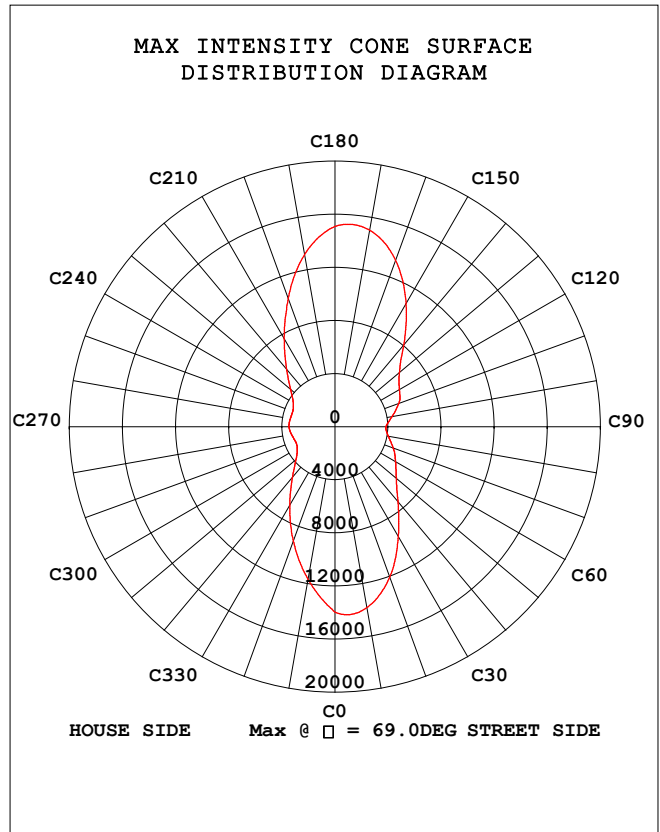
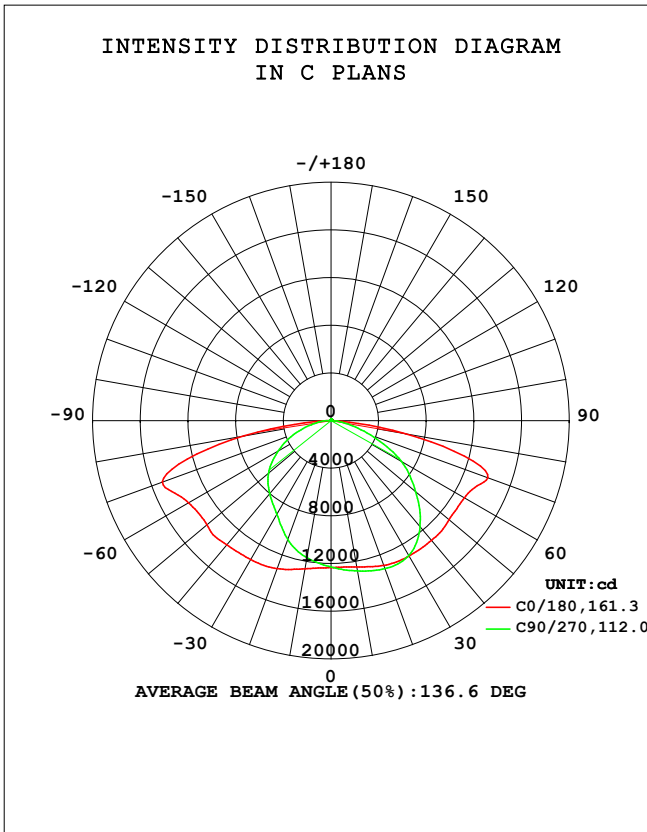


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:121.6V I:2.455A P:297.6W PF:0.9973 Freq:59.97Hz Lamp Flux:51503.7x1 lm		
NAME: ASD-LSB5A-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: 173.08 lm/W			
MODEL		Imax(cd)	15092	<input type="checkbox"/> street_up(%)	0.4
NOMINAL POWER(W)	300	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	55.1
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	51504	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	51503.7	MAXIMUM @ (C, \square)	180,69.0	<input type="checkbox"/> house_down(%)	44.0
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	26.240

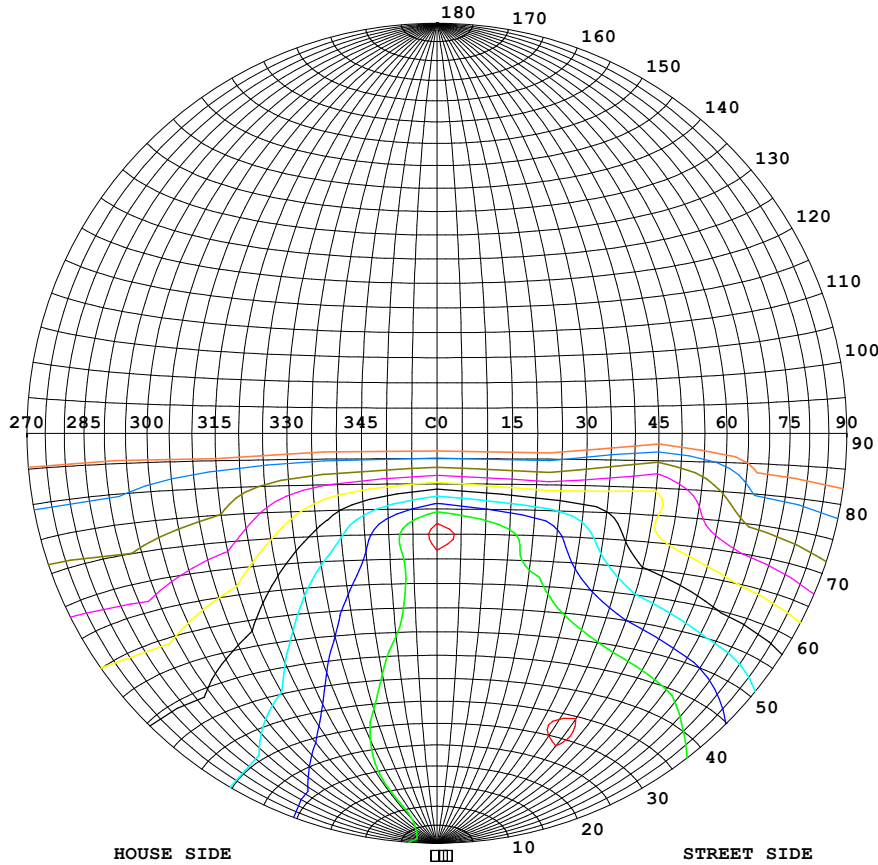


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-25

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:121.6V I:2.455A P:297.6W PF:0.9973 Freq:59.97Hz Lamp Flux:51503.7x1 lm		
NAME: ASD-LSB5A-PRO-300BR_300W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:



Classification:

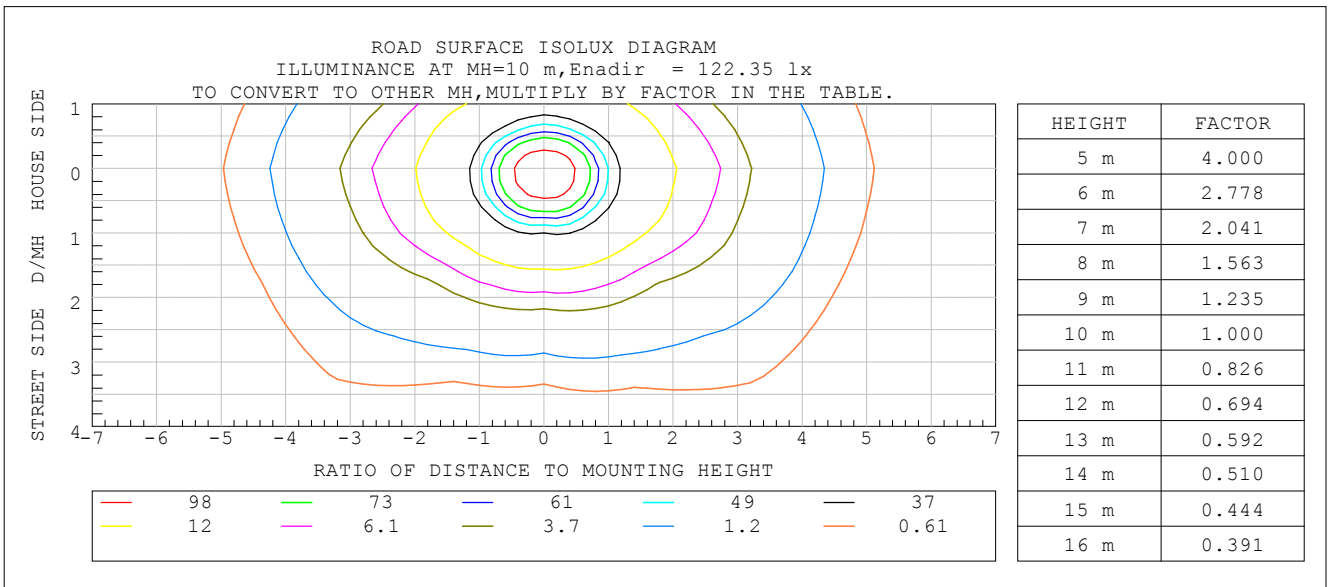
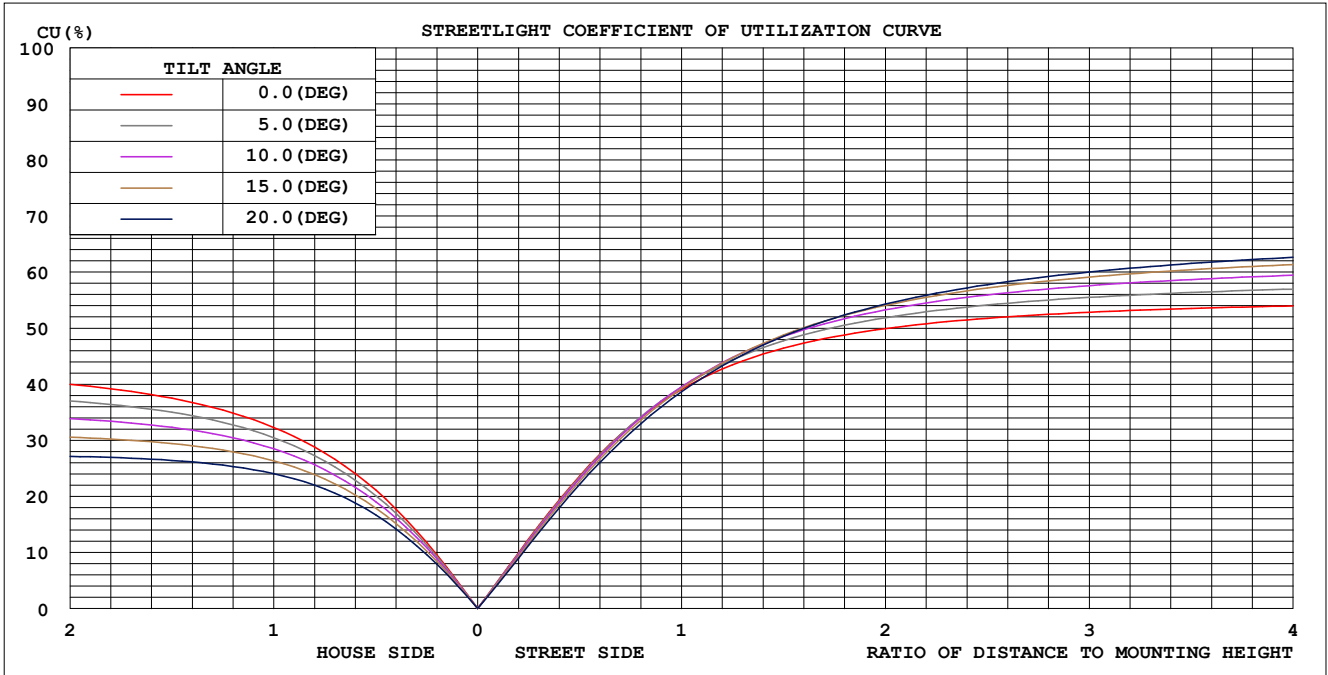
IES:Type VS - Medium
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:143.9cd/klm
 Max.At90:7.135cd/klm
 Max.80-90:143.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	15092
90%	13583
80%	12073
70%	10564
60%	9055
50%	7546
40%	6037
30%	4528
20%	3018
10%	1509
5%	755

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:121.6V I:2.455A P:297.6W PF:0.9973 Freq:59.97Hz Lamp Flux:51503.7x1 lm		
NAME: ASD-LSB5A-PRO-300BR_300W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:

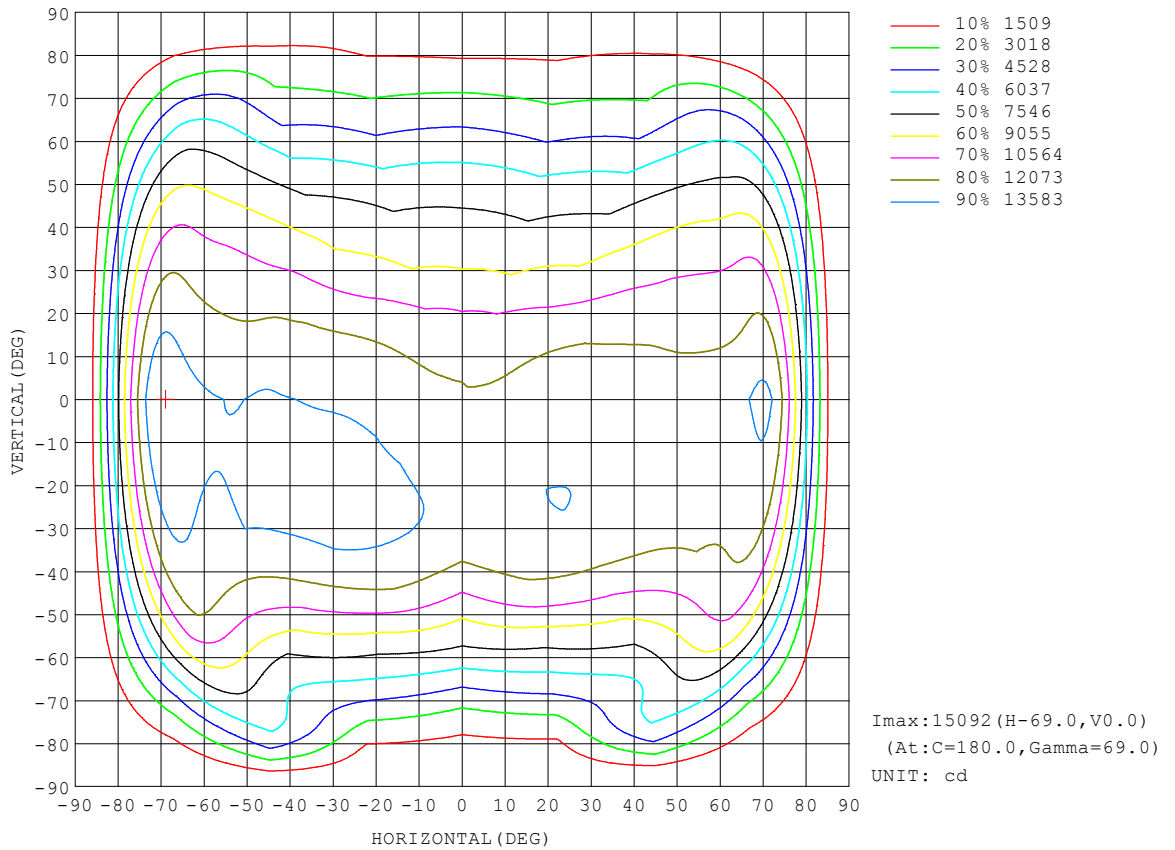
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum,lamp
10	1246	1271	1281	1278	1262	1202	1168	1188	0- 10	1176	1176	2.28,2.28
20	1293	1325	1322	1353	1322	1167	1063	1146	10- 20	3527	4703	9.13,9.13
30	1312	1361	1307	1411	1347	1078	909.2	1043	20- 30	5726	10429	20.2,20.2
40	1312	1330	1162	1400	1361	952.1	801.4	909.3	30- 40	7479	17908	34.8,34.8
50	1295	1179	928.2	1265	1361	853.4	685.5	791.7	40- 50	8614	26522	51.5,51.5
60	1295	909.5	681.7	987.3	1380	699.6	513.0	636.3	50- 60	8741	35263	68.5,68.5
70	1401	640.3	352.4	678.2	1506	469.7	328.2	410.4	60- 70	8005	43268	84,84
80	637.5	586.1	112.7	635.4	741.0	253.7	139.7	210.8	70- 80	6047	49315	95.7,95.7
90	5.091	3.255	2.052	36.75	4.919	4.022	2.784	4.239	80- 90	1731	51046	99.1,99.1
100	6.183	4.152	2.843	3.628	6.104	4.985	3.985	5.667	90-100	46.65	51093	99.2,99.2
110	7.336	5.312	3.818	4.627	7.194	6.180	5.447	7.094	100-110	55.86	51149	99.3,99.3
120	8.303	6.531	4.951	5.680	8.142	7.328	6.850	8.414	110-120	63.76	51212	99.4,99.4
130	9.567	7.756	6.099	6.883	9.403	8.621	8.174	9.658	120-130	68.32	51281	99.6,99.6
140	10.80	8.865	7.421	8.090	10.54	9.744	9.412	10.54	130-140	68.48	51349	99.7,99.7
150	11.45	9.782	8.688	9.143	11.15	10.63	10.52	11.19	140-150	61.89	51411	99.8,99.8
160	11.79	10.62	9.911	10.13	11.67	11.40	11.48	11.74	150-160	49.33	51460	99.9,99.9
170	12.09	11.34	11.00	11.09	12.07	11.83	11.99	12.00	160-170	32.20	51493	100,100
180	12.19	11.78	11.77	11.78	12.20	11.79	11.78	11.78	170-180	11.21	51504	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

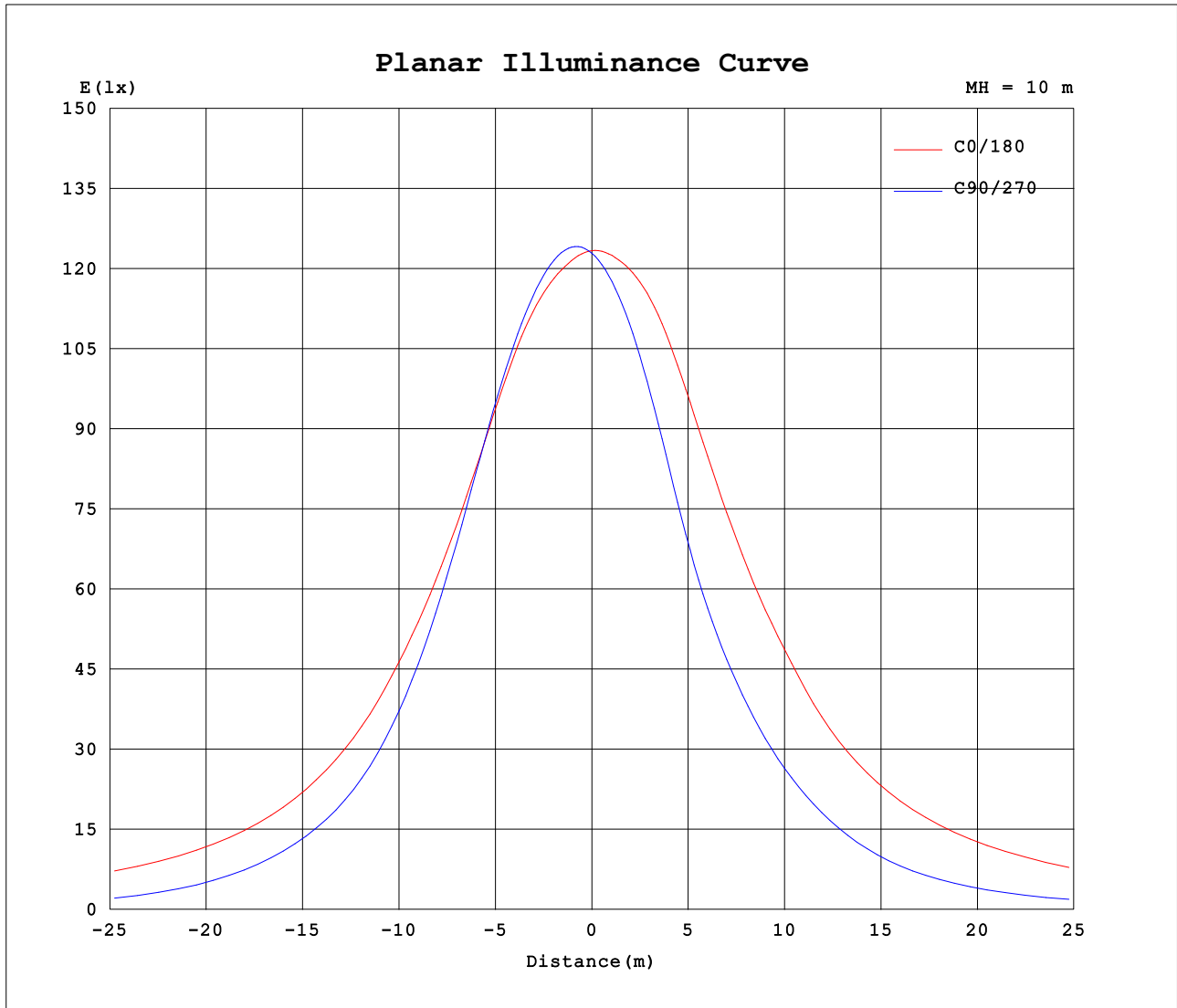
Test:U:121.6V I:2.455A P:297.6W PF:0.9973 Freq:59.97Hz Lamp Flux:51503.7x1 lm		
NAME: ASD-LSB5A-PRO-300BR_300W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:



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



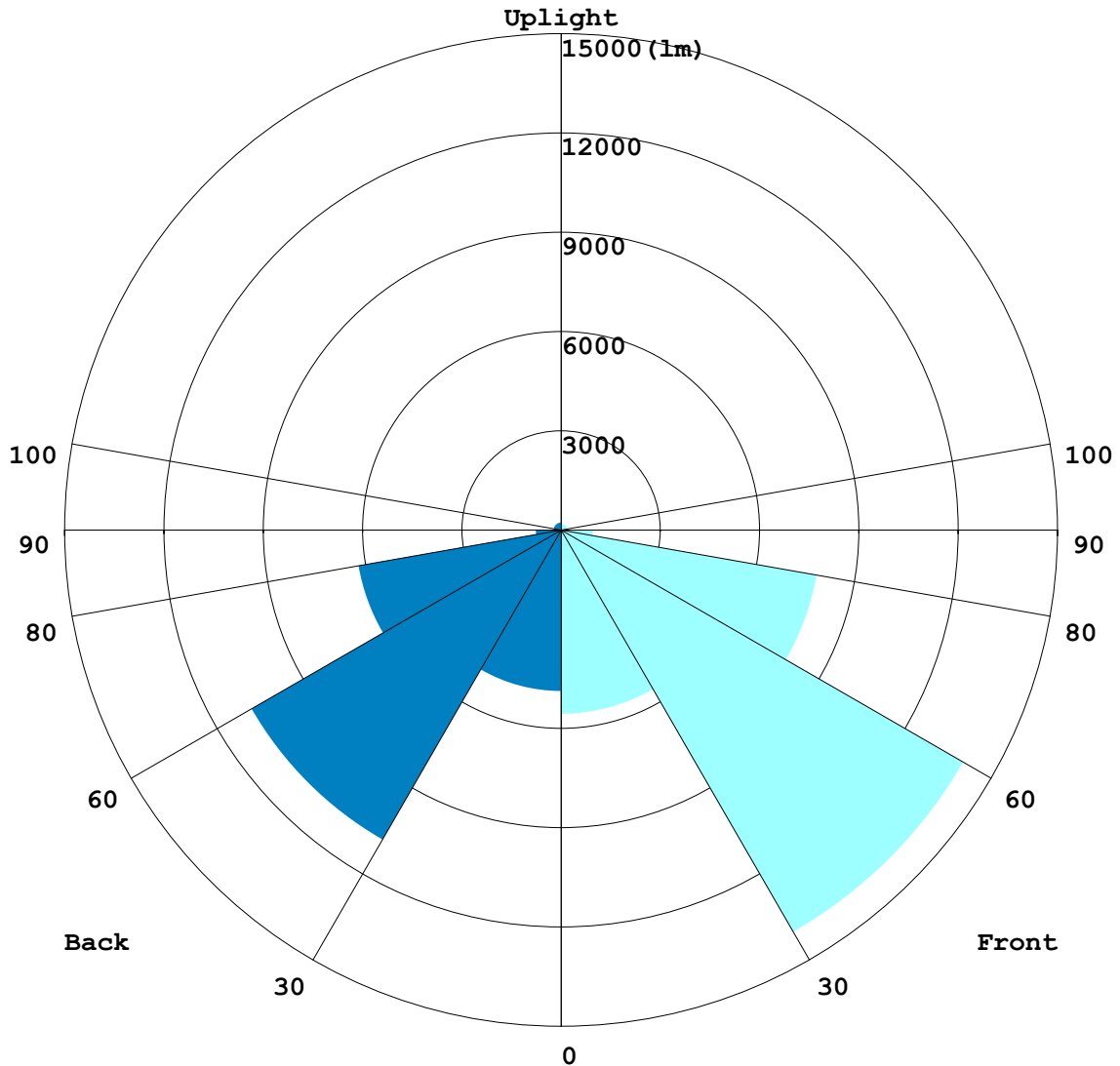
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-25

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:121.6V I:2.455A P:297.6W PF:0.9973 Freq:59.97Hz Lamp Flux:51503.7x1 lm		
NAME: ASD-LSB5A-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:121.6V I:2.455A P:297.6W PF:0.9973 Freq:59.97Hz Lamp Flux:51503.7x1 lm		
NAME: ASD-LSB5A-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)	5558.2	10.8
FM - Front-Medium(30-60)	14030	27.2
FH - Front-High(60-80)	7835.4	15.2
FVH - Front-Very High(80-90)	964.36	1.9
Total Forward Light	28597	55.5

BL - Back-Low(0-30)	4870.7	9.5
BM - Back-Medium(30-60)	10804	21.0
BH - Back-High(60-80)	6216.3	12.1
BVH - Back-Very High(80-90)	766.87	1.5
Total Back Light	22906	44.5

UL - Uplight-Low(90-100)	46.652	0.1
UH - Uplight-High(100-180)	411.06	0.8
Total Up Light	457.71	0.9

BUG(Back,Up,Glare) Rating	B5-U3-G?
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	22658	248.16	22906
Street Side	28388	209.55	28597

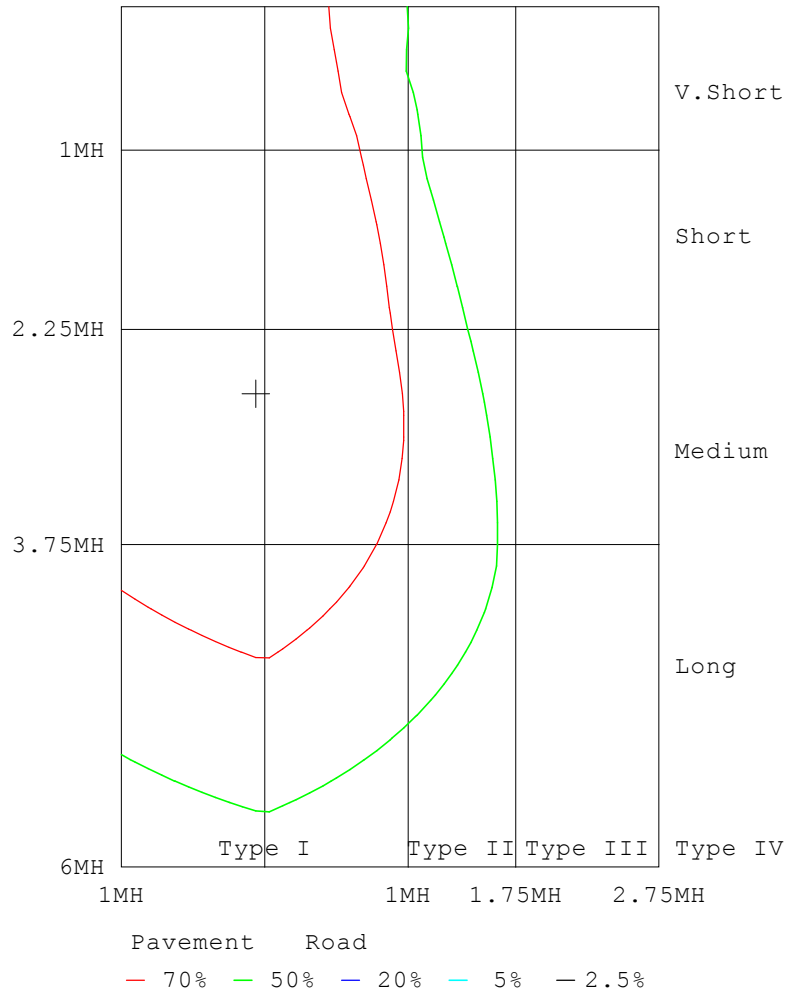
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-09-25

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:121.6V I:2.455A P:297.6W PF:0.9973 Freq:59.97Hz Lamp Flux:51503.7x1 lm		
NAME: ASD-LSB5A-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:121.6V I:2.455A P:297.6W PF:0.9973 Freq:59.97Hz Lamp Flux:51503.7x1 lm		
NAME: ASD-LSB5A-PRO-300BR_300W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.3*0.3	Shielding Angle:

Table--1

UNIT: ×10cd

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	1234	1232	1231	1230	1229	1223	1224	1225	1234	1232	1231	1230	1229	1223	1224	1225			
5	1234	1242	1249	1254	1256	1251	1248	1242	1242	1229	1216	1206	1201	1197	1204	1215			
10	1246	1261	1271	1277	1281	1279	1278	1270	1262	1233	1202	1179	1168	1168	1188	1214			
15	1270	1290	1297	1300	1305	1308	1315	1309	1293	1246	1188	1143	1124	1130	1172	1222			
20	1293	1319	1325	1319	1322	1336	1353	1347	1322	1257	1167	1091	1063	1074	1146	1229			
25	1307	1339	1349	1332	1328	1358	1388	1376	1340	1259	1131	1018	984	998	1103	1228			
30	1312	1349	1361	1330	1307	1364	1411	1394	1347	1247	1078	939	909	918	1043	1212			
35	1312	1353	1357	1307	1250	1348	1417	1405	1352	1226	1014	873	852	853	974	1188			
40	1312	1351	1330	1266	1162	1308	1400	1417	1361	1207	952	819	801	796	909	1162			
45	1312	1342	1271	1193	1052	1235	1351	1424	1378	1185	903	765	749	738	852	1129			
50	1295	1317	1179	1072	928	1115	1265	1408	1361	1148	853	701	686	670	792	1088			
55	1288	1272	1057	906	810	950	1145	1371	1357	1110	787	617	604	585	724	1052			
60	1295	1224	910	746	682	788	987	1333	1380	1075	700	518	513	486	636	1009			
65	1331	1178	762	608	517	651	820	1299	1445	1018	593	417	422	388	530	937			
70	1401	1138	640	452	352	498	678	1265	1506	940	470	324	328	302	410	834			
75	1161	933	622	286	215	328	640	1063	1250	814	352	240	227	221	304	695			
80	637	501	586	144	113	174	635	617	741	566	254	158	140	146	211	445			
85	156	131	280	51.1	36.5	67.5	355	196	227	214	128	96.2	78.0	84.9	87.7	131			
90	5.09	4.34	3.26	2.31	2.05	2.32	36.7	4.05	4.92	8.79	4.02	9.48	2.78	3.30	4.24	5.16			
95	5.57	4.82	3.65	2.71	2.41	2.49	3.23	4.26	5.47	5.30	4.39	3.58	3.32	3.94	4.98	5.86			
100	6.18	5.38	4.15	3.19	2.84	2.90	3.63	4.71	6.10	5.94	4.98	4.24	3.98	4.67	5.67	6.54			
105	6.81	5.99	4.71	3.71	3.32	3.37	4.10	5.25	6.71	6.52	5.59	4.89	4.71	5.41	6.38	7.14			
110	7.34	6.55	5.31	4.27	3.82	3.87	4.63	5.76	7.19	7.03	6.18	5.53	5.45	6.16	7.09	7.67			
115	7.80	7.09	5.91	4.85	4.38	4.40	5.14	6.20	7.65	7.49	6.73	6.18	6.17	6.88	7.76	8.24			
120	8.30	7.67	6.53	5.45	4.95	4.96	5.68	6.66	8.14	7.96	7.33	6.84	6.85	7.55	8.41	8.85			
125	8.91	8.29	7.15	6.06	5.52	5.56	6.27	7.24	8.73	8.56	7.96	7.49	7.52	8.18	9.04	9.49			
130	9.57	8.92	7.76	6.68	6.10	6.16	6.88	7.89	9.40	9.26	8.62	8.15	8.17	8.78	9.66	10.1			
135	10.2	9.55	8.35	7.31	6.75	6.80	7.51	8.53	10.0	9.88	9.23	8.77	8.80	9.34	10.2	10.7			
140	10.8	10.1	8.87	7.94	7.42	7.44	8.09	9.12	10.5	10.4	9.74	9.35	9.41	9.87	10.5	11.1			
145	11.2	10.5	9.33	8.53	8.06	8.06	8.63	9.60	10.9	10.7	10.2	9.91	9.99	10.4	10.9	11.3			
150	11.5	10.7	9.78	9.09	8.69	8.65	9.14	9.99	11.1	11.0	10.6	10.5	10.5	10.8	11.2	11.5			
155	11.6	11.0	10.2	9.62	9.29	9.23	9.63	10.3	11.4	11.2	11.0	11.0	11.0	11.2	11.5	11.7			
160	11.8	11.3	10.6	10.1	9.91	9.83	10.1	10.7	11.7	11.5	11.4	11.4	11.5	11.6	11.7	11.9			
165	12.0	11.5	11.0	10.6	10.5	10.4	10.6	11.0	11.9	11.8	11.7	11.8	11.8	11.8	11.9	12.0			
170	12.1	11.7	11.3	11.1	11.0	10.9	11.1	11.4	12.1	11.9	11.8	11.9	12.0	11.9	12.0	12.1			
175	12.2	11.9	11.6	11.4	11.5	11.3	11.5	11.7	12.2	12.0	11.9	11.9	12.0	11.9	11.9	12.0			
180	12.2	12.0	11.8	11.7	11.8	11.7	11.8	11.9	12.2	12.0	11.8	11.7	11.8	11.7	11.8	11.9			

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: