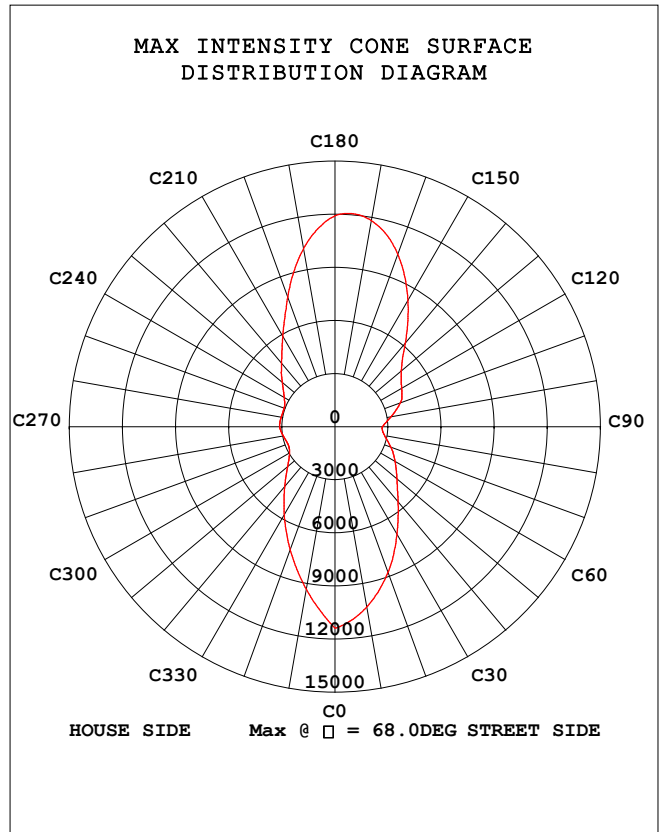
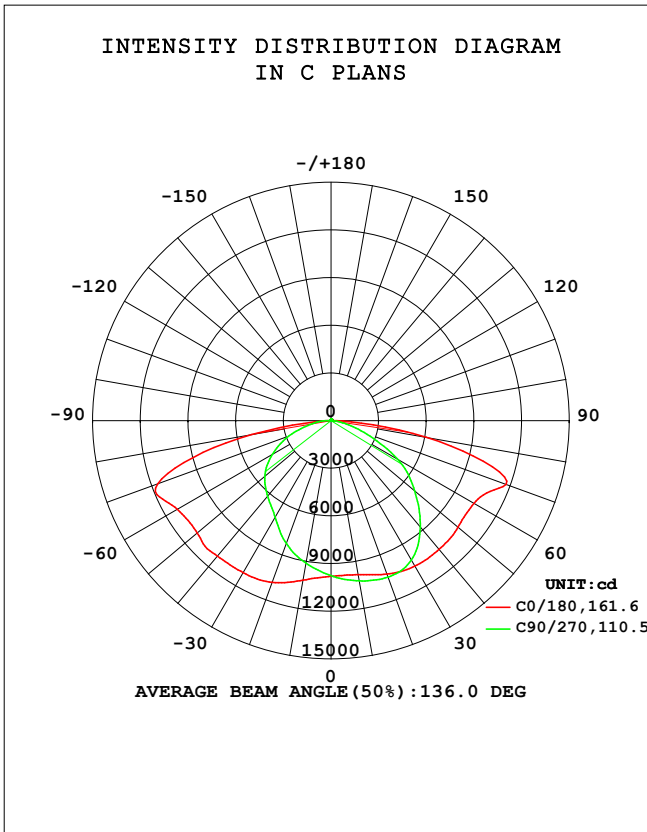


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:277.1V I:0.8657A P:238.3W PF:0.9947 Freq:59.98Hz Lamp Flux:40311.3x1 lm		
NAME: ASD-LSB5A-HV-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.15 lm/W			
MODEL		Imax(cd)	11922	<input type="checkbox"/> street_up(%)	0.4
NOMINAL POWER(W)	240	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	54.0
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	40311	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	40311.3	MAXIMUM @ (C, <input type="checkbox"/> )	180,68.0	<input type="checkbox"/> house_down(%)	45.1
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	0.9	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	277	<input type="checkbox"/> down(%)	99.1	SLI	26.037

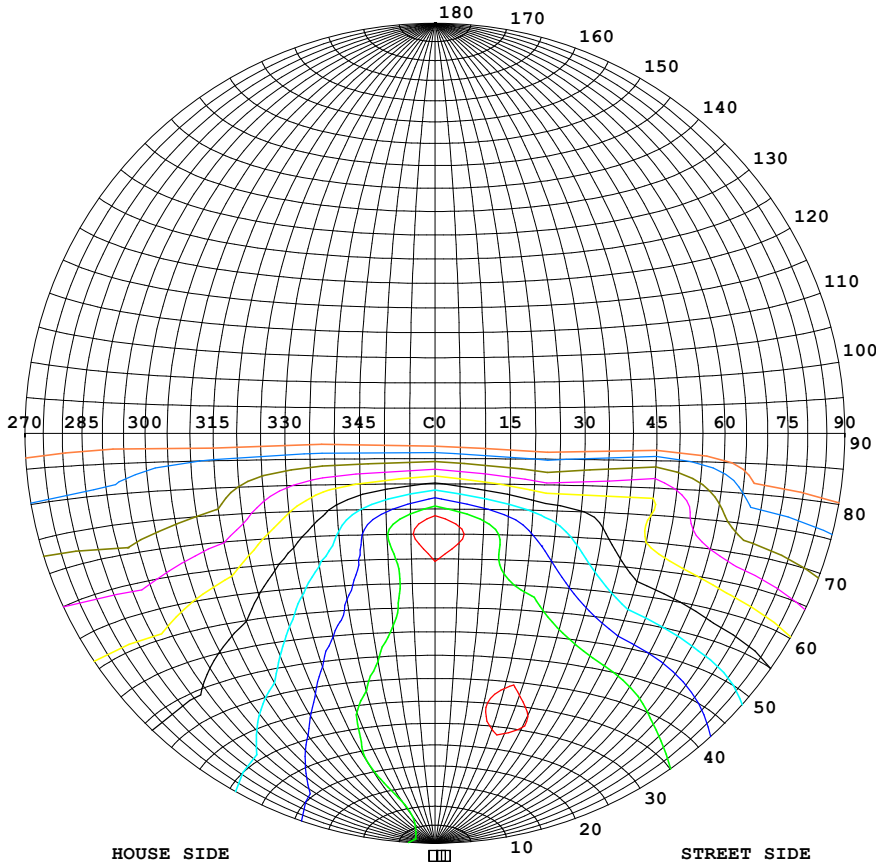


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-27

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:277.1V I:0.8657A P:238.3W PF:0.9947 Freq:59.98Hz Lamp Flux:40311.3x1 lm		
NAME: ASD-LSB5A-HV-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:



**Classification:**

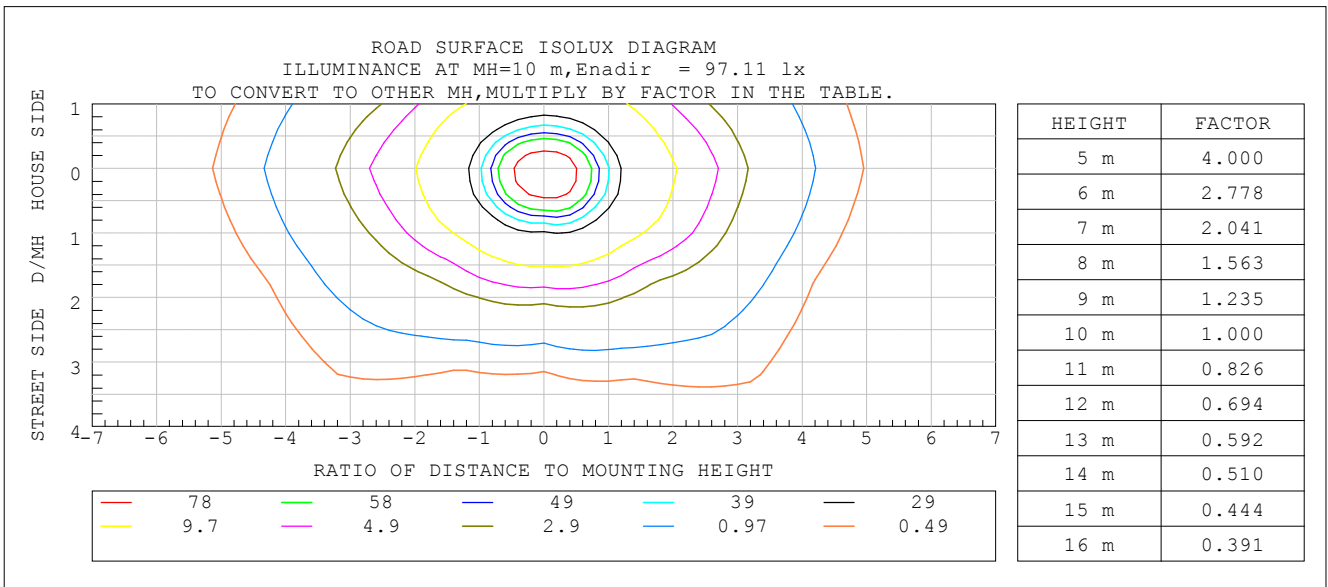
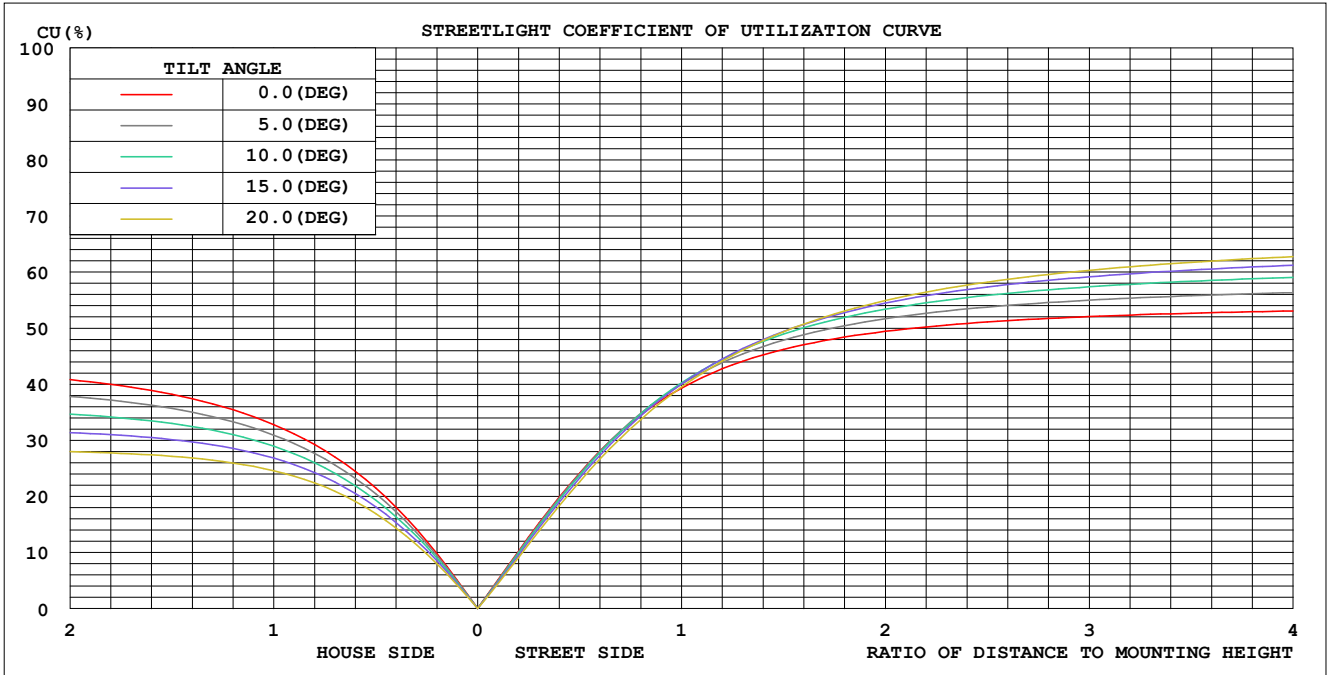
IES:Type VS - Medium  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:151.6cd/klm  
 Max.At90:3.635cd/klm  
 Max.80-90:151.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11922
90%	10730
80%	9538
70%	8345
60%	7153
50%	5961
40%	4769
30%	3577
20%	2384
10%	1192
5%	596

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-27

□ 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: 2023-09-27

□ 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:277.1V I:0.8657A P:238.3W PF:0.9947 Freq:59.98Hz Lamp Flux:40311.3x1 lm		
NAME: ASD-LSB5A-HV-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:

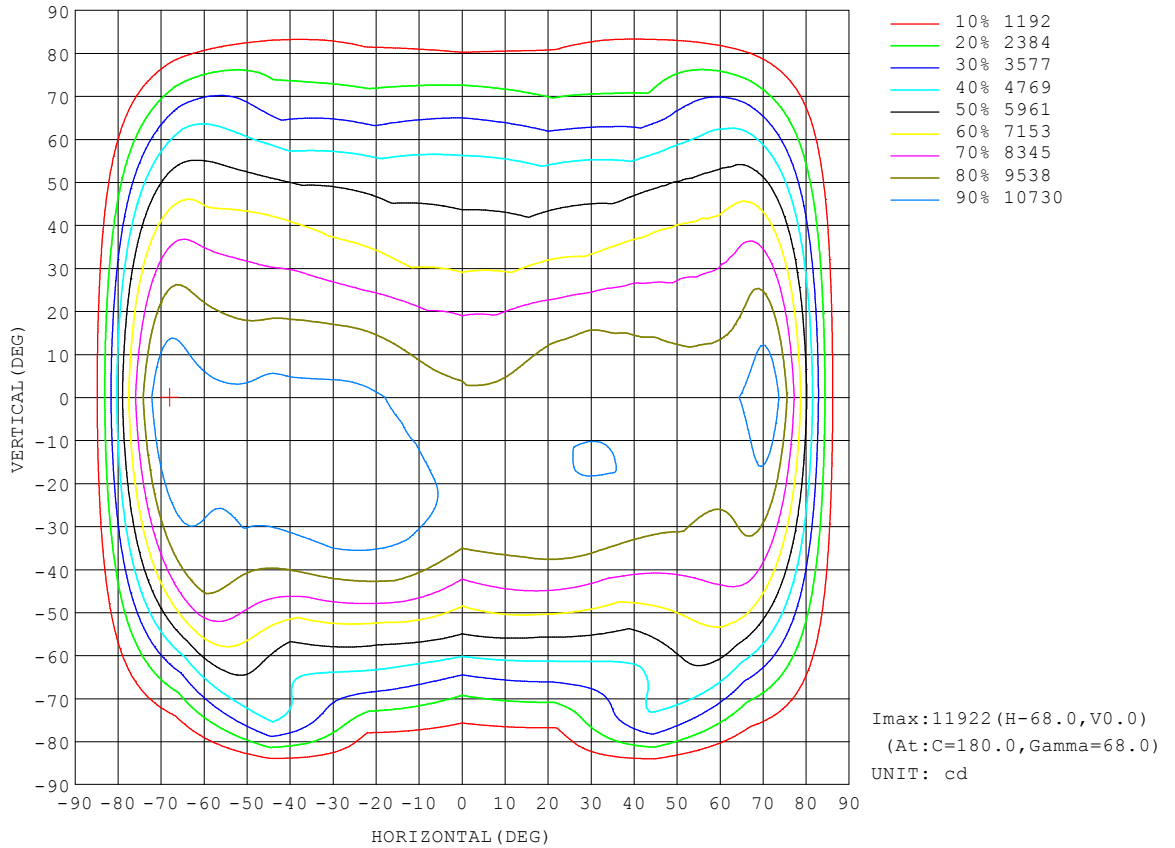
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	985.0	1010	1024	1034	1020	950.5	911.4	930.5	0- 10	934.3	934.3	2.32,2.32
20	1028	1045	1048	1109	1083	921.8	824.0	904.2	10- 20	2807	3741	9.28,9.28
30	1058	1066	1013	1154	1105	862.7	704.6	841.1	20- 30	4572	8313	20.6,20.6
40	1058	1029	874.9	1127	1113	773.9	622.0	738.2	30- 40	5953	14266	35.4,35.4
50	1043	875.4	687.6	981.8	1100	695.5	545.1	642.9	40- 50	6775	21041	52.2,52.2
60	1041	650.5	482.8	725.7	1118	574.5	426.3	532.4	50- 60	6820	27861	69.1,69.1
70	1173	476.6	223.1	512.4	1161	385.4	280.8	354.5	60- 70	6213	34074	84.5,84.5
80	611.2	426.3	61.89	462.5	507.0	214.1	120.9	189.1	70- 80	4583	38656	95.9,95.9
90	7.901	2.492	1.709	2.430	3.925	4.206	4.201	6.351	80- 90	1292	39948	99.1,99.1
100	4.723	3.279	2.353	3.002	4.887	3.731	2.978	4.522	90-100	37.75	39986	99.2,99.2
110	5.676	4.215	3.125	3.780	5.715	4.666	4.106	5.613	100-110	43.93	40030	99.3,99.3
120	6.470	5.199	4.017	4.632	6.469	5.596	5.241	6.653	110-120	50.20	40080	99.4,99.4
130	7.488	6.196	4.928	5.583	7.481	6.626	6.317	7.647	120-130	53.94	40134	99.6,99.6
140	8.503	7.097	5.981	6.507	8.334	7.528	7.336	8.411	130-140	54.19	40188	99.7,99.7
150	9.093	7.849	6.995	7.303	8.791	8.278	8.258	8.921	140-150	49.06	40237	99.8,99.8
160	9.400	8.525	7.960	8.093	9.229	8.955	9.065	9.376	150-160	39.18	40277	99.9,99.9
170	9.642	9.072	8.808	8.916	9.583	9.362	9.526	9.622	160-170	25.65	40302	100,100
180	9.716	9.383	9.402	9.467	9.725	9.389	9.409	9.461	170-180	8.951	40311	100,100
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:lianghaizhu  
Test Date:2023-09-27

□ 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

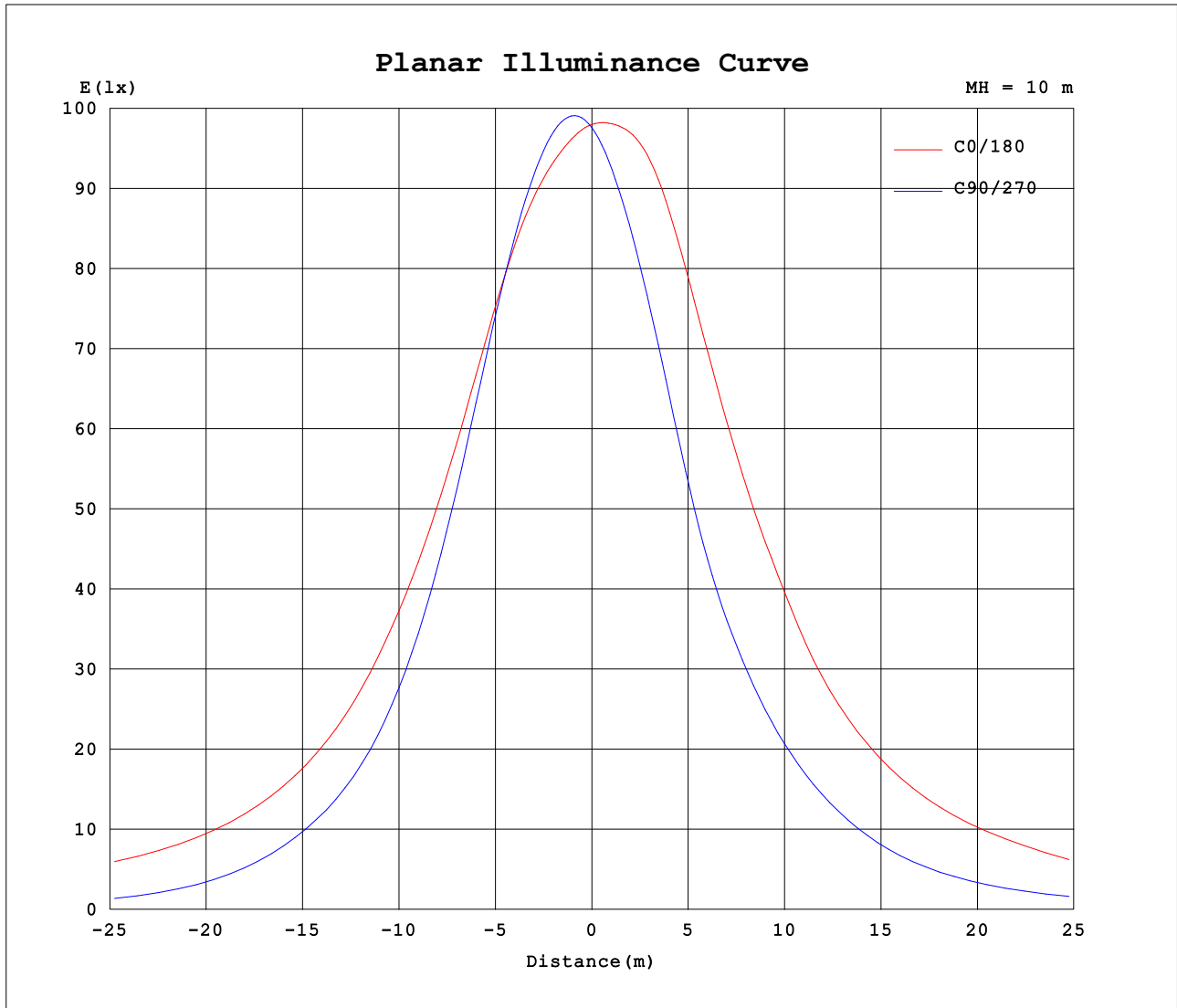
Test:U:277.1V I:0.8657A P:238.3W PF:0.9947 Freq:59.98Hz Lamp Flux:40311.3x1 lm		
NAME: ASD-LSB5A-HV-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-27

□ 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



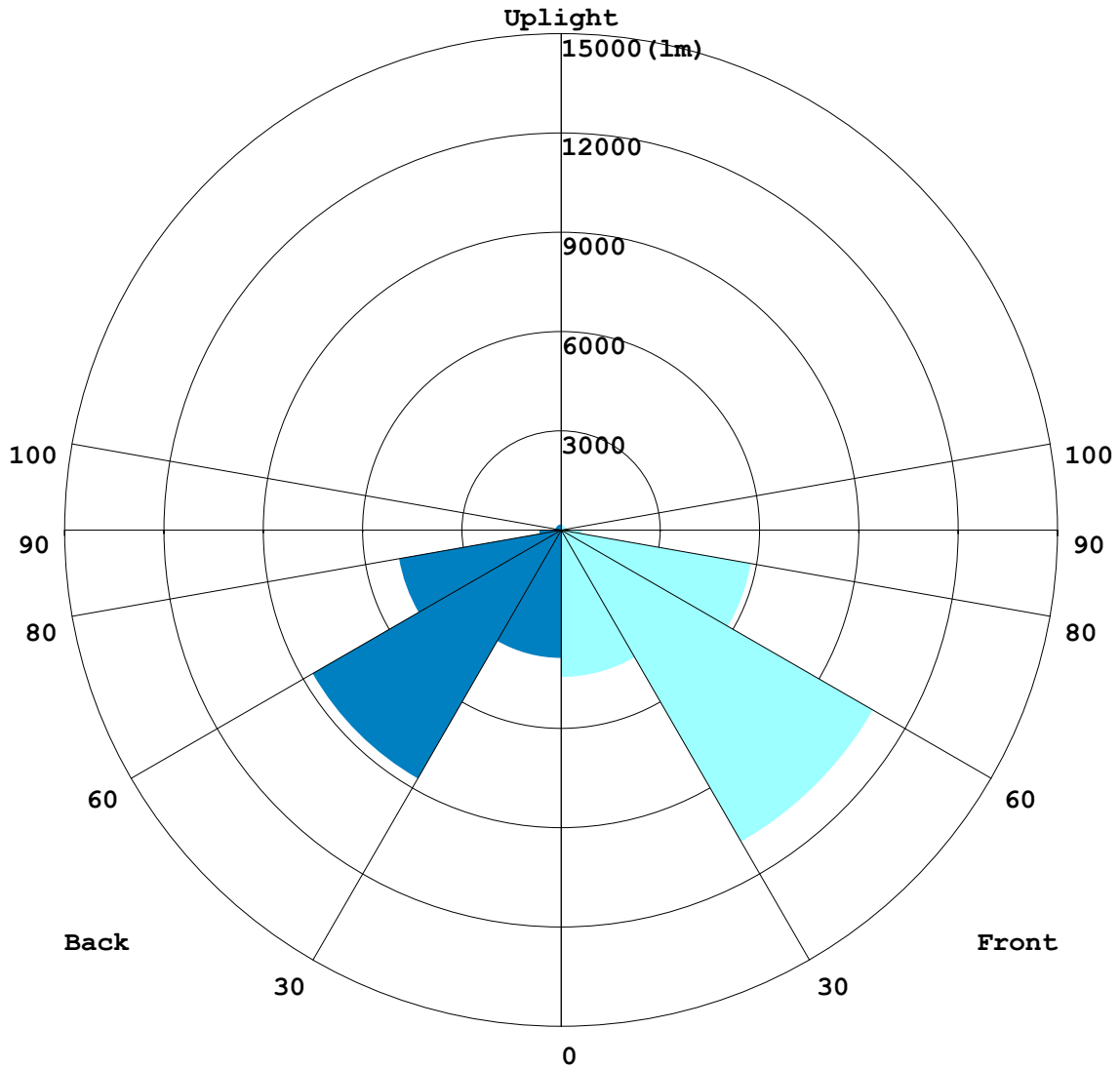
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2023-09-27

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:277.1V I:0.8657A P:238.3W PF:0.9947 Freq:59.98Hz Lamp Flux:40311.3x1 lm		
NAME: ASD-LSB5A-HV-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-27

□ 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:277.1V I:0.8657A P:238.3W PF:0.9947 Freq:59.98Hz Lamp Flux:40311.3x1 lm		
NAME: ASD-LSB5A-HV-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4444.6	11.0
FM - Front-Medium(30-60)	10880	27.0
FH - Front-High(60-80)	5824.6	14.4
FVH - Front-Very High(80-90)	629.91	1.6
Total Forward Light	21946	54.4

BL - Back-Low(0-30)	3868.7	9.6
BM - Back-Medium(30-60)	8667.6	21.5
BH - Back-High(60-80)	4970.6	12.3
BVH - Back-Very High(80-90)	662.3	1.6
Total Back Light	18365	45.6

UL - Uplight-Low(90-100)	37.751	0.1
UH - Uplight-High(100-180)	325.11	0.8
Total Up Light	362.86	0.9

BUG(Back,Up,Glare) Rating	B5-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	18169	195.92	18365
Street Side	21779	166.94	21946

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:lianghaizhu  
Test Date:2023-09-27

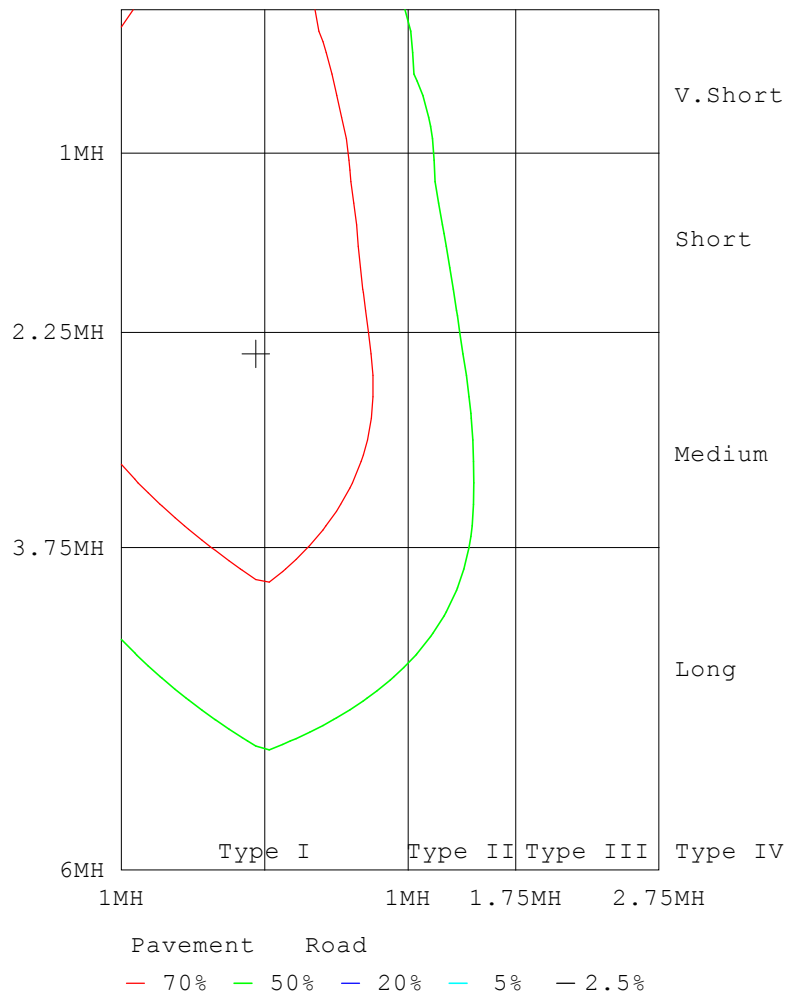
Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:277.1V I:0.8657A P:238.3W PF:0.9947 Freq:59.98Hz Lamp Flux:40311.3x1 lm		
NAME: ASD-LSB5A-HV-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-27

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:277.1V I:0.8657A P:238.3W PF:0.9947 Freq:59.98Hz Lamp Flux:40311.3x1 lm		
NAME: ASD-LSB5A-HV-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:

Table--1

UNIT: x10cd

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	980	979	978	977	976	971	972	972	980	979	978	977	976	971	972	972			
5	977	986	993	999	1003	1000	1000	995	993	978	963	952	945	941	949	959			
10	985	1000	1010	1017	1024	1028	1034	1029	1020	987	950	923	911	911	930	956			
15	1004	1021	1028	1031	1040	1054	1072	1072	1054	1002	938	891	872	879	918	963			
20	1028	1045	1045	1040	1048	1077	1109	1109	1083	1015	922	850	824	839	904	977			
25	1047	1065	1060	1040	1042	1092	1138	1135	1100	1016	897	800	766	787	881	984			
30	1058	1076	1066	1024	1013	1092	1154	1147	1105	1003	863	740	705	726	841	979			
35	1060	1078	1058	992	955	1074	1151	1152	1109	979	819	687	658	672	790	961			
40	1058	1072	1029	946	875	1031	1127	1153	1113	954	774	650	622	630	738	932			
45	1055	1054	968	875	783	951	1070	1146	1121	927	732	614	586	588	688	896			
50	1043	1024	875	778	688	835	982	1120	1100	890	695	572	545	543	643	857			
55	1034	981	765	659	596	702	863	1086	1098	858	645	513	492	487	594	820			
60	1041	929	650	549	483	586	726	1056	1118	824	574	438	426	419	532	786			
65	1080	872	549	431	344	480	599	1026	1171	765	486	356	357	333	450	741			
70	1173	802	477	297	223	358	512	936	1161	695	385	279	281	253	355	670			
75	992	664	478	173	130	214	530	664	898	597	289	212	197	184	254	581			
80	611	376	426	83.3	61.9	97.5	463	326	507	411	214	141	121	128	189	421			
85	194	109	168	23.6	12.7	28.6	165	69.0	109	138	120	90.7	76.1	92.3	123	170			
90	7.90	3.34	2.49	1.90	1.71	1.82	2.43	3.35	3.93	3.71	4.21	14.6	4.20	10.5	6.35	14.7			
95	4.25	3.72	2.88	2.23	2.01	2.08	2.72	3.64	4.39	4.12	3.27	2.62	2.48	3.03	3.96	4.68			
100	4.72	4.17	3.28	2.61	2.35	2.39	3.00	3.96	4.89	4.62	3.73	3.11	2.98	3.61	4.52	5.17			
105	5.24	4.66	3.73	3.02	2.73	2.77	3.36	4.32	5.35	5.07	4.20	3.62	3.53	4.20	5.06	5.66			
110	5.68	5.13	4.22	3.46	3.12	3.17	3.78	4.65	5.71	5.47	4.67	4.13	4.11	4.79	5.61	6.08			
115	6.06	5.57	4.70	3.91	3.57	3.59	4.19	5.01	6.07	5.84	5.11	4.64	4.69	5.37	6.14	6.51			
120	6.47	6.05	5.20	4.38	4.02	4.04	4.63	5.39	6.47	6.22	5.60	5.17	5.24	5.92	6.65	7.00			
125	6.96	6.57	5.70	4.86	4.45	4.51	5.10	5.86	6.94	6.70	6.11	5.70	5.78	6.43	7.16	7.49			
130	7.49	7.09	6.20	5.36	4.93	4.99	5.58	6.36	7.48	7.25	6.63	6.23	6.32	6.93	7.65	8.00			
135	8.03	7.60	6.68	5.87	5.44	5.49	6.06	6.86	7.96	7.72	7.11	6.75	6.84	7.38	8.08	8.45			
140	8.50	8.03	7.10	6.38	5.98	5.99	6.51	7.29	8.33	8.08	7.53	7.24	7.34	7.81	8.41	8.79			
145	8.86	8.34	7.48	6.86	6.49	6.47	6.92	7.64	8.59	8.34	7.91	7.71	7.81	8.19	8.68	9.02			
150	9.09	8.58	7.85	7.31	6.99	6.95	7.30	7.92	8.79	8.57	8.28	8.15	8.26	8.53	8.92	9.18			
155	9.25	8.81	8.19	7.74	7.47	7.42	7.69	8.18	9.00	8.81	8.62	8.57	8.67	8.85	9.11	9.30			
160	9.40	9.03	8.52	8.15	7.96	7.91	8.09	8.47	9.23	9.07	8.96	8.98	9.06	9.19	9.38	9.52			
165	9.53	9.22	8.82	8.52	8.41	8.37	8.54	8.77	9.44	9.30	9.22	9.28	9.38	9.44	9.55	9.65			
170	9.64	9.37	9.07	8.85	8.81	8.77	8.92	9.09	9.58	9.44	9.36	9.41	9.53	9.53	9.62	9.68			
175	9.71	9.48	9.26	9.13	9.15	9.10	9.23	9.35	9.68	9.51	9.41	9.42	9.52	9.50	9.59	9.65			
180	9.72	9.54	9.38	9.34	9.40	9.37	9.47	9.55	9.73	9.53	9.39	9.33	9.41	9.37	9.46	9.55			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-27

□ 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: