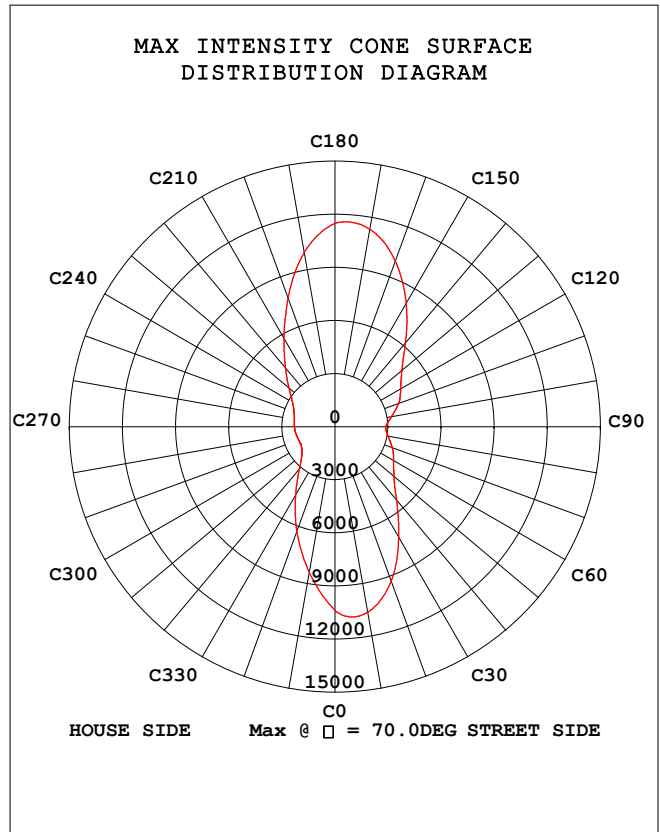
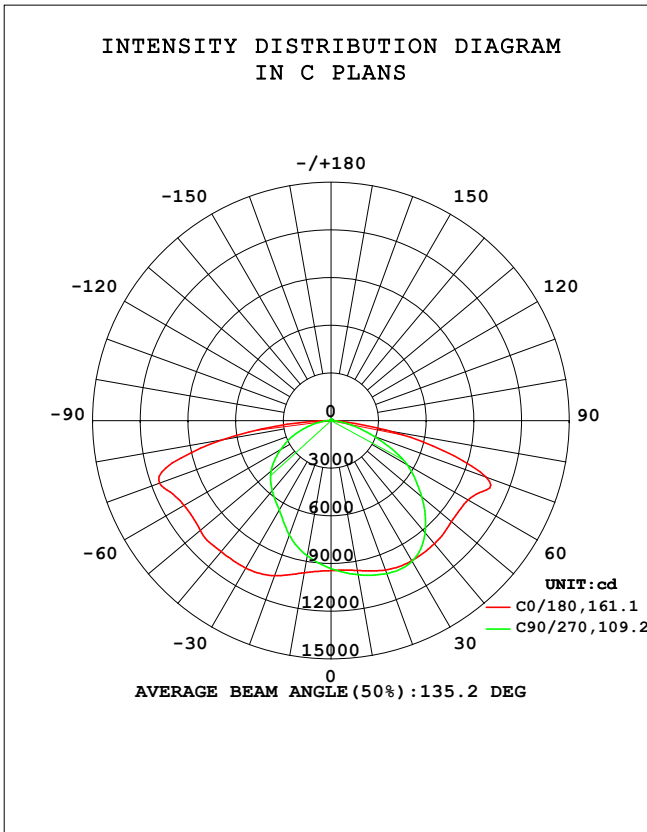


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.8V I:1.941A P:234.1W PF:0.9980 Freq:60.00Hz Lamp Flux:39470.2x1 lm		
NAME: ASD-LSB5A-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: 168.60 lm/W			
MODEL		Imax(cd)	11488	<input type="checkbox"/> street_up(%)	0.4
NOMINAL POWER(W)	240	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	55.8
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	39470	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	39470.2	MAXIMUM @ (C,□)	180,70.0	<input type="checkbox"/> house_down(%)	43.3
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	25.589

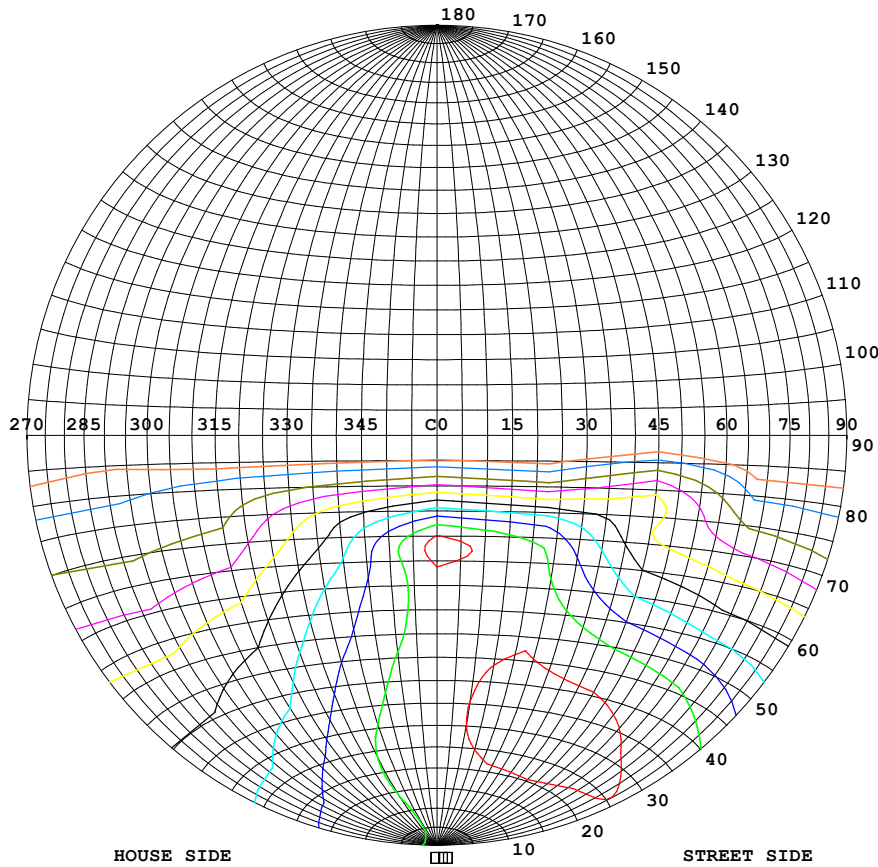


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-28

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:120.8V I:1.941A P:234.1W PF:0.9980 Freq:60.00Hz Lamp Flux:39470.2x1 lm		
NAME: ASD-LSB5A-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:



Classification:

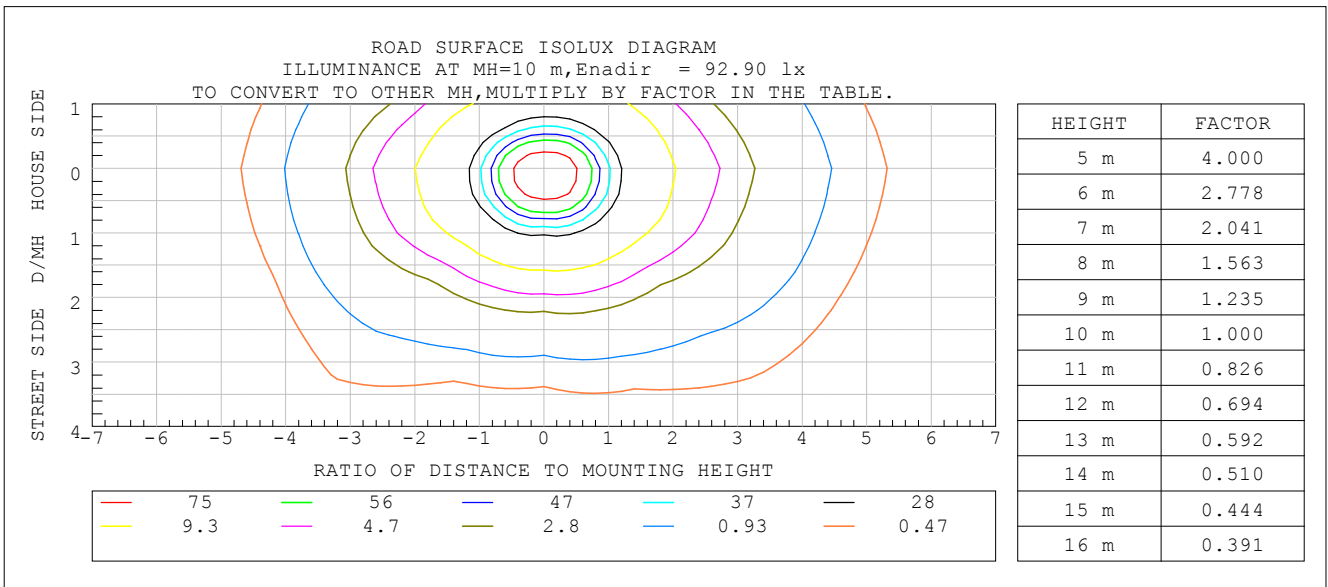
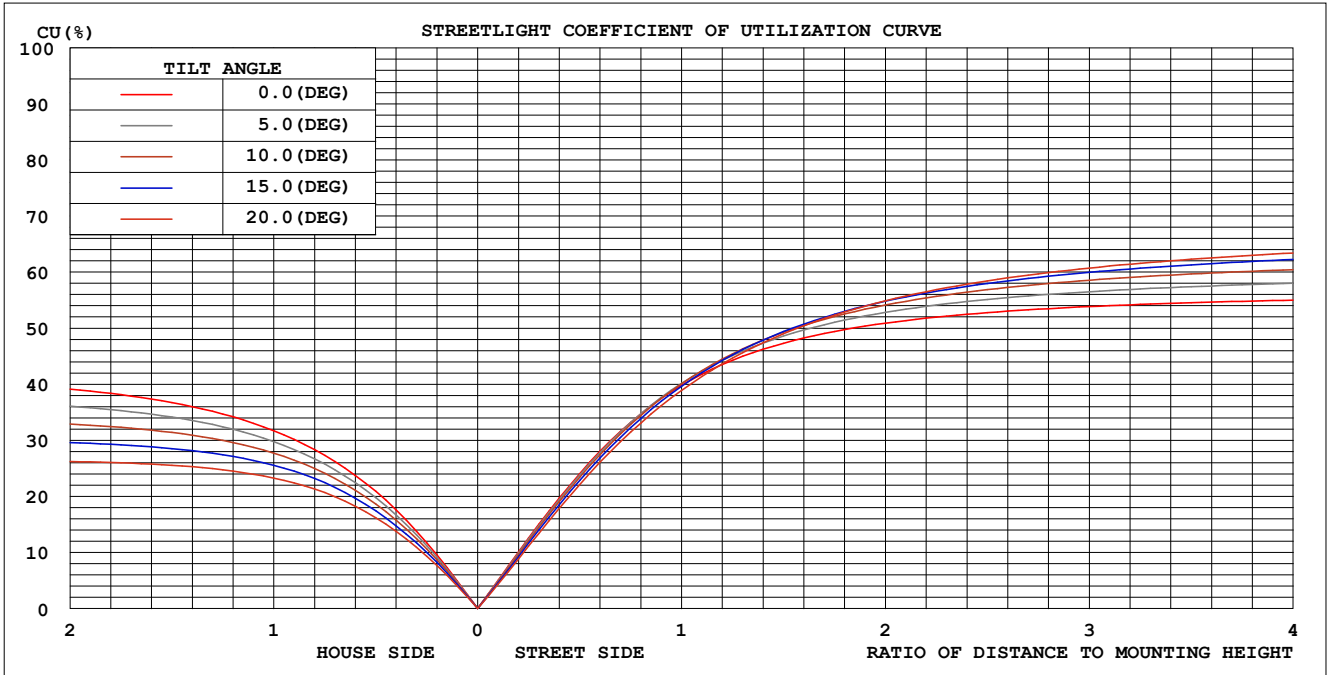
IES:Type VS - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:174.8cd/klm
 Max.At90:12.87cd/klm
 Max.80-90:174.8cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	11488
— 90%	10339
— 80%	9190
— 70%	8041
— 60%	6893
— 50%	5744
— 40%	4595
— 30%	3446
— 20%	2298
— 10%	1149
— 5%	574

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-28

□ 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: 2023-09-28

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:120.8V I:1.941A P:234.1W PF:0.9980 Freq:60.00Hz Lamp Flux:39470.2x1 lm		
NAME: ASD-LSB5A-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:

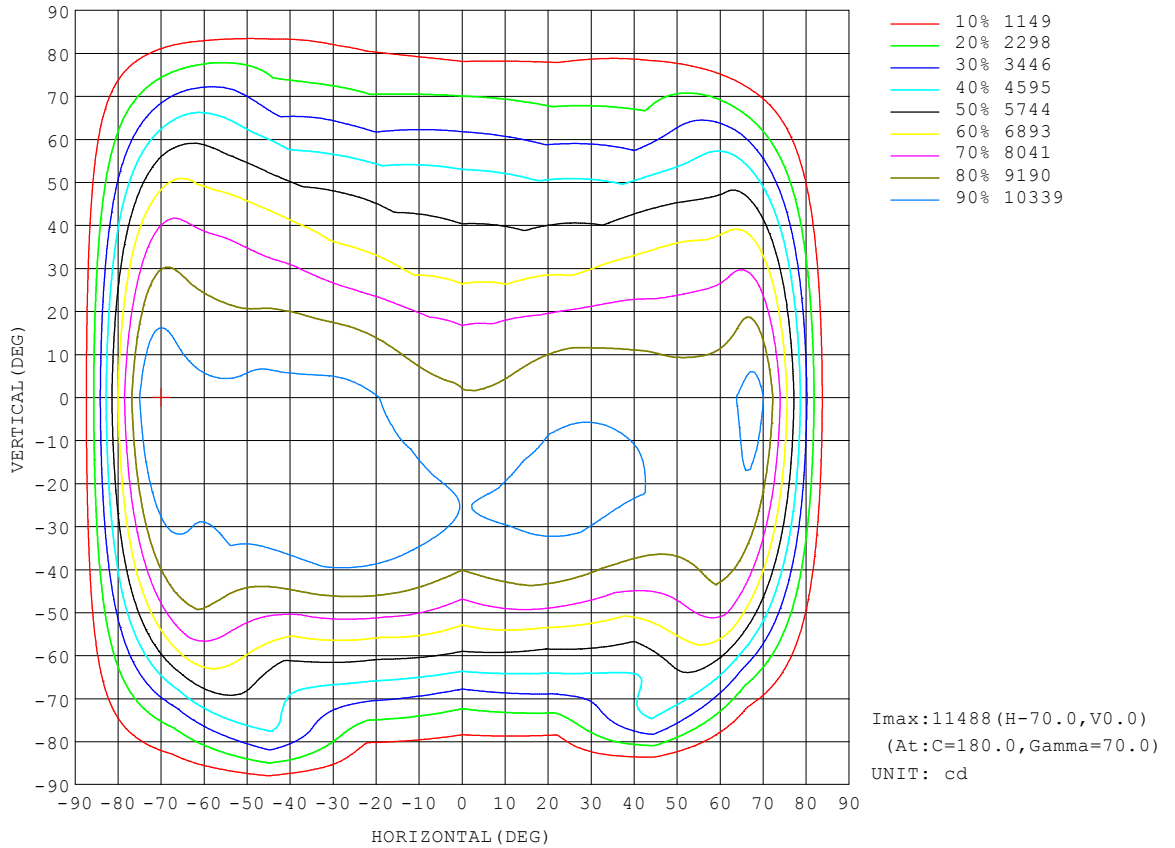
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	ℓlum,lamp
10	957.7	982.3	985.2	984.2	971.8	906.2	864.6	891.6	0- 10	895.6	895.6	2.27,2.27
20	1001	1032	1024	1058	1039	876.5	767.7	851.9	10- 20	2694	3589	9.09,9.09
30	1018	1063	1022	1121	1072	822.4	651.8	765.8	20- 30	4399	7989	20.2,20.2
40	1012	1040	921.1	1123	1077	735.7	576.8	663.3	30- 40	5774	13763	34.9,34.9
50	989.5	912.1	745.0	1021	1075	662.4	493.1	573.4	40- 50	6645	20408	51.7,51.7
60	997.6	689.9	553.5	798.2	1068	551.3	367.7	441.0	50- 60	6738	27145	68.8,68.8
70	1038	477.7	287.0	545.9	1149	384.6	230.0	271.9	60- 70	6145	33290	84.3,84.3
80	358.1	426.4	91.24	482.2	690.1	211.1	90.20	142.5	70- 80	4512	37802	95.8,95.8
90	3.929	2.376	1.537	50.78	20.77	5.997	2.269	3.457	80- 90	1313	39115	99.1,99.1
100	4.865	3.121	1.992	2.552	4.471	3.876	3.303	4.601	90-100	40.01	39155	99.2,99.2
110	5.764	4.008	2.699	3.266	5.365	4.847	4.481	5.720	100-110	42.85	39198	99.3,99.3
120	6.577	4.937	3.518	4.061	6.105	5.742	5.577	6.744	110-120	49.03	39247	99.4,99.4
130	7.568	5.861	4.419	4.965	7.051	6.730	6.606	7.672	120-130	52.50	39299	99.6,99.6
140	8.465	6.678	5.361	5.888	7.970	7.626	7.532	8.312	130-140	52.52	39352	99.7,99.7
150	8.885	7.379	6.347	6.712	8.462	8.291	8.337	8.786	140-150	47.38	39399	99.8,99.8
160	9.103	8.054	7.360	7.541	8.882	8.836	8.993	9.164	150-160	37.76	39437	99.9,99.9
170	9.300	8.635	8.260	8.346	9.221	9.116	9.250	9.287	160-170	24.64	39462	100,100
180	9.360	9.034	8.951	8.987	9.376	9.048	8.965	8.990	170-180	8.571	39470	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:2023-09-28

□ 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

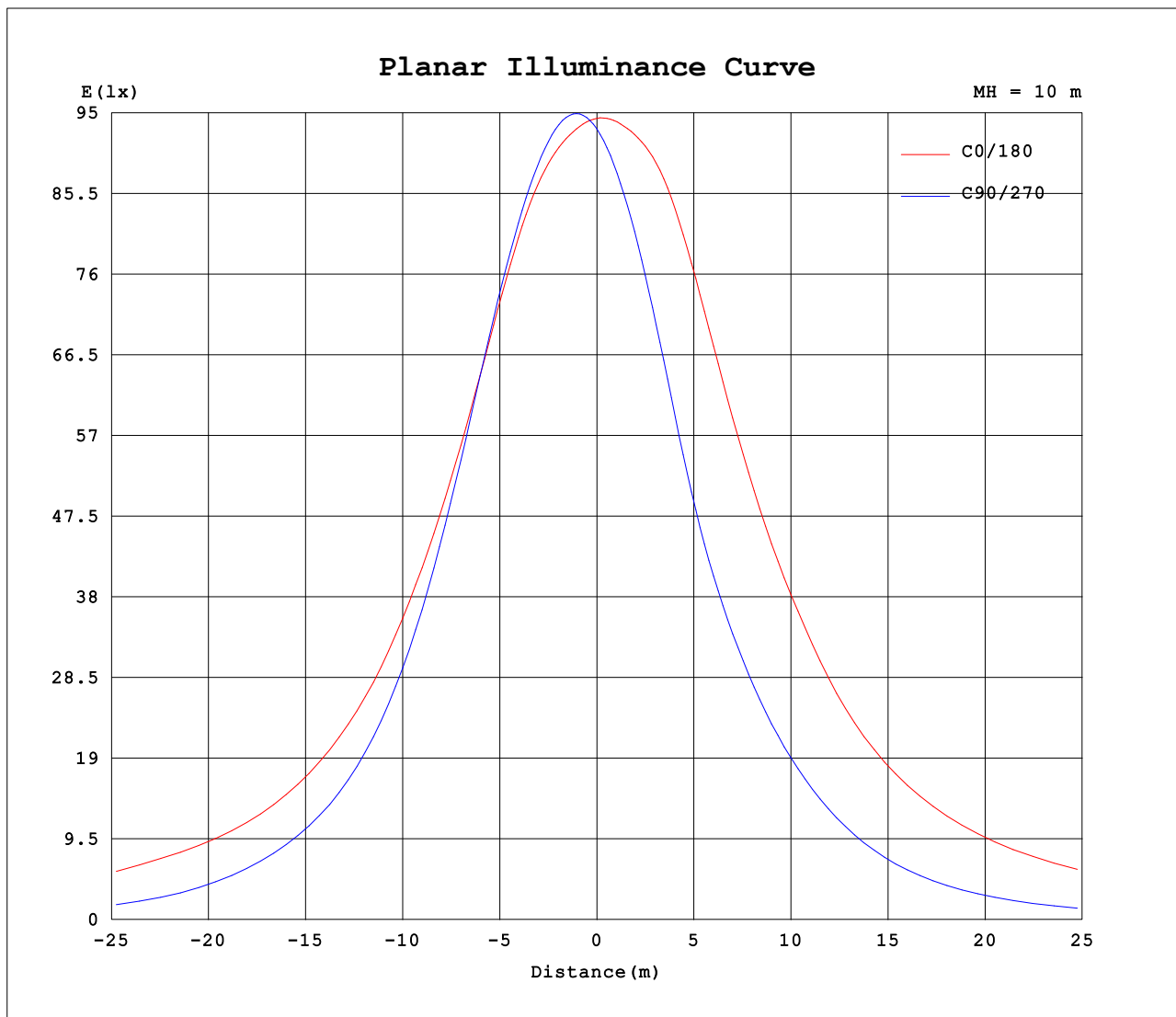
Test:U:120.8V I:1.941A P:234.1W PF:0.9980 Freq:60.00Hz Lamp Flux:39470.2x1 lm		
NAME: ASD-LSB5A-PRO-240BR_240W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-28

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



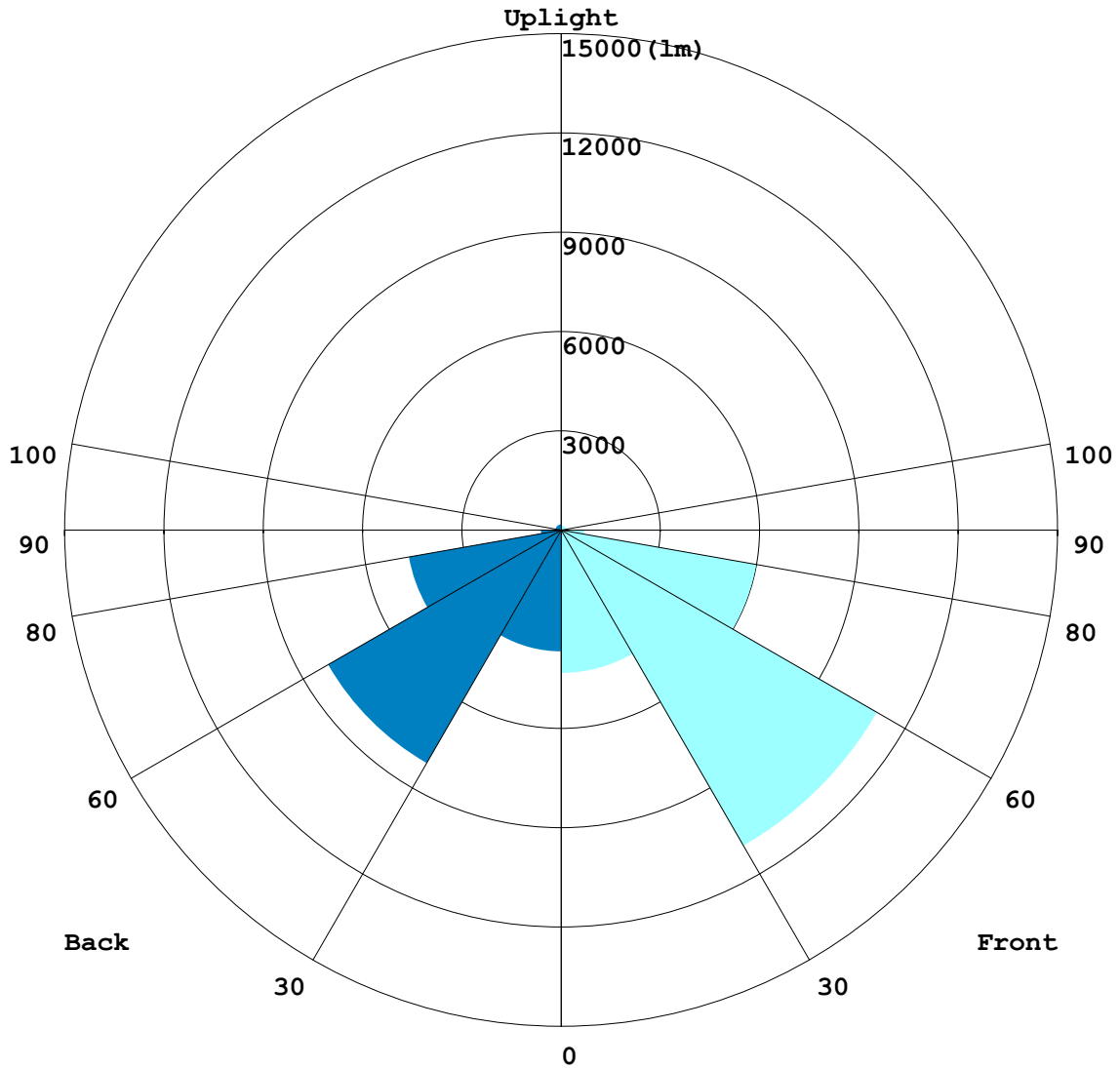
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-28

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:120.8V I:1.941A P:234.1W PF:0.9980 Freq:60.00Hz Lamp Flux:39470.2x1 lm		
NAME: ASD-LSB5A-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:2023-09-28

□ 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:120.8V I:1.941A P:234.1W PF:0.9980 Freq:60.00Hz Lamp Flux:39470.2x1 lm		
NAME: ASD-LSB5A-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)	4323.4	11.0
FM - Front-Medium(30-60)	11021	27.9
FH - Front-High(60-80)	5989.3	15.2
FVH - Front-Very High(80-90)	695.47	1.8
Total Forward Light	22189	56.2

BL - Back-Low(0-30)	3665.4	9.3
BM - Back-Medium(30-60)	8135.5	20.6
BH - Back-High(60-80)	4667.7	11.8
BVH - Back-Very High(80-90)	617.19	1.6
Total Back Light	17282	43.8

UL - Uplight-Low(90-100)	40.012	0.1
UH - Uplight-High(100-180)	315.26	0.8
Total Up Light	355.27	0.9

BUG(Back,Up,Glare) Rating	B4-U3-G4
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	17086	195.79	17282
Street Side	22029	159.49	22189

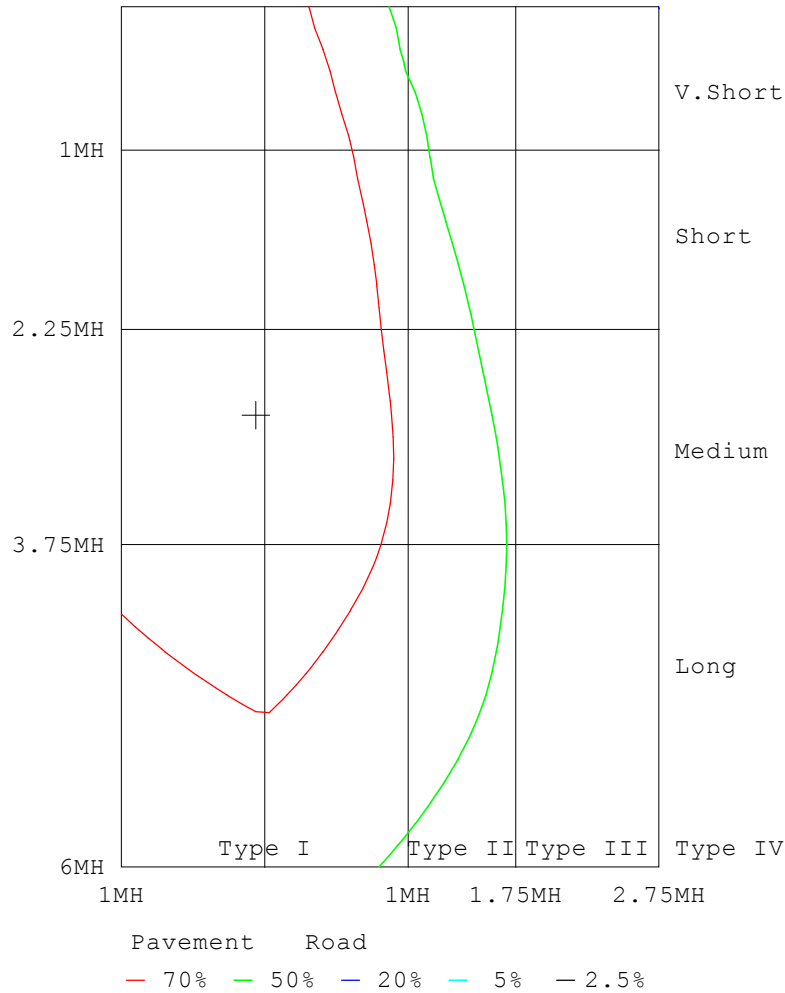
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-09-28

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:120.8V I:1.941A P:234.1W PF:0.9980 Freq:60.00Hz Lamp Flux:39470.2x1 lm		
NAME: ASD-LSB5A-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:2023-09-28

□ 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:120.8V I:1.941A P:234.1W PF:0.9980 Freq:60.00Hz Lamp Flux:39470.2x1 lm		
NAME: ASD-LSB5A-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	944	941	939	937	931	929	929	928	944	941	939	937	931	929	929	928			
5	945	953	959	962	960	958	954	946	952	936	921	910	900	900	908	918			
10	958	974	982	986	985	986	984	973	972	939	906	881	865	870	892	919			
15	979	1001	1008	1008	1007	1013	1019	1012	1004	952	892	847	821	834	876	925			
20	1001	1027	1032	1026	1024	1038	1058	1055	1039	967	876	805	768	787	852	931			
25	1014	1045	1052	1039	1032	1059	1095	1089	1062	976	854	751	706	727	815	928			
30	1018	1053	1063	1039	1022	1067	1121	1109	1072	970	822	693	652	668	766	910			
35	1017	1056	1061	1024	985	1056	1132	1119	1075	952	780	648	613	622	712	886			
40	1012	1053	1040	994	921	1025	1123	1124	1077	933	736	612	577	582	663	857			
45	1004	1042	990	935	838	967	1089	1126	1083	911	698	576	539	540	621	825			
50	989	1019	912	840	745	878	1021	1113	1075	885	662	532	493	489	573	790			
55	986	991	807	709	651	762	924	1080	1062	855	615	473	434	427	516	760			
60	998	963	690	584	553	639	798	1041	1068	829	551	399	368	354	441	720			
65	1055	942	577	479	422	524	665	1002	1097	787	472	322	301	282	356	655			
70	1038	882	478	356	287	397	546	951	1149	718	385	252	230	219	272	582			
75	733	647	490	217	175	260	484	823	1034	631	286	190	155	157	205	482			
80	358	279	426	101	91.2	135	482	545	690	460	211	127	90.2	102	142	245			
85	63.4	42.1	143	28.1	30.8	51.6	313	224	277	203	122	70.3	42.0	51.7	28.2	40.3			
90	3.93	3.32	2.38	1.69	1.54	4.87	50.8	29.3	20.8	11.5	6.00	10.5	2.27	2.66	3.46	4.14			
95	4.37	3.71	2.75	1.99	1.69	1.76	2.27	3.02	3.99	3.99	3.39	2.80	2.75	3.21	4.05	4.71			
100	4.87	4.15	3.12	2.34	1.99	2.04	2.55	3.33	4.47	4.50	3.88	3.33	3.30	3.79	4.60	5.26			
105	5.35	4.63	3.55	2.73	2.34	2.38	2.88	3.71	4.96	4.98	4.36	3.86	3.89	4.39	5.17	5.73			
110	5.76	5.07	4.01	3.14	2.70	2.74	3.27	4.11	5.37	5.40	4.85	4.37	4.48	4.98	5.72	6.16			
115	6.15	5.51	4.47	3.56	3.10	3.12	3.66	4.48	5.72	5.75	5.29	4.87	5.04	5.54	6.24	6.61			
120	6.58	5.97	4.94	4.01	3.52	3.54	4.06	4.84	6.10	6.11	5.74	5.39	5.58	6.07	6.74	7.07			
125	7.06	6.45	5.40	4.47	3.96	3.98	4.50	5.25	6.54	6.54	6.23	5.91	6.10	6.57	7.23	7.55			
130	7.57	6.93	5.86	4.94	4.42	4.45	4.97	5.74	7.05	7.07	6.73	6.43	6.61	7.03	7.67	8.02			
135	8.07	7.38	6.30	5.41	4.89	4.93	5.44	6.22	7.56	7.59	7.21	6.92	7.08	7.46	8.02	8.38			
140	8.47	7.75	6.68	5.86	5.36	5.40	5.89	6.68	7.97	7.98	7.63	7.37	7.53	7.85	8.31	8.64			
145	8.73	8.01	7.03	6.32	5.84	5.88	6.30	7.06	8.26	8.26	7.98	7.79	7.95	8.21	8.56	8.81			
150	8.88	8.23	7.38	6.77	6.35	6.35	6.71	7.38	8.46	8.47	8.29	8.18	8.34	8.53	8.79	8.95			
155	9.00	8.43	7.72	7.21	6.85	6.83	7.11	7.66	8.66	8.67	8.57	8.55	8.68	8.81	8.98	9.08			
160	9.10	8.63	8.05	7.64	7.36	7.33	7.54	7.97	8.88	8.88	8.84	8.88	8.99	9.06	9.16	9.23			
165	9.21	8.83	8.36	8.04	7.84	7.81	7.96	8.29	9.08	9.05	9.03	9.09	9.20	9.22	9.29	9.32			
170	9.30	9.00	8.64	8.39	8.26	8.24	8.35	8.59	9.22	9.16	9.12	9.15	9.25	9.23	9.29	9.32			
175	9.36	9.12	8.86	8.70	8.64	8.61	8.69	8.86	9.32	9.20	9.11	9.09	9.16	9.11	9.18	9.23			
180	9.36	9.21	9.03	8.96	8.95	8.92	8.99	9.09	9.38	9.20	9.05	8.95	8.97	8.91	8.99	9.09			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-28

□ 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: