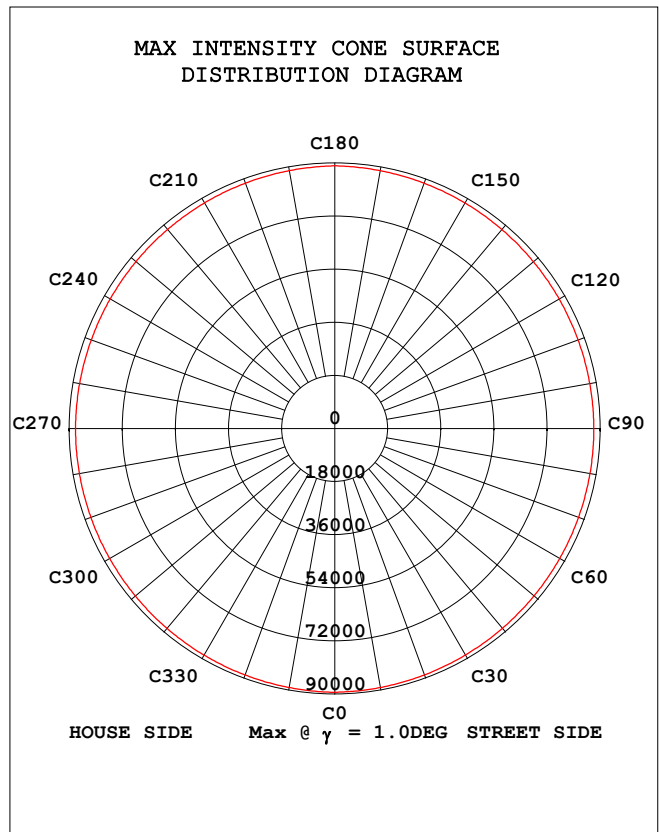
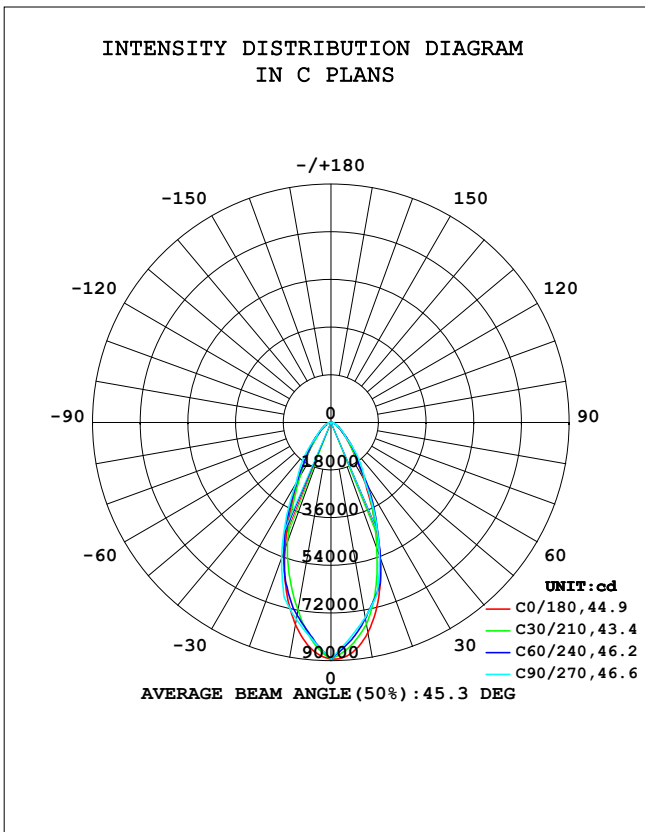


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:481.57V I:1.0479A P:504.65W PF:0.9927 Freq:49.96Hz Lamp Flux:71788 x1 lm		
NAME: ASD-SPFLHV-500D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142,26 lm/W			
MODEL	ASD-SPFLHV-500D50-PRM	I _{max} (cd)	89388	η street_up (%)	0.0
NOMINAL POWER (W)	500	LOR (%)	100.0	η street_down (%)	49.8
RATED VOLTAGE (V)	480	TOTAL FLUX (lm)	71788	η house_up (%)	0.0
NOMINAL FLUX (lm)	71788	MAXIMUM @ (C, γ)	0,1.0	η house_down (%)	50.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	480	η down (%)	100.0	SLI	20.704

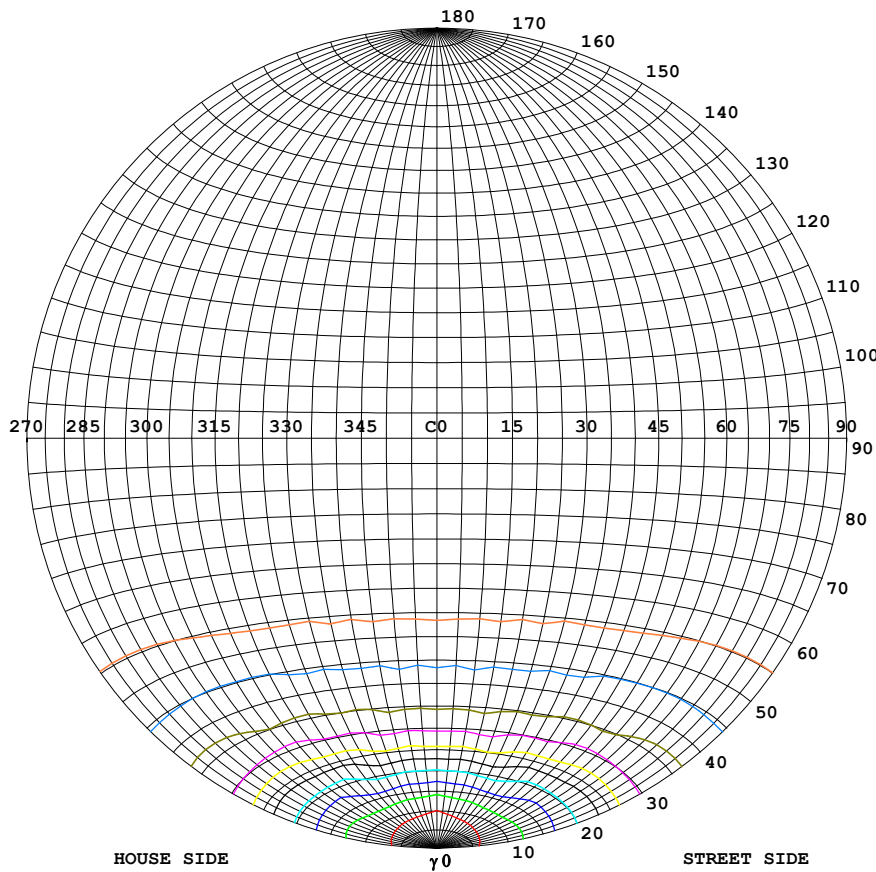


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:481.57V I:1.0479A P:504.65W PF:0.9927 Freq:49.96Hz Lamp Flux:71788 x1 lm		
NAME: ASD-SPFLHV-500D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:



Classification:

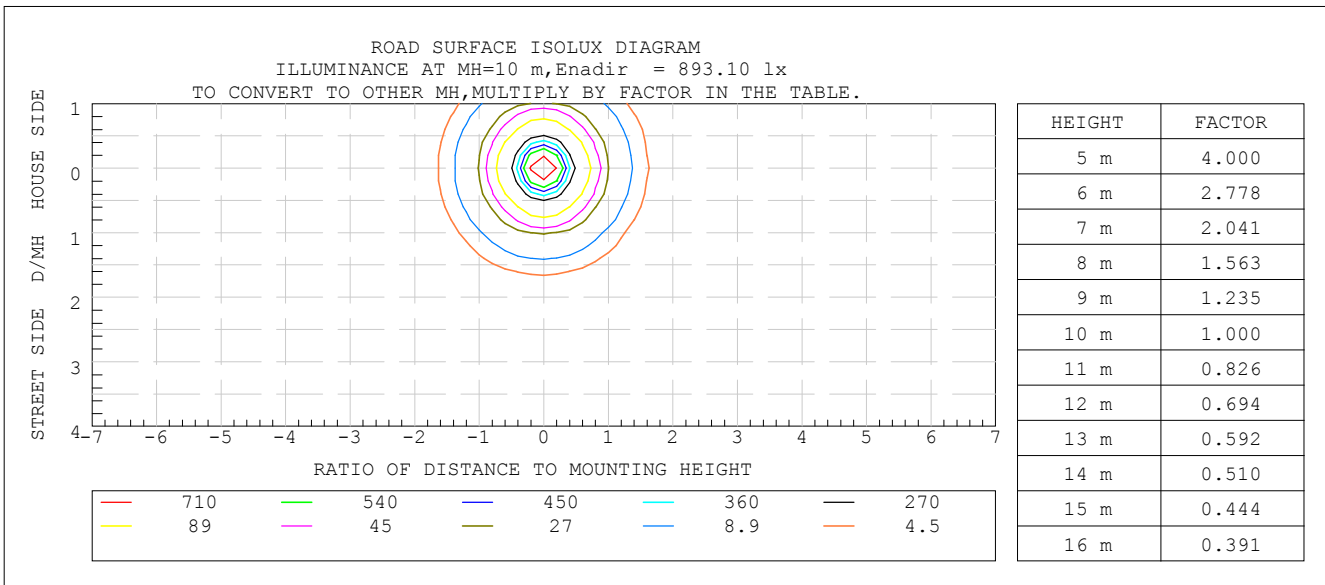
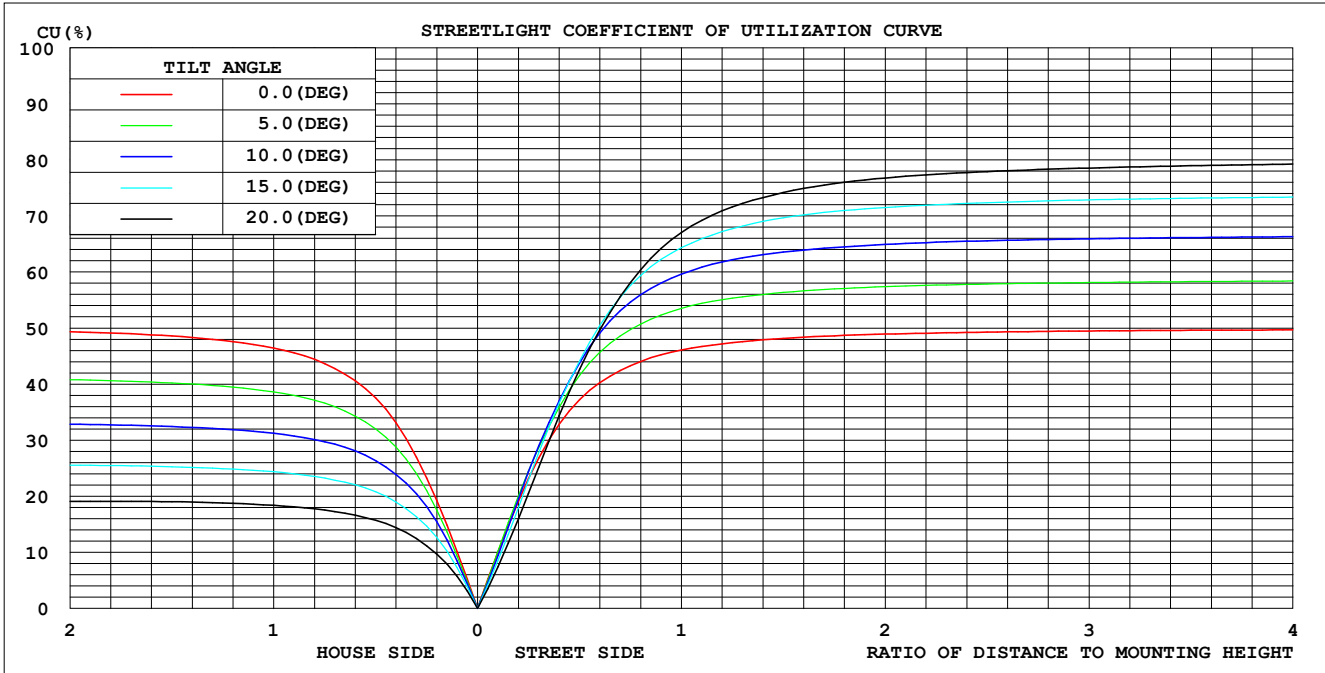
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:10.18cd/klm
 Max.At90:0.1243cd/klm
 Max.80-90:10.18cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	89388
90%	80450
80%	71511
70%	62572
60%	53633
50%	44694
40%	35755
30%	26817
20%	17878
10%	8939
5%	4469

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:07 January 2020

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:481.57V I:1.0479A P:504.65W PF:0.9927 Freq:49.96Hz Lamp Flux:71788 x1 lm		
NAME: ASD-SPFLHV-500D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

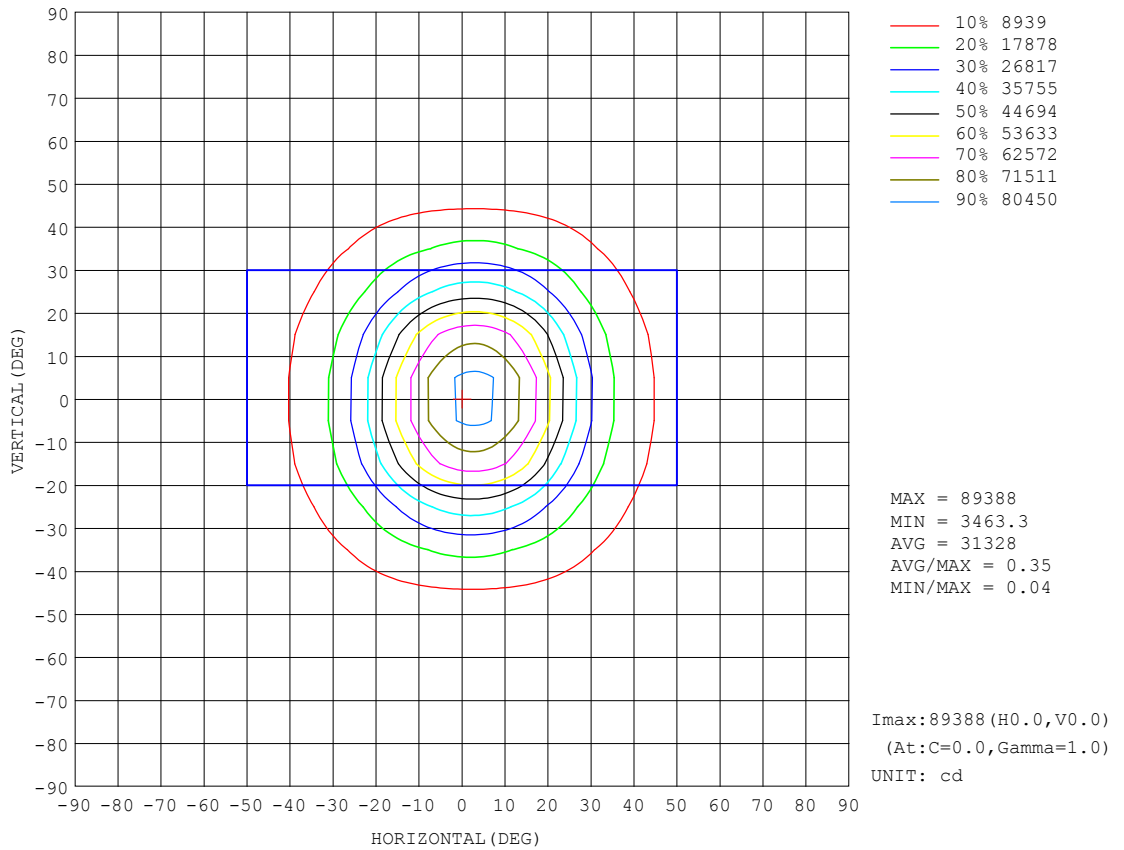
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	8057	7579	7475	7240	7744	7269	7552	7644	0- 10	7698	7698	11.3,11.3
20	5431	5491	5365	4959	5080	4934	5446	5637	10- 20	17961	25659	37.8,37.8
30	2529	2710	2601	2591	2438	2530	2615	2822	20- 30	17361	43019	63.4,63.4
40	1142	1166	1399	1156	1111	1127	1409	1214	30- 40	11215	54235	80,80
50	566.2	591.8	623.7	573.9	547.9	585.5	631.6	598.7	40- 50	6525	60760	89.6,89.6
60	281.2	300.4	274.3	286.3	281.2	303.3	282.9	300.1	50- 60	3764	64524	95.1,95.1
70	146.3	151.4	159.8	145.1	150.1	151.6	164.8	155.7	60- 70	2111	66635	98.2,98.2
80	58.75	55.20	0	53.04	61.48	53.73	0	58.18	70- 80	1068	67703	99.8,99.8
90	0.8434	0	0	0	0.7319	0	0	0	80- 90	124.3	67827	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

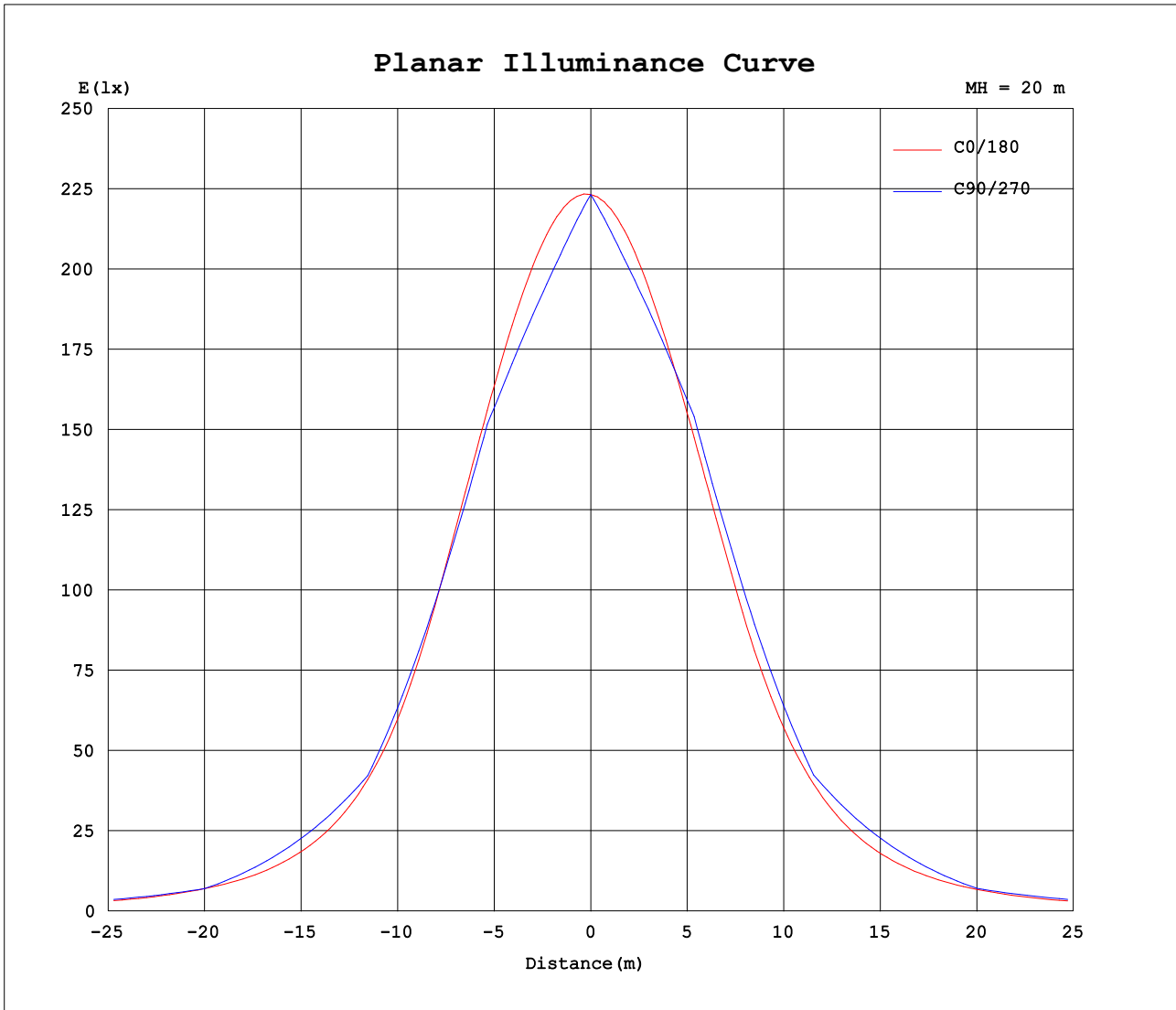
Test:U:481.57V I:1.0479A P:504.65W PF:0.9927 Freq:49.96Hz Lamp Flux:71788 x1 lm		
NAME: ASD-SPFLHV-500D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:07 January 2020

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



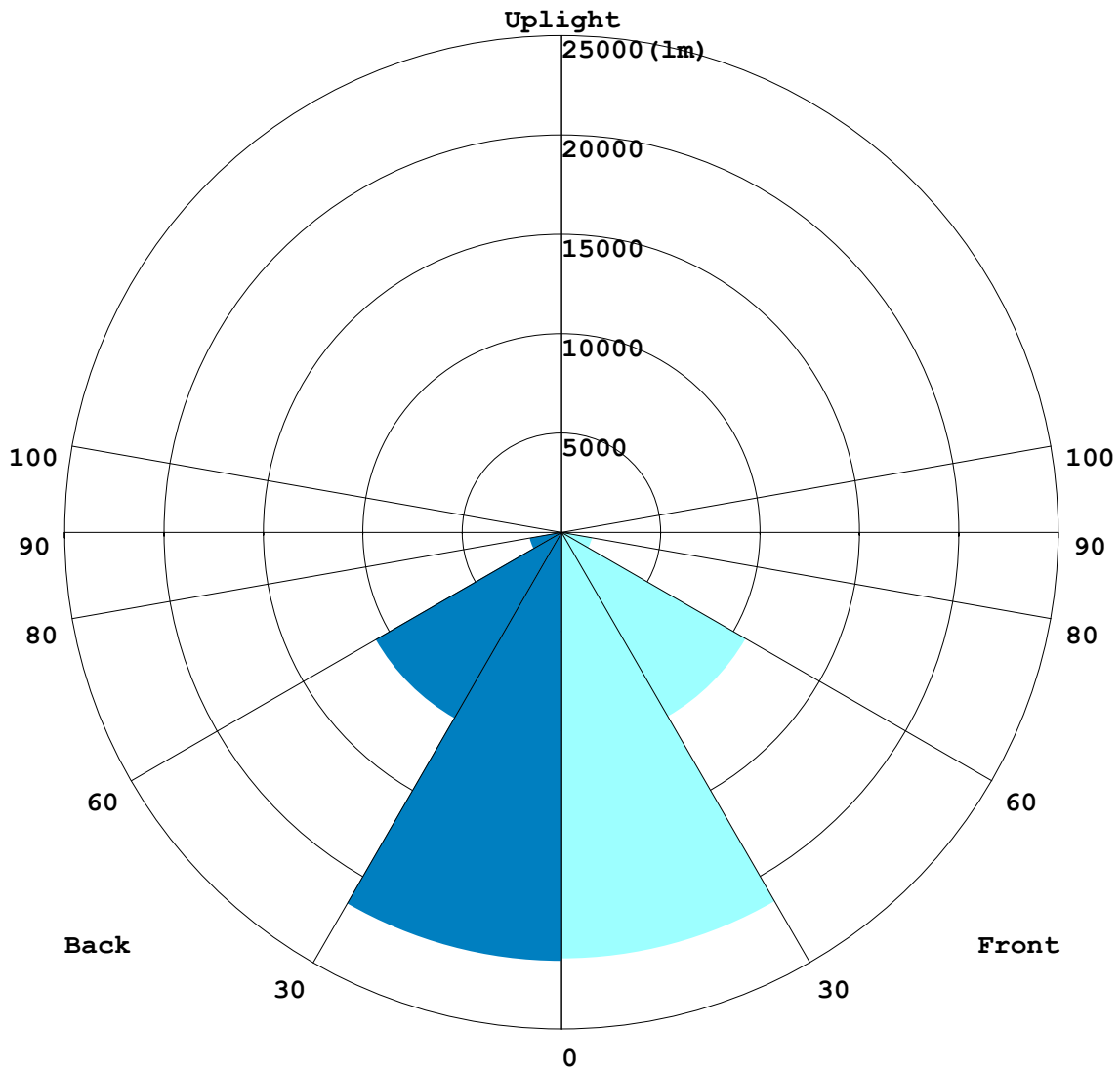
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LCS REPORT

Test:U:481.57V I:1.0479A P:504.65W PF:0.9927 Freq:49.96Hz Lamp Flux:71788 x1 lm		
NAME: ASD-SPFLHV-500D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

BUG REPORT

Test:U:481.57V I:1.0479A P:504.65W PF:0.9927 Freq:49.96Hz Lamp Flux:71788 x1 lm		
NAME: ASD-SPFLHV-500D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	21440	31.6
FM - Front-Medium(30-60)	10706	15.8
FH - Front-High(60-80)	1566	2.3
FVH - Front-Very High(80-90)	60.44	0.1
Total Forward Light	33773	49.8

BL - Back-Low(0-30)	21579	31.8
BM - Back-Medium(30-60)	10798	15.9
BH - Back-High(60-80)	1613.4	2.4
BVH - Back-Very High(80-90)	63.896	0.1
Total Back Light	34054	50.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B5-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	34054	0	34054
Street Side	33773	0	33773

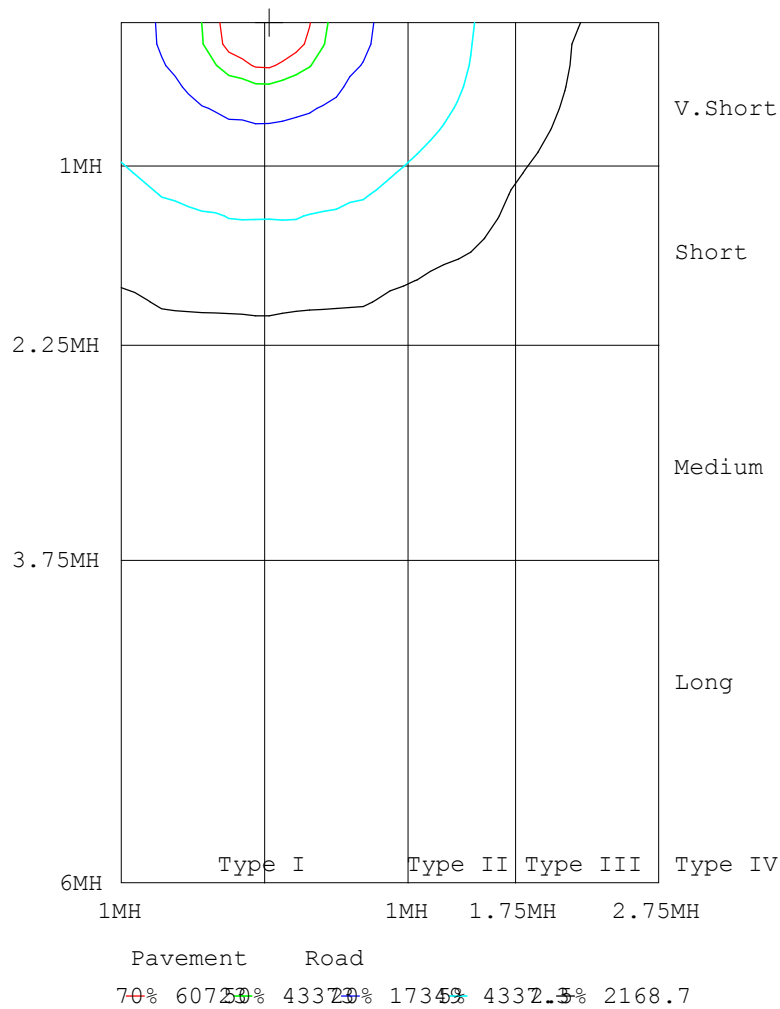
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:481.57V I:1.0479A P:504.65W PF:0.9927 Freq:49.96Hz Lamp Flux:71788 x1 lm		
NAME: ASD-SPFLHV-500D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:07 January 2020

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:481.57V I:1.0479A P:504.65W PF:0.9927 Freq:49.96Hz Lamp Flux:71788 x1 lm		
NAME: ASD-SPFLHV-500D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

Table--3

UNIT: x10cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931	8931
5	8450	8393	8342	8298	8261	8231	8205	8185	8172	8164	8159	8162	8165	8173	8185	8197	8215	8229	8248
10	7485	7381	7296	7231	7184	7204	7233	7269	7306	7346	7387	7423	7456	7487	7513	7535	7552	7562	7569
15	6167	6026	5943	5987	6053	6135	6230	6274	6316	6372	6439	6513	6589	6661	6728	6788	6838	6871	6890
20	4634	4520	4597	4704	4808	4817	4859	4934	5030	5123	5205	5271	5324	5366	5397	5423	5446	5465	5485
25	3194	3235	3352	3402	3397	3421	3537	3662	3787	3835	3856	3875	3893	3915	3942	3977	4016	4057	4100
30	2169	2261	2313	2292	2334	2434	2528	2530	2527	2531	2575	2599	2608	2606	2603	2603	2615	2639	2676
35	1492	1571	1540	1563	1644	1653	1628	1641	1667	1670	1717	1774	1829	1882	1931	1973	2005	2025	2028
40	1046	1059	1055	1111	1096	1079	1109	1127	1152	1178	1226	1278	1322	1357	1382	1398	1409	1416	1417
45	753	731	762	753	749	776	781	788	824	855	869	865	853	835	818	806	805	816	838
50	534	533	540	534	554	545	563	586	578	558	557	577	595	610	621	628	632	631	626
55	379	396	380	399	390	406	403	392	410	424	433	438	443	447	451	454	457	459	460
60	273	270	284	279	290	278	292	303	306	305	305	303	299	294	289	284	283	285	290
65	204	203	200	206	205	213	211	213	213	210	213	215	217	219	221	223	224	224	224
70	140	141	147	151	149	150	150	152	153	156	159	161	162	163	164	165	165	165	165
75	98.8	98.9	102	102	104	103	104	106	107	107	107	107	107	106	106	106	106	106	107
80	58.4	59.2	61.7	67.1	66.9	64.0	62.2	53.7	43.6	34.3	26.0	18.6	12.2	6.95	3.12	0.79	0.00	0.79	3.16
85	24.0	24.6	25.7	15.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

