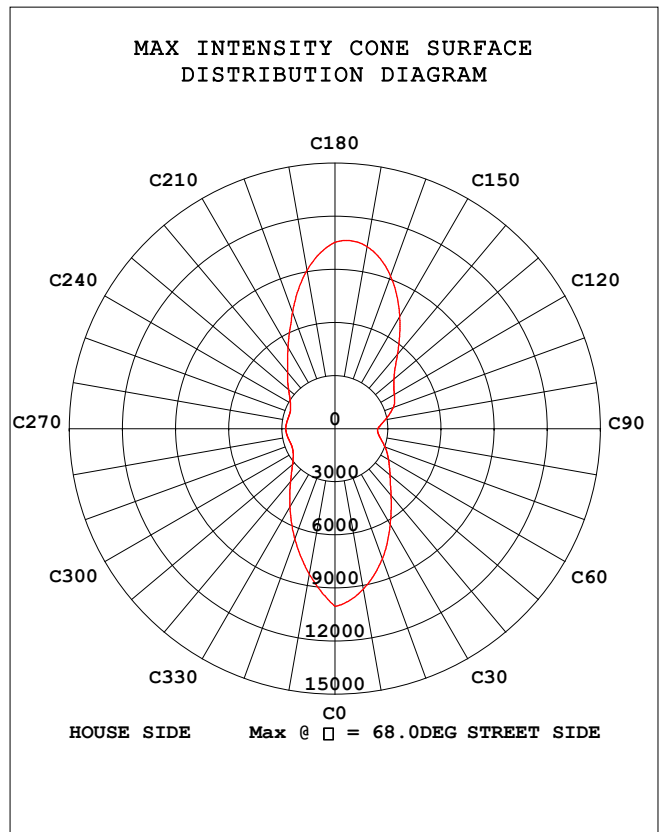
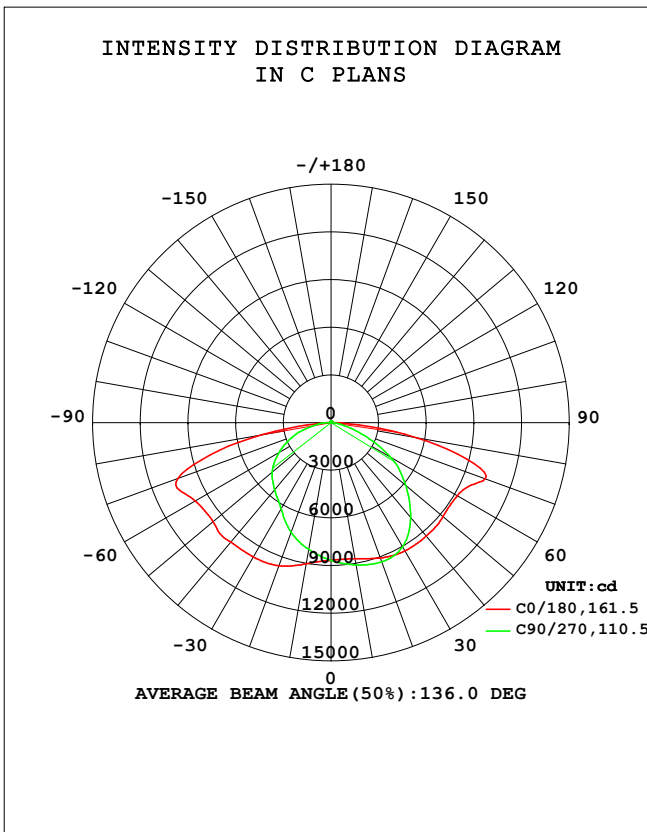


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.3V I:1.990A P:238.1W PF:0.9895 Freq:59.99Hz Lamp Flux:35843x1 lm		
NAME: ASD-LSB5-240D50BR	TYPE:	WEIGHT:
SPEC.:N/A	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.51 lm/W			
MODEL	ASD-LSB5-240D50BR	I _{max} (cd)	10533	<input type="checkbox"/> street_up (%)	0.4
NOMINAL POWER (W)	240	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	54.0
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	35843	<input type="checkbox"/> house_up (%)	0.5
NOMINAL FLUX (lm)	35843	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)	120	<input type="checkbox"/> down (%)	99.1	SLI	25.820

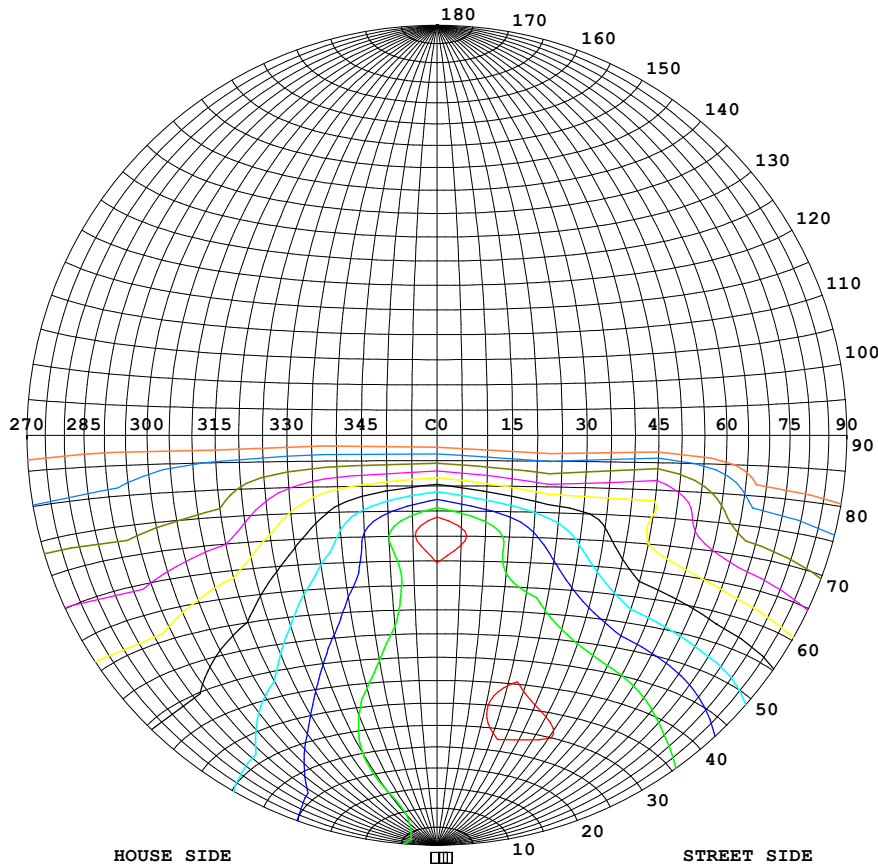


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-10-27

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:1.990A P:238.1W PF:0.9895 Freq:59.99Hz Lamp Flux:35843x1 lm		
NAME: ASD-LSB5-240D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:



Classification:

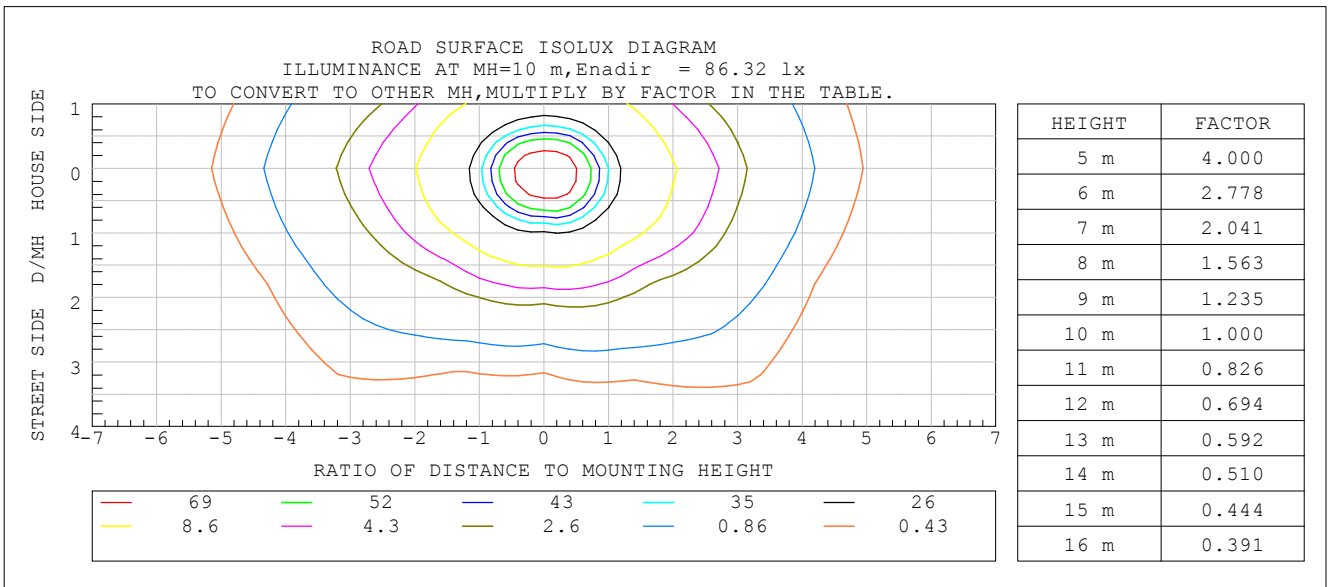
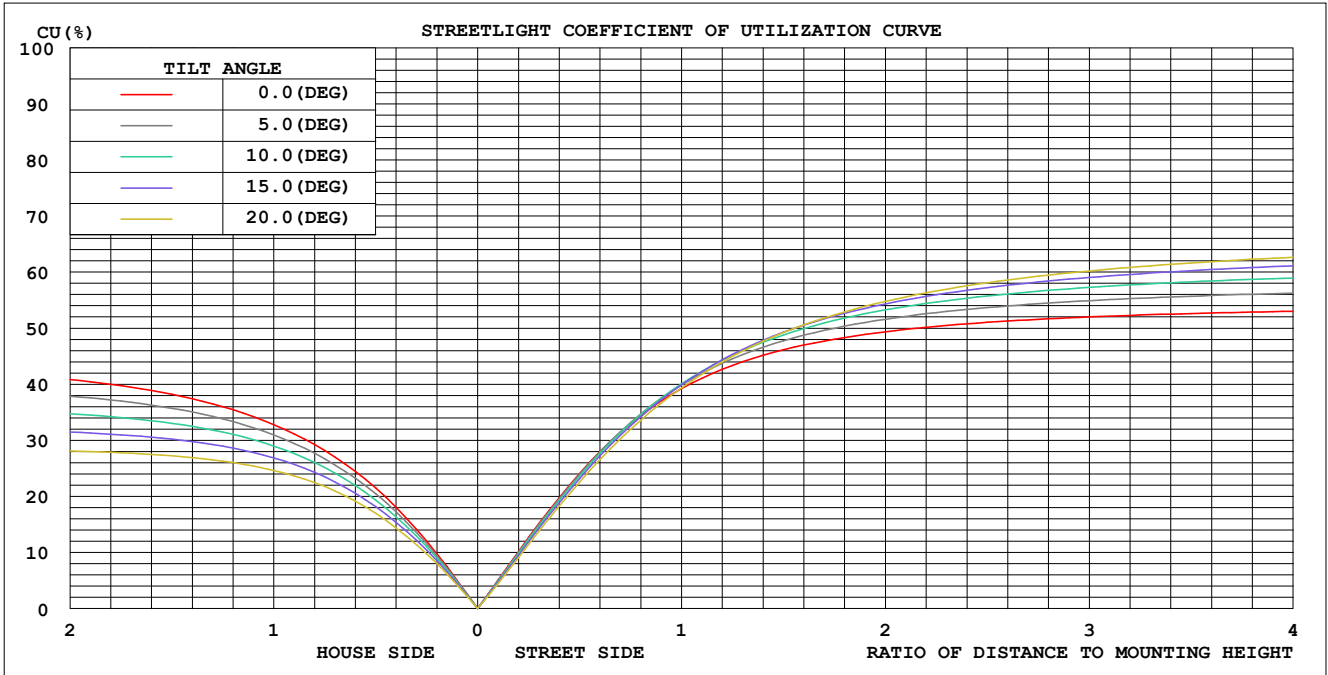
IES:Type VS - Medium
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:152.3cd/klm
 Max.At90:3.509cd/klm
 Max.80-90:152.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	10533
90%	9480
80%	8427
70%	7373
60%	6320
50%	5267
40%	4213
30%	3160
20%	2107
10%	1053
5%	527

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:1.990A P:238.1W PF:0.9895 Freq:59.99Hz Lamp Flux:35843x1 lm		
NAME: ASD-LSB5-240D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:

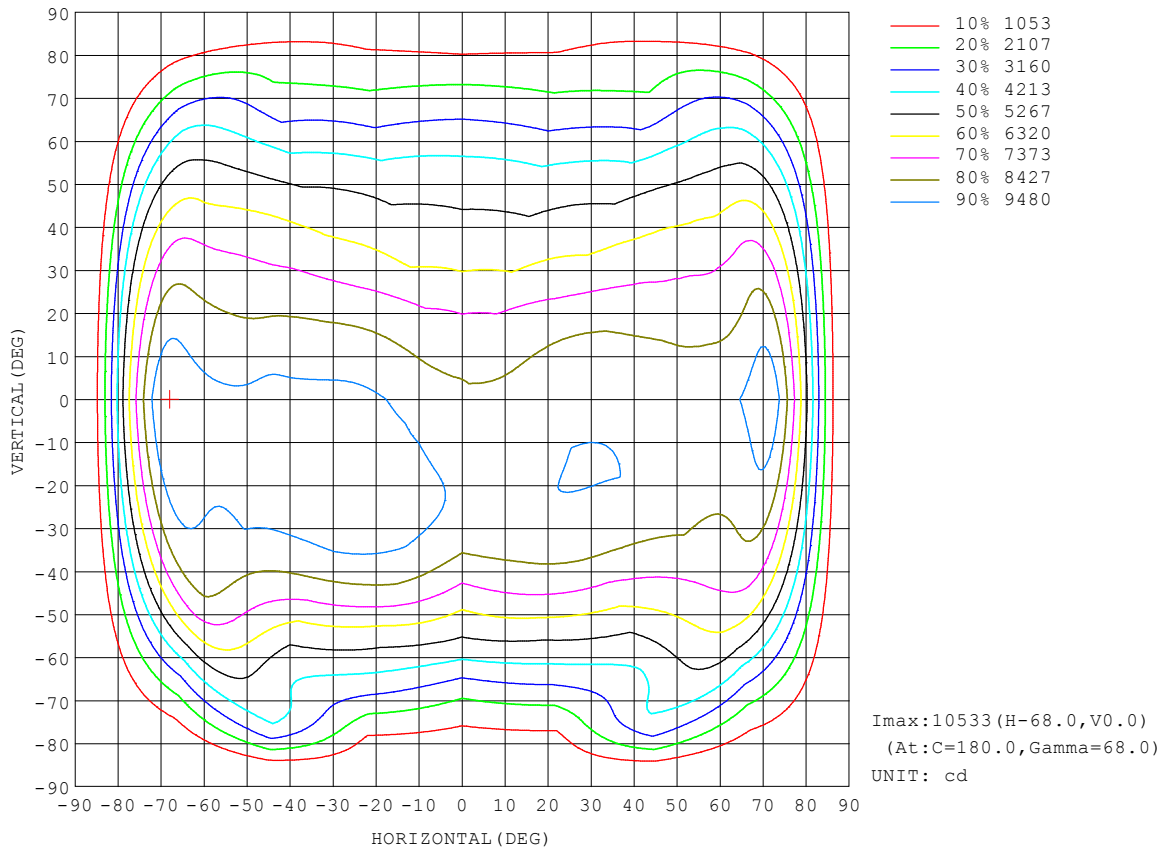
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	ℓlum,lamp
10	869.8	894.8	909.6	919.1	902.3	845.2	811.2	827.4	0- 10	829.4	829.4	2.31,2.31
20	906.8	927.2	932.8	986.1	958.4	823.2	735.2	803.6	10- 20	2493	3323	9.27,9.27
30	931.9	947.2	902.1	1024	976.9	773.2	628.6	749.7	20- 30	4064	7386	20.6,20.6
40	932.6	914.7	780.2	999.1	982.9	691.7	553.4	659.7	30- 40	5289	12675	35.4,35.4
50	920.5	781.9	612.8	871.4	970.4	616.8	484.6	574.2	40- 50	6018	18693	52.2,52.2
60	918.6	582.9	431.0	647.6	986.9	508.2	379.1	471.9	50- 60	6060	24753	69.1,69.1
70	1035	422.0	201.1	453.5	1025	340.3	253.6	314.4	60- 70	5524	30277	84.5,84.5
80	545.8	375.9	56.18	407.6	439.2	187.7	107.6	171.4	70- 80	4094	34371	95.9,95.9
90	7.398	2.216	1.518	2.171	3.480	3.669	3.727	5.707	80- 90	1151	35522	99.1,99.1
100	4.184	2.917	2.094	2.687	4.330	3.317	2.684	3.991	90-100	33.18	35555	99.2,99.2
110	5.027	3.750	2.781	3.362	5.058	4.145	3.685	4.944	100-110	38.95	35594	99.3,99.3
120	5.733	4.622	3.573	4.117	5.724	4.963	4.681	5.798	110-120	44.50	35638	99.4,99.4
130	6.631	5.505	4.388	4.961	6.619	5.877	5.625	6.705	120-130	47.81	35686	99.6,99.6
140	7.531	6.302	5.322	5.778	7.371	6.675	6.516	7.395	130-140	48.04	35734	99.7,99.7
150	8.048	6.962	6.217	6.481	7.770	7.338	7.326	7.862	140-150	43.49	35778	99.8,99.8
160	8.316	7.557	7.066	7.189	8.155	7.934	8.038	8.277	150-160	34.73	35812	99.9,99.9
170	8.532	8.042	7.817	7.915	8.465	8.294	8.448	8.497	160-170	22.73	35835	100,100
180	8.595	8.319	8.343	8.403	8.590	8.316	8.345	8.357	170-180	7.931	35843	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:2023-10-27

□ 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

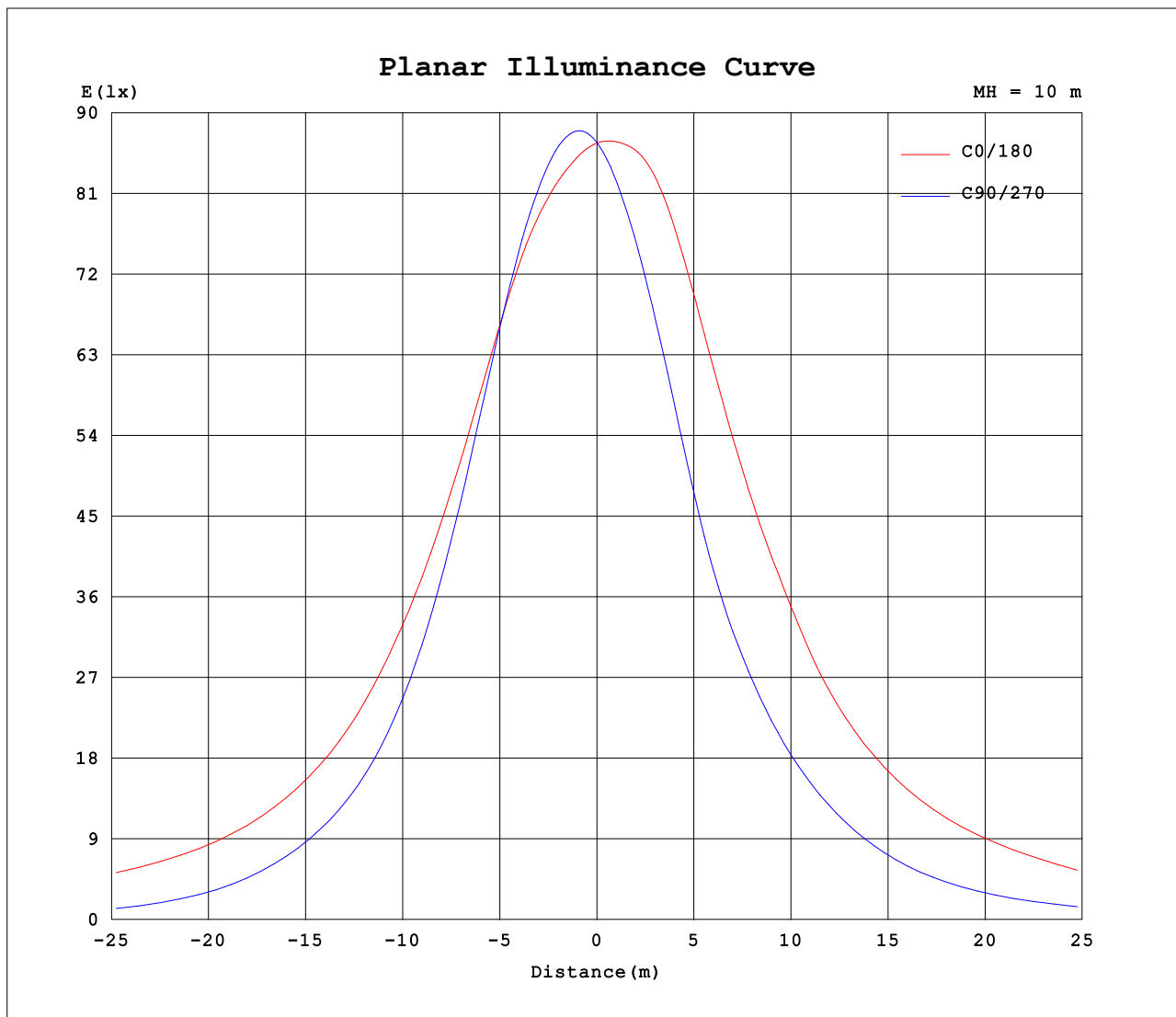
Test:U:120.3V I:1.990A P:238.1W PF:0.9895 Freq:59.99Hz Lamp Flux:35843x1 lm		
NAME: ASD-LSB5-240D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.3*0.3	Shielding Angle:



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

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



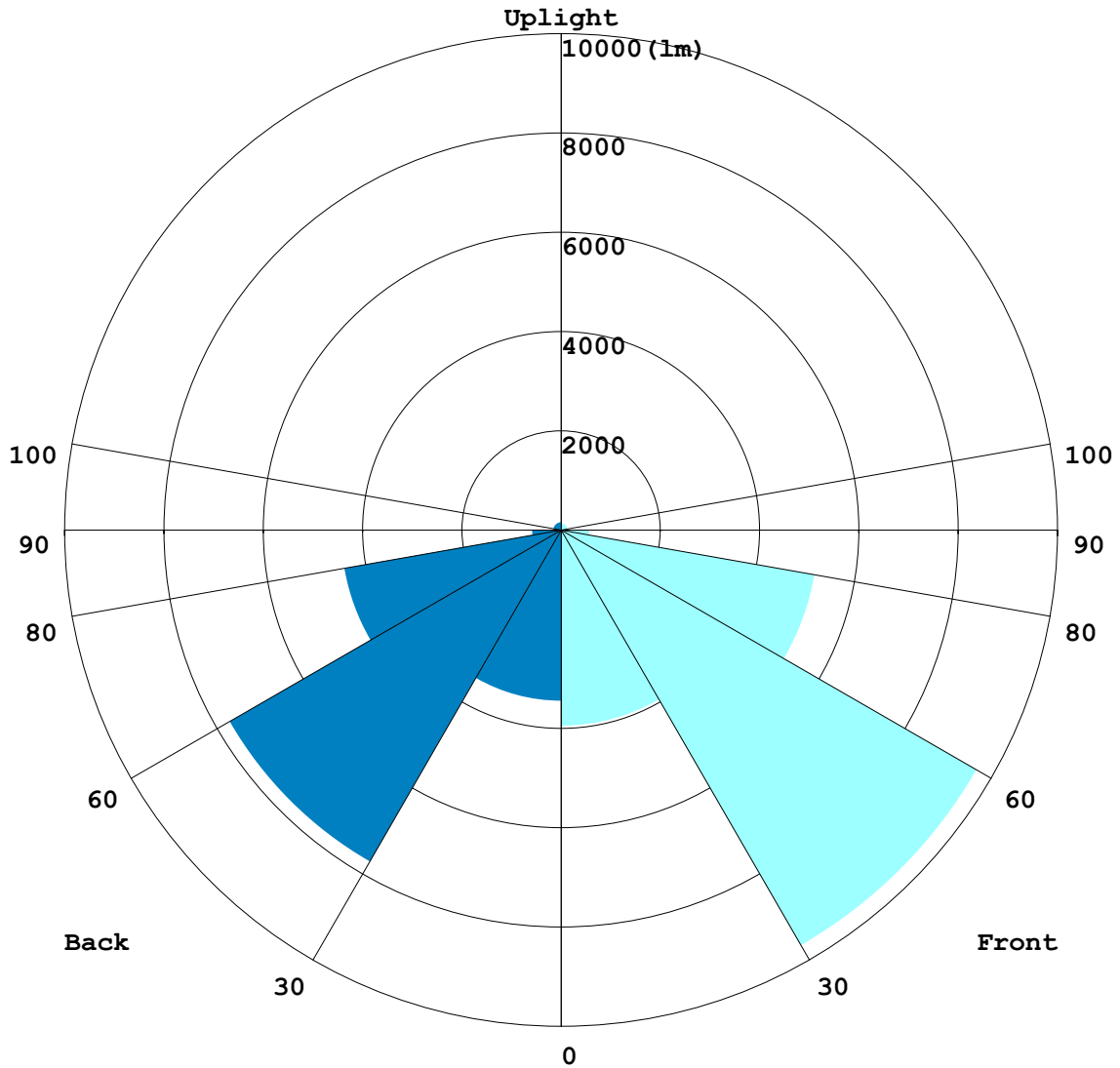
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-10-27

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:1.990A P:238.1W PF:0.9895 Freq:59.99Hz Lamp Flux:35843x1 lm		
NAME: ASD-LSB5-240D50BR	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:2023-10-27

□ 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:1.990A P:238.1W PF:0.9895 Freq:59.99Hz Lamp Flux:35843x1 lm		
NAME: ASD-LSB5-240D50BR	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)	3944.4	11.0
FM - Front-Medium(30-60)	9659.2	26.9
FH - Front-High(60-80)	5182.2	14.5
FVH - Front-Very High(80-90)	566.45	1.6
Total Forward Light	19500	54.4

BL - Back-Low(0-30)	3441.8	9.6
BM - Back-Medium(30-60)	7707.7	21.5
BH - Back-High(60-80)	4435.8	12.4
BVH - Back-Very High(80-90)	584.12	1.6
Total Back Light	16343	45.6

UL - Uplight-Low(90-100)	33.178	0.1
UH - Uplight-High(100-180)	288.18	0.8
Total Up Light	321.36	0.9

BUG(Back,Up,Glare) Rating	B4-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	16169	173.08	16343
Street Side	19352	148.28	19500

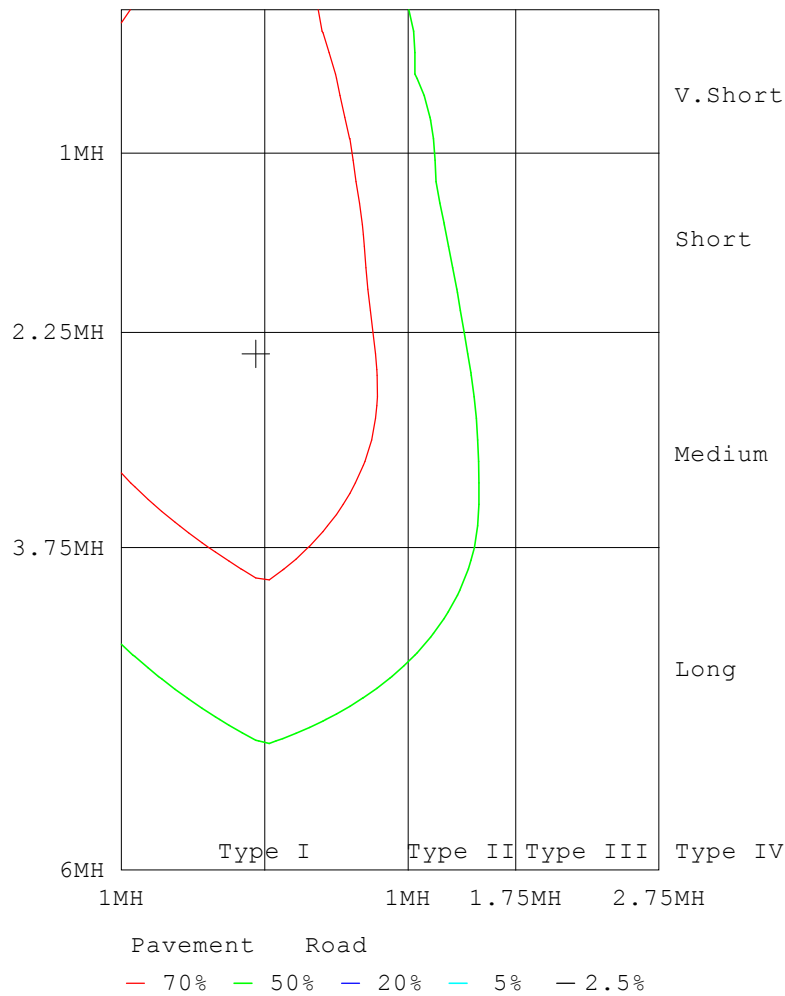
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-10-27

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:1.990A P:238.1W PF:0.9895 Freq:59.99Hz Lamp Flux:35843x1 lm		
NAME: ASD-LSB5-240D50BR	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:2023-10-27

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:1.990A P:238.1W PF:0.9895 Freq:59.99Hz Lamp Flux:35843x1 lm		
NAME: ASD-LSB5-240D50BR	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	866	867	867	867	867	863	864	865	866	867	867	867	867	863	864	865			
5	863	872	880	886	890	889	889	885	878	867	855	846	841	837	844	853			
10	870	884	895	902	910	914	919	916	902	875	845	822	811	811	827	849			
15	886	903	911	915	925	938	953	953	933	890	836	794	777	783	816	855			
20	907	924	927	924	933	959	986	986	958	902	823	760	735	748	804	866			
25	923	942	941	924	928	972	1012	1007	972	904	803	715	684	702	783	872			
30	932	952	947	911	902	972	1024	1017	977	893	773	660	629	648	750	868			
35	934	954	941	884	851	956	1022	1020	979	873	734	612	586	599	706	850			
40	933	949	915	843	780	918	999	1020	983	852	692	576	553	561	660	826			
45	931	934	862	781	698	848	949	1013	989	829	652	544	521	525	615	796			
50	920	908	782	694	613	746	871	990	970	798	617	506	485	484	574	764			
55	913	869	685	588	531	626	768	959	970	770	571	454	437	435	528	732			
60	919	825	583	488	431	522	648	930	987	740	508	387	379	374	472	698			
65	953	776	490	384	309	428	534	905	1034	689	429	315	317	305	398	657			
70	1035	718	422	267	201	319	454	832	1025	626	340	247	254	239	314	600			
75	882	596	420	158	117	193	465	600	788	534	254	187	182	182	230	523			
80	546	341	376	75.5	56.2	88.9	408	295	439	365	188	124	108	118	171	381			
85	177	101	152	21.1	11.6	26.0	146	62.4	93.6	122	105	79.8	66.3	78.2	109	156			
90	7.40	2.97	2.22	1.68	1.52	1.61	2.17	2.99	3.48	3.26	3.67	12.6	3.73	8.77	5.71	6.11			
95	3.76	3.30	2.56	1.97	1.78	1.85	2.43	3.25	3.89	3.66	2.91	2.34	2.22	2.64	3.51	4.09			
100	4.18	3.70	2.92	2.31	2.09	2.15	2.69	3.54	4.33	4.10	3.32	2.78	2.68	3.14	3.99	4.54			
105	4.64	4.14	3.32	2.68	2.43	2.49	2.99	3.85	4.74	4.49	3.73	3.23	3.17	3.65	4.46	4.97			
110	5.03	4.55	3.75	3.07	2.78	2.83	3.36	4.13	5.06	4.85	4.14	3.68	3.69	4.18	4.94	5.35			
115	5.36	4.94	4.18	3.48	3.17	3.20	3.72	4.45	5.37	5.17	4.54	4.13	4.19	4.70	5.38	5.74			
120	5.73	5.36	4.62	3.90	3.57	3.60	4.12	4.79	5.72	5.51	4.96	4.60	4.68	5.19	5.80	6.19			
125	6.17	5.82	5.06	4.32	3.96	4.02	4.53	5.20	6.14	5.94	5.42	5.07	5.15	5.65	6.26	6.64			
130	6.63	6.28	5.51	4.77	4.39	4.45	4.96	5.65	6.62	6.43	5.88	5.55	5.62	6.10	6.71	7.09			
135	7.11	6.72	5.93	5.22	4.84	4.89	5.38	6.10	7.05	6.84	6.30	6.00	6.08	6.51	7.09	7.50			
140	7.53	7.11	6.30	5.67	5.32	5.34	5.78	6.48	7.37	7.15	6.67	6.43	6.52	6.89	7.39	7.80			
145	7.85	7.39	6.64	6.09	5.77	5.77	6.14	6.78	7.59	7.39	7.01	6.84	6.93	7.23	7.64	8.00			
150	8.05	7.60	6.96	6.49	6.22	6.18	6.48	7.03	7.77	7.60	7.34	7.24	7.33	7.55	7.86	8.14			
155	8.18	7.80	7.27	6.86	6.64	6.59	6.83	7.26	7.95	7.81	7.64	7.61	7.69	7.84	8.07	8.27			
160	8.32	7.99	7.56	7.23	7.07	7.01	7.19	7.52	8.16	8.04	7.93	7.97	8.04	8.13	8.28	8.44			
165	8.43	8.17	7.82	7.56	7.47	7.41	7.57	7.79	8.34	8.24	8.17	8.23	8.32	8.35	8.44	8.56			
170	8.53	8.30	8.04	7.85	7.82	7.77	7.92	8.06	8.47	8.36	8.29	8.35	8.45	8.43	8.50	8.59			
175	8.59	8.39	8.21	8.10	8.12	8.06	8.19	8.29	8.55	8.43	8.34	8.36	8.45	8.41	8.47	8.56			
180	8.60	8.45	8.32	8.28	8.34	8.29	8.40	8.47	8.59	8.45	8.32	8.28	8.35	8.30	8.36	8.47			

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: