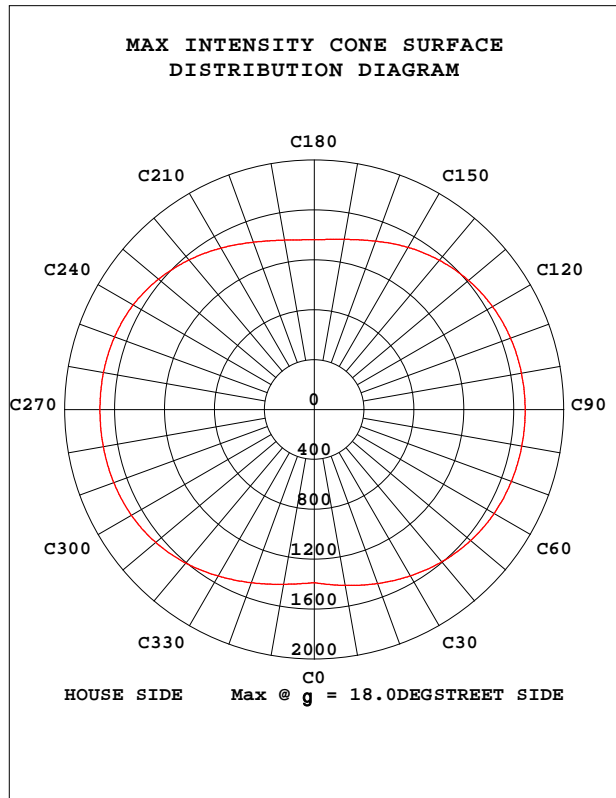
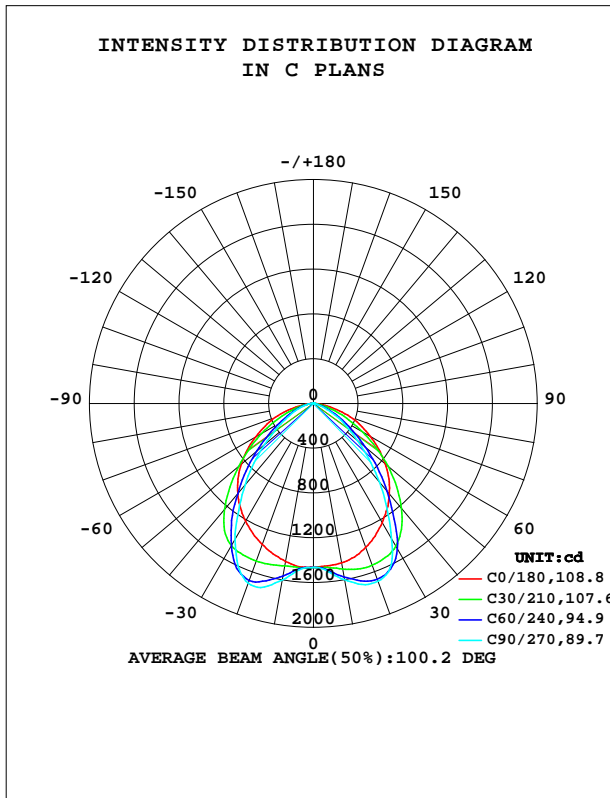


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.04V I:0.2360A P:27.800W PF:0.9830 Freq:60.00Hz Lamp Flux:3764.31x1 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: 135.41 lm/W			
MSDEELA-MV-30DAV-BK(4000K)		Imax(cd)	1718	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)	3764	h house_up(%)	0.2
NOMINAL FLUX(lm)	3764.31	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	18.072

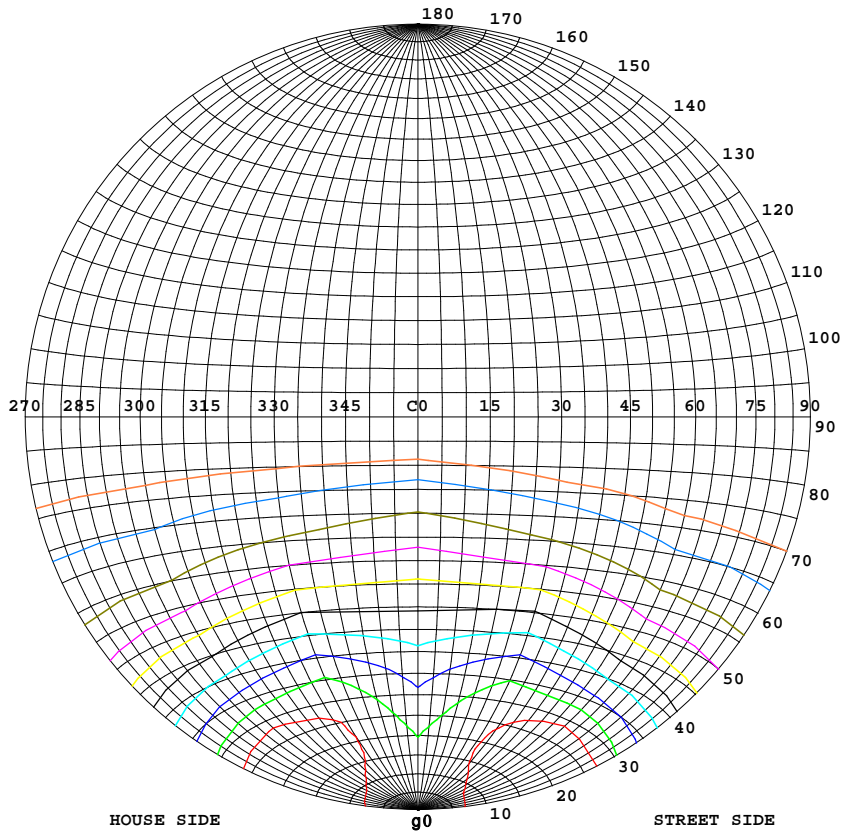


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-12

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=1.0023]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.04V I:0.2360A P:27.800W PF:0.9830 Freq:60.00Hz Lamp Flux:3764.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



Classification:

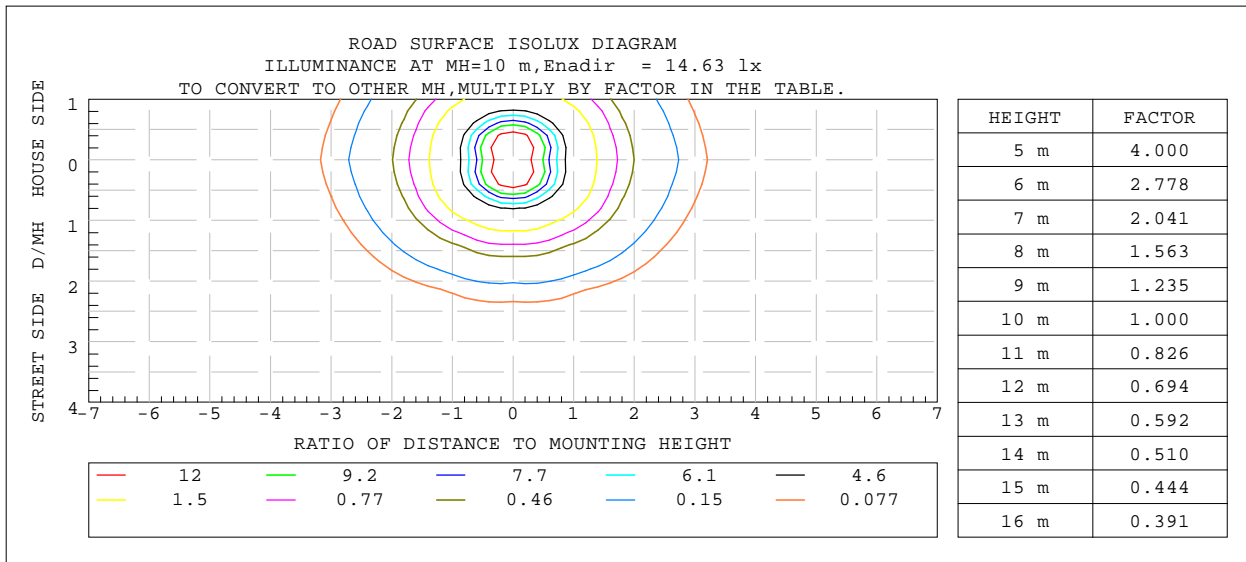
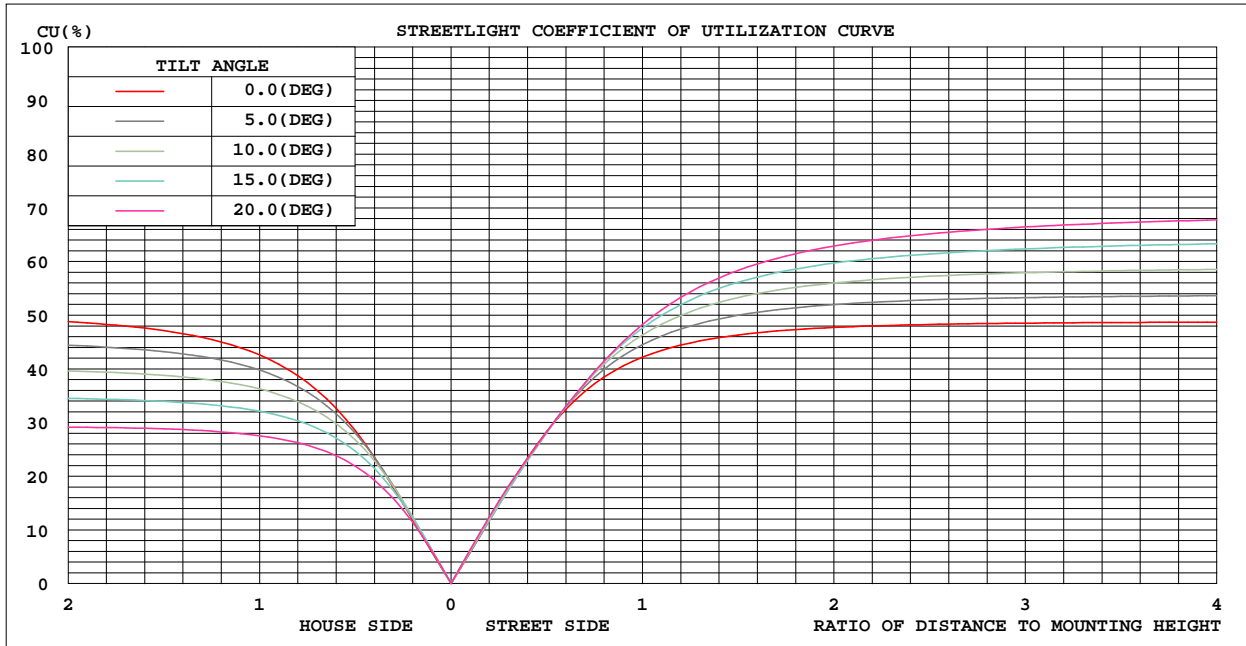
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:32.24cd/klm
 Max.At90:1.708cd/klm
 Max.80-90:32.24cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1718
90%	1546
80%	1375
70%	1203
60%	1031
50%	859
40%	687
30%	515
20%	344
10%	172
5%	86

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=1.0023]
 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=1.0023]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.04V I:0.2360A P:27.800W PF:0.9830 Freq:60.00Hz Lamp Flux:3764.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

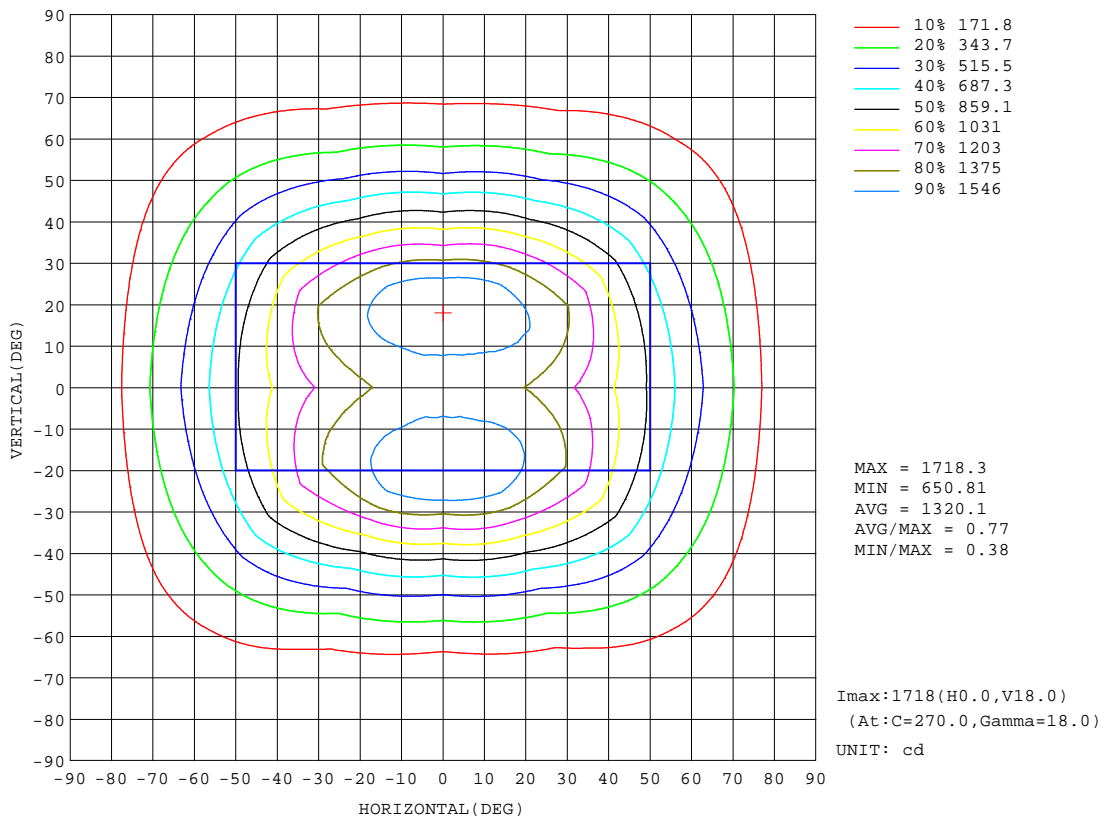
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1446	1538	1597	1531	1433	1518	1600	1527	0- 10	142.8	142.8	3.79,3.79
20	1367	1603	1689	1574	1341	1590	1707	1622	10- 20	443.0	585.8	15.6,15.6
30	1230	1487	1399	1468	1214	1466	1404	1488	20- 30	700.3	1286	34.2,34.2
40	1057	1126	922.2	1121	1053	1144	950.6	1144	30- 40	788.0	2074	55.1,55.1
50	837.0	737.6	514.0	740.2	842.0	766.7	567.2	757.8	40- 50	698.9	2773	73.7,73.7
60	586.1	403.1	265.1	407.7	595.7	441.8	300.2	430.5	50- 60	510.2	3283	87.2,87.2
70	350.9	169.6	85.79	174.4	363.7	213.6	152.4	206.2	60- 70	304.6	3588	95.3,95.3
80	107.9	28.75	0.7861	33.22	121.3	78.86	56.37	73.21	70- 80	134.0	3722	98.9,98.9
90	1.666	0.5469	0.1875	0.6327	2.594	5.866	5.669	4.740	80- 90	25.17	3747	99.5,99.5
100	0.8703	0.5913	0.5033	0.6828	1.219	0.7411	0.3207	0.6132	90-100	0.8890	3748	99.6,99.6
110	1.650	1.223	1.065	1.416	2.117	1.576	0.9356	1.366	100-110	1.080	3749	99.6,99.6
120	2.532	2.079	1.922	2.423	3.154	2.678	1.856	2.394	110-120	1.864	3751	99.6,99.6
130	3.414	3.028	3.078	3.438	4.164	3.797	3.199	3.492	120-130	2.610	3753	99.7,99.7
140	4.136	3.989	4.271	4.346	4.971	4.634	4.440	4.504	130-140	3.039	3756	99.8,99.8
150	4.836	4.725	5.057	4.959	5.633	5.177	5.329	5.192	140-150	2.979	3759	99.9,99.9
160	5.594	5.445	5.662	5.650	6.114	5.859	5.848	5.784	150-160	2.493	3762	99.9,99.9
170	6.284	6.341	6.438	6.533	6.520	6.584	6.388	6.355	160-170	1.707	3764	100,100
180	6.851	7.031	7.111	7.061	6.787	7.071	7.063	7.013	170-180	0.6384	3764	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=1.0023]
 Remarks:

ISOCANDELA DIAGRAM

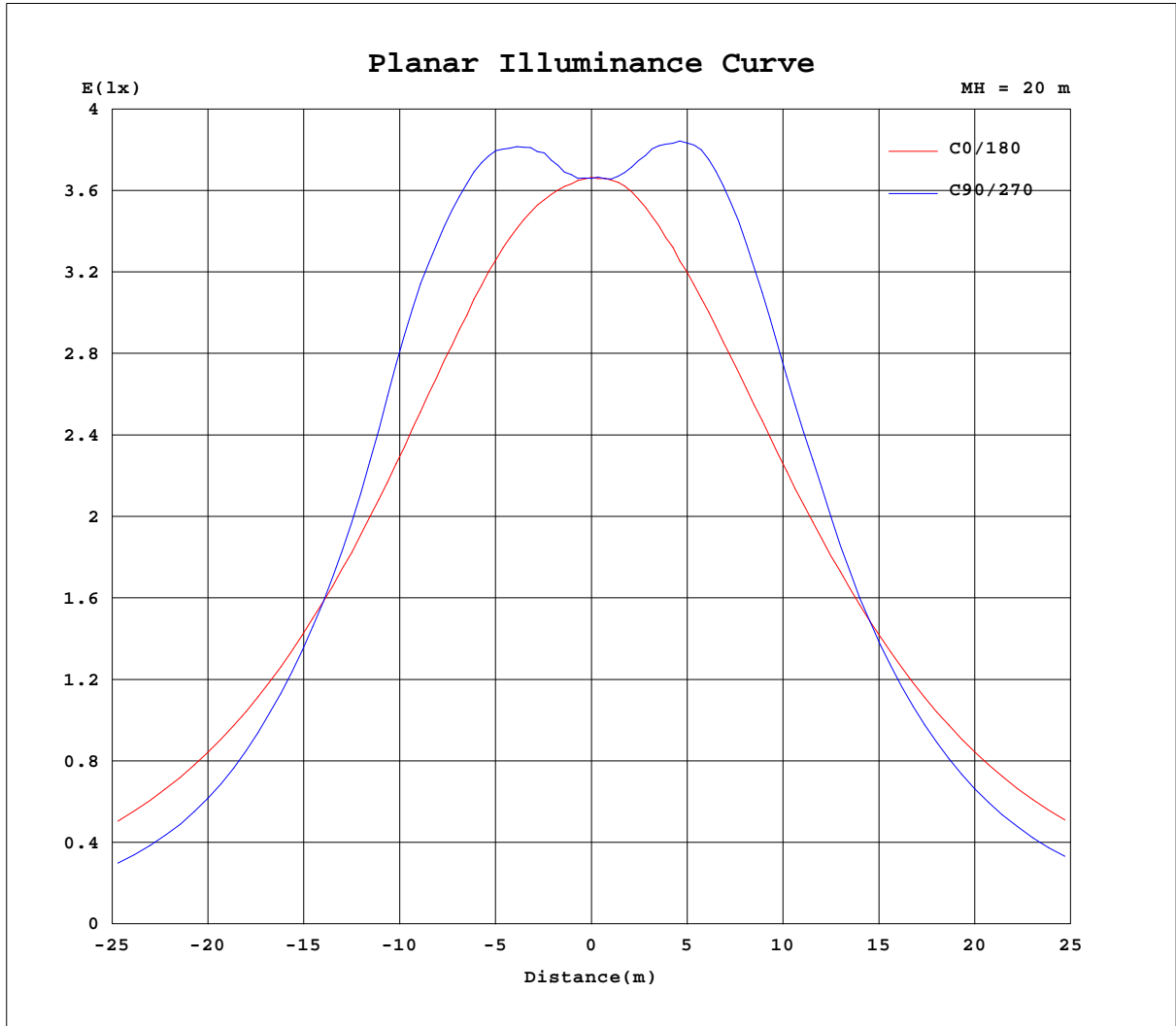
Test:U:120.04V I:0.2360A P:27.800W PF:0.9830 Freq:60.00Hz Lamp Flux:3764.31x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



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=1.0023]
 Remarks:

Planar Illuminance Curve



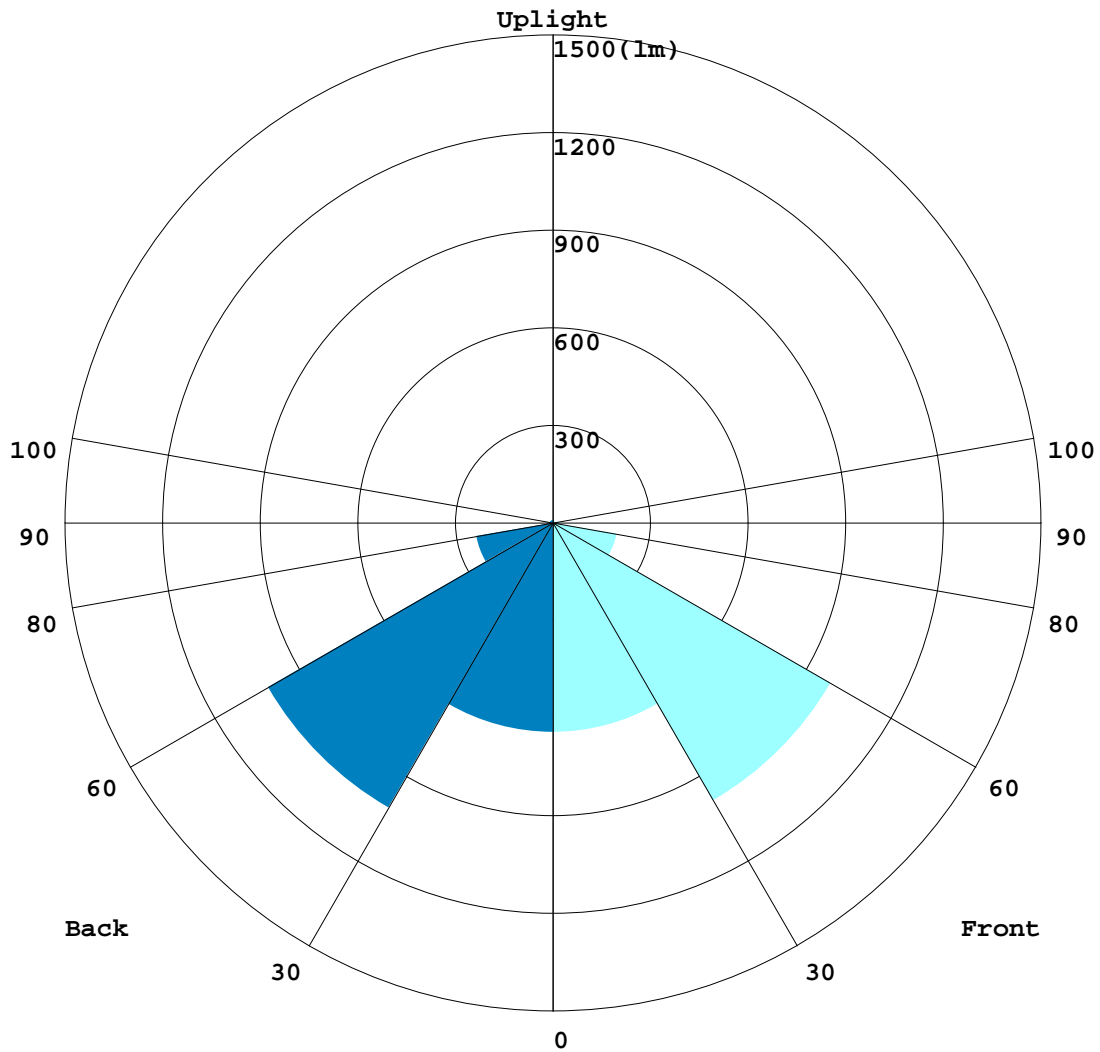
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-09-12

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=1.0023]
 Remarks:

LCS REPORT

Test:U:120.04V I:0.2360A P:27.800W PF:0.9830 Freq:60.00Hz Lamp Flux:3764.31x1 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=1.0023]
 Remarks:

BUG REPORT

Test:U:120.04V I:0.2360A P:27.800W PF:0.9830 Freq:60.00Hz Lamp Flux:3764.31x1 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)	643.08	17.1
FM - Front-Medium(30-60)	985.76	26.2
FH - Front-High(60-80)	199.88	5.3
FVH - Front-Very High(80-90)	6.3835	0.2
Total Forward Light	1843.2	49.0

BL - Back-Low(0-30)	643.05	17.1
BM - Back-Medium(30-60)	1011.3	26.9
BH - Back-High(60-80)	238.72	6.3
BVH - Back-Very High(80-90)	18.79	0.5
Total Back Light	1921.1	51.0

UL - Uplight-Low(90-100)	0.88902	0.0
UH - Uplight-High(100-180)	16.411	0.4
Total Up Light	17.3	0.5

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1911.9	9.1925	1921.1
Street Side	1835.1	8.1078	1843.2

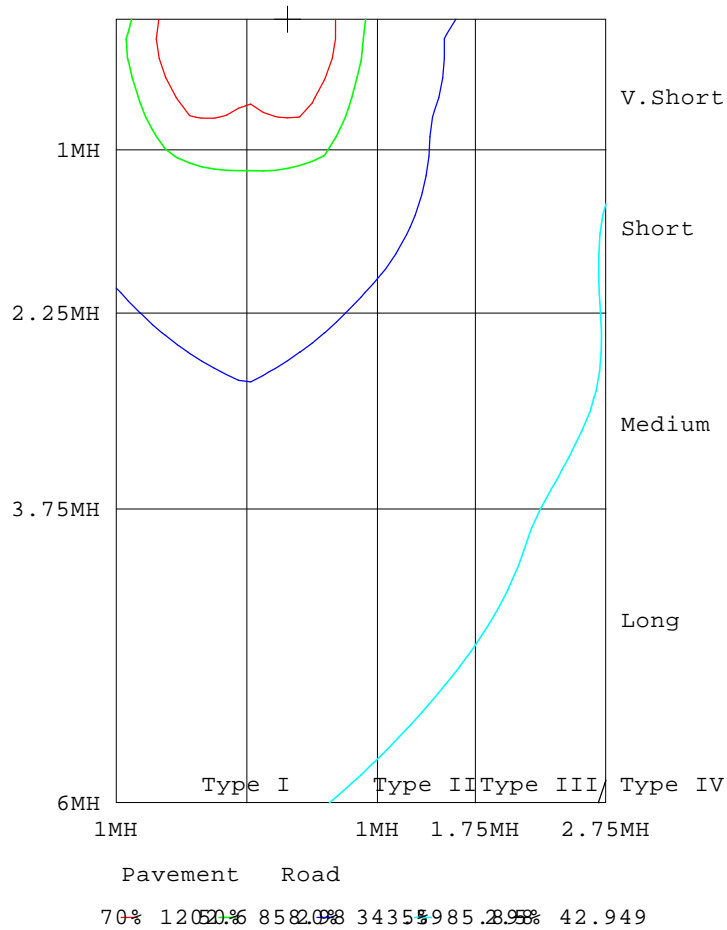
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-12

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=1.0023]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.04V I:0.2360A P:27.800W PF:0.9830 Freq:60.00Hz Lamp Flux:3764.31x1 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=1.0023]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:0.2360A P:27.800W PF:0.9830 Freq:60.00Hz Lamp Flux:3764.31x1 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	1464	1464	1464	1464	1464	1464	1464	1464	1464	1464	1464	1464						
5	1456	1471	1493	1507	1499	1475	1463	1472	1482	1493	1483	1464						
10	1446	1501	1574	1597	1576	1485	1433	1471	1564	1600	1566	1488						
15	1420	1532	1639	1674	1626	1496	1391	1490	1639	1697	1653	1529						
20	1367	1536	1670	1689	1652	1497	1341	1497	1684	1707	1700	1544						
25	1306	1519	1632	1622	1612	1484	1282	1493	1624	1596	1640	1539						
30	1230	1472	1501	1399	1490	1445	1214	1467	1465	1404	1483	1493						
35	1148	1371	1259	1148	1247	1359	1139	1386	1275	1164	1285	1390						
40	1057	1226	1025	922	1016	1226	1053	1236	1052	951	1059	1228						
45	954	1053	810	699	805	1061	955	1056	850	752	849	1043						
50	837	870	606	514	602	878	842	872	661	567	657	859						
55	712	683	433	371	435	691	722	696	495	416	488	679						
60	586	505	301	265	302	513	596	532	352	300	345	516						
65	466	352	197	148	201	358	475	382	246	216	241	367						
70	351	227	112	85.8	114	235	364	256	171	152	167	245						
75	218	129	51.2	32.6	53.1	137	232	162	115	99.9	112	152						
80	108	48.8	8.74	0.79	9.88	56.6	121	89.6	68.2	56.4	65.0	81.4						
85	30.2	6.83	0.41	0.10	0.43	8.92	40.8	33.6	29.9	24.6	27.4	26.2						
90	1.67	0.87	0.23	0.19	0.25	1.01	2.59	5.30	6.43	5.67	5.84	3.64						
95	0.62	0.46	0.27	0.32	0.34	0.51	1.11	0.66	0.35	0.19	0.24	0.58						
100	0.87	0.73	0.45	0.50	0.55	0.81	1.22	0.94	0.55	0.32	0.40	0.82						
105	1.24	1.03	0.72	0.75	0.86	1.17	1.66	1.38	0.86	0.58	0.68	1.23						
110	1.65	1.41	1.03	1.07	1.22	1.61	2.12	1.85	1.30	0.94	1.02	1.71						
115	2.08	1.84	1.42	1.48	1.72	2.09	2.66	2.39	1.82	1.37	1.45	2.24						
120	2.53	2.27	1.89	1.92	2.26	2.58	3.15	2.94	2.41	1.86	1.97	2.82						
125	3.01	2.68	2.44	2.46	2.80	3.06	3.67	3.45	3.09	2.49	2.55	3.36						
130	3.41	3.12	2.94	3.08	3.37	3.51	4.16	3.88	3.71	3.20	3.14	3.84						
135	3.78	3.57	3.46	3.68	3.94	3.89	4.61	4.25	4.26	3.82	3.76	4.32						
140	4.14	3.97	4.00	4.27	4.42	4.27	4.97	4.57	4.70	4.44	4.32	4.68						
145	4.47	4.31	4.47	4.75	4.70	4.61	5.31	4.88	4.96	4.98	4.77	4.97						
150	4.84	4.64	4.81	5.06	4.92	5.00	5.63	5.20	5.15	5.33	5.09	5.29						
155	5.24	4.93	5.19	5.34	5.21	5.35	5.96	5.62	5.49	5.65	5.45	5.57						
160	5.59	5.36	5.53	5.66	5.58	5.72	6.11	6.01	5.71	5.85	5.72	5.85						
165	5.96	5.84	5.85	5.91	6.02	6.14	6.30	6.35	6.04	6.05	6.05	6.07						
170	6.28	6.25	6.43	6.44	6.53	6.54	6.52	6.73	6.44	6.39	6.43	6.28						
175	6.59	6.65	6.93	6.80	6.94	6.92	6.68	7.10	6.98	6.82	6.84	6.68						
180	6.85	7.00	7.06	7.11	7.15	6.97	6.79	7.10	7.05	7.06	7.10	6.93						

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=1.0023]
 Remarks: