	83.8,83.8
80	3577	2228	658.3	2045	2846	1072	575.2	1155	70- 80	2638	21403	95.6,95.6
90	63.31	87.89	9.948	69.12	22.57	17.40	12.82	18.70	80- 90	794.9	22198	99.1,99.1
100	25.53	17.47	12.69	16.77	28.00	22.66	18.29	24.53	90-100	20.59	22219	99.2,99.2
110	30.76	22.38	16.93	21.04	32.72	28.01	24.61	30.80	100-110	24.65	22243	99.3,99.3
120	35.31	27.55	21.59	25.48	36.83	33.01	30.70	36.49	110-120	28.06	22271	99.4,99.4
130	40.63	32.75	26.80	30.46	42.13	38.29	36.42	41.68	120-130	29.94	22301	99.6,99.6
140	45.81	37.61	31.89	35.50	46.30	42.82	41.53	45.58	130-140	29.81	22331	99.7,99.7
150	48.59	41.67	37.27	39.74	48.50	46.44	46.00	48.34	140-150	26.80	22358	99.8,99.8
160	50.16	45.25	42.47	43.79	50.39	49.40	49.74	50.52	150-160	21.28	22379	99.9,99.9
170	51.48	48.34	47.05	47.65	51.74	50.93	51.54	51.49	160-170	13.83	22393	100,100
180	52.09	50.47	50.39	50.48	52.19	50.52	50.45	50.48	170-180	4.802	22398	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-10-27

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

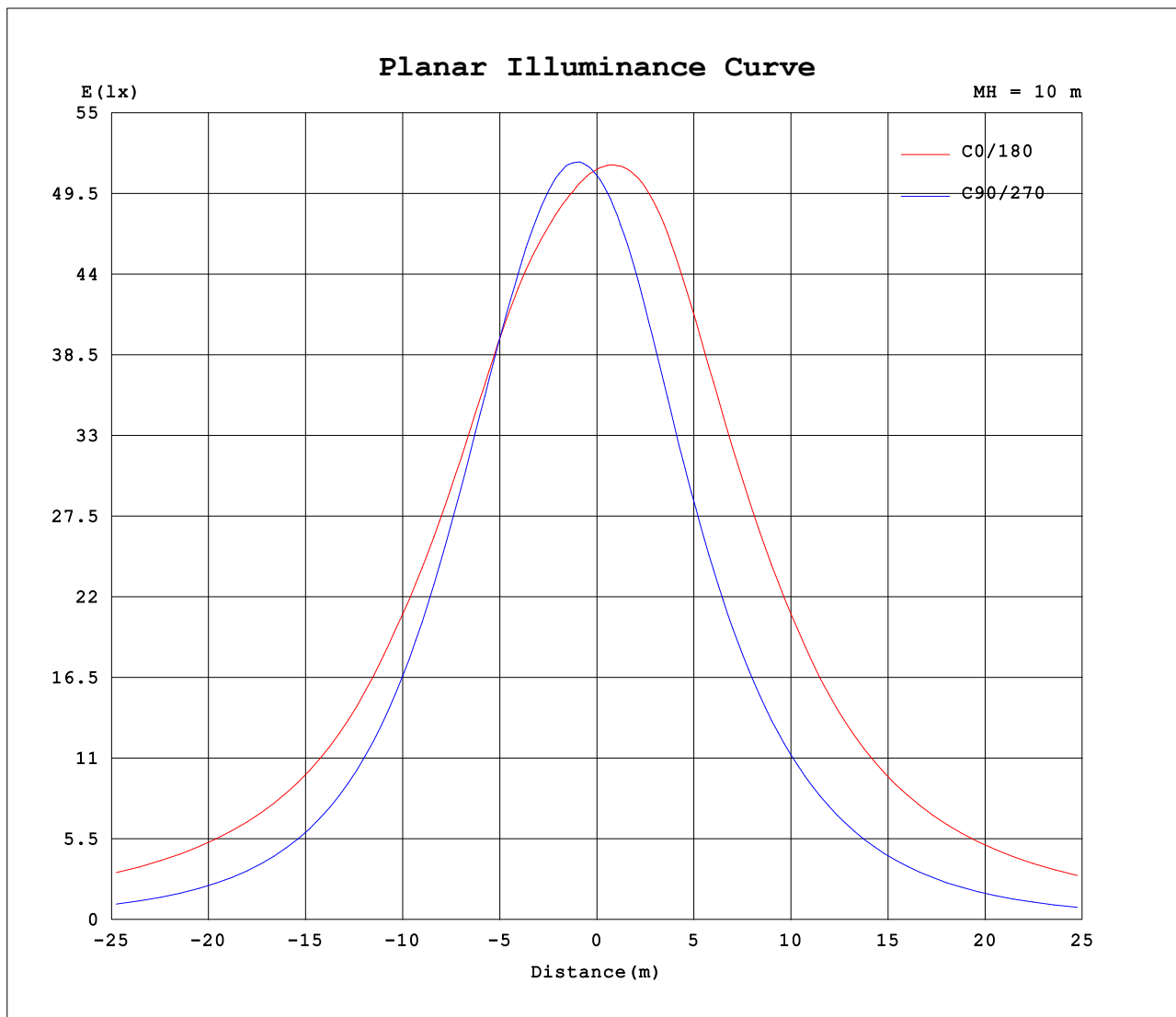
Test:U:120.3V I:1.243A P:148.3W PF:0.9893 Freq:59.99Hz Lamp Flux:22397.8x1 lm		
NAME: ASD-LSB5-150D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-10-27

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



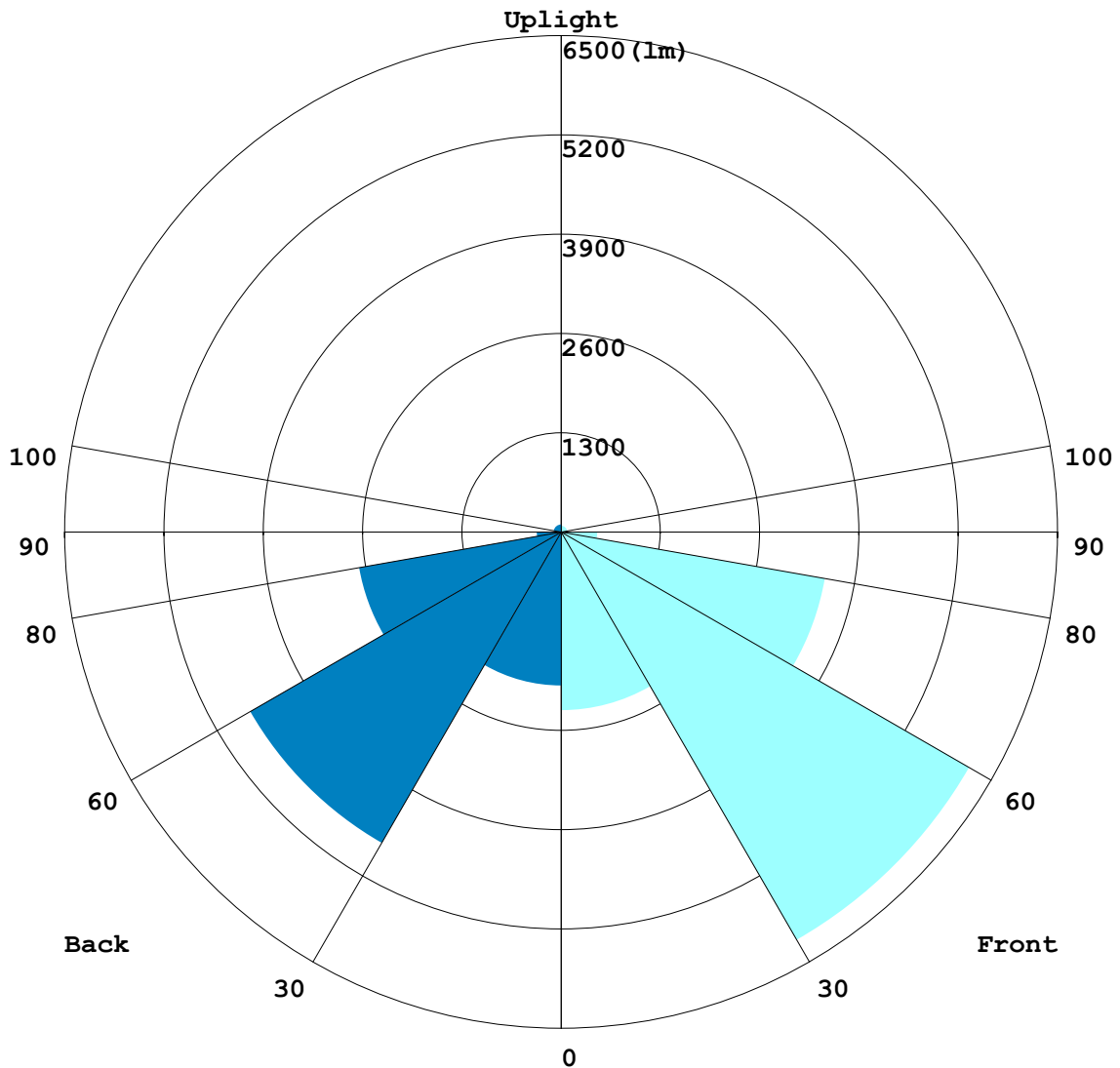
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2023-10-27

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

LCS REPORT

Test:U:120.3V I:1.243A P:148.3W PF:0.9893 Freq:59.99Hz Lamp Flux:22397.8x1 lm		
NAME: ASD-LSB5-150D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-10-27

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## BUG REPORT

Test:U:120.3V I:1.243A P:148.3W PF:0.9893 Freq:59.99Hz Lamp Flux:22397.8x1 lm		
NAME: ASD-LSB5-150D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2333.3	10.4
FM - Front-Medium(30-60)	6167.7	27.5
FH - Front-High(60-80)	3506	15.7
FVH - Front-Very High(80-90)	475.58	2.1
Total Forward Light	12573	56.1

BL - Back-Low(0-30)	2010.4	9.0
BM - Back-Medium(30-60)	4700.6	21.0
BH - Back-High(60-80)	2685.1	12.0
BVH - Back-Very High(80-90)	319.28	1.4
Total Back Light	9824.5	43.9

UL - Uplight-Low(90-100)	20.592	0.1
UH - Uplight-High(100-180)	179.17	0.8
Total Up Light	199.76	0.9

BUG(Back,Up,Glare) Rating	B4-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9715.4	109.09	9824.5
Street Side	12483	90.673	12573

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:lianghaizhu  
Test Date:2023-10-27

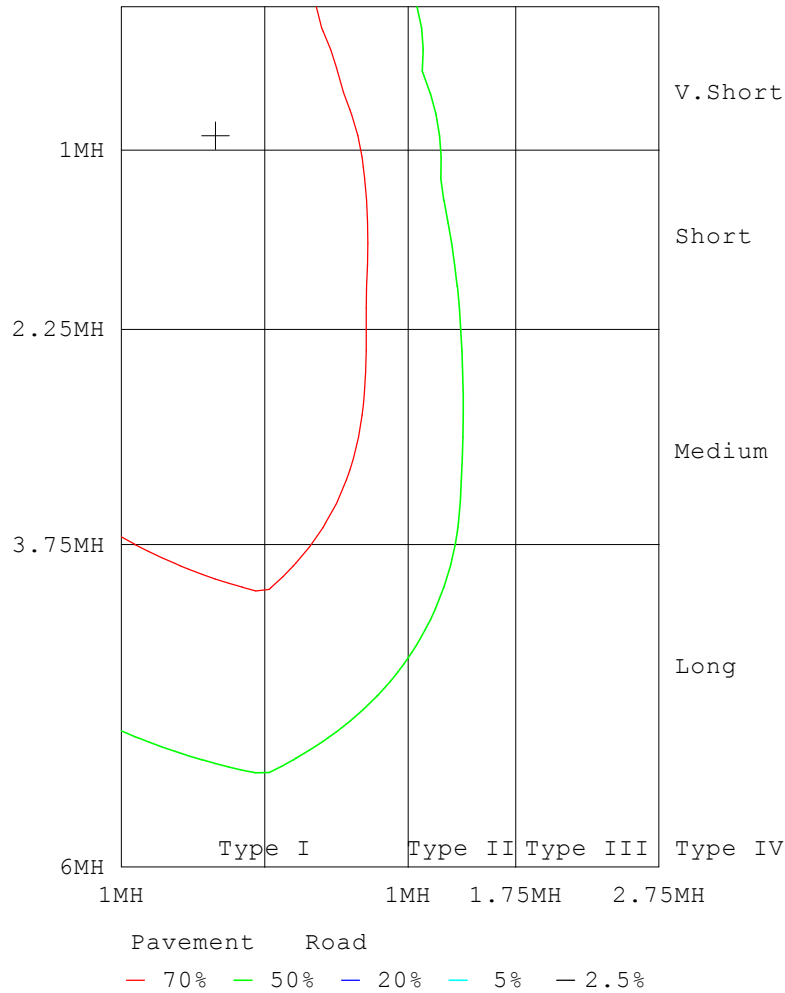
Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:120.3V I:1.243A P:148.3W PF:0.9893 Freq:59.99Hz Lamp Flux:22397.8x1 lm		
NAME: ASD-LSB5-150D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-10-27

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:1.243A P:148.3W PF:0.9893 Freq:59.99Hz Lamp Flux:22397.8x1 lm		
NAME: ASD-LSB5-150D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (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	5115	5098	5093	5082	5073	5050	5051	5047	5115	5098	5093	5082	5073	5050	5051	5047			
5	5081	5123	5165	5200	5225	5220	5214	5187	5206	5119	5033	4961	4916	4882	4913	4955			
10	5105	5195	5257	5308	5353	5387	5408	5366	5340	5168	4979	4823	4736	4708	4792	4914			
15	5196	5317	5363	5396	5454	5535	5603	5567	5497	5224	4909	4649	4522	4518	4685	4924			
20	5342	5475	5484	5460	5521	5667	5791	5756	5640	5269	4810	4447	4290	4308	4575	4974			
25	5494	5639	5604	5500	5542	5766	5943	5908	5740	5275	4687	4224	4053	4102	4451	5026			
30	5617	5775	5706	5504	5495	5818	6043	6005	5805	5245	4543	3995	3831	3892	4303	5056			
35	5719	5874	5765	5445	5350	5801	6083	6072	5851	5185	4357	3776	3614	3679	4140	5059			
40	5807	5948	5758	5297	5082	5672	6046	6119	5881	5115	4161	3560	3402	3468	3981	5050			
45	5893	5982	5623	5046	4700	5401	5901	6130	5898	5020	3989	3345	3181	3253	3842	5012			
50	5871	5930	5333	4650	4212	4952	5585	6047	5814	4859	3780	3091	2936	3004	3656	4885			
55	5804	5771	4881	4123	3654	4352	5111	5872	5726	4662	3486	2773	2645	2703	3408	4734			
60	5824	5567	4288	3478	3042	3662	4456	5689	5696	4420	3098	2392	2297	2351	3087	4576			
65	5948	5323	3617	2787	2411	2986	3709	5471	5709	4068	2633	1958	1881	1936	2671	4317			
70	6200	4986	2961	2134	1795	2349	2977	5143	5642	3592	2119	1524	1424	1519	2173	3876			
75	5425	4331	2493	1473	1195	1640	2424	4263	4704	3018	1580	1071	954	1091	1655	3309			
80	3577	2805	2228	830	658	934	2045	2552	2846	2108	1072	662	575	690	1155	2338			
85	1374	1001	1405	331	227	368	1201	778	811	747	389	340	277	349	443	930			
90	63.3	24.5	87.9	10.9	9.95	13.6	69.1	18.1	22.6	21.4	17.4	13.9	12.8	15.0	18.7	22.8			
95	23.0	19.9	15.3	11.8	10.8	11.5	14.9	19.8	25.3	24.3	20.0	16.4	15.3	17.7	21.5	24.5			
100	25.5	22.2	17.5	13.8	12.7	13.2	16.8	21.8	28.0	27.1	22.7	19.2	18.3	20.9	24.5	27.4			
105	28.3	24.9	19.8	16.1	14.8	15.3	18.9	24.2	30.6	29.6	25.4	22.1	21.4	24.1	27.7	30.2			
110	30.8	27.4	22.4	18.4	16.9	17.4	21.0	26.4	32.7	31.8	28.0	25.0	24.6	27.3	30.8	32.7			
115	33.0	29.9	25.0	20.9	19.2	19.6	23.2	28.3	34.7	33.8	30.5	27.8	27.7	30.3	33.7	35.2			
120	35.3	32.4	27.6	23.4	21.6	22.0	25.5	30.4	36.8	35.9	33.0	30.6	30.7	33.3	36.5	37.8			
125	37.9	35.1	30.2	26.0	24.2	24.4	27.9	32.8	39.3	38.5	35.6	33.5	33.6	36.0	39.1	40.5			
130	40.6	37.7	32.8	28.6	26.8	27.0	30.5	35.4	42.1	41.3	38.3	36.3	36.4	38.7	41.7	43.2			
135	43.4	40.3	35.3	31.2	29.3	29.7	33.1	38.1	44.5	43.7	40.7	38.9	39.1	41.1	43.8	45.5			
140	45.8	42.5	37.6	33.8	31.9	32.3	35.5	40.3	46.3	45.5	42.8	41.3	41.5	43.3	45.6	47.3			
145	47.4	44.2	39.7	36.4	34.6	34.9	37.7	42.1	47.5	46.8	44.7	43.6	43.9	45.2	47.1	48.4			
150	48.6	45.6	41.7	38.8	37.3	37.4	39.7	43.5	48.5	47.9	46.4	45.7	46.0	47.0	48.3	49.3			
155	49.4	46.8	43.5	41.0	39.9	39.9	41.7	44.8	49.4	48.9	48.0	47.7	47.9	48.5	49.5	50.1			
160	50.2	48.0	45.3	43.3	42.5	42.4	43.8	46.2	50.4	50.0	49.4	49.5	49.7	50.0	50.5	51.0			
165	50.9	49.1	46.9	45.4	44.9	44.8	45.8	47.6	51.2	50.8	50.5	50.7	51.1	51.0	51.3	51.6			
170	51.5	50.0	48.3	47.3	47.0	46.9	47.7	49.0	51.7	51.2	50.9	51.0	51.5	51.3	51.5	51.7			
175	51.9	50.7	49.6	48.9	48.9	48.8	49.2	50.1	52.0	51.3	50.9	50.8	51.2	50.9	51.2	51.5			
180	52.1	51.3	50.5	50.2	50.4	50.2	50.5	51.0	52.2	51.2	50.5	50.1	50.5	50.2	50.5	51.0			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-10-27

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks: