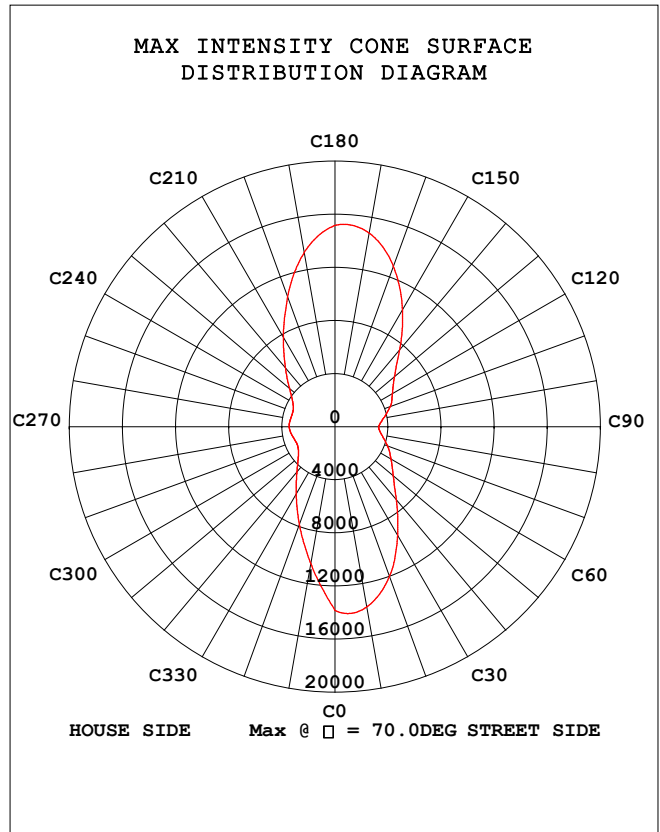
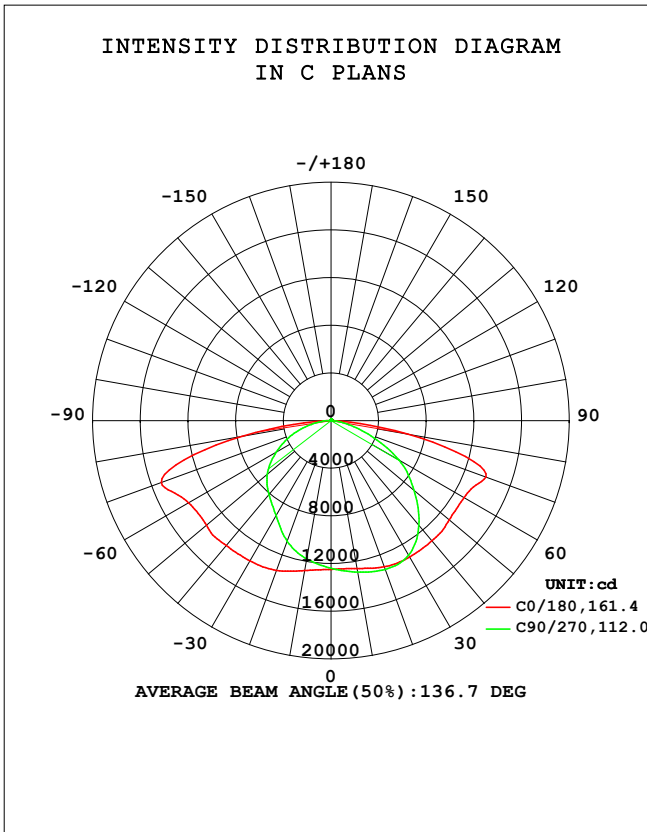


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:277.2V I:1.070A P:294.9W PF:0.9947 Freq:59.98Hz Lamp Flux:51345.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-300BR_300W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 174.11 lm/W			
MODEL		Imax(cd)	15163	<input type="checkbox"/> street_up(%)	0.4
NOMINAL POWER(W)	300	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	54.7
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	51346	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	51345.8	MAXIMUM @ (C,□ )	180,70.0	<input type="checkbox"/> house_down(%)	44.4
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	26.263

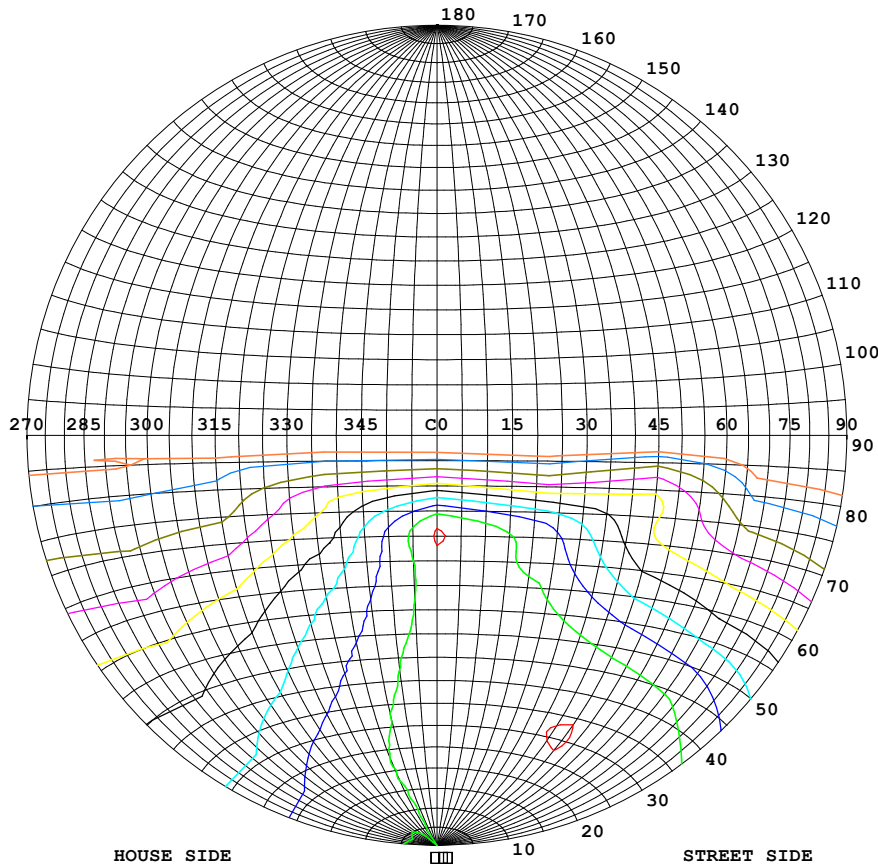


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2023-09-25

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:277.2V I:1.070A P:294.9W PF:0.9947 Freq:59.98Hz Lamp Flux:51345.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-300BR_300W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:



**Classification:**

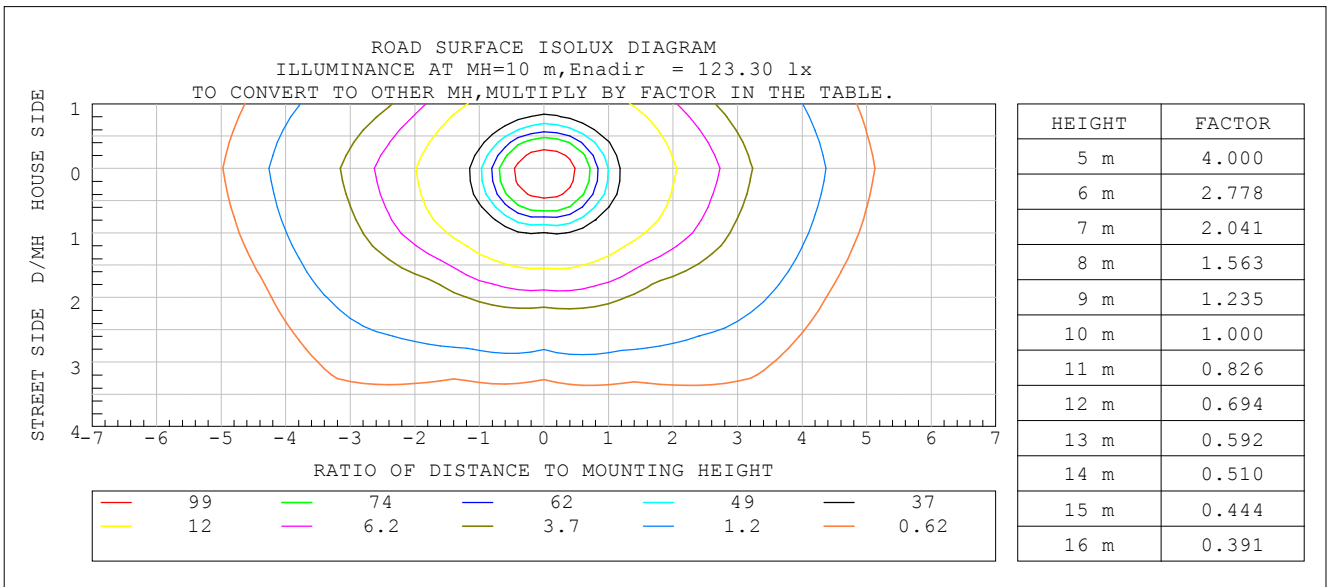
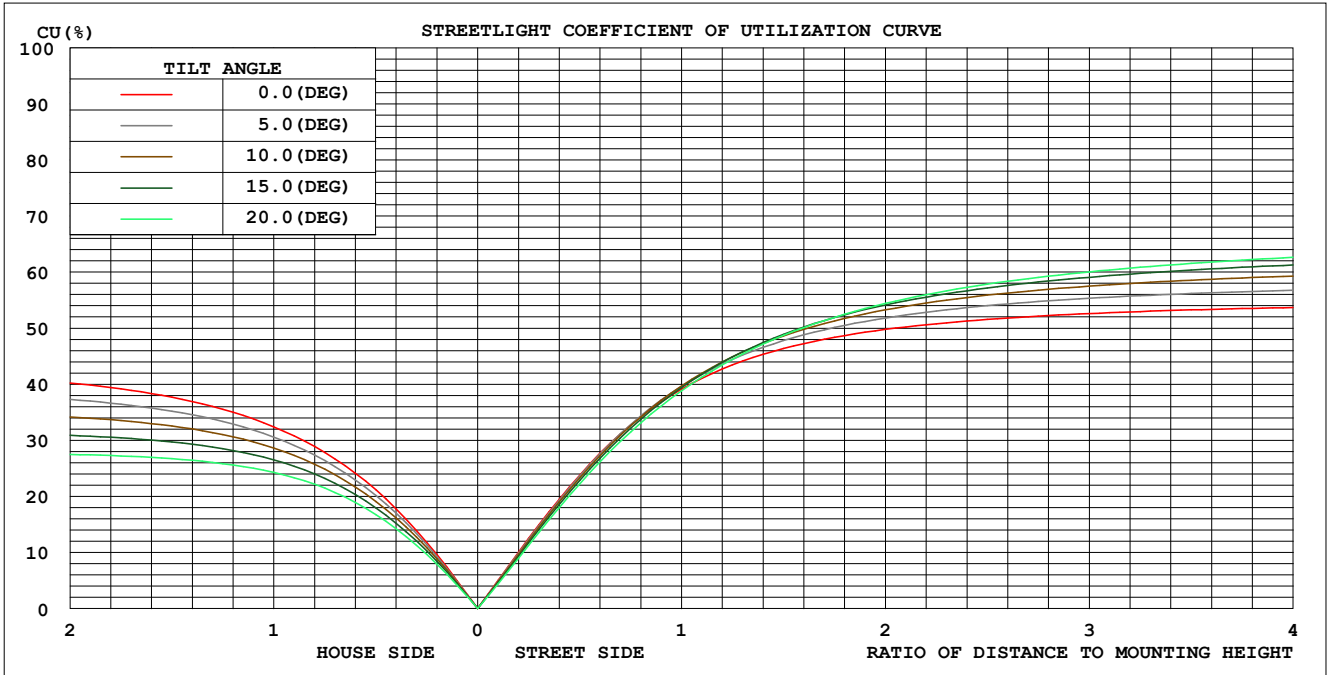
IES:Type VS - Medium  
 CIE:Narrow - Long  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:148.0cd/klm  
 Max.At90:2.383cd/klm  
 Max.80-90:148.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	15163
90%	13646
80%	12130
70%	10614
60%	9098
50%	7581
40%	6065
30%	4549
20%	3033
10%	1516
5%	758

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-25

□ 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: 2023-09-25

□ 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:277.2V I:1.070A P:294.9W PF:0.9947 Freq:59.98Hz Lamp Flux:51345.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-300BR_300W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:

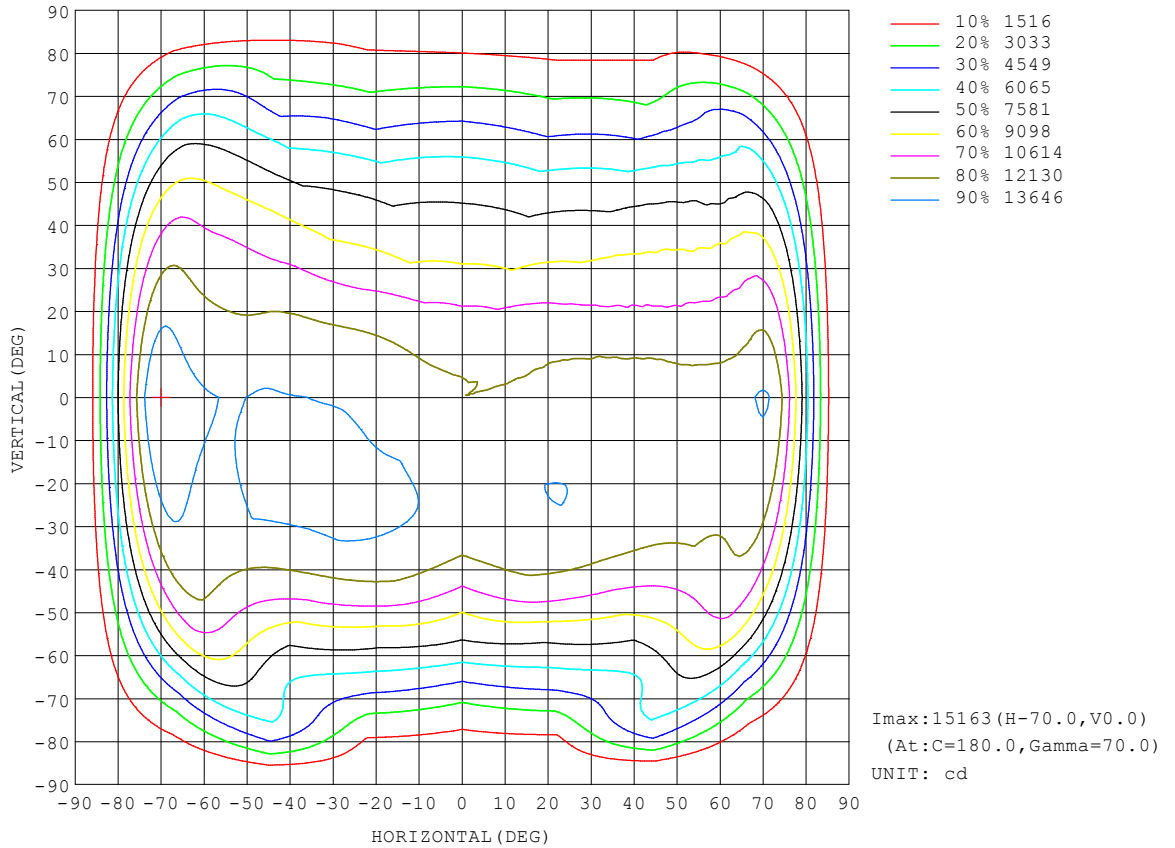
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum,lamp
10	1260	1282	1291	1288	1278	1215	1178	1197	0- 10	1184	1184	2.31,2.31
20	1306	1335	1329	1361	1337	1184	1077	1157	10- 20	3550	4734	9.22,9.22
30	1322	1368	1303	1414	1360	1105	923.0	1057	20- 30	5760	10495	20.4,20.4
40	1317	1329	1148	1393	1369	979.9	811.8	919.3	30- 40	7499	17994	35,35
50	1296	1172	909.3	1240	1366	874.3	699.6	796.9	40- 50	8592	26586	51.8,51.8
60	1290	900.4	657.8	950.2	1381	732.4	531.0	638.7	50- 60	8685	35270	68.7,68.7
70	1383	635.2	329.2	656.6	1516	509.5	346.9	399.3	60- 70	7919	43190	84.1,84.1
80	655.8	580.9	100.3	596.1	759.7	273.6	152.1	181.0	70- 80	5996	49186	95.8,95.8
90	5.096	3.254	2.141	3.449	4.911	5.424	3.866	4.229	80- 90	1694	50879	99.1,99.1
100	6.174	4.267	2.947	3.634	6.106	4.947	3.897	5.681	90-100	50.01	50929	99.2,99.2
110	7.331	5.445	3.946	4.714	7.197	6.146	5.349	7.138	100-110	57.52	50987	99.3,99.3
120	8.308	6.672	5.054	5.685	8.173	7.298	6.765	8.480	110-120	64.95	51052	99.4,99.4
130	9.589	7.903	6.221	6.973	9.457	8.600	8.102	9.735	120-130	69.23	51121	99.6,99.6
140	10.86	9.000	7.555	8.108	10.60	9.742	9.358	10.65	130-140	69.00	51190	99.7,99.7
150	11.52	9.914	8.822	9.197	11.22	10.65	10.49	11.35	140-150	62.30	51252	99.8,99.8
160	11.87	10.75	10.06	10.21	11.76	11.44	11.49	11.98	150-160	49.70	51302	99.9,99.9
170	12.20	11.45	11.13	11.45	12.18	11.90	12.05	12.31	160-170	32.44	51334	100,100
180	12.29	11.87	11.88	12.16	12.32	11.88	11.87	12.13	170-180	11.32	51346	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:2023-09-25

□ 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

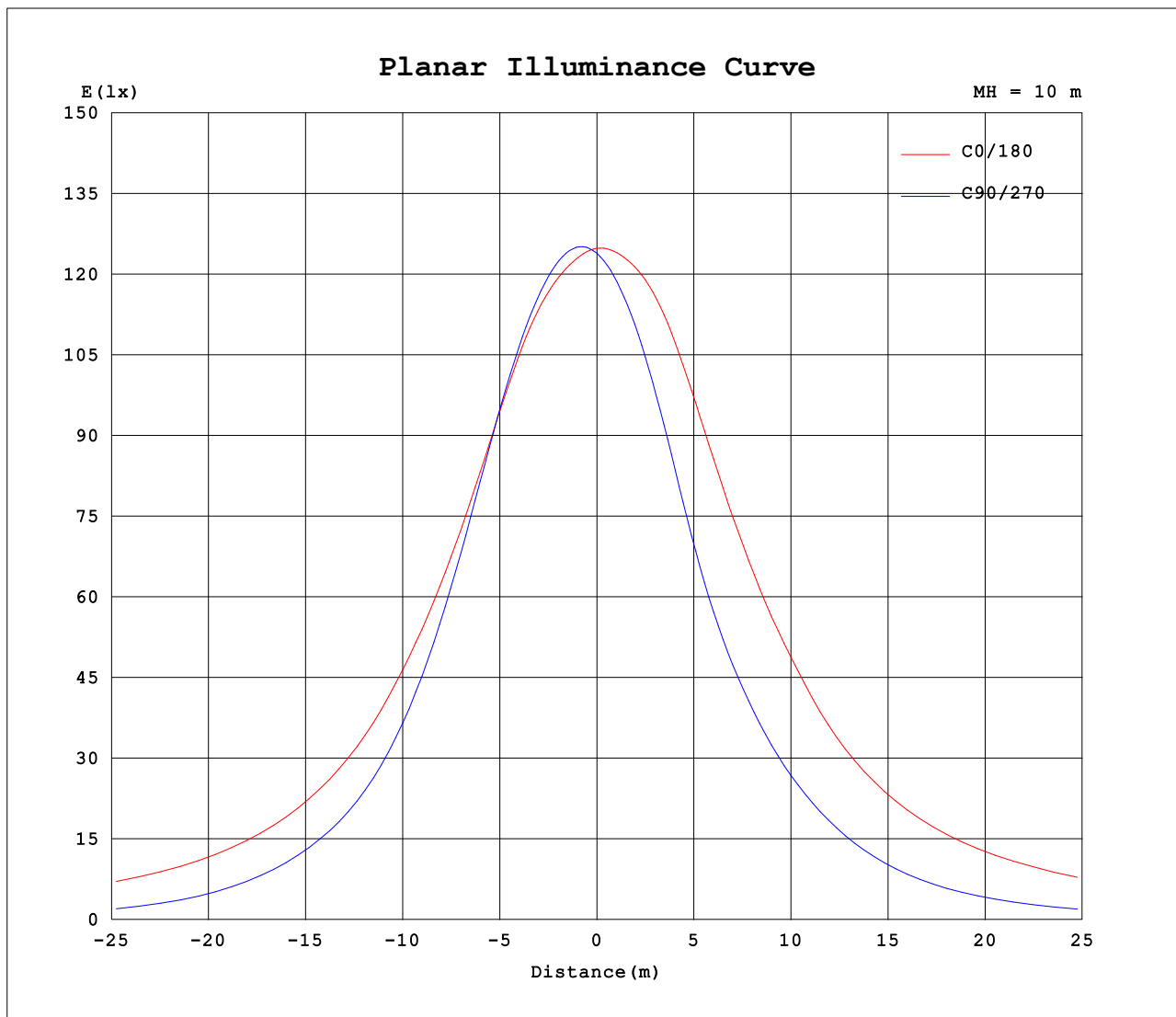
Test:U:277.2V I:1.070A P:294.9W PF:0.9947 Freq:59.98Hz Lamp Flux:51345.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-300BR_300W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-25

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



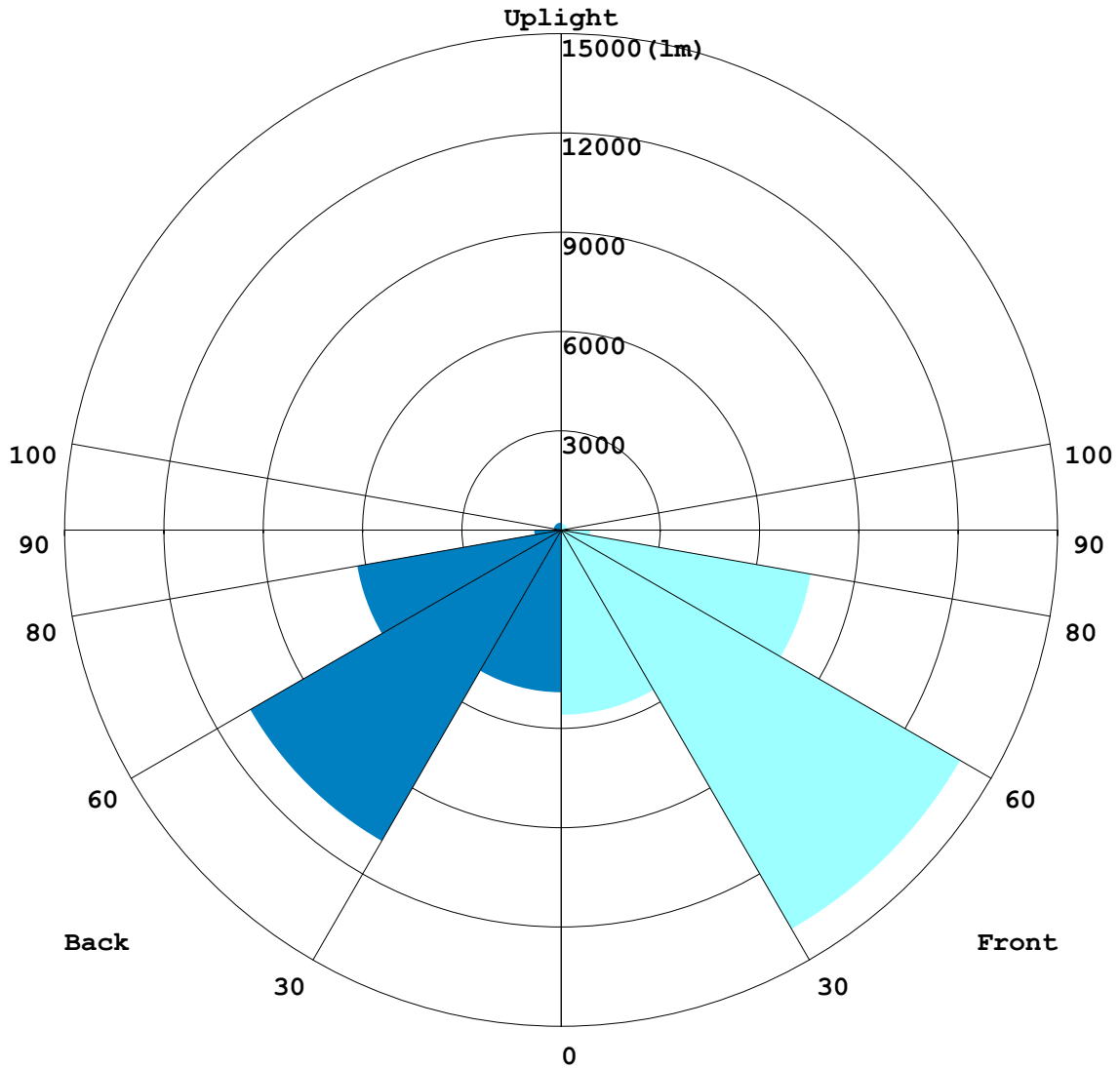
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2023-09-25

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:277.2V I:1.070A P:294.9W PF:0.9947 Freq:59.98Hz Lamp Flux:51345.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-300BR_300W_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:2023-09-25

□ 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:277.2V I:1.070A P:294.9W PF:0.9947 Freq:59.98Hz Lamp Flux:51345.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-300BR_300W_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)	5584.8	10.9
FM - Front-Medium(30-60)	13926	27.1
FH - Front-High(60-80)	7664.6	14.9
FVH - Front-Very High(80-90)	884.64	1.7
Total Forward Light	28273	55.1

BL - Back-Low(0-30)	4910.1	9.6
BM - Back-Medium(30-60)	10849	21.1
BH - Back-High(60-80)	6250.8	12.2
BVH - Back-Very High(80-90)	808.86	1.6
Total Back Light	23072	44.9

UL - Uplight-Low(90-100)	50.01	0.1
UH - Uplight-High(100-180)	416.47	0.8
Total Up Light	466.48	0.9

BUG(Back,Up,Glare) Rating	B5-U3-G?
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	22819	253.61	23072
Street Side	28061	212.87	28273

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:lianghaizhu  
Test Date:2023-09-25

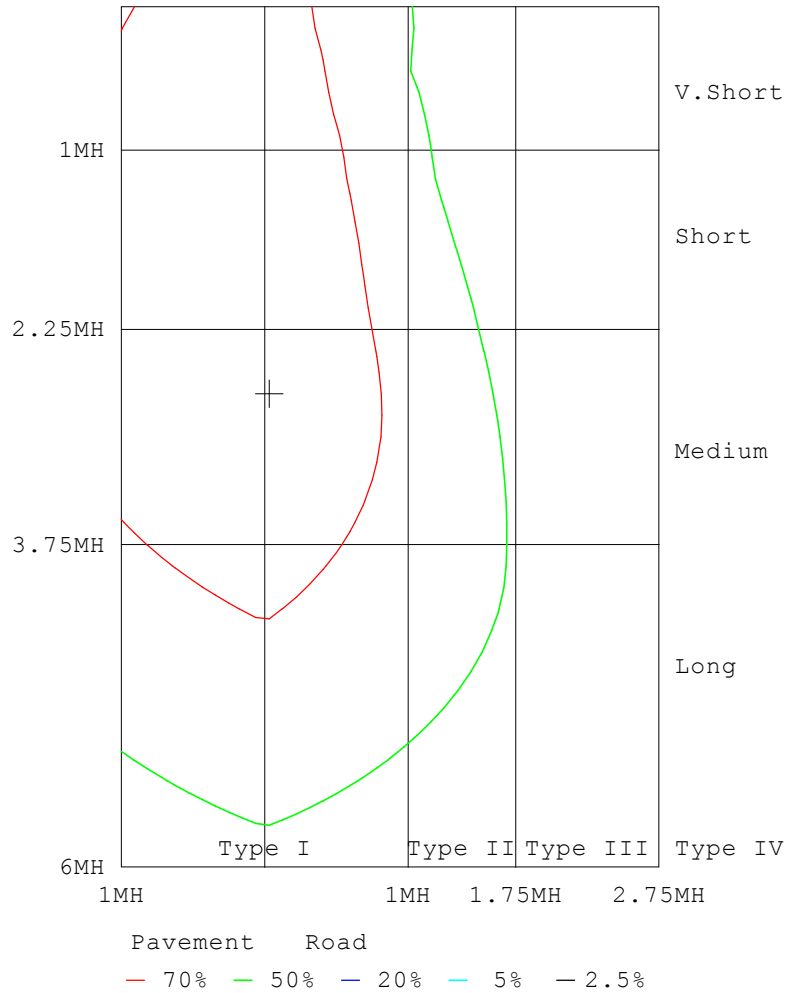
Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:277.2V I:1.070A P:294.9W PF:0.9947 Freq:59.98Hz Lamp Flux:51345.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-300BR_300W_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:2023-09-25

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:277.2V I:1.070A P:294.9W PF:0.9947 Freq:59.98Hz Lamp Flux:51345.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-300BR_300W_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	1248	1245	1242	1241	1239	1233	1233	1208	1248	1245	1242	1241	1239	1233	1233	1208			
5	1248	1254	1260	1264	1266	1260	1258	1233	1257	1241	1227	1216	1211	1206	1213	1204			
10	1260	1274	1282	1287	1291	1288	1288	1271	1278	1247	1215	1190	1178	1177	1197	1197			
15	1283	1302	1308	1310	1313	1317	1323	1299	1309	1260	1202	1156	1136	1140	1181	1195			
20	1306	1330	1335	1328	1329	1343	1361	1340	1337	1273	1184	1108	1077	1088	1157	1198			
25	1319	1349	1358	1340	1330	1361	1394	1371	1354	1275	1153	1039	1001	1014	1117	1195			
30	1322	1357	1368	1334	1303	1361	1414	1388	1360	1264	1105	958	923	932	1057	1167			
35	1320	1359	1360	1310	1241	1339	1416	1400	1363	1244	1043	887	863	863	987	1140			
40	1317	1355	1329	1267	1148	1293	1393	1415	1369	1224	980	831	812	806	919	1102			
45	1314	1343	1266	1187	1034	1212	1335	1419	1381	1201	925	777	759	749	858	1066			
50	1296	1315	1172	1058	909	1084	1240	1403	1366	1166	874	716	700	682	797	1019			
55	1287	1270	1048	886	792	919	1112	1360	1361	1128	812	636	622	600	728	974			
60	1290	1223	900	730	658	763	950	1314	1381	1095	732	539	531	503	639	914			
65	1319	1179	754	594	490	621	785	1270	1445	1044	630	436	440	405	523	842			
70	1383	1143	635	439	329	461	657	1222	1516	968	509	341	347	315	399	729			
75	1168	931	630	275	198	294	631	1016	1274	835	378	257	245	234	278	626			
80	656	488	581	134	100	149	596	588	760	588	274	171	152	133	181	464			
85	168	115	248	43.0	27.3	55.2	300	186	230	233	152	101	67.6	70.5	104	149			
90	5.10	4.39	3.25	2.39	2.14	2.26	3.45	7.83	4.91	12.2	5.42	9.92	3.87	6.60	4.23	6.98			
95	5.56	4.89	3.76	2.80	2.51	2.54	3.54	8.29	5.47	5.28	4.35	3.51	3.23	3.83	4.96	7.64			
100	6.17	5.45	4.27	3.29	2.95	2.97	3.63	6.43	6.11	5.92	4.95	4.16	3.90	4.56	5.68	8.45			
105	6.80	6.06	4.84	3.83	3.43	3.43	4.08	5.52	6.71	6.49	5.55	4.81	4.61	5.30	6.41	9.12			
110	7.33	6.62	5.45	4.39	3.95	3.96	4.71	5.41	7.20	7.00	6.15	5.45	5.35	6.04	7.14	9.69			
115	7.80	7.17	6.05	4.98	4.51	4.49	5.14	5.85	7.66	7.47	6.70	6.09	6.07	6.77	7.82	10.2			
120	8.31	7.75	6.67	5.59	5.05	5.05	5.69	6.34	8.17	7.95	7.30	6.76	6.76	7.45	8.48	10.7			
125	8.92	8.38	7.29	6.20	5.64	5.63	6.37	6.92	8.77	8.56	7.94	7.43	7.44	8.10	9.12	10.9			
130	9.59	9.03	7.90	6.83	6.22	6.25	6.97	7.54	9.46	9.27	8.60	8.09	8.10	8.71	9.74	11.2			
135	10.3	9.66	8.49	7.46	6.86	6.88	7.60	8.16	10.1	9.90	9.22	8.72	8.74	9.28	10.2	11.3			
140	10.9	10.2	9.00	8.09	7.56	7.54	8.11	8.75	10.6	10.4	9.74	9.31	9.36	9.82	10.7	11.6			
145	11.3	10.6	9.47	8.68	8.19	8.17	8.67	9.22	11.0	10.7	10.2	9.88	9.94	10.3	11.0	11.8			
150	11.5	10.9	9.91	9.23	8.82	8.76	9.20	9.64	11.2	11.0	10.6	10.4	10.5	10.8	11.3	12.1			
155	11.7	11.1	10.3	9.76	9.42	9.35	9.69	10.0	11.5	11.3	11.1	10.9	11.0	11.2	11.7	12.2			
160	11.9	11.4	10.7	10.3	10.1	9.99	10.2	10.4	11.8	11.6	11.4	11.4	11.5	11.6	12.0	12.2			
165	12.0	11.7	11.1	10.8	10.6	10.5	10.7	10.8	12.0	11.9	11.7	11.8	11.9	11.9	12.2	12.1			
170	12.2	11.9	11.4	11.2	11.1	11.1	11.5	11.2	12.2	12.0	11.9	11.9	12.0	12.0	12.3	12.2			
175	12.3	12.0	11.7	11.5	11.6	11.5	11.9	11.5	12.3	12.1	11.9	11.9	12.0	12.0	12.3	12.0			
180	12.3	12.1	11.9	11.8	11.9	11.8	12.2	12.0	12.3	12.1	11.9	11.8	11.9	11.8	12.1	11.8			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2023-09-25

□ 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: