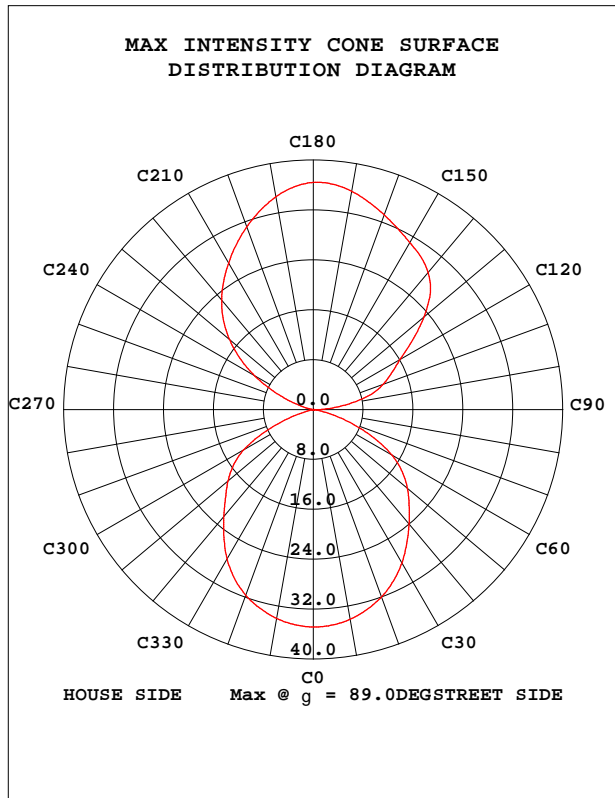
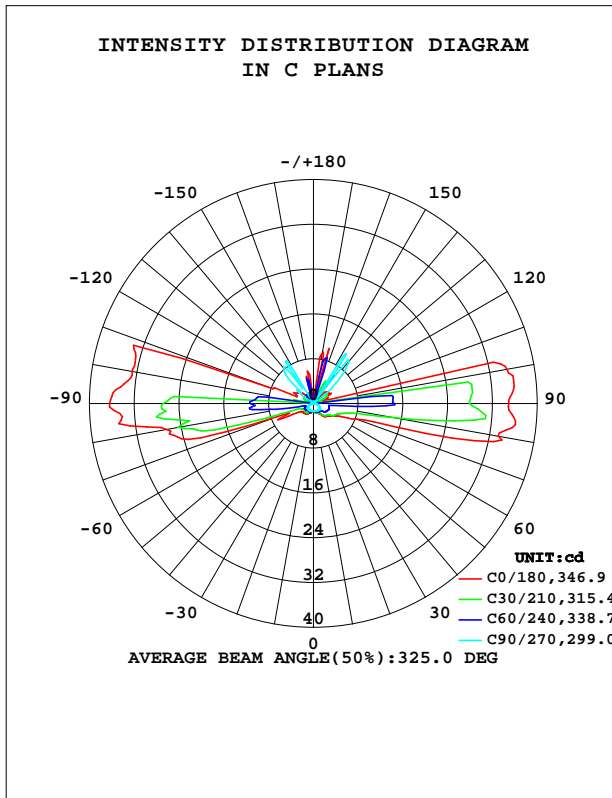


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 99110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: UHIGH	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 19.54 lm/W			
MODEL	99110	Imax(cd)	36.44	h street_up(%)	22.7
NOMINAL POWER(W)	2	LOR(%)	100.0	h street_down(%)	27.7
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	71.04	h house_up(%)	21.3
NOMINAL FLUX(lm)	71.043	MAXIMUM @(C,g )	180,89.0	h house_down(%)	28.3
LAMPS INSIDE	1	h up(%)	44.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	230	h down(%)	56.0	SLI	0.000

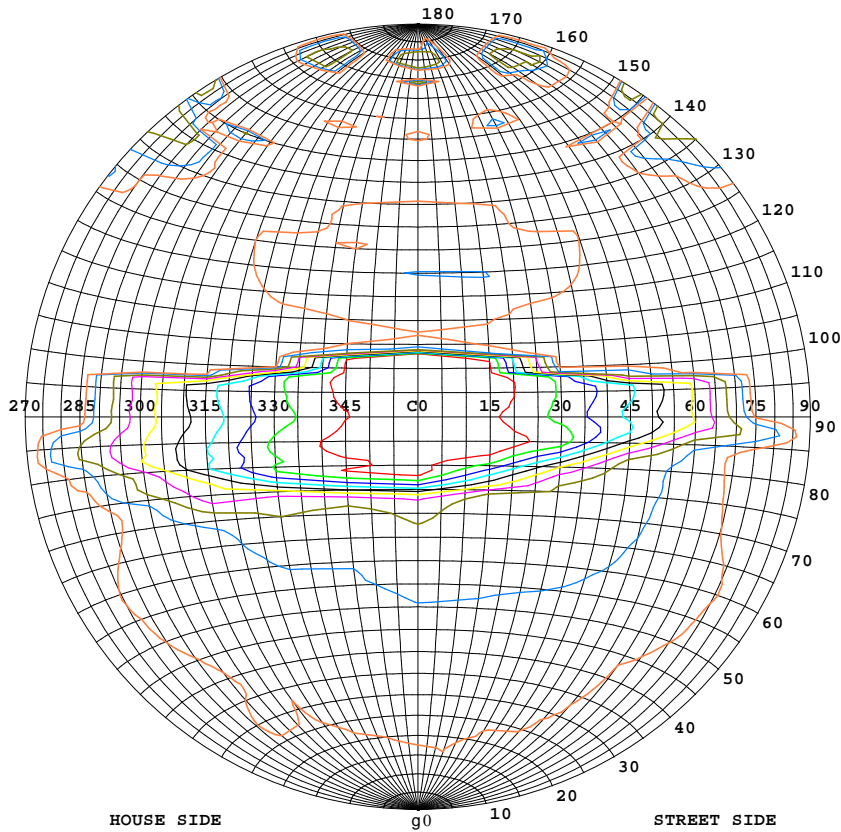


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:22 November 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.110m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

<b>NAME:</b> 99110	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b>	<b>DIM.:</b>	<b>SERIAL No.:</b>
<b>MFR.:</b> UHIGH	<b>SUR.:</b>	<b>Shielding Angle:</b>



**Classification:**

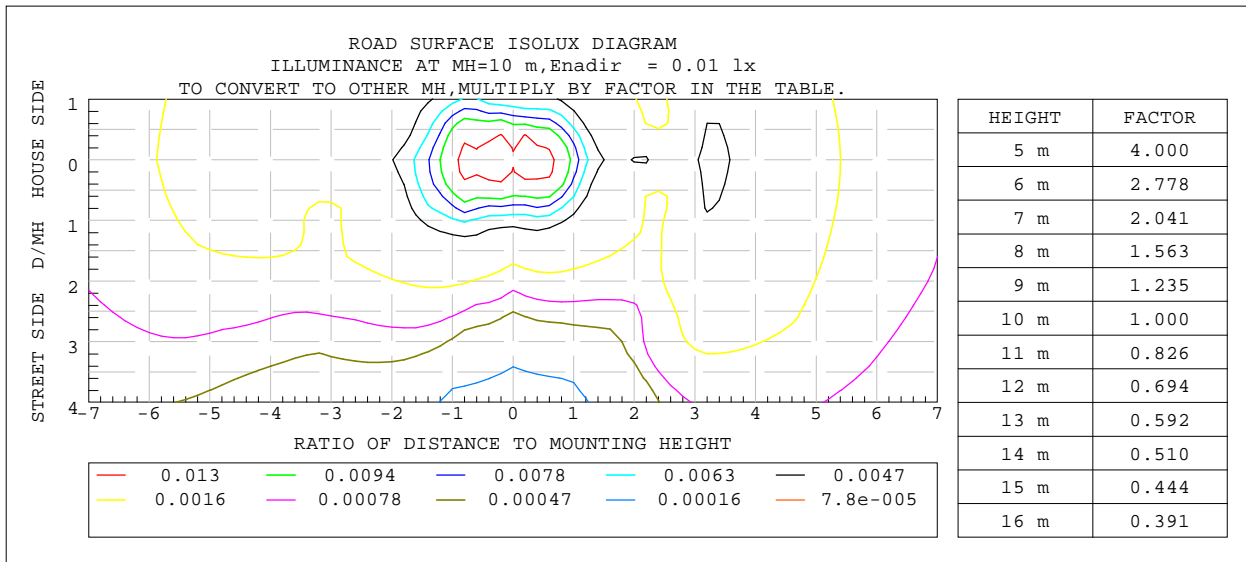
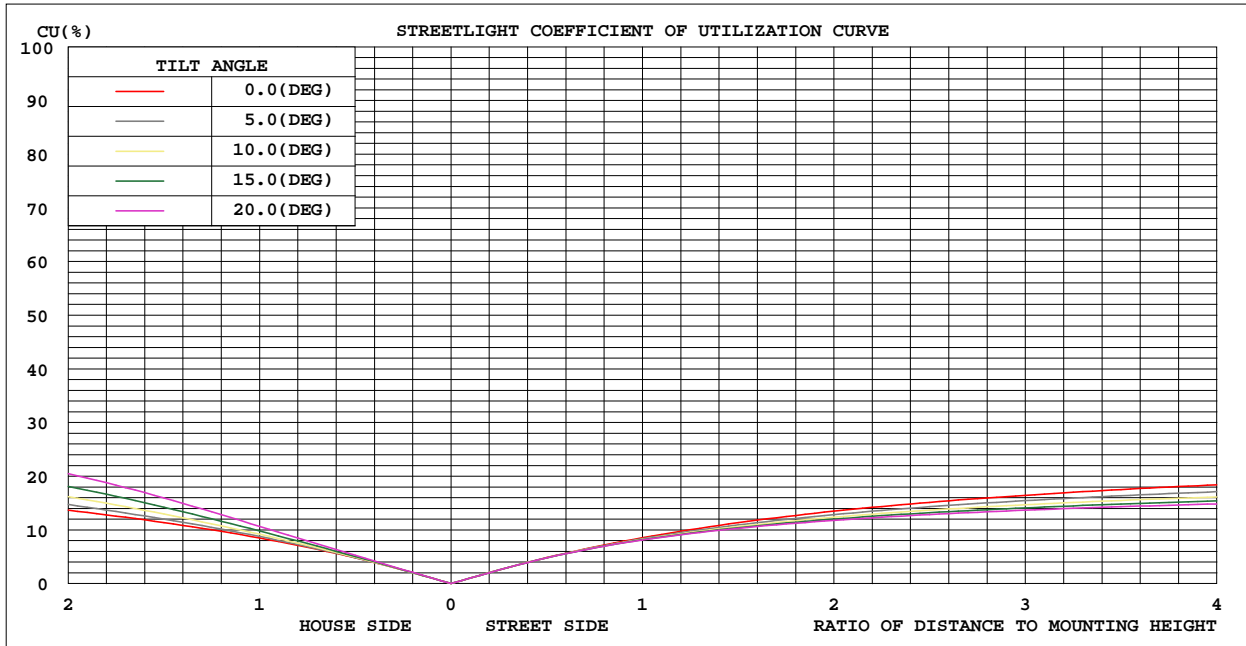
IES:Type V - [SH=57.29]  
 CIE:Narrow - Long  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:471.6cd/klm  
 Max.At90:512.4cd/klm  
 Max.80-90:512.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	36
90%	33
80%	29
70%	26
60%	22
50%	18
40%	15
30%	11
20%	7
10%	4
5%	2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:22 November 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.110m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 22 November 2018

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 7.110m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

NAME: 99110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: UHIGH	SUR.:	Shielding Angle:

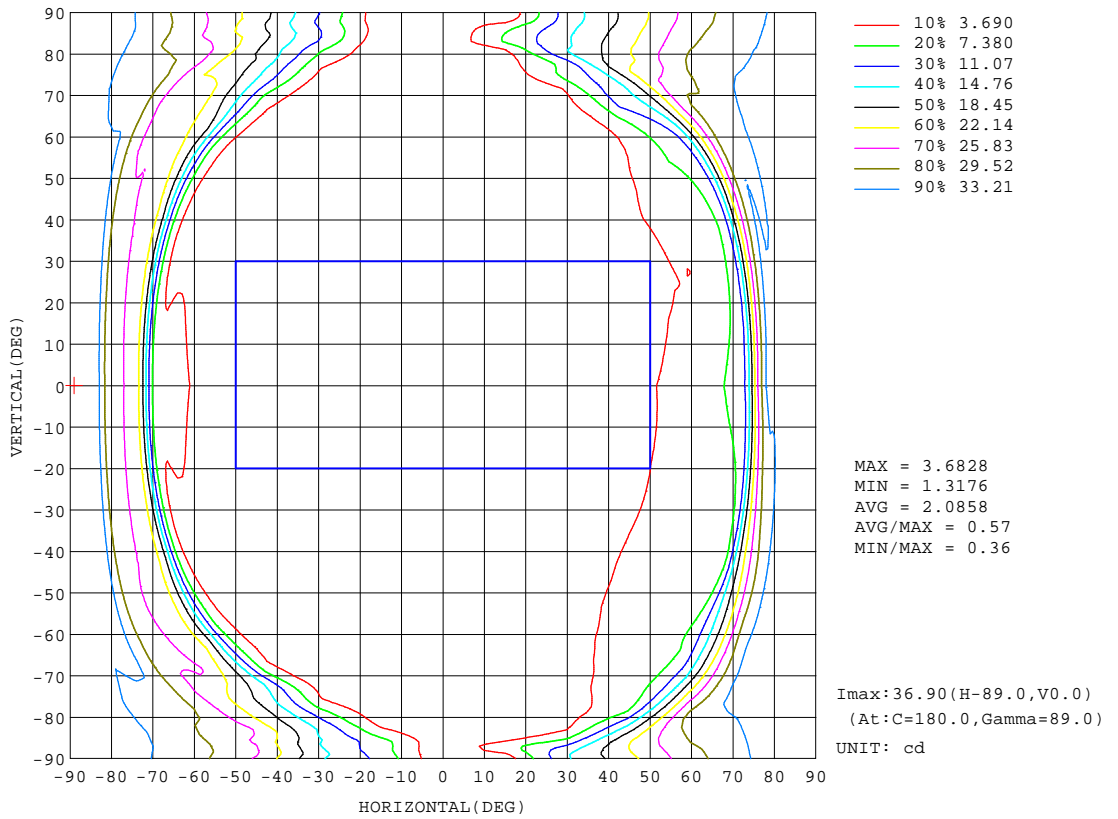
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1.614	1.497	1.354	1.457	1.542	1.420	1.350	1.531	0- 10	0.1355	0.1355	0.19,0.19
20	1.833	1.766	1.427	1.689	1.771	1.574	1.424	1.773	10- 20	0.4484	0.5839	0.82,0.82
30	2.115	1.878	1.473	1.913	2.196	1.664	1.458	1.834	20- 30	0.8117	1.396	1.96,1.96
40	3.071	2.148	1.524	2.167	2.349	1.902	1.477	2.225	30- 40	1.236	2.632	3.7,3.7
50	3.527	2.959	1.547	2.240	2.461	2.011	1.463	2.910	40- 50	1.736	4.368	6.15,6.15
60	4.567	3.550	1.227	2.162	3.236	1.976	1.131	3.231	50- 60	2.209	6.577	9.26,9.26
70	8.349	4.138	0.8987	2.658	6.978	2.300	0.7715	4.781	60- 70	2.826	9.403	13.2,13.2
80	33.51	4.821	0.5078	17.86	26.66	15.49	0.4402	21.87	70- 80	9.993	19.40	27.3,27.3
90	34.86	20.95	0.2789	25.76	36.40	20.52	0.2150	19.93	80- 90	20.38	39.77	56,56
100	35.16	0.9991	0.2078	23.59	32.94	18.25	0.1762	0.8372	90-100	18.82	58.59	82.5,82.5
110	2.048	0.2379	0.1469	0.3101	7.710	0.2867	0.1553	0.2457	100-110	6.191	64.79	91.2,91.2
120	3.760	0.9272	0.2252	1.065	3.959	0.9962	0.2504	1.143	110-120	1.361	66.15	93.1,93.1
130	3.334	1.282	4.035	1.206	2.848	1.395	3.531	1.471	120-130	1.559	67.71	95.3,95.3
140	0.2825	0.1876	9.812	0.1282	0.2365	0.2176	8.232	0.2175	130-140	1.481	69.19	97.4,97.4
150	2.054	0.1435	0.2075	0.1569	1.254	0.1392	0.3952	0.1211	140-150	0.8484	70.04	98.6,98.6
160	0.1565	0.1785	0.1783	0.1532	0.1531	0.1539	0.0987	0.1710	150-160	0.3385	70.37	99.1,99.1
170	9.039	0.1371	0.1129	0.1093	5.742	0.1224	0.0916	0.1462	160-170	0.5738	70.95	99.9,99.9
180	0.1009	0.0944	0.0881	0.0891	0.1009	0.0979	0.0881	0.0926	170-180	0.0953	71.04	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:22 November 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.110m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

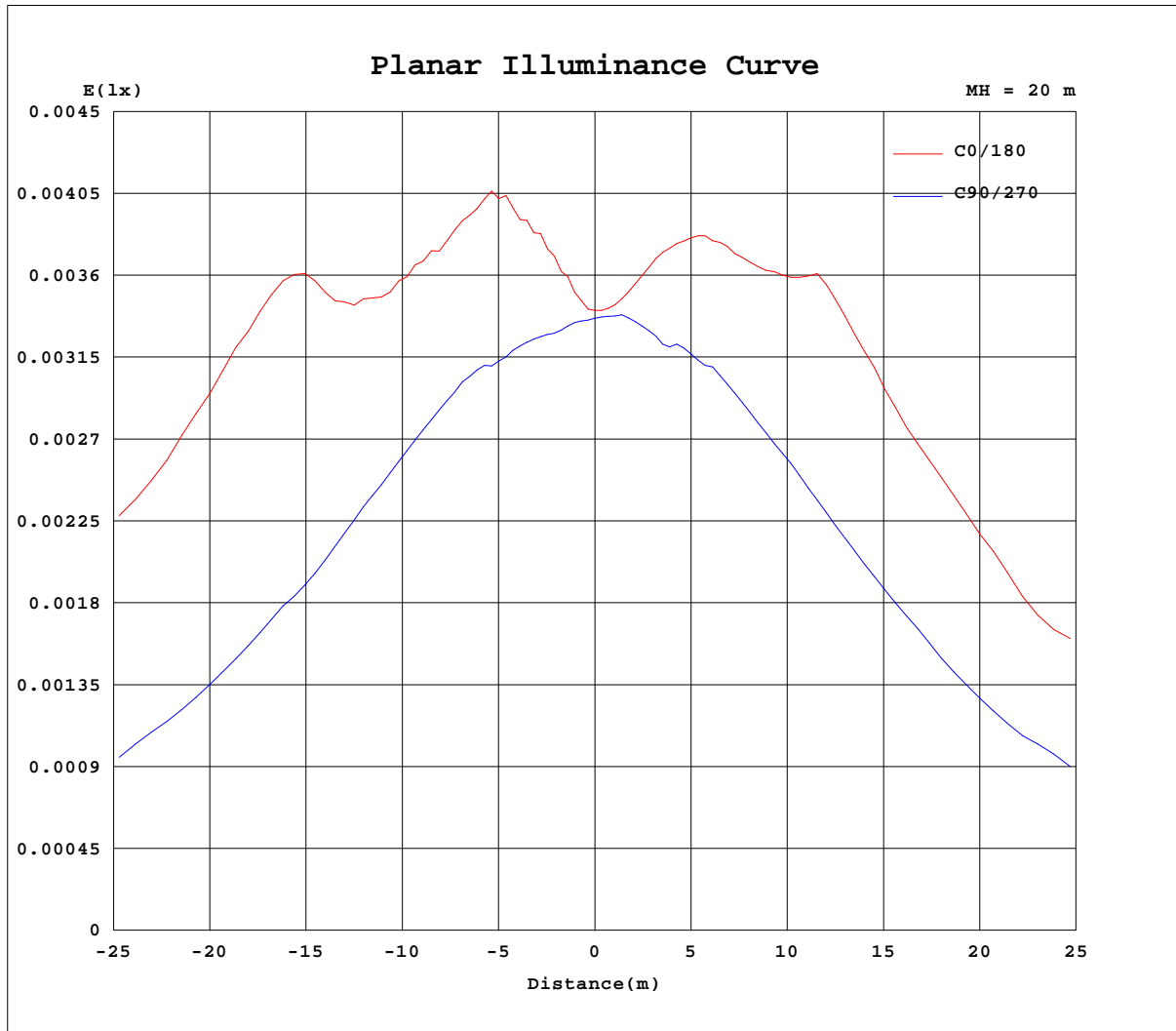
<b>NAME:</b> 99110	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b>	<b>DIM.:</b>	<b>SERIAL No.:</b>
<b>MFR.:</b> UHIGH	<b>SUR.:</b>	<b>Shielding Angle:</b>



**C Range:** 0 - 360DEG  
**C Interval:** 15.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:**  
**Test Date:** 22 November 2018

**g Range:** 0 - 180DEG  
**g Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
**Humidity:** 65.0%  
**Test Distance:** 7.110m [K=1.0000]  
**Remarks:**

Planar Illuminance Curve



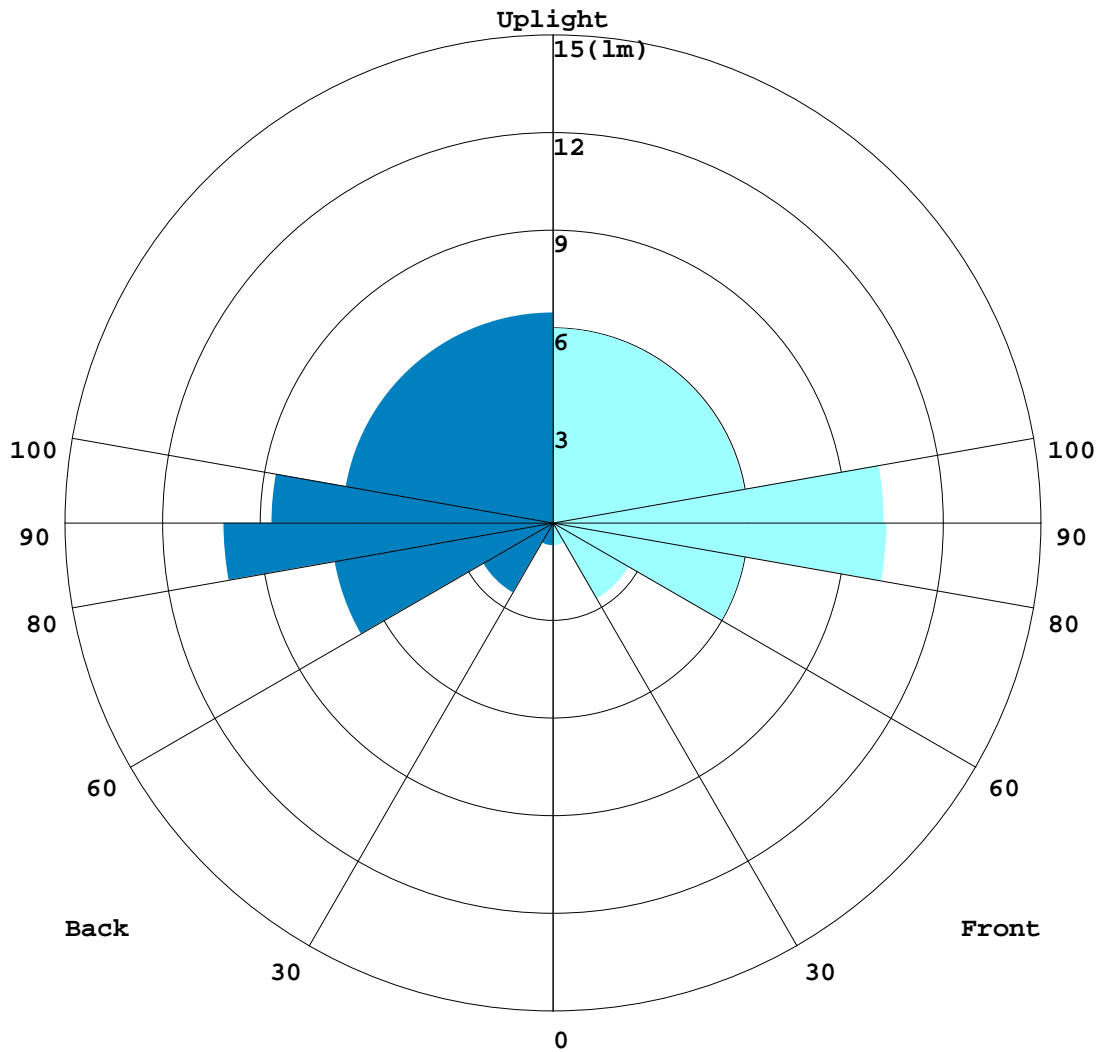
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 22 November 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.110m [K=1.0000]  
 Remarks:

**LCS REPORT**

NAME: 99110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: UHIGH	SUR.:	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 22 November 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.110m [K=1.0000]  
 Remarks:

BUG REPORT

NAME: 99110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: UHIGH	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	0.70047	1.0
FM - Front-Medium(30-60)	2.7024	3.8
FH - Front-High(60-80)	5.9986	8.4
FVH - Front-Very High(80-90)	10.254	14.4
Total Forward Light	35.817	50.4

BL - Back-Low(0-30)	0.69517	1.0
BM - Back-Medium(30-60)	2.4787	3.5
BH - Back-High(60-80)	6.8201	9.6
BVH - Back-Very High(80-90)	10.122	14.2
Total Back Light	35.226	49.6

UL - Uplight-Low(90-100)	18.822	26.5
UH - Uplight-High(100-180)	12.449	17.5
Total Up Light	31.271	44.0

BUG(Back,Up,Glare) Rating	B0-U2-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	20.116	15.109	35.226
Street Side	19.656	16.162	35.817

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:22 November 2018

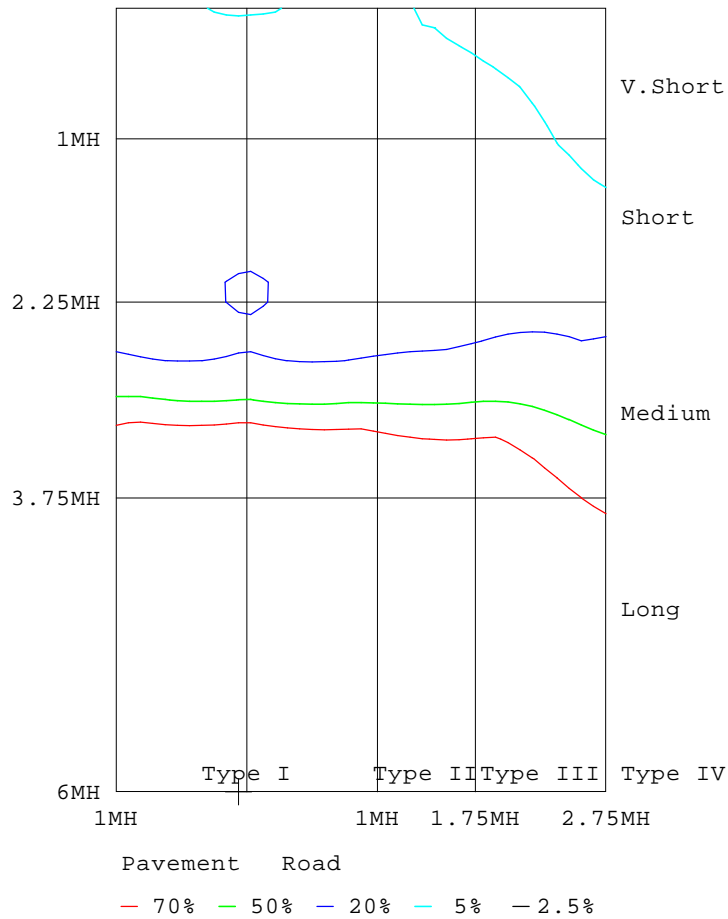
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.110m [K=1.0000]  
 Remarks:



**ROAD ISOCANDELA REPORT**

NAME: 99110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: UHIGH	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 22 November 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.110m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 99110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: UHIGH	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
5	1.45	1.47	1.42	1.42	1.37	1.37	1.34	1.35	1.34	1.39	1.35	1.40	1.40	1.36	1.39	1.35	1.38	1.37	1.36
10	1.61	1.61	1.55	1.50	1.42	1.38	1.35	1.36	1.37	1.46	1.48	1.54	1.54	1.50	1.51	1.42	1.42	1.37	1.35
15	1.78	1.77	1.69	1.61	1.53	1.47	1.38	1.47	1.48	1.57	1.58	1.67	1.67	1.61	1.60	1.51	1.46	1.37	1.39
20	1.83	1.83	1.78	1.77	1.64	1.54	1.43	1.52	1.59	1.69	1.69	1.78	1.77	1.73	1.67	1.57	1.54	1.48	1.42
25	1.94	1.93	1.84	1.82	1.70	1.56	1.45	1.54	1.65	1.79	1.83	1.92	1.92	1.82	1.75	1.63	1.64	2.12	1.44
30	2.11	2.09	1.99	1.88	1.76	1.61	1.47	1.55	1.67	1.91	2.08	2.22	2.20	2.03	1.86	1.66	1.56	1.50	1.46
35	2.52	2.44	2.23	1.97	1.78	1.63	1.48	1.56	1.71	2.09	2.31	2.32	2.29	2.18	2.04	1.75	1.58	1.48	1.47
40	3.07	3.03	2.73	2.15	1.81	1.64	1.52	1.59	1.87	2.17	2.35	2.36	2.35	2.23	2.08	1.90	1.62	1.45	1.48
45	3.30	3.28	3.09	2.61	1.90	1.63	1.53	1.64	2.02	2.16	2.34	2.38	2.44	2.28	2.11	1.95	1.75	1.42	1.45
50	3.53	3.46	3.25	2.96	2.22	1.66	1.55	1.83	2.03	2.24	2.29	2.24	2.46	2.23	2.09	2.01	1.81	1.42	1.46
55	3.91	3.89	3.67	3.17	2.60	1.75	1.39	1.87	2.00	2.24	2.19	2.20	2.59	2.17	2.01	2.02	1.82	1.58	1.30
60	4.57	4.27	4.30	3.55	2.76	1.87	1.23	1.79	2.05	2.16	2.31	2.26	3.24	2.22	2.12	1.98	1.86	1.51	1.13
65	5.61	4.27	4.61	3.83	2.90	1.75	1.03	1.55	1.93	2.35	2.65	2.38	7.02	2.36	2.37	2.02	1.76	1.39	0.95
70	8.35	4.54	5.34	4.14	2.92	1.34	0.90	1.22	1.79	2.66	3.62	4.78	6.98	4.52	3.16	2.30	1.53	1.17	0.77
75	20.7	10.8	6.80	4.43	2.93	1.07	0.67	0.96	2.42	8.18	19.7	23.4	24.4	22.9	18.2	6.22	1.80	0.88	0.60
80	33.5	27.6	14.7	4.82	2.83	0.98	0.51	1.36	8.31	17.9	25.6	26.5	26.7	25.2	24.6	15.5	5.51	0.84	0.44
85	36.2	34.5	30.8	16.8	5.17	2.09	0.38	7.35	14.6	25.8	29.7	33.3	34.5	31.6	28.1	19.6	11.5	1.47	0.30
90	34.9	33.0	27.9	21.0	14.4	1.55	0.28	10.3	15.4	25.8	30.7	34.4	36.4	33.0	26.9	20.5	11.3	1.27	0.21
95	36.0	34.4	28.5	22.4	14.3	0.69	0.14	1.86	14.5	23.5	28.7	33.1	34.6	31.0	1.77	18.5	10.3	1.14	0.19
100	35.2	32.8	1.59	1.00	0.22	0.20	0.21	0.53	0.22	23.6	27.2	31.6	32.9	29.7	3.27	18.2	0.38	0.41	0.18
105	2.79	1.57	0.28	0.21	0.21	0.37	0.13	0.46	0.19	1.67	0.42	32.9	32.9	30.6	0.49	0.50	0.18	0.29	0.16
110	2.05	1.94	0.58	0.24	0.23	0.17	0.15	0.16	0.42	0.31	0.94	6.33	7.71	6.84	1.04	0.29	0.30	0.17	0.16
115	2.51	2.54	2.11	0.49	0.24	0.20	0.17	0.22	0.29	0.68	1.80	3.32	3.34	3.09	1.79	0.66	0.30	0.20	0.21
120	3.76	3.62	2.85	0.93	0.40	0.25	0.23	0.29	0.57	1.07	2.08	3.45	3.96	3.37	2.01	1.00	0.64	0.29	0.25
125	3.35	3.32	2.87	1.22	0.63	0.66	0.76	1.29	0.91	1.31	1.87	2.99	3.31	3.04	2.05	1.20	1.01	1.31	0.90
130	3.33	3.15	0.67	1.28	0.86	1.39	4.04	2.06	1.19	1.21	0.70	2.66	2.85	2.69	0.62	1.39	1.22	1.76	3.53
135	2.76	1.53	0.25	0.47	1.12	3.20	7.31	2.90	1.42	0.51	0.23	1.31	2.52	1.34	0.23	1.59	1.55	2.34	6.43
140	0.28	0.28	0.22	0.19	0.43	1.92	9.81	3.61	0.52	0.13	0.17	0.23	0.24	0.25	0.18	0.22	1.97	5.51	8.23
145	0.29	0.31	0.41	0.11	0.83	2.19	6.32	4.12	0.93	0.11	0.22	0.14	0.17	0.17	0.16	0.12	0.93	4.31	4.98
150	2.05	0.84	1.21	0.14	0.14	0.17	0.21	0.18	0.13	0.16	1.33	0.17	1.25	0.17	0.32	0.14	0.13	0.20	0.40
155	0.64	0.23	2.33	0.17	1.07	0.32	0.15	1.85	2.59	0.17	2.10	0.22	1.24	0.25	1.47	0.16	0.13	0.11	0.09
160	0.16	0.19	0.22	0.18	2.11	5.44	0.18	5.46	4.49	0.15	0.17	0.14	0.15	0.16	0.14	0.15	0.17	0.16	0.10
165	0.83	0.16	0.17	0.16	8.36	7.27	0.42	5.41	5.96	0.14	0.15	0.14	5.05	0.16	0.15	0.14	4.29	4.09	0.43
170	9.04	8.89	0.34	0.14	0.19	0.17	0.11	0.18	0.18	0.11	0.18	5.56	5.74	5.52	0.17	0.12	0.26	0.34	0.09
175	0.13	2.89	0.13	0.13	0.12	0.09	0.10	0.09	0.09	0.09	0.10	2.03	0.13	0.12	0.12	0.10	0.09	0.10	0.09
180	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.09

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 22 November 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.110m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 99110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: UHIGH	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	1.35	1.35	1.35	1.35	1.35														
5	1.39	1.42	1.42	1.45	1.44														
10	1.41	1.49	1.53	1.59	1.59														
15	1.45	1.57	1.65	1.71	1.76														
20	1.53	1.67	1.77	1.79	1.83														
25	1.57	1.81	1.81	1.85	1.92														
30	1.65	1.91	1.83	1.95	2.05														
35	1.67	1.83	1.89	2.16	2.42														
40	1.64	1.80	2.23	2.73	2.95														
45	1.60	1.93	2.73	3.04	3.18														
50	1.61	2.35	2.91	3.25	3.34														
55	1.74	2.59	3.06	3.38	3.51														
60	1.87	2.68	3.23	3.73	3.69														
65	1.64	2.67	3.44	4.10	3.76														
70	1.25	2.57	4.78	7.33	5.46														
75	1.04	5.51	13.4	13.5	18.2														
80	2.39	10.6	21.9	29.4	32.2														
85	7.61	14.4	21.4	29.7	34.4														
90	0.74	13.0	19.9	27.5	32.7														
95	0.61	12.7	20.8	28.3	33.8														
100	0.37	0.39	0.84	1.67	33.6														
105	0.29	0.21	0.20	0.28	1.82														
110	0.17	0.50	0.25	0.76	1.86														
115	0.19	0.27	0.58	2.31	2.47														
120	0.26	0.47	1.14	2.74	3.02														
125	0.51	0.68	1.42	2.64	1.79														
130	1.03	0.88	1.47	0.54	3.05														
135	4.49	1.27	1.03	0.26	1.66														
140	8.02	0.84	0.22	0.24	0.28														
145	0.84	7.84	0.12	0.48	0.29														
150	0.14	0.13	0.12	1.01	0.91														
155	0.11	0.12	0.17	1.27	1.92														
160	0.24	0.16	0.17	0.30	0.19														
165	7.42	8.31	0.17	0.17	0.17														
170	0.47	0.39	0.15	0.17	8.86														
175	0.10	0.11	0.13	0.12	0.13														
180	0.09	0.09	0.09	0.09	0.09														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 22 November 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 7.110m [K=1.0000]  
 Remarks: