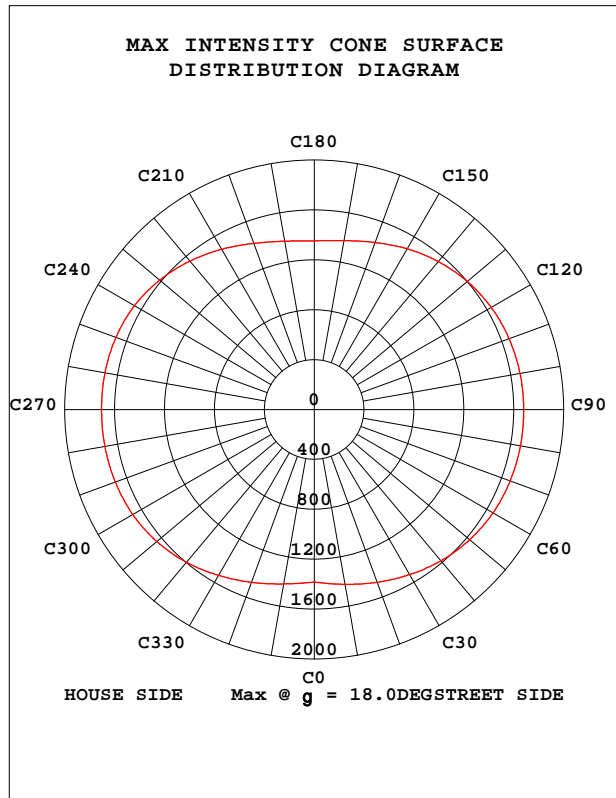
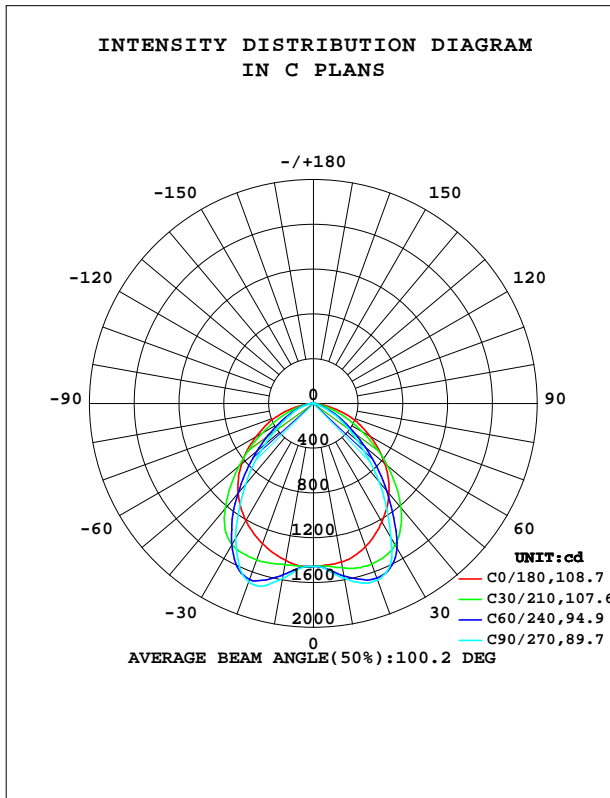


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.07V I:0.2450A P:28.900W PF:0.9830 Freq:60.00Hz Lamp Flux:3739.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.39 lm/W			
MSDEELA-MV-30DAV-BK(5000K)		Imax(cd)	1705	h street_up(%)	0.2
NOMINAL POWER(W)	30	LOR(%)	100.0	h street_down(%)	48.8
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	3739	h house_up(%)	0.2
NOMINAL FLUX(lm)	3739.31	MAXIMUM @(C,g )	270,18.0	h house_down(%)	50.8
LAMPS INSIDE	1	h up(%)	0.5	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120.0	h down(%)	99.5	SLI	18.059

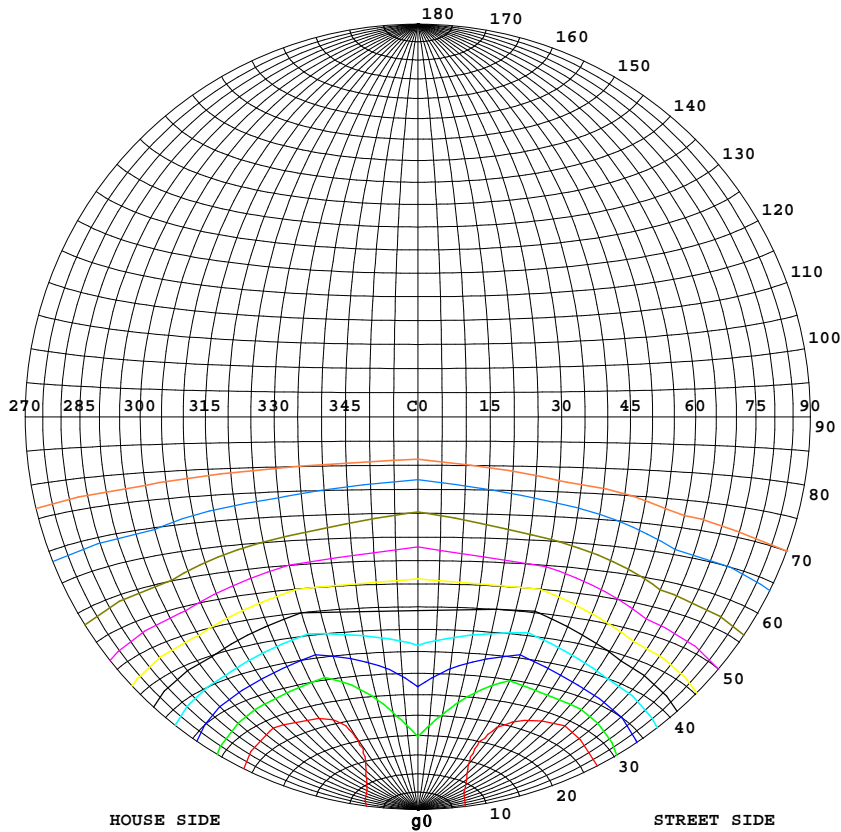


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-09-12

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.700m [K=0.9989]  
Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:120.07V I:0.2450A P:28.900W PF:0.9830 Freq:60.00Hz Lamp Flux:3739.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



**Classification:**

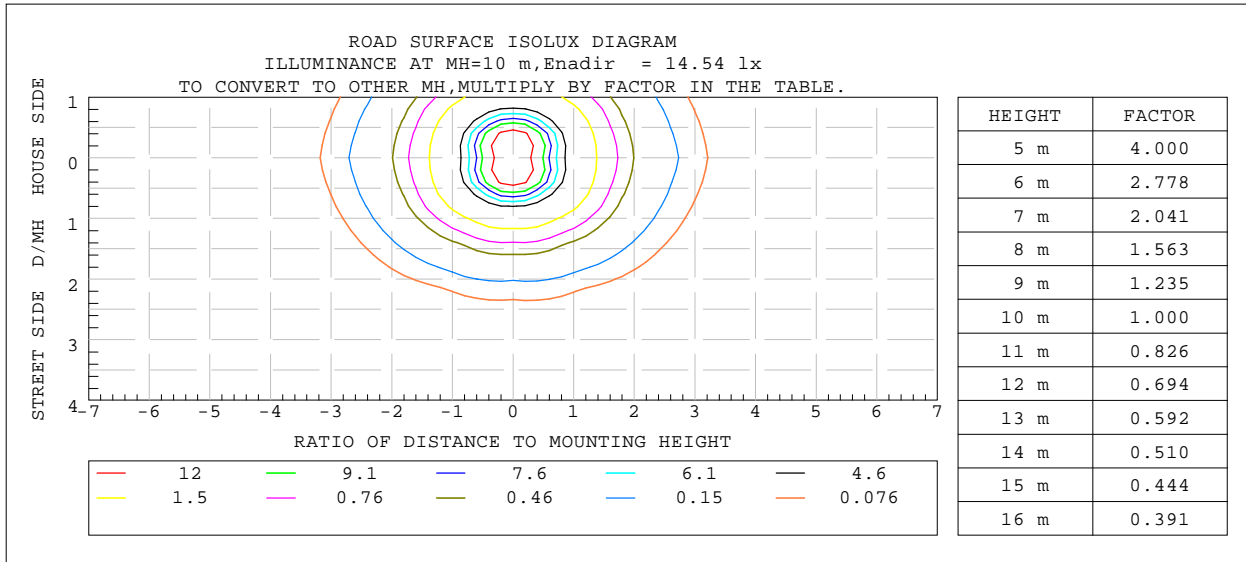
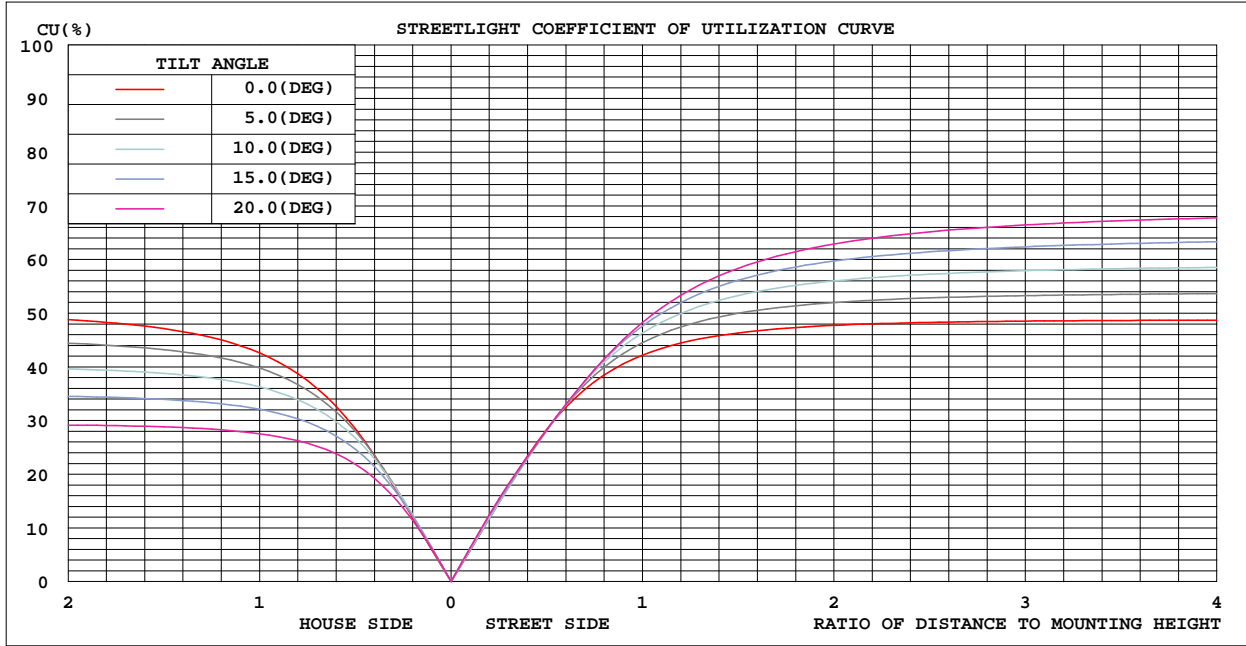
IES:Type I - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:32.34cd/klm  
 Max.At90:1.714cd/klm  
 Max.80-90:32.34cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1705
90%	1535
80%	1364
70%	1194
60%	1023
50%	853
40%	682
30%	512
20%	341
10%	171
5%	85

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.700m [K=0.9989]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-09-12

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
Humidity: 65.0%  
Test Distance: 8.700m [K=0.9989]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.07V I:0.2450A P:28.900W PF:0.9830 Freq:60.00Hz Lamp Flux:3739.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

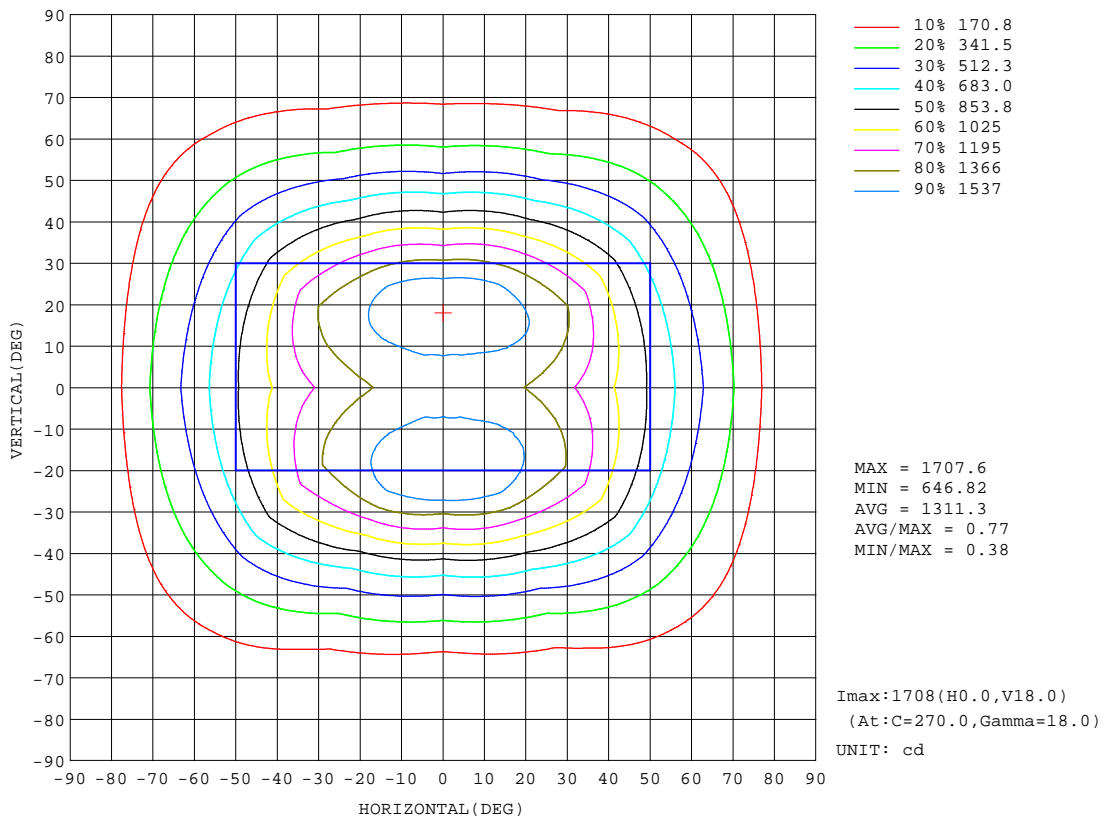
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1437	1527	1585	1519	1424	1507	1585	1518	0- 10	141.9	141.9	3.79,3.79
20	1360	1593	1676	1564	1334	1578	1695	1611	10- 20	440.0	581.9	15.6,15.6
30	1223	1477	1386	1457	1210	1457	1392	1479	20- 30	695.6	1278	34.2,34.2
40	1050	1118	915.0	1113	1048	1139	944.1	1136	30- 40	782.9	2060	55.1,55.1
50	831.3	732.2	509.7	735.8	837.5	762.3	562.0	752.1	40- 50	694.3	2755	73.7,73.7
60	582.7	400.0	263.2	404.8	591.8	438.9	297.9	427.6	50- 60	507.0	3262	87.2,87.2
70	348.4	168.5	85.13	173.2	361.8	212.1	151.3	204.6	60- 70	302.7	3564	95.3,95.3
80	107.2	28.48	0.7638	32.97	120.9	78.34	55.88	72.73	70- 80	133.1	3697	98.9,98.9
90	1.683	0.4912	0.1435	0.5806	2.552	5.845	5.623	4.704	80- 90	25.01	3722	99.5,99.5
100	0.8971	0.4996	0.4355	0.5771	1.127	0.7866	0.3447	0.6222	90-100	0.8578	3723	99.6,99.6
110	1.672	1.113	0.9772	1.250	2.020	1.650	0.9971	1.362	100-110	1.039	3724	99.6,99.6
120	2.517	1.942	1.784	2.127	3.056	2.759	2.058	2.375	110-120	1.810	3726	99.6,99.6
130	3.436	2.923	2.963	3.058	4.097	3.888	3.491	3.518	120-130	2.555	3729	99.7,99.7
140	4.122	3.821	4.221	3.919	4.942	4.770	4.686	4.494	130-140	3.000	3732	99.8,99.8
150	4.919	4.605	5.017	4.643	5.590	5.358	5.509	5.212	140-150	2.948	3735	99.9,99.9
160	5.716	5.397	5.584	5.417	6.184	5.881	5.833	5.754	150-160	2.486	3737	99.9,99.9
170	6.183	6.231	6.344	6.390	6.588	6.490	6.443	6.379	160-170	1.693	3739	100,100
180	6.885	6.984	7.081	6.892	6.880	7.029	7.091	6.983	170-180	0.6313	3739	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.700m [K=0.9989]  
 Remarks:

ISOCANDELA DIAGRAM

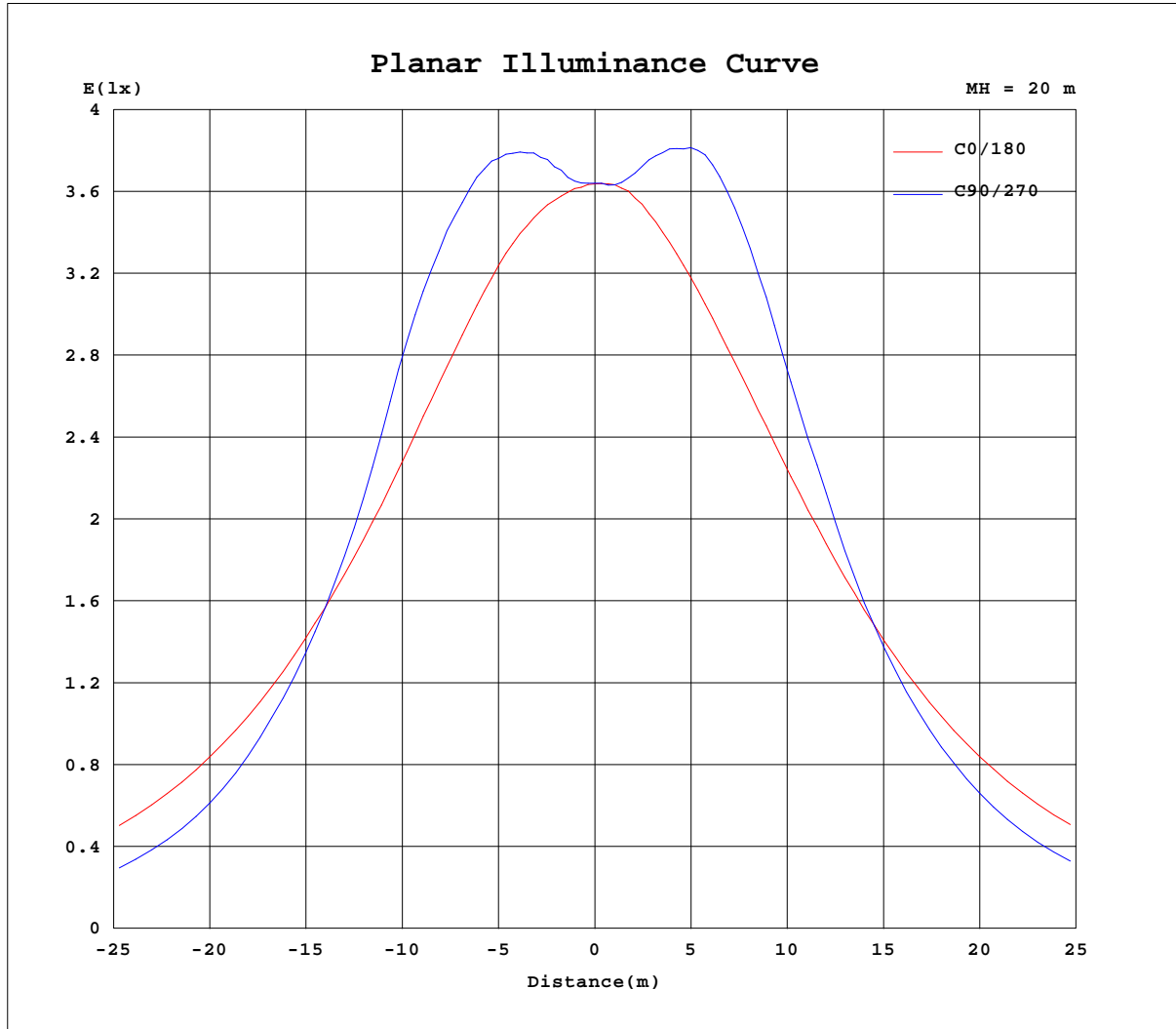
Test:U:120.07V I:0.2450A P:28.900W PF:0.9830 Freq:60.00Hz Lamp Flux:3739.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.700m [K=0.9989]  
 Remarks:

Planar Illuminance Curve



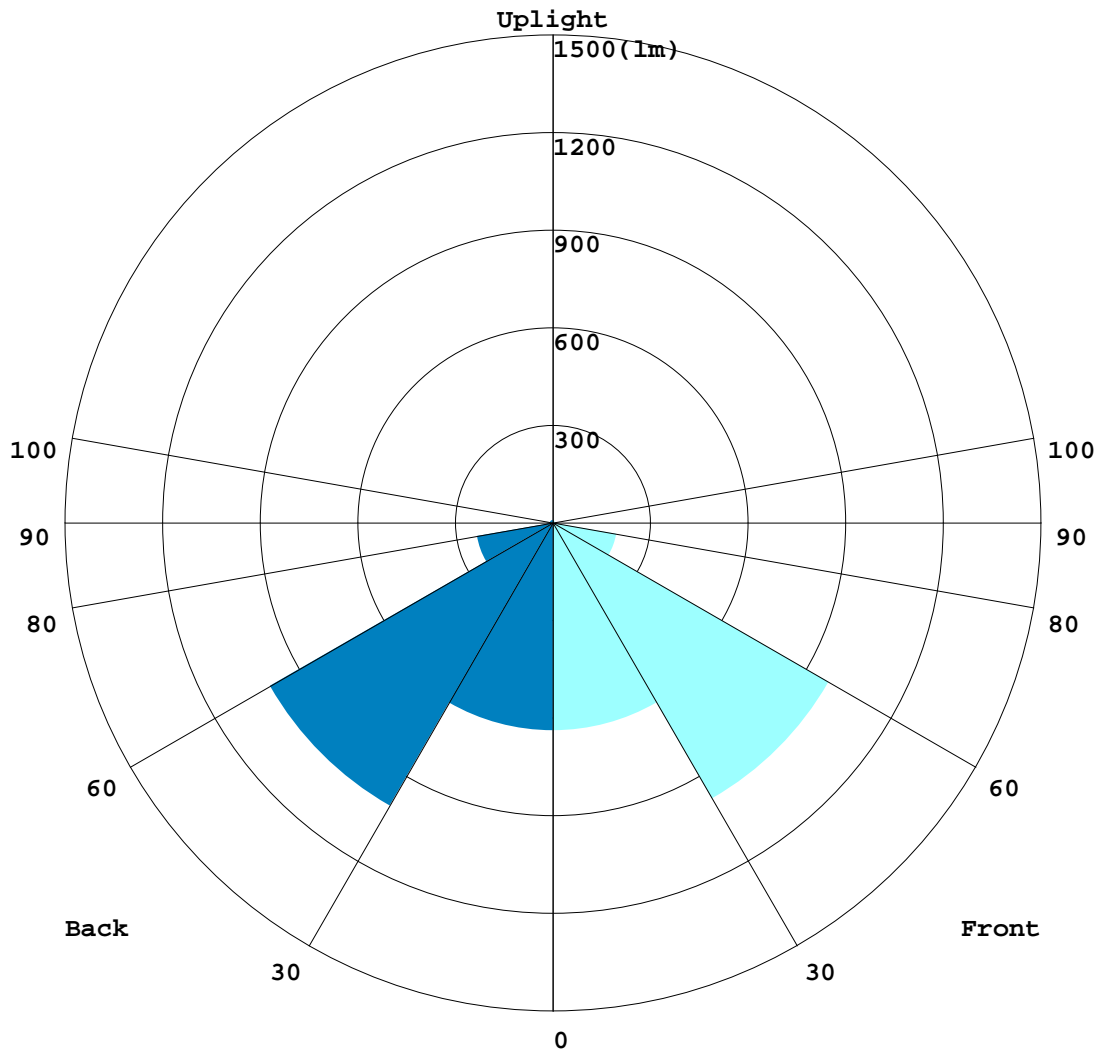
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-09-12

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity: 65.0%  
 Test Distance: 8.700m [K=0.9989]  
 Remarks:

LCS REPORT

Test:U:120.07V I:0.2450A P:28.900W PF:0.9830 Freq:60.00Hz Lamp Flux:3739.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.700m [K=0.9989]  
 Remarks:

## BUG REPORT

Test:U:120.07V I:0.2450A P:28.900W PF:0.9830 Freq:60.00Hz Lamp Flux:3739.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	638.8	17.1
FM - Front-Medium(30-60)	979.39	26.2
FH - Front-High(60-80)	198.57	5.3
FVH - Front-Very High(80-90)	6.3274	0.2
Total Forward Light	1830.8	49.0

BL - Back-Low(0-30)	638.7	17.1
BM - Back-Medium(30-60)	1004.7	26.9
BH - Back-High(60-80)	237.22	6.3
BVH - Back-Very High(80-90)	18.678	0.5
Total Back Light	1908.6	51.0

UL - Uplight-Low(90-100)	0.85784	0.0
UH - Uplight-High(100-180)	16.161	0.4
Total Up Light	17.019	0.5

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1899.3	9.3004	1908.6
Street Side	1823.1	7.7188	1830.8

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-09-12

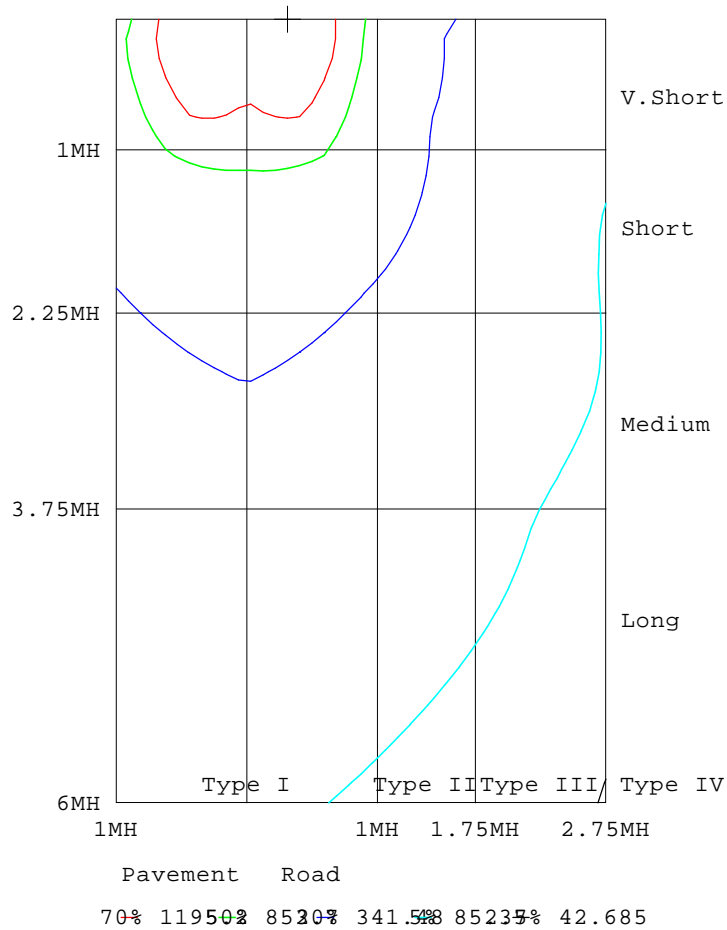
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.700m [K=0.9989]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:120.07V I:0.2450A P:28.900W PF:0.9830 Freq:60.00Hz Lamp Flux:3739.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.700m [K=0.9989]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.2450A P:28.900W PF:0.9830 Freq:60.00Hz Lamp Flux:3739.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1454	1454	1454	1454	1454	1454	1454	1454	1454	1454	1454	1454						
5	1448	1460	1486	1497	1488	1465	1457	1459	1475	1482	1471	1455						
10	1437	1489	1564	1585	1564	1474	1424	1462	1552	1585	1555	1482						
15	1410	1520	1627	1662	1616	1488	1383	1477	1630	1685	1642	1517						
20	1360	1529	1658	1676	1640	1489	1334	1485	1672	1695	1686	1535						
25	1297	1507	1621	1609	1601	1475	1274	1480	1612	1581	1626	1526						
30	1223	1461	1492	1386	1480	1435	1210	1456	1458	1392	1472	1486						
35	1141	1360	1251	1140	1240	1349	1132	1375	1266	1157	1278	1381						
40	1050	1216	1020	915	1008	1218	1048	1228	1050	944	1052	1219						
45	949	1045	807	693	800	1054	949	1047	844	747	843	1038						
50	831	863	602	510	599	873	838	866	658	562	653	851						
55	710	678	432	368	432	688	719	690	492	412	484	677						
60	583	501	299	263	300	509	592	528	350	298	343	512						
65	464	350	196	147	199	356	473	380	245	214	239	365						
70	348	226	111	85.1	113	233	362	254	170	151	166	243						
75	217	128	50.9	32.2	52.7	136	230	161	114	99.2	111	151						
80	107	48.3	8.65	0.76	9.76	56.2	121	88.9	67.8	55.9	64.5	80.9						
85	30.0	6.73	0.39	0.07	0.37	8.82	40.7	33.4	29.8	24.5	27.2	26.0						
90	1.68	0.81	0.17	0.14	0.17	0.99	2.55	5.28	6.41	5.62	5.80	3.61						
95	0.64	0.37	0.22	0.26	0.23	0.48	1.04	0.69	0.38	0.19	0.25	0.57						
100	0.90	0.60	0.40	0.44	0.40	0.76	1.13	0.99	0.58	0.34	0.43	0.81						
105	1.26	0.91	0.66	0.67	0.63	1.12	1.54	1.43	0.92	0.63	0.70	1.20						
110	1.67	1.25	0.97	0.98	0.96	1.54	2.02	1.93	1.37	1.00	1.05	1.67						
115	2.10	1.67	1.35	1.34	1.35	2.00	2.54	2.47	1.90	1.49	1.51	2.18						
120	2.52	2.09	1.80	1.78	1.79	2.47	3.06	3.00	2.52	2.06	2.03	2.72						
125	3.02	2.53	2.33	2.34	2.27	2.93	3.58	3.50	3.19	2.74	2.65	3.25						
130	3.44	2.94	2.91	2.96	2.78	3.34	4.10	3.95	3.82	3.49	3.28	3.76						
135	3.78	3.37	3.46	3.61	3.31	3.71	4.59	4.35	4.40	4.16	3.88	4.19						
140	4.12	3.70	3.94	4.22	3.77	4.07	4.94	4.69	4.85	4.69	4.48	4.51						
145	4.48	4.06	4.39	4.67	4.13	4.45	5.27	5.07	5.12	5.15	4.97	4.83						
150	4.92	4.48	4.74	5.02	4.46	4.83	5.59	5.39	5.33	5.51	5.29	5.13						
155	5.37	4.89	5.12	5.43	4.85	5.25	5.96	5.71	5.55	5.72	5.65	5.43						
160	5.72	5.35	5.44	5.58	5.20	5.63	6.18	6.07	5.69	5.83	5.85	5.65						
165	6.00	5.73	5.80	5.94	5.67	6.10	6.31	6.30	6.05	6.00	6.18	5.92						
170	6.18	6.14	6.32	6.34	6.25	6.53	6.59	6.52	6.46	6.44	6.49	6.27						
175	6.40	6.58	6.87	6.91	6.70	6.74	6.74	6.82	6.80	6.79	6.95	6.60						
180	6.89	7.00	6.96	7.08	6.90	6.89	6.88	7.03	7.03	7.09	7.07	6.89						

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.700m [K=0.9989]  
 Remarks: