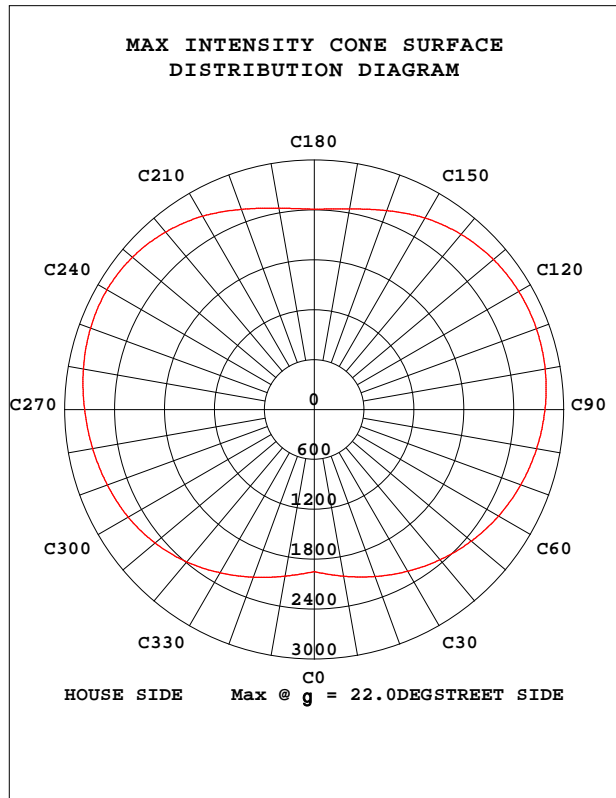
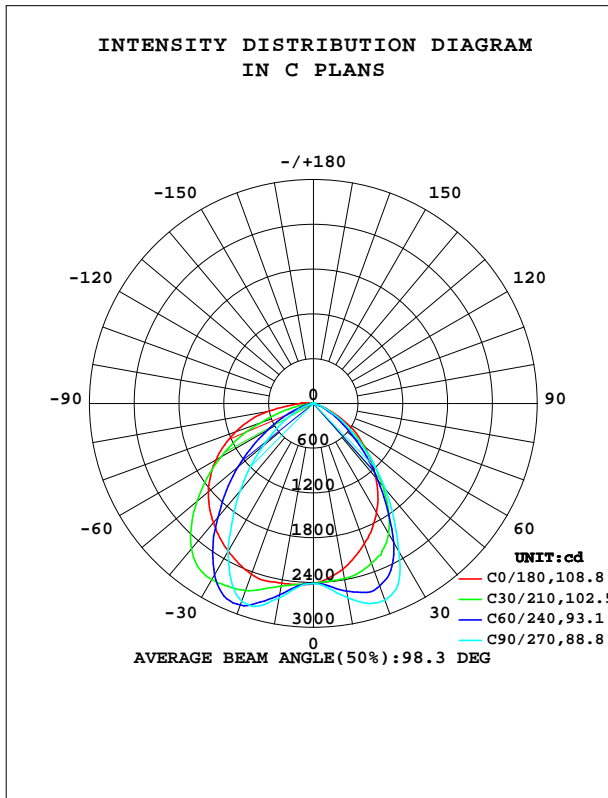


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.16V I:0.4000A P:47.630W PF:0.9920 Freq:60.00Hz Lamp Flux:6164.31x1 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: 129.43 lm/W			
MSDEELA-MV-50DAV-BK(3500K)		Imax(cd)	2880	h street_up(%)	0.3
NOMINAL POWER(W)	50	LOR(%)	100.0	h street_down(%)	46.0
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	6165	h house_up(%)	0.5
NOMINAL FLUX(lm)	6164.31	MAXIMUM @(C,g)	240,22.0	h house_down(%)	53.3
LAMPS INSIDE	1	h up(%)	0.7	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120.0	h down(%)	99.3	SLI	13.511

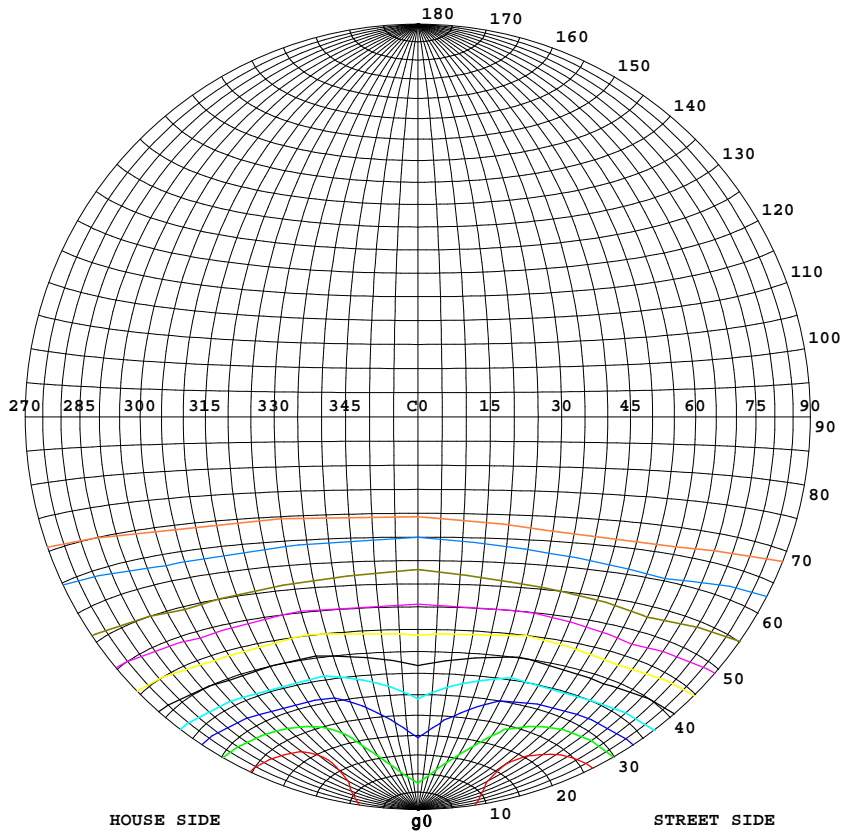


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

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=1.1494]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.16V I:0.4000A P:47.630W PF:0.9920 Freq:60.00Hz Lamp Flux:6164.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



Classification:

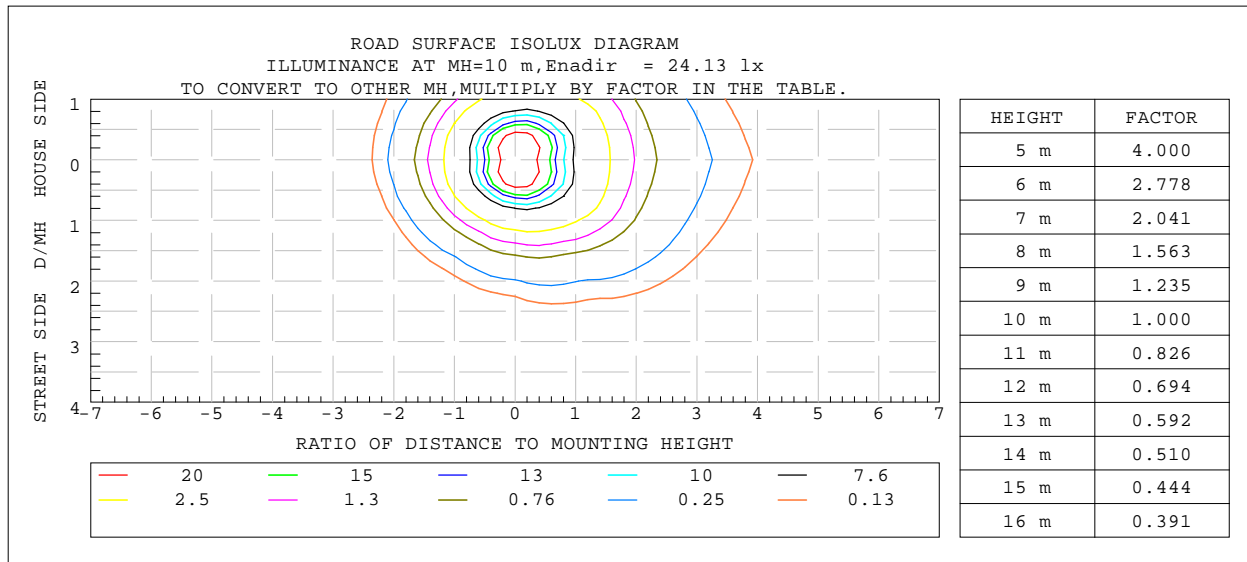
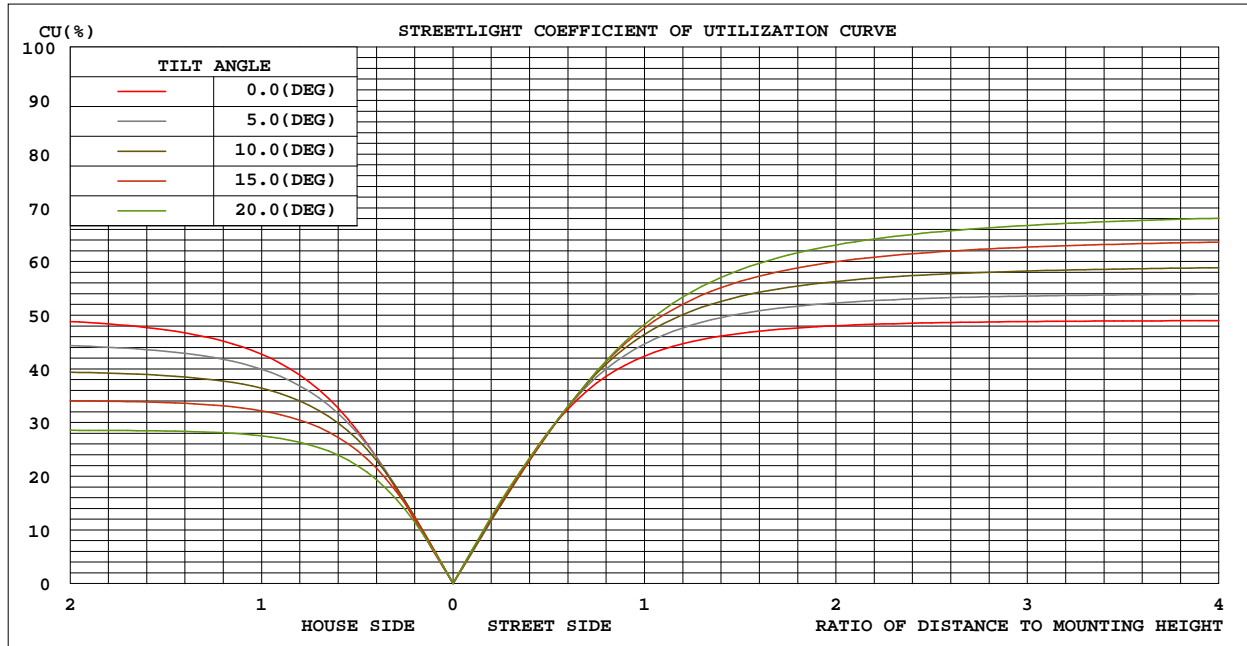
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:99.25cd/klm
 Max.At90:24.23cd/klm
 Max.80-90:99.25cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2880
90%	2592
80%	2304
70%	2016
60%	1728
50%	1440
40%	1152
30%	864
20%	576
10%	288
5%	144

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

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=1.1494]
 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: 2022-09-13

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=1.1494]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.16V I:0.4000A P:47.630W PF:0.9920 Freq:60.00Hz Lamp Flux:6164.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

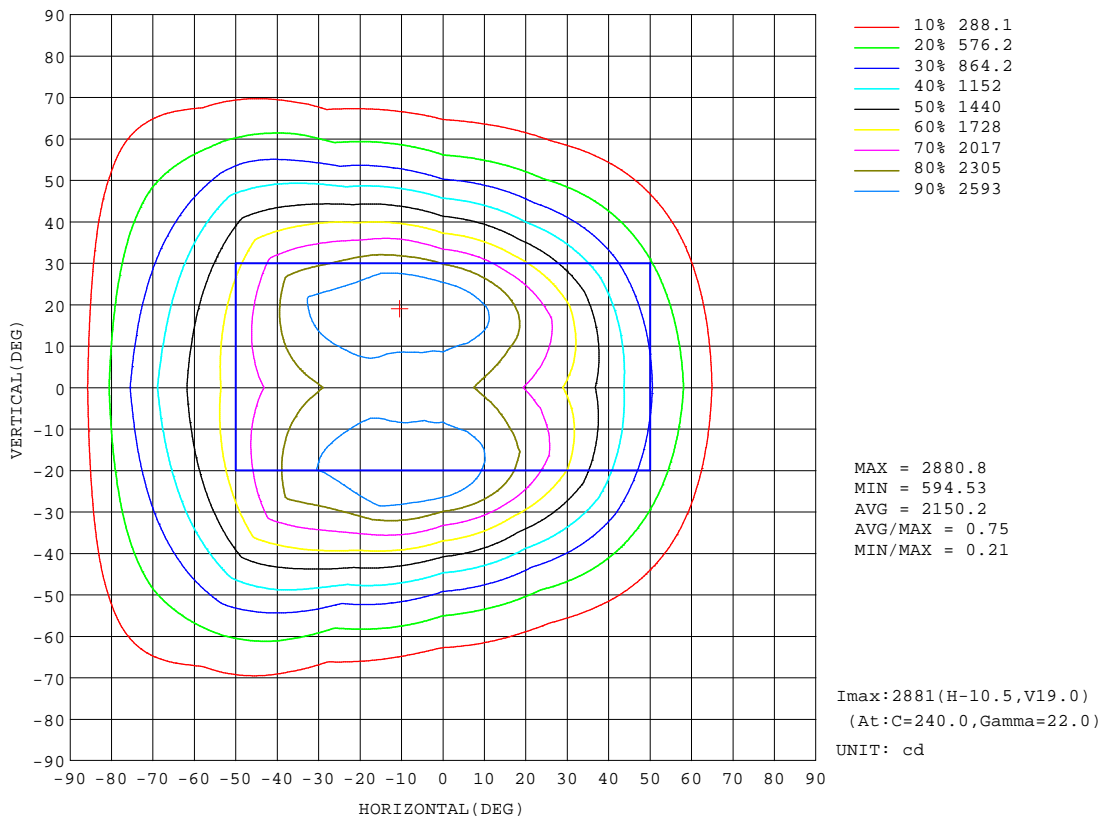
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	2255	2468	2639	2556	2445	2542	2643	2459	0- 10	234.8	234.8	3.81,3.81
20	1999	2440	2801	2741	2435	2767	2819	2470	10- 20	726.0	960.8	15.6,15.6
30	1692	2084	2296	2688	2284	2687	2290	2091	20- 30	1140	2101	34.1,34.1
40	1306	1400	1503	2232	2086	2265	1531	1440	30- 40	1275	3376	54.8,54.8
50	885.6	786.2	818.3	1670	1838	1677	877.6	835.2	40- 50	1136	4512	73.2,73.2
60	489.4	342.1	397.2	1051	1509	1070	428.0	393.3	50- 60	843.1	5356	86.9,86.9
70	121.9	74.41	110.4	515.1	1110	517.8	157.3	130.9	60- 70	504.7	5860	95.1,95.1
80	6.153	2.464	3.019	126.2	611.8	136.2	19.54	7.652	70- 80	210.8	6071	98.5,98.5
90	1.787	1.227	0.4162	7.599	149.4	25.44	1.861	1.214	80- 90	48.00	6119	99.3,99.3
100	3.369	1.997	0.8453	2.310	24.73	7.986	0.7607	1.839	90-100	16.60	6136	99.5,99.5
110	5.177	3.332	2.027	1.927	2.591	3.698	3.215	3.262	100-110	3.357	6139	99.6,99.6
120	6.915	5.061	3.275	3.008	3.759	2.795	3.351	4.566	110-120	3.495	6142	99.6,99.6
130	8.182	6.892	5.296	4.618	5.371	4.369	4.792	6.344	120-130	4.300	6147	99.7,99.7
140	9.056	8.309	7.394	6.256	7.074	6.102	6.862	7.746	130-140	5.015	6152	99.8,99.8
150	9.562	9.356	8.378	7.446	7.172	7.290	7.983	8.951	140-150	4.913	6157	99.9,99.9
160	10.11	9.962	9.117	9.246	8.628	9.301	8.792	9.851	150-160	4.017	6161	99.9,99.9
170	10.58	10.69	10.13	9.862	11.10	9.858	9.918	10.69	160-170	2.808	6164	100,100
180	11.02	10.97	11.10	11.00	10.97	10.99	11.08	11.05	170-180	1.037	6165	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:2022-09-13

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=1.1494]
 Remarks:

ISOCANDELA DIAGRAM

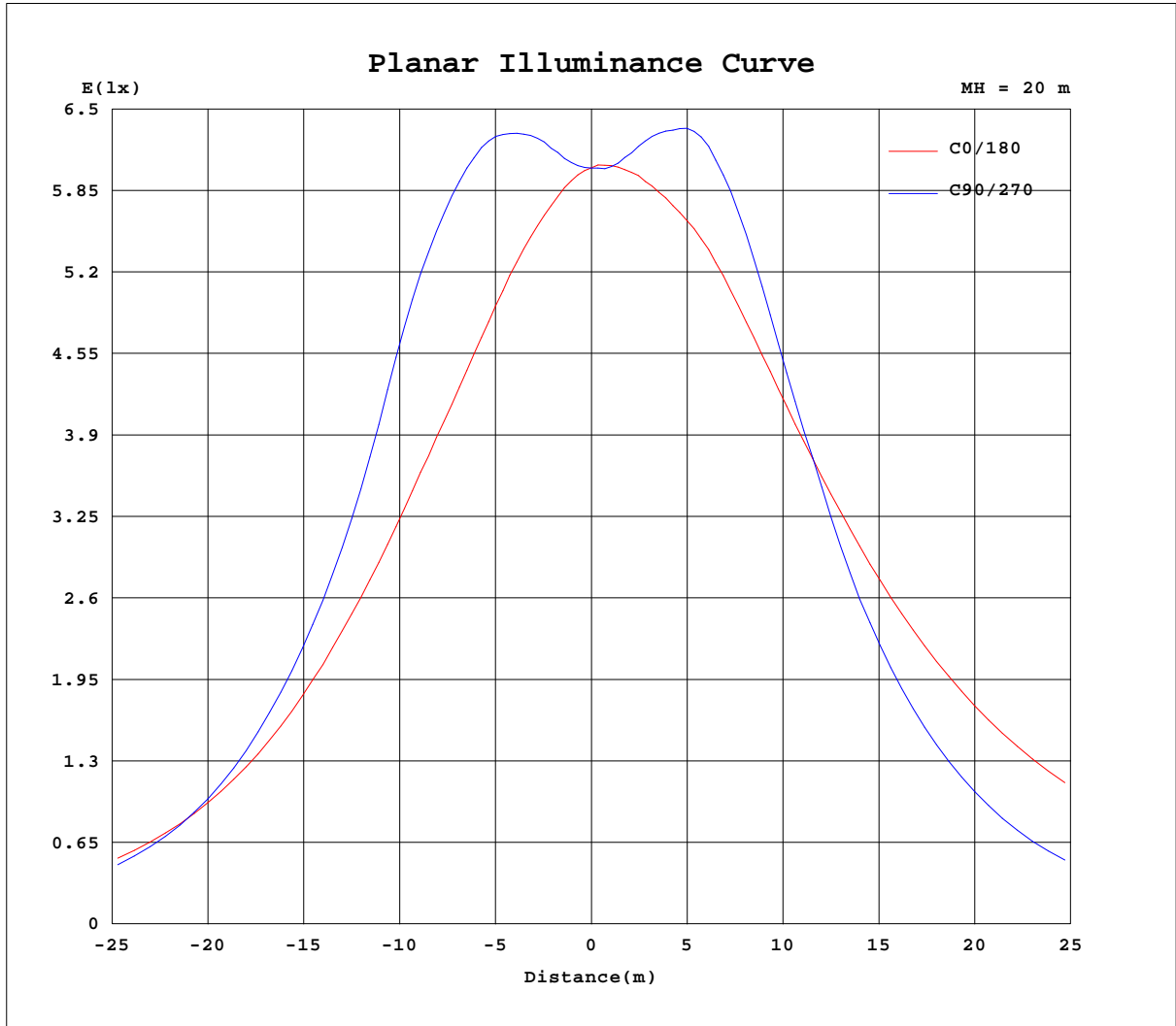
Test:U:120.16V I:0.4000A P:47.630W PF:0.9920 Freq:60.00Hz Lamp Flux:6164.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

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=1.1494]
 Remarks:

Planar Illuminance Curve



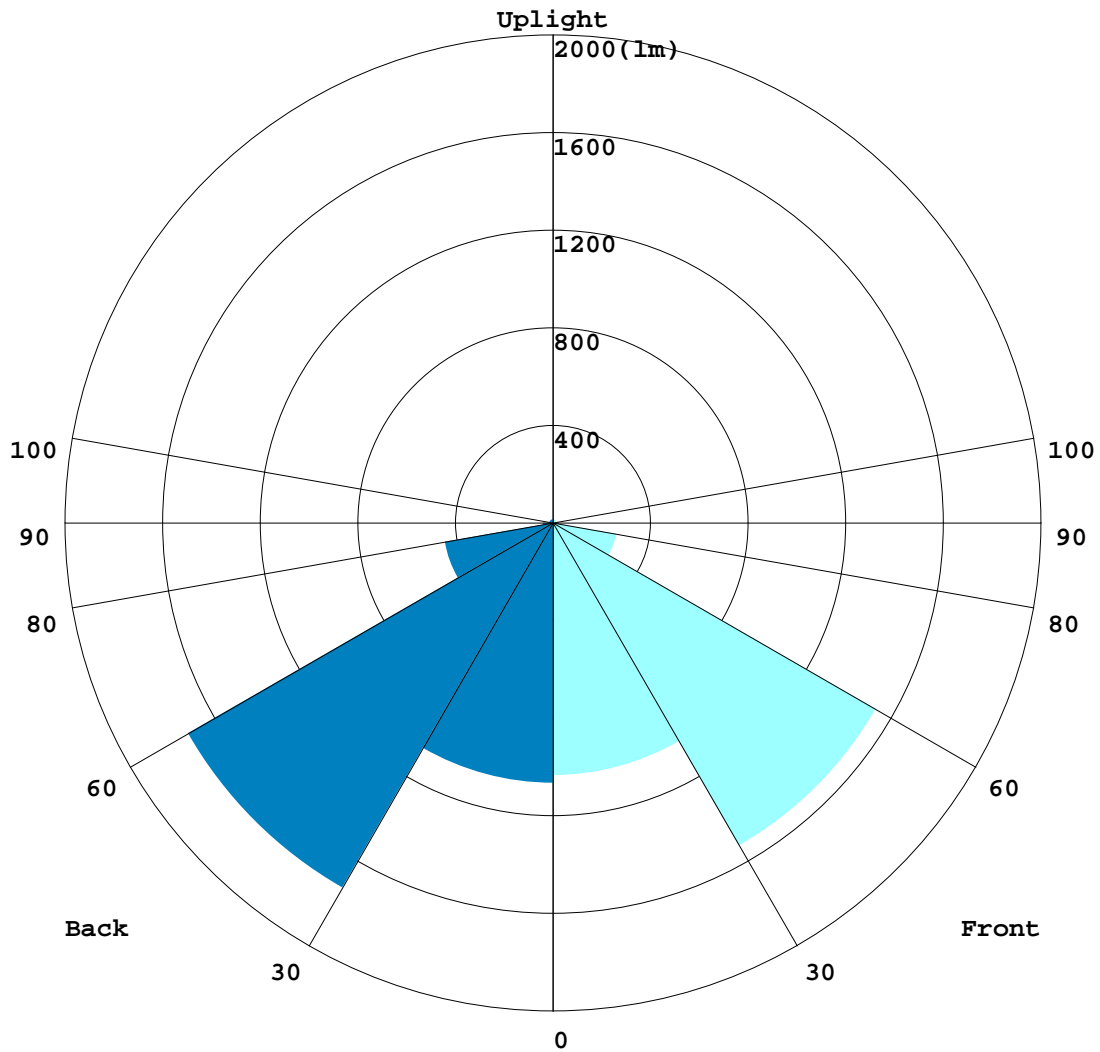
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-09-13

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=1.1494]
 Remarks:

LCS REPORT

Test:U:120.16V I:0.4000A P:47.630W PF:0.9920 Freq:60.00Hz Lamp Flux:6164.31x1 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:2022-09-13

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=1.1494]
 Remarks:

BUG REPORT

Test:U:120.16V I:0.4000A P:47.630W PF:0.9920 Freq:60.00Hz Lamp Flux:6164.31x1 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)	1035.2	16.8
FM - Front-Medium(30-60)	1527.8	24.8
FH - Front-High(60-80)	265.13	4.3
FVH - Front-Very High(80-90)	7.6281	0.1
Total Forward Light	2852.4	46.3

BL - Back-Low(0-30)	1065.9	17.3
BM - Back-Medium(30-60)	1726.6	28.0
BH - Back-High(60-80)	450.37	7.3
BVH - Back-Very High(80-90)	40.368	0.7
Total Back Light	3312.2	53.7

UL - Uplight-Low(90-100)	16.599	0.3
UH - Uplight-High(100-180)	28.943	0.5
Total Up Light	45.542	0.7

BUG(Back,Up,Glare) Rating	B3-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3283.2	28.97	3312.2
Street Side	2835.8	16.572	2852.4

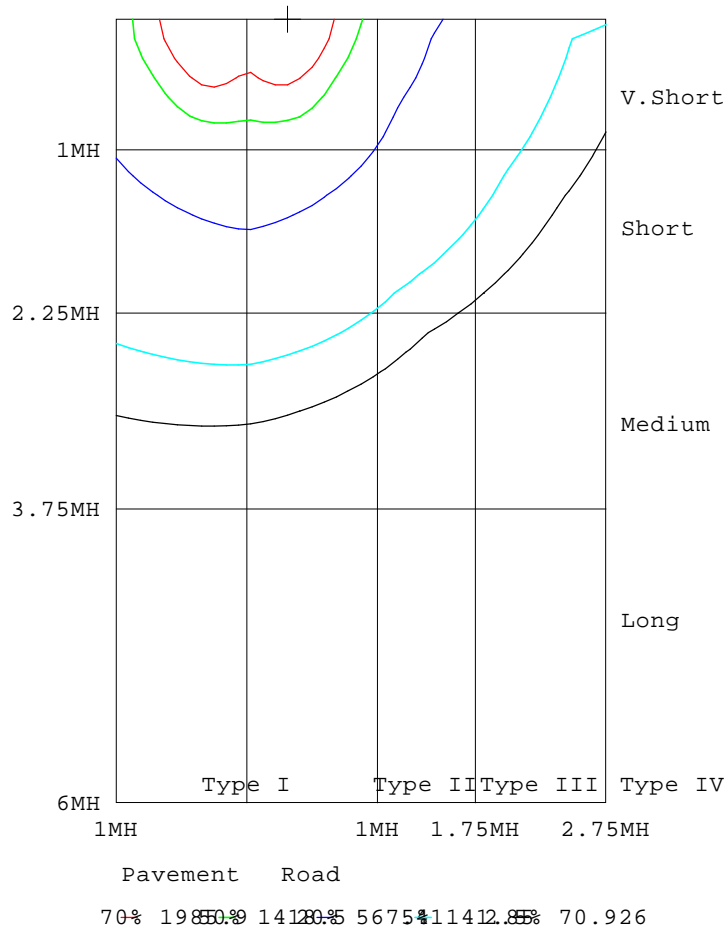
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-13

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=1.1494]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.16V I:0.4000A P:47.630W PF:0.9920 Freq:60.00Hz Lamp Flux:6164.31x1 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:2022-09-13

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=1.1494]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.16V I:0.4000A P:47.630W PF:0.9920 Freq:60.00Hz Lamp Flux:6164.31x1 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	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413						
5	2349	2390	2455	2490	2478	2443	2435	2432	2456	2474	2435	2383						
10	2255	2381	2554	2639	2615	2498	2445	2482	2601	2643	2543	2375						
15	2132	2348	2622	2773	2741	2588	2461	2572	2754	2807	2636	2353						
20	1999	2279	2601	2801	2829	2654	2435	2664	2870	2819	2646	2294						
25	1858	2180	2459	2679	2831	2666	2369	2702	2845	2613	2456	2209						
30	1692	2015	2153	2296	2711	2666	2284	2725	2649	2290	2129	2053						
35	1507	1751	1728	1881	2357	2615	2193	2685	2352	1887	1788	1786						
40	1306	1448	1352	1503	1970	2495	2086	2542	1987	1531	1410	1470						
45	1097	1144	1012	1132	1614	2320	1970	2315	1650	1196	1079	1163						
50	886	857	715	818	1266	2074	1838	2039	1315	878	790	880						
55	702	593	486	580	924	1775	1684	1738	995	624	550	628						
60	489	376	308	397	654	1448	1509	1435	705	428	368	418						
65	285	208	171	217	432	1095	1313	1117	469	278	236	257						
70	122	73.6	75.3	110	257	774	1110	752	284	157	129	133						
75	22.5	11.0	6.94	37.2	121	469	886	455	143	66.7	49.1	40.0						
80	6.15	2.84	2.08	3.02	45.0	208	612	210	61.8	19.5	10.3	5.00						
85	4.58	1.42	0.89	1.09	6.54	38.3	318	33.5	18.5	5.42	2.93	1.48						
90	1.79	1.65	0.81	0.42	0.79	14.4	149	39.2	11.7	1.86	0.94	1.49						
95	2.58	1.93	0.91	0.73	1.66	12.7	128	39.4	6.50	0.77	0.80	1.78						
100	3.37	2.69	1.30	0.85	1.50	3.12	24.7	13.3	2.66	0.76	1.15	2.53						
105	4.19	3.40	1.92	2.22	2.64	1.90	3.52	3.39	6.18	2.08	1.90	2.97						
110	5.18	4.13	2.54	2.03	1.69	2.17	2.59	2.52	4.88	3.22	2.82	3.71						
115	6.01	5.36	3.36	2.44	2.11	2.59	3.14	2.64	2.59	3.60	3.37	4.88						
120	6.91	5.85	4.27	3.27	2.85	3.16	3.76	2.95	2.64	3.35	3.76	5.37						
125	7.62	6.57	5.40	4.22	3.67	3.87	4.52	3.65	3.39	3.73	4.79	6.14						
130	8.18	7.30	6.48	5.30	4.56	4.67	5.37	4.45	4.29	4.79	5.91	6.78						
135	8.70	7.85	7.48	6.41	5.42	5.48	6.19	5.29	5.23	5.87	6.89	7.31						
140	9.06	8.37	8.25	7.39	6.22	6.29	7.07	6.16	6.04	6.86	7.54	7.95						
145	9.29	8.75	8.58	8.12	6.81	6.76	7.95	6.57	6.75	7.53	7.93	8.24						
150	9.56	9.88	8.83	8.38	7.66	7.23	7.17	6.99	7.59	7.98	8.34	9.56						
155	9.84	9.32	9.24	8.75	8.33	7.86	7.92	7.66	8.30	8.48	8.97	9.23						
160	10.1	10.0	9.90	9.12	8.94	9.55	8.63	9.52	9.08	8.79	9.66	10.0						
165	10.4	10.4	9.74	9.48	8.87	10.3	10.9	10.4	9.07	9.28	10.2	10.7						
170	10.6	10.9	10.5	10.1	9.73	10.00	11.1	9.87	9.84	9.92	10.5	10.9						
175	12.9	12.4	11.8	10.9	10.5	10.7	10.5	10.6	10.7	10.6	11.6	12.3						
180	11.0	10.9	11.0	11.1	11.0	11.0	11.0	11.0	11.1	11.2	10.9							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

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=1.1494]
 Remarks: