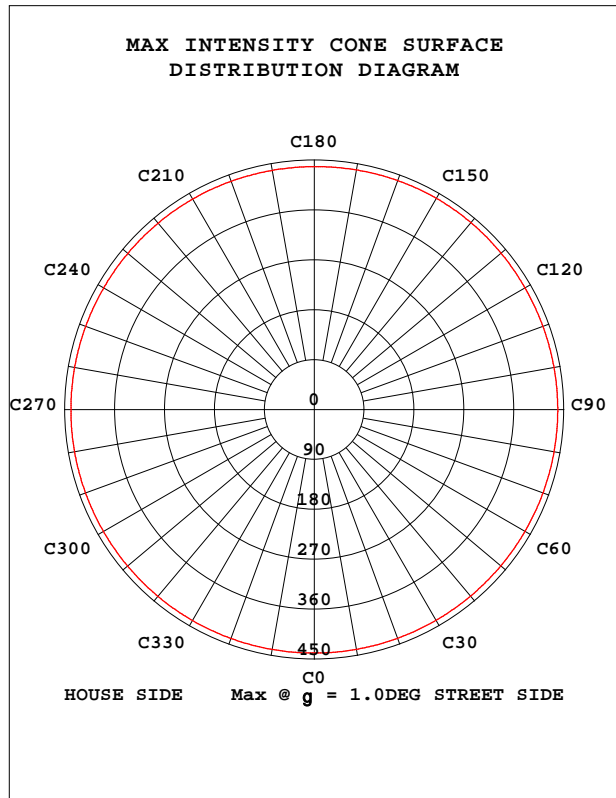
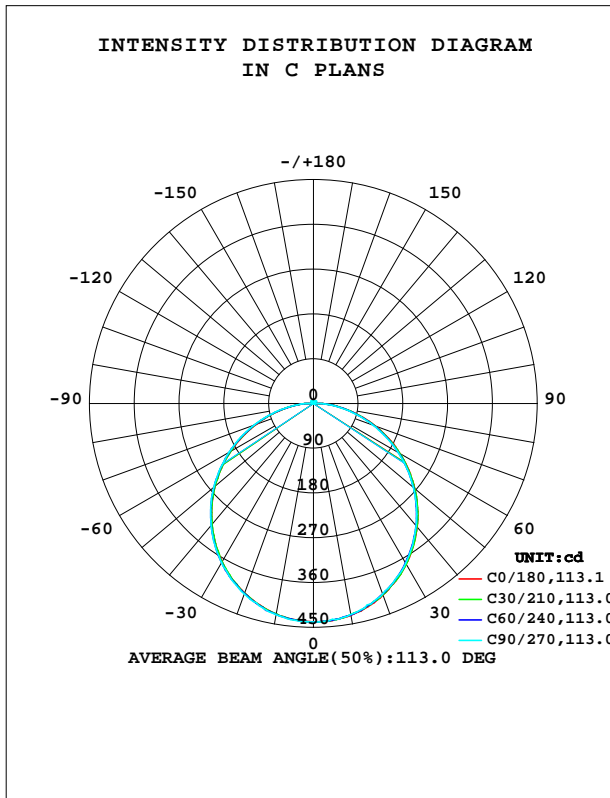


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.96V I:0.1802A P:15.035W PF:0.9957 Freq:60.00Hz Lamp Flux:1300.56x1 lm		
NAME:	TYPE:15W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.50 lm/W			
MODEL-LDS-6D15AC-WH(5000K)		Imax(cd)	440.2	h street_up(%)	0.6
NOMINAL POWER(W)	15	LOR(%)	100.0	h street_down(%)	49.5
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1301	h house_up(%)	0.6
NOMINAL FLUX(lm)	1300.56	MAXIMUM @(C,g)	150,1.0	h house_down(%)	49.3
LAMPS INSIDE	1	h up(%)	1.2	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	230	h down(%)	98.8	SLI	16.817

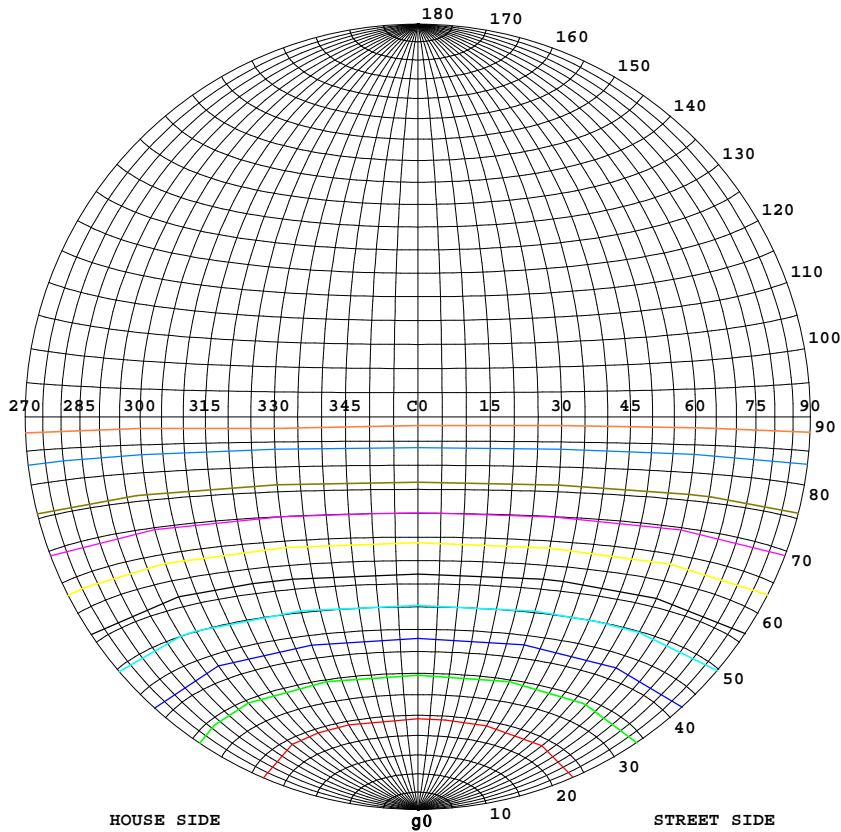


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2024

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.700m [K=1.1149]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.96V I:0.1802A P:15.035W PF:0.9957 Freq:60.00Hz Lamp Flux:1300.56x1 lm		
NAME:	TYPE:15W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



Classification:

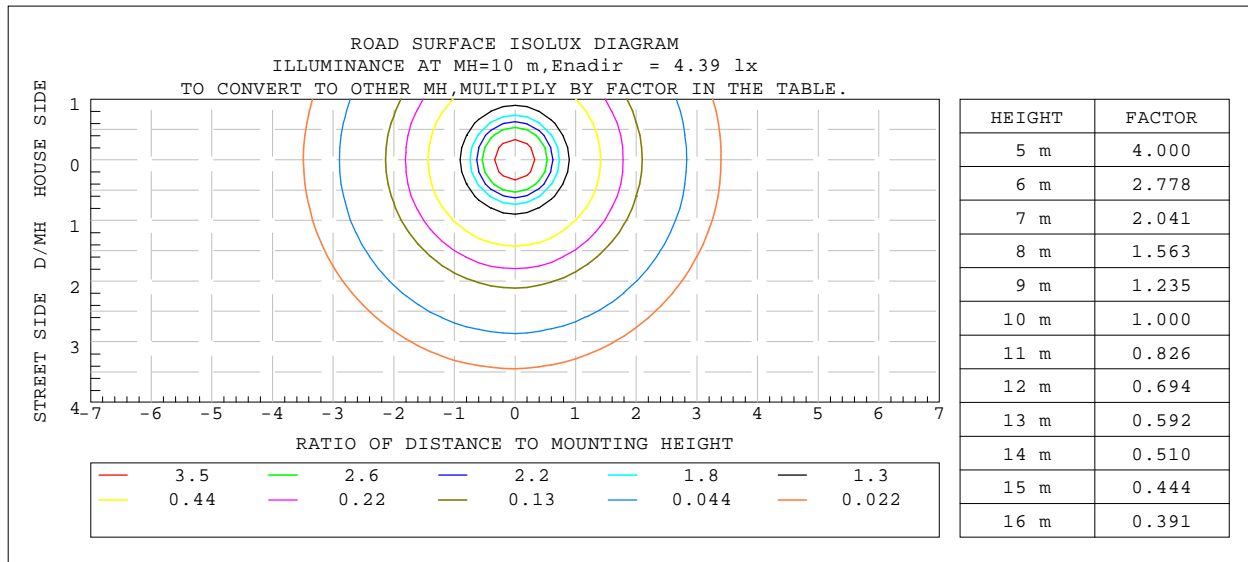
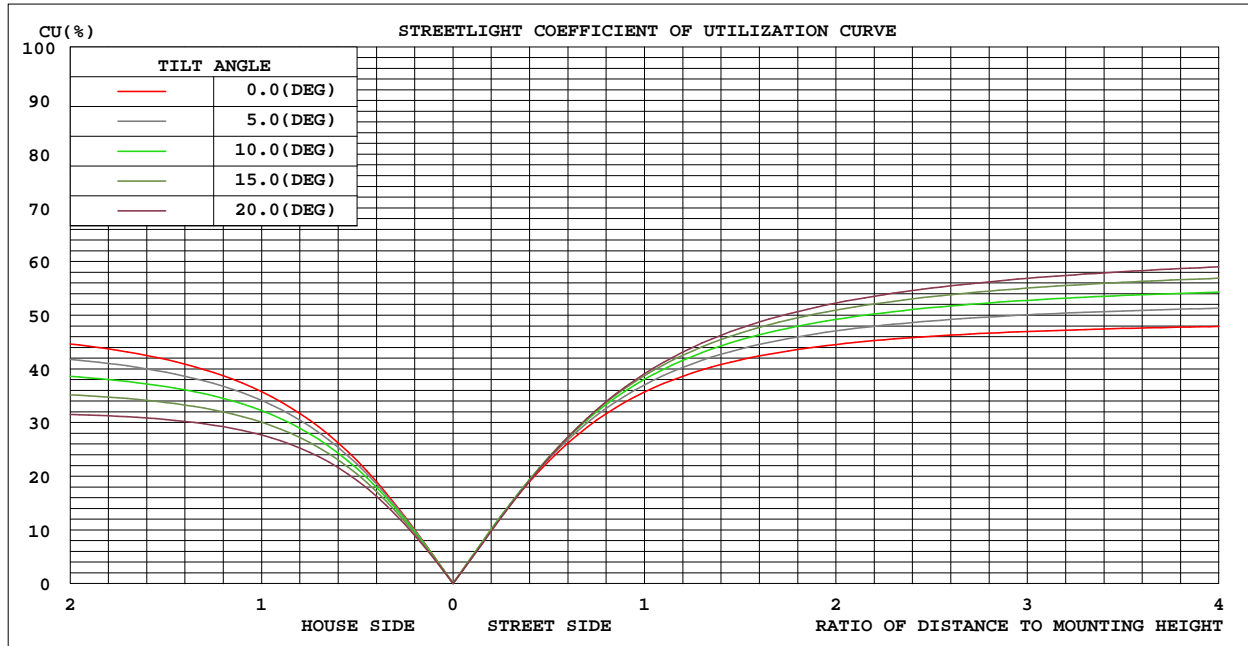
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:50.12cd/klm
 Max.At90:12.31cd/klm
 Max.80-90:50.12cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	440
90%	396
80%	352
70%	308
60%	264
50%	220
40%	176
30%	132
20%	88
10%	44
5%	22

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:19 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.1149]
 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: 19 November 2024

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 8.700m [K=1.1149]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.96V I:0.1802A P:15.035W PF:0.9957 Freq:60.00Hz Lamp Flux:1300.56x1 lm		
NAME:	TYPE:15W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

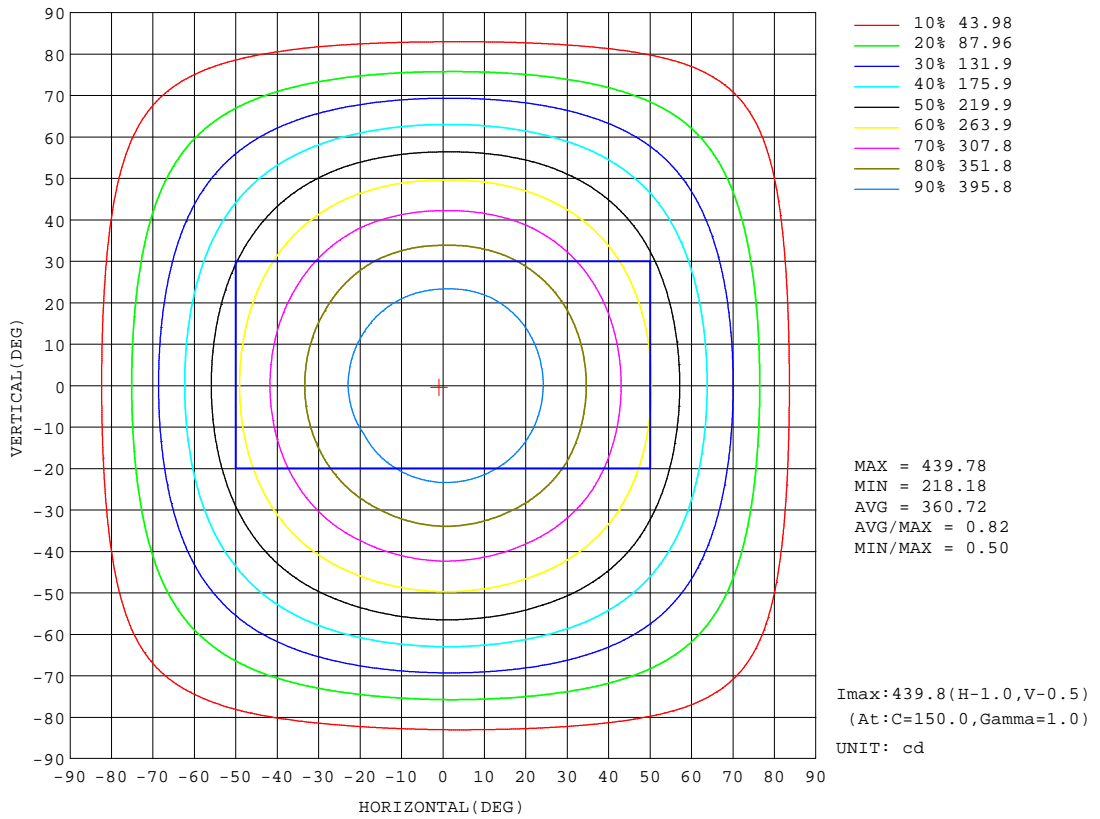
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	432.2	431.6	430.8	429.9	430.0	429.7	431.3	432.2	0- 10	41.53	41.53	3.19,3.19
20	409.7	408.2	407.3	405.1	405.1	405.6	407.1	409.4	10- 20	118.8	160.3	12.3,12.3
30	372.7	371.5	370.6	367.0	367.6	368.3	369.6	373.0	20- 30	179.8	340.1	26.2,26.2
40	324.3	322.2	321.2	317.4	317.4	318.4	320.1	324.0	30- 40	216.8	557.0	42.8,42.8
50	265.9	264.2	262.5	258.4	258.2	259.4	261.2	265.9	40- 50	225.5	782.4	60.2,60.2
60	200.3	198.7	196.7	192.3	192.0	193.6	195.2	200.1	50- 60	205.3	987.7	75.9,75.9
70	132.3	130.0	127.2	123.4	122.4	124.8	127.0	130.6	60- 70	160.3	1148	88.3,88.3
80	65.18	63.66	61.11	57.93	57.37	59.27	60.64	63.66	70- 80	98.61	1247	95.9,95.9
90	15.91	15.46	13.77	12.53	12.52	13.13	13.84	14.51	80- 90	38.04	1285	98.8,98.8
100	1.131	0.3107	0.3392	0.4102	1.083	0.6258	0.4437	0.5571	90-100	4.044	1289	99.1,99.1
110	2.009	0.7907	1.211	1.067	1.627	0.7348	0.9722	1.151	100-110	1.105	1290	99.2,99.2
120	0.6419	1.147	2.385	1.289	0.9153	1.888	2.946	1.345	110-120	1.116	1291	99.3,99.3
130	1.271	3.141	3.126	4.626	1.997	3.361	3.686	3.330	120-130	1.985	1293	99.4,99.4
140	3.587	3.821	6.727	5.383	3.330	4.210	6.990	4.481	130-140	3.363	1296	99.7,99.7
150	1.351	1.732	5.783	1.906	2.258	2.081	5.652	1.851	140-150	2.331	1299	99.9,99.9
160	1.312	3.014	2.326	2.548	1.608	2.901	2.088	2.281	150-160	1.021	1300	99.9,99.9
170	1.942	1.737	2.676	1.806	1.667	1.750	2.396	1.999	160-170	0.7355	1300	100,100
180	1.563	1.605	1.597	1.610	1.563	1.608	1.590	1.617	170-180	0.1568	1301	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:19 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.1149]
 Remarks:

ISOCANDELA DIAGRAM

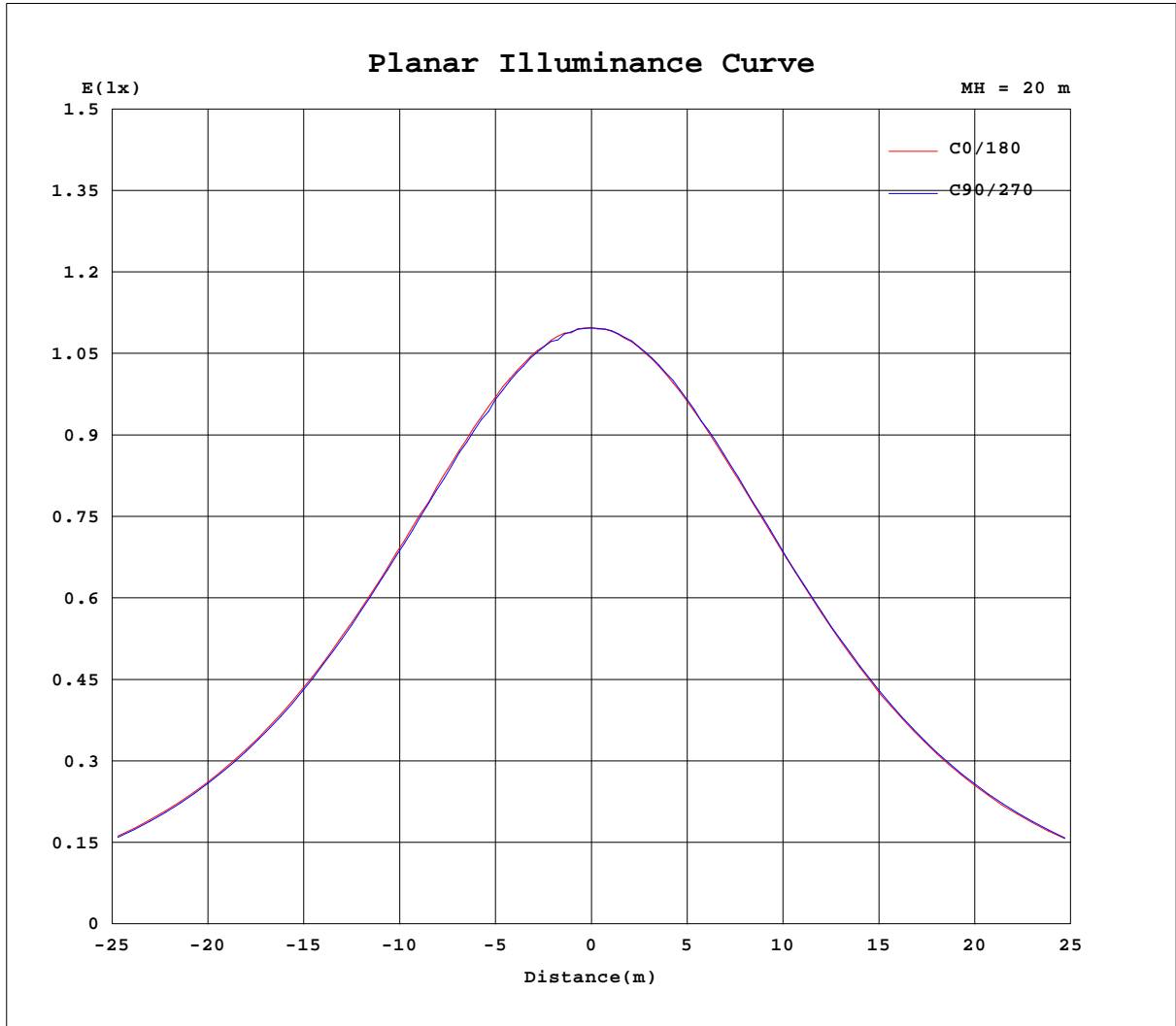
Test:U:119.96V I:0.1802A P:15.035W PF:0.9957 Freq:60.00Hz Lamp Flux:1300.56x1 lm		
NAME:	TYPE:15W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:19 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.1149]
 Remarks:

Planar Illuminance Curve



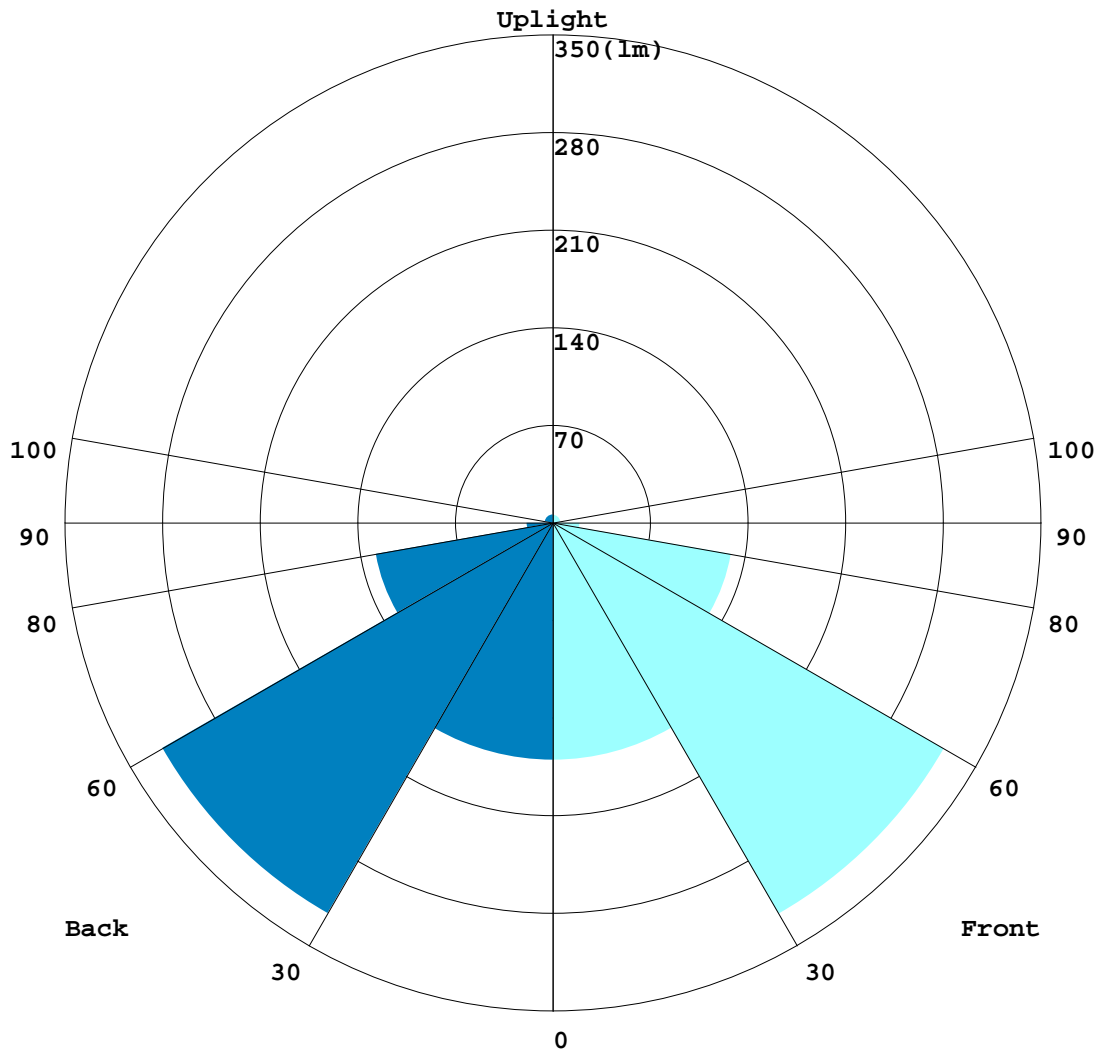
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 19 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.1149]
 Remarks:

LCS REPORT

Test:U:119.96V I:0.1802A P:15.035W PF:0.9957 Freq:60.00Hz Lamp Flux:1300.56x1 lm		
NAME:	TYPE:15W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:19 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.1149]
 Remarks:

BUG REPORT

Test:U:119.96V I:0.1802A P:15.035W PF:0.9957 Freq:60.00Hz Lamp Flux:1300.56x1 lm		
NAME:	TYPE:15W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	170.11	13.1
FM - Front-Medium(30-60)	324.14	24.9
FH - Front-High(60-80)	129.96	10.0
FVH - Front-Very High(80-90)	19.314	1.5
Total Forward Light	651.38	50.1

BL - Back-Low(0-30)	170.04	13.1
BM - Back-Medium(30-60)	323.45	24.9
BH - Back-High(60-80)	128.95	9.9
BVH - Back-Very High(80-90)	18.73	1.4
Total Back Light	649.17	49.9

UL - Uplight-Low(90-100)	4.0438	0.3
UH - Uplight-High(100-180)	11.812	0.9
Total Up Light	15.856	1.2

BUG(Back,Up,Glare) Rating	B1-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	641.17	8.0025	649.17
Street Side	643.53	7.8538	651.38

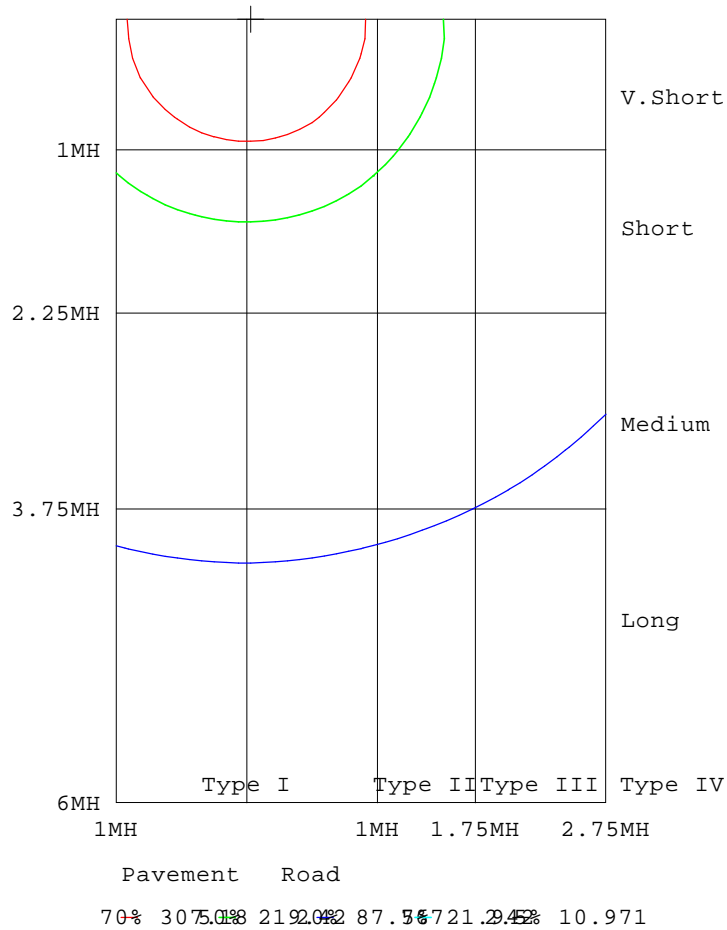
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 November 2024

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.700m [K=1.1149]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.96V I:0.1802A P:15.035W PF:0.9957 Freq:60.00Hz Lamp Flux:1300.56x1 lm		
NAME:	TYPE:15W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:19 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.1149]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.96V I:0.1802A P:15.035W PF:0.9957 Freq:60.00Hz Lamp Flux:1300.56x1 lm		
NAME:	TYPE:15W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	439	439	439	439	439	439	439	439	439	439	439	439						
5	438	437	437	435	436	437	436	436	436	437	438	438						
10	432	431	432	431	430	429	430	429	431	431	432	432						
15	423	422	421	419	420	419	419	420	421	421	422	421						
20	410	409	408	407	406	405	405	405	406	407	409	410						
25	393	393	391	390	388	388	388	388	390	390	393	393						
30	373	373	370	371	367	367	368	367	370	370	373	373						
35	350	350	347	348	344	343	344	343	346	346	349	350						
40	324	324	321	321	318	317	317	317	320	320	323	325						
45	296	296	292	294	289	288	289	288	291	292	295	296						
50	266	266	263	262	259	258	258	258	261	261	265	267						
55	234	234	230	230	227	225	226	226	229	229	233	234						
60	200	200	197	197	193	192	192	192	195	195	199	201						
65	167	166	164	162	160	157	157	159	160	162	164	167						
70	132	131	129	127	125	122	122	124	126	127	130	132						
75	97.7	96.6	94.9	93.1	90.6	88.3	88.8	90.0	91.7	92.7	95.1	97.4						
80	65.2	64.5	62.9	61.1	58.9	57.0	57.4	58.6	59.9	60.6	62.7	64.6						
85	36.4	36.5	35.2	34.1	32.2	30.7	30.3	30.9	33.0	33.3	34.6	35.5						
90	15.9	16.0	14.9	13.8	12.7	12.4	12.5	12.4	13.8	13.8	14.7	14.3						
95	4.49	1.02	0.15	0.19	0.15	0.30	3.95	0.45	0.29	0.30	0.23	1.09						
100	1.13	0.28	0.34	0.34	0.36	0.46	1.08	0.71	0.54	0.44	0.47	0.65						
105	2.20	0.80	0.66	0.86	0.99	0.76	2.57	1.00	0.76	1.15	0.57	1.01						
110	2.01	1.14	0.44	1.21	0.73	1.40	1.63	0.85	0.62	0.97	0.62	1.68						
115	2.03	0.59	0.68	1.20	1.03	0.58	1.13	0.81	0.81	1.24	1.29	0.68						
120	0.64	0.66	1.63	2.39	1.57	1.01	0.92	1.14	2.63	2.95	1.88	0.81						
125	1.06	1.12	2.24	3.93	3.39	1.71	1.52	1.55	2.21	4.43	2.04	1.35						
130	1.27	2.15	4.13	3.13	6.62	2.63	2.00	2.23	4.50	3.69	2.99	3.66						
135	3.36	3.80	4.76	6.35	6.95	3.36	2.76	3.58	5.53	6.54	5.71	2.87						
140	3.59	3.37	4.27	6.73	6.56	4.21	3.33	3.57	4.85	6.99	5.33	3.64						
145	3.36	1.31	4.21	5.64	5.77	1.23	3.44	1.68	4.32	5.59	5.24	1.95						
150	1.35	1.47	2.00	5.78	2.16	1.66	2.26	1.68	2.48	5.65	2.37	1.34						
155	1.50	1.85	1.93	1.83	2.37	1.84	1.32	1.90	2.87	2.16	2.26	1.89						
160	1.31	4.17	1.86	2.33	1.59	3.51	1.61	3.72	2.08	2.09	1.39	3.18						
165	2.02	3.52	1.85	4.16	1.76	3.83	1.89	3.36	2.16	4.11	1.96	3.39						
170	1.94	1.79	1.68	2.68	1.90	1.71	1.67	1.71	1.79	2.40	2.00	2.00						
175	1.49	1.53	1.56	1.55	1.57	1.59	1.55	1.59	1.56	1.53	1.53	1.53						
180	1.56	1.59	1.61	1.60	1.61	1.61	1.56	1.61	1.61	1.59	1.60	1.63						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:19 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.1149]
 Remarks: