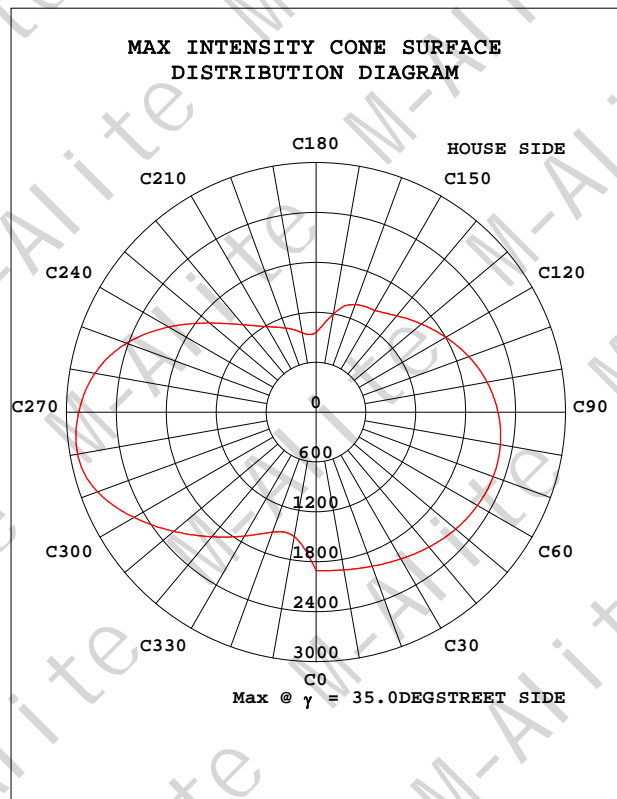
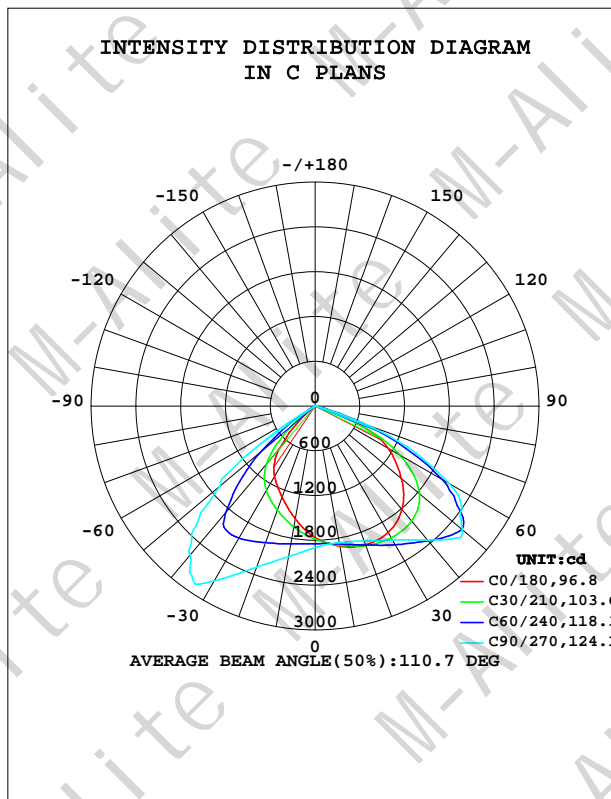


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.15 lm/W			
MODEL	/	I _{max} (cd)	2882	η _{street_up} (%)	0.0
NOMINAL POWER(W)		LOR(%)	100.0	η _{street_down} (%)	64.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5536	η _{house_up} (%)	0.0
NOMINAL FLUX(lm)	5535.87	MAXIMUM @ (C, γ)	285,35.0	η _{house_down} (%)	35.9
LAMPS INSIDE	1	η _{up} (%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η _{down} (%)	100.0	SLI	17.299

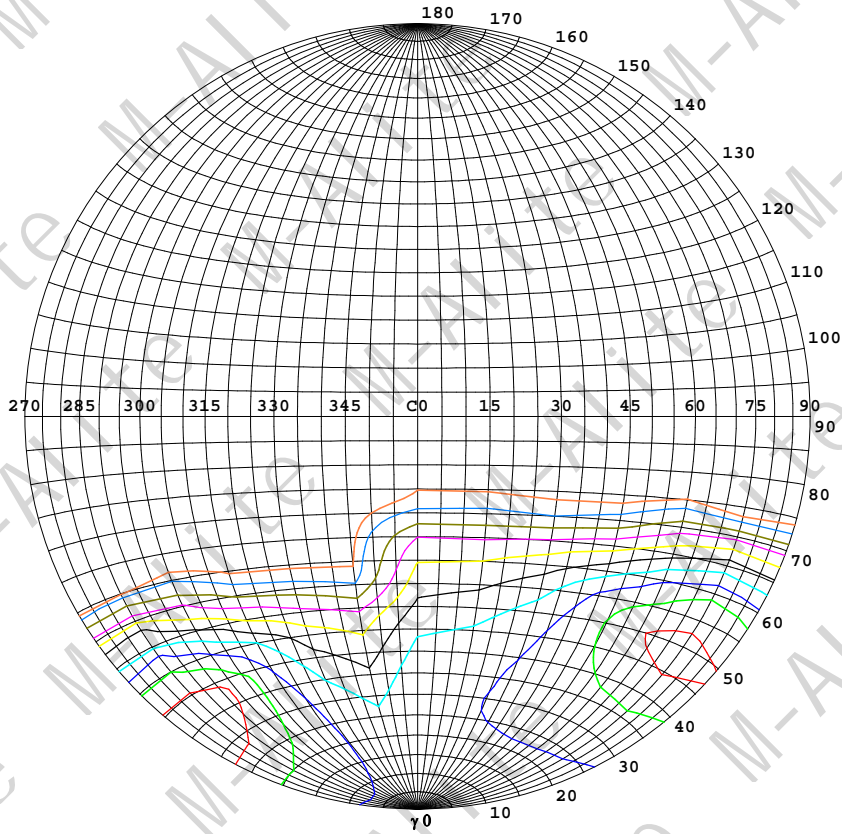


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: MR mark
 Test Date: 2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 8.880m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/



Classification:

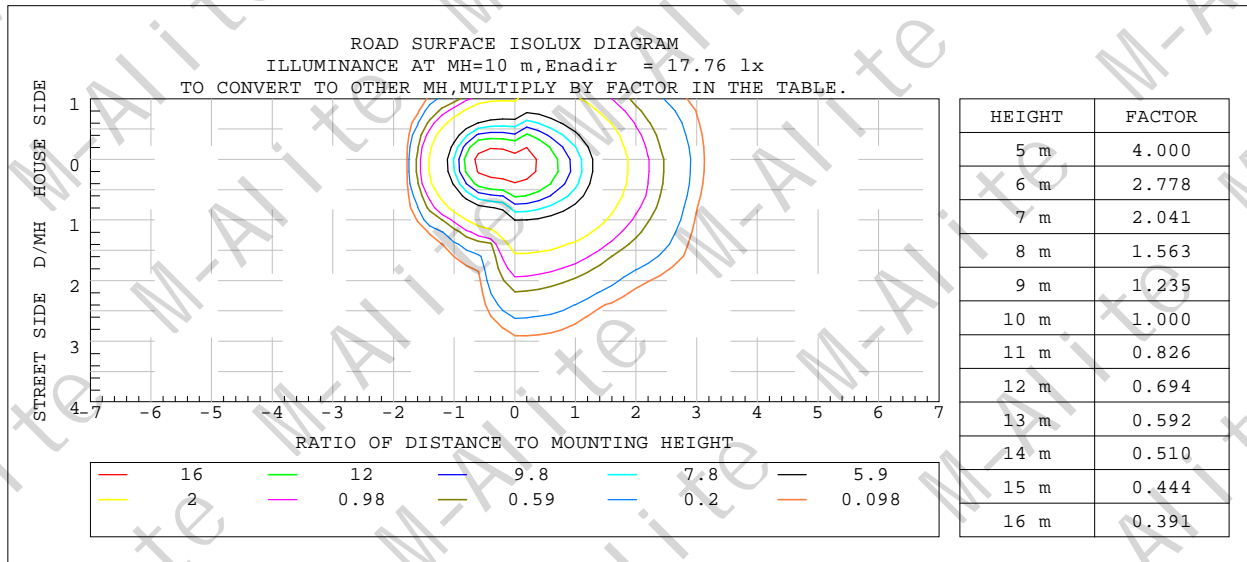
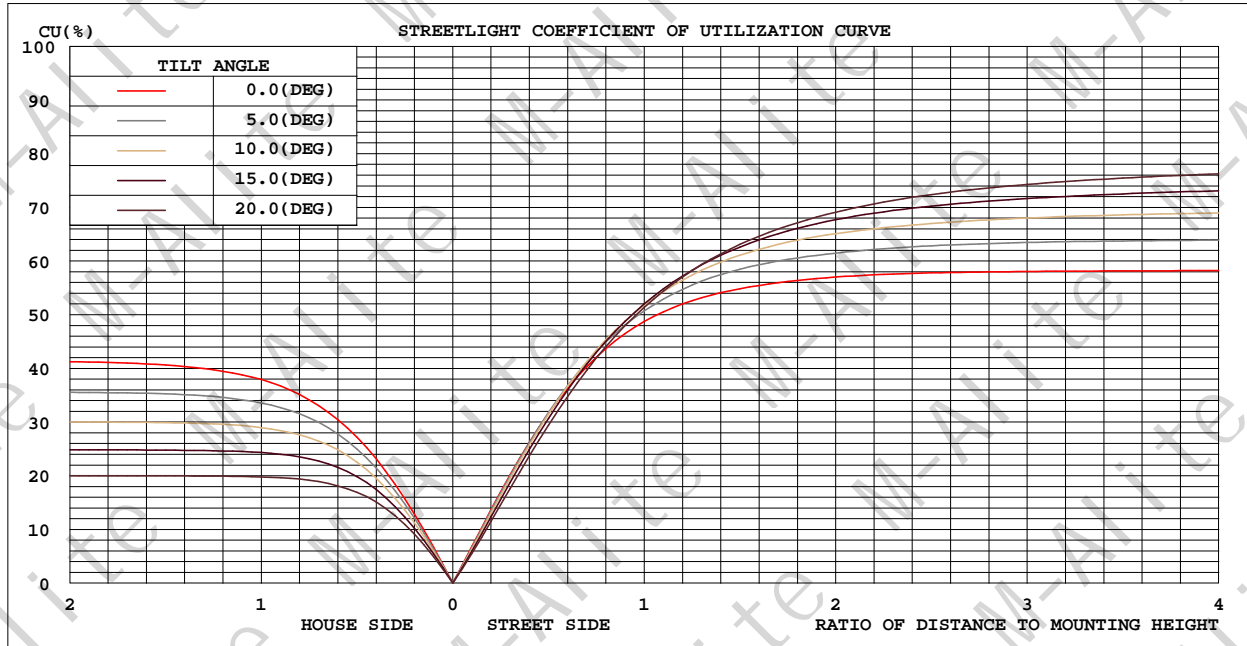
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:15.71cd/klm
 Max.At90:2.569cd/klm
 Max.80-90:15.71cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2882
90%	2594
80%	2306
70%	2018
60%	1729
50%	1441
40%	1153
30%	865
20%	576
10%	288
5%	144

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:MR mark
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:8.880m [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: MR mark
Test Date: 2022-03-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 8.880m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87xl lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/

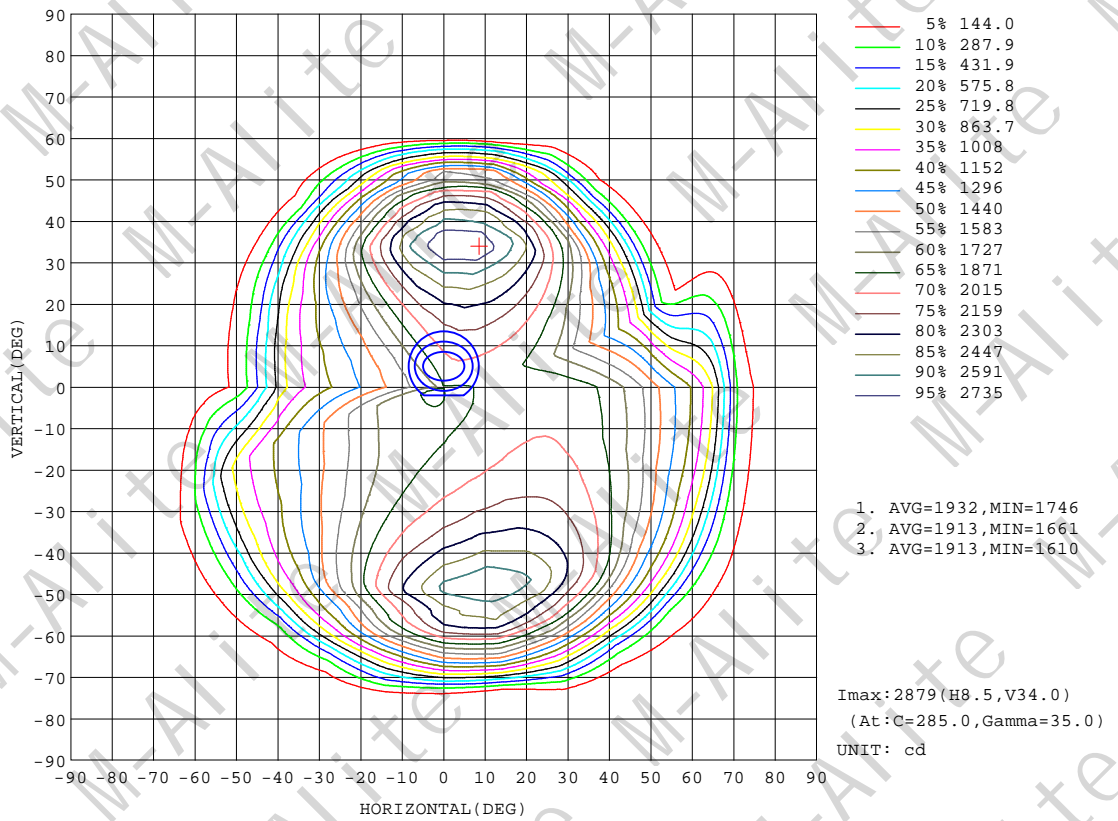
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	\$lum,lamp
10	1907	1885	1858	1833	1534	1753	2047	2017	0- 10	177.9	177.9	3.21,3.21
20	1978	1991	1922	1752	1300	1697	2296	2101	10- 20	532.6	710.5	12.8,12.8
30	1956	2106	2075	1644	1089	1601	2704	2128	20- 30	880.5	1591	28.7,28.7
40	1809	2195	2344	1509	761.2	1351	2604	1979	30- 40	1187	2778	50.2,50.2
50	1508	2189	2575	1287	180.3	614.2	1659	1124	40- 50	1265	4043	73,73
60	1133	1602	2071	819.8	25.51	64.92	36.34	127.1	50- 60	958.4	5001	90.3,90.3
70	358.2	385.0	737.1	127.8	0.9297	6.347	6.382	16.59	60- 70	451.1	5452	98.5,98.5
80	86.95	34.68	11.25	19.72	1.180	1.995	2.116	5.273	70- 80	72.82	5525	99.8,99.8
90	13.20	9.926	6.648	2.264	3.089	3.434	3.709	3.319	80- 90	10.55	5536	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:MR mark
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:8.880m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

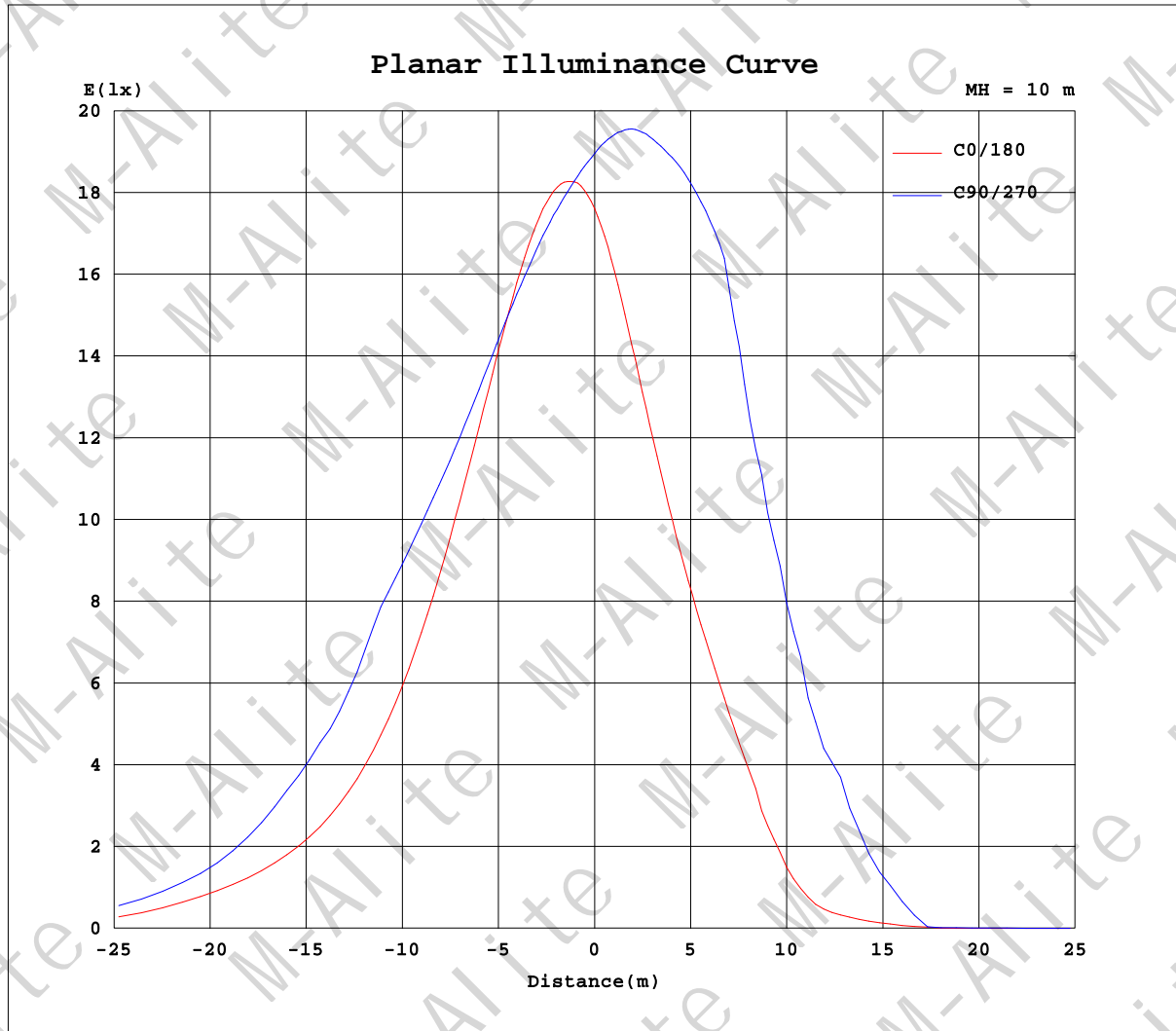
Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87xl lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle: /



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:MR mark
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:8.880m [K=1.0000]
 Remarks:

Planar Illuminance Curve



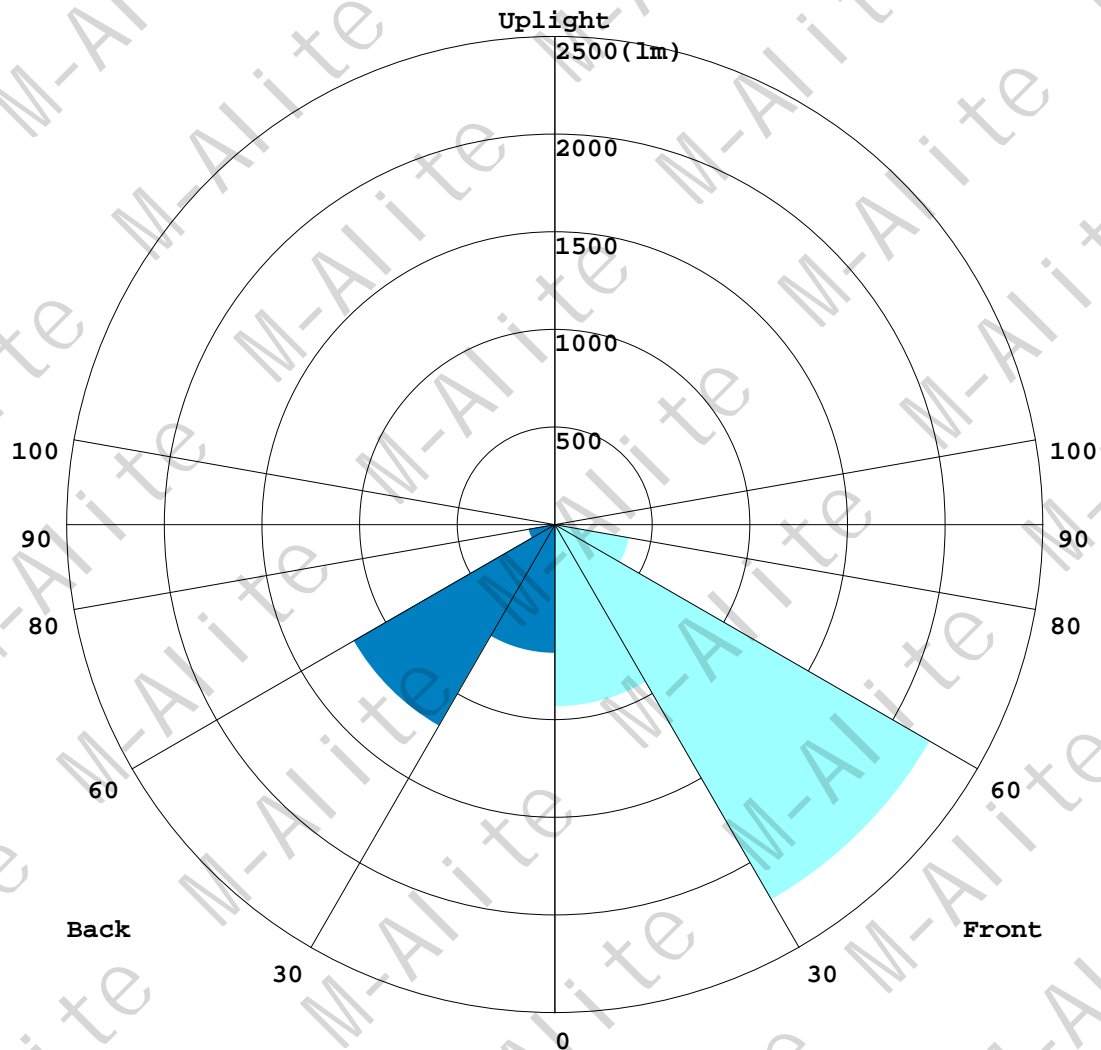
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: MR mark
 Test Date: 2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 8.880m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle: /

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: MR mark
 Test Date: 2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 8.880m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87xl lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	932.27	16.8
FM - Front-Medium(30-60)	2219.6	40.1
FH - Front-High(60-80)	387.04	7.0
FVH - Front-Very High(80-90)	8.614	0.2
Total Forward Light	3547.6	64.1

BL - Back-Low(0-30)	658.7	11.9
BM - Back-Medium(30-60)	1190.8	21.5
BH - Back-High(60-80)	136.87	2.5
BVH - Back-Very High(80-90)	1.9361	0.0
Total Back Light	1988.3	35.9

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G1
----------------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1988.3	0	1988.3
Street Side	3547.6	0	3547.6

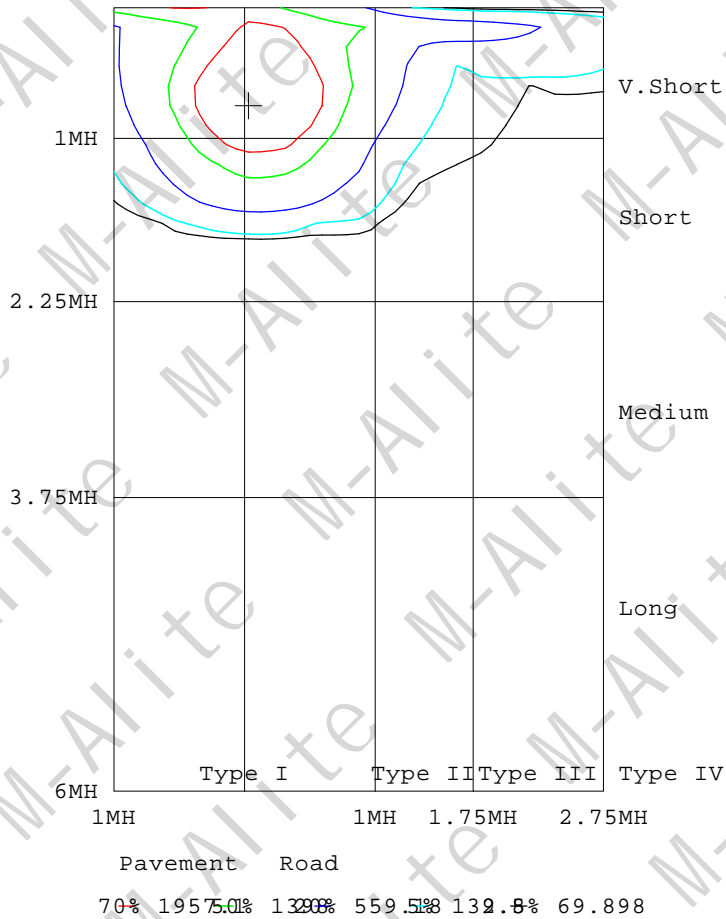
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:MR mark
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:8.880m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87x1 lm		
NAME:	TYPE:	WEIGHT:/
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: MR mark
 Test Date: 2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 8.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87xl lm		
NAME:	TYPE:	WEIGHT:/
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1761	1767	1782	1813	1845	1872	1896	1912	1920	1919	1920	1919	1761	1767	1782	1813	1845	1872	1896
5	1845	1841	1839	1843	1848	1856	1863	1869	1875	1877	1879	1880	1656	1677	1720	1783	1854	1912	1959
10	1907	1902	1894	1885	1876	1868	1858	1850	1841	1833	1828	1823	1534	1570	1646	1753	1874	1977	2047
15	1954	1948	1943	1935	1921	1906	1881	1854	1826	1797	1773	1755	1413	1462	1566	1726	1908	2059	2157
20	1978	1982	1986	1991	1981	1962	1922	1873	1814	1752	1702	1664	1300	1360	1484	1697	1947	2167	2296
25	1979	1994	2020	2048	2057	2042	1989	1908	1804	1699	1613	1555	1193	1259	1403	1658	1996	2306	2484
30	1956	1983	2039	2106	2145	2139	2075	1958	1803	1644	1516	1436	1089	1156	1309	1601	2043	2457	2704
35	1904	1946	2038	2154	2242	2264	2188	2025	1803	1583	1414	1322	959	1029	1189	1507	2050	2581	2853
40	1809	1871	2012	2195	2355	2431	2344	2111	1797	1509	1308	1211	761	843	1014	1351	1872	2292	2604
45	1679	1756	1946	2213	2477	2619	2523	2201	1779	1413	1196	1105	423	532	755	1060	1431	1935	2252
50	1508	1595	1824	2189	2573	2714	2575	2251	1713	1287	1069	983	180	237	392	614	944	1317	1659
55	1321	1389	1614	2063	2326	2529	2410	1962	1479	1109	892	807	95.5	120	137	169	464	760	972
60	1133	1154	1308	1602	1974	2209	2071	1675	1153	820	583	508	25.5	61.4	71.7	64.9	103	113	36.3
65	854	829	887	1040	1341	1596	1486	1105	699	349	270	219	1.20	12.7	29.1	21.1	14.2	11.4	11.4
70	358	366	289	385	730	771	737	553	214	128	117	114	0.93	0.90	5.03	6.35	5.84	6.02	6.38
75	141	136	111	85.4	149	22.4	46.0	83.5	50.8	59.1	67.9	54.2	0.89	0.61	0.97	2.85	4.32	5.33	5.47
80	87.0	81.5	62.2	34.7	33.6	10.3	11.2	12.7	13.3	19.7	23.1	8.18	1.18	0.99	0.98	2.00	2.42	2.05	2.12
85	42.9	40.5	33.4	18.0	12.4	8.68	8.68	7.63	5.94	5.41	2.03	0.72	2.00	1.77	1.83	2.02	2.23	2.29	2.17
90	13.2	14.2	13.5	9.93	8.36	6.66	6.65	6.44	5.02	2.26	0.45	0.34	3.09	2.89	3.10	3.43	3.77	3.90	3.71

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: MR mark
 Test Date: 2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 8.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:223.33V I:0.2486A P:50.716W PF:0.9135 Freq:49.99Hz Lamp Flux:5535.87xl lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345															
0	1912	1920	1919	1920	1919															
5	1981	1983	1967	1951	1939															
10	2071	2058	2017	1971	1937															
15	2180	2145	2065	1977	1913															
20	2310	2235	2101	1966	1865															
25	2474	2331	2126	1924	1781															
30	2675	2435	2128	1849	1657															
35	2882	2530	2088	1720	1492															
40	2622	2443	1979	1530	1306															
45	2301	2026	1735	1273	1112															
50	1676	1469	1124	932	794															
55	1093	882	539	436	309															
60	117	273	127	126	131															
65	11.6	25.4	39.9	71.3	80.5															
70	5.78	9.10	16.6	30.6	37.1															
75	5.13	6.41	8.90	12.1	8.16															
80	3.00	4.24	5.27	3.66	1.37															
85	2.47	3.04	2.56	2.19	1.16															
90	3.93	4.19	3.32	2.24	1.48															

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:MR mark
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:8.880m [K=1.0000]
 Remarks: