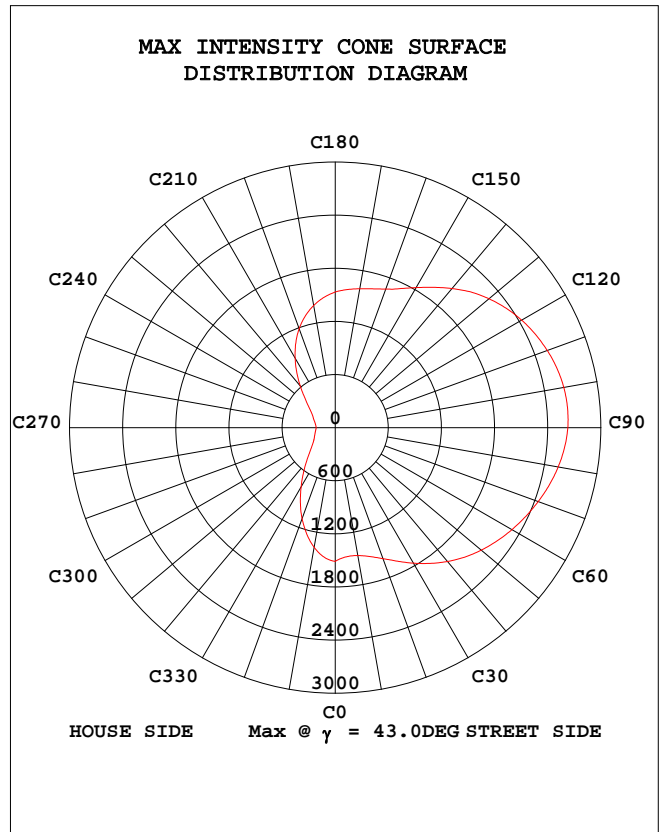
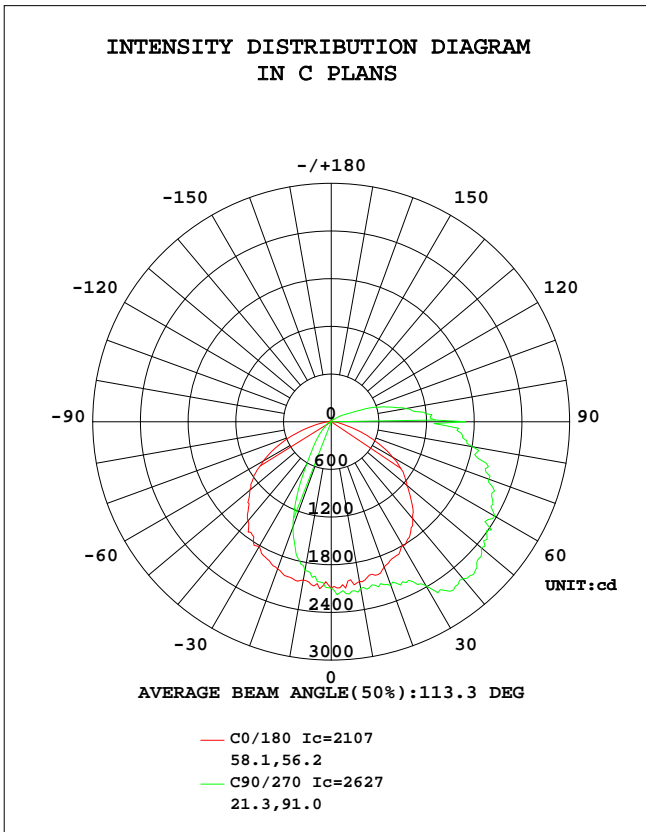


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.13V I:0.4151A P:49.405W PF:0.9908 Freq:59.98Hz Lamp Flux:6962.6x1 lm		
NAME: PLTS-12363 50W 5K G4 WP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

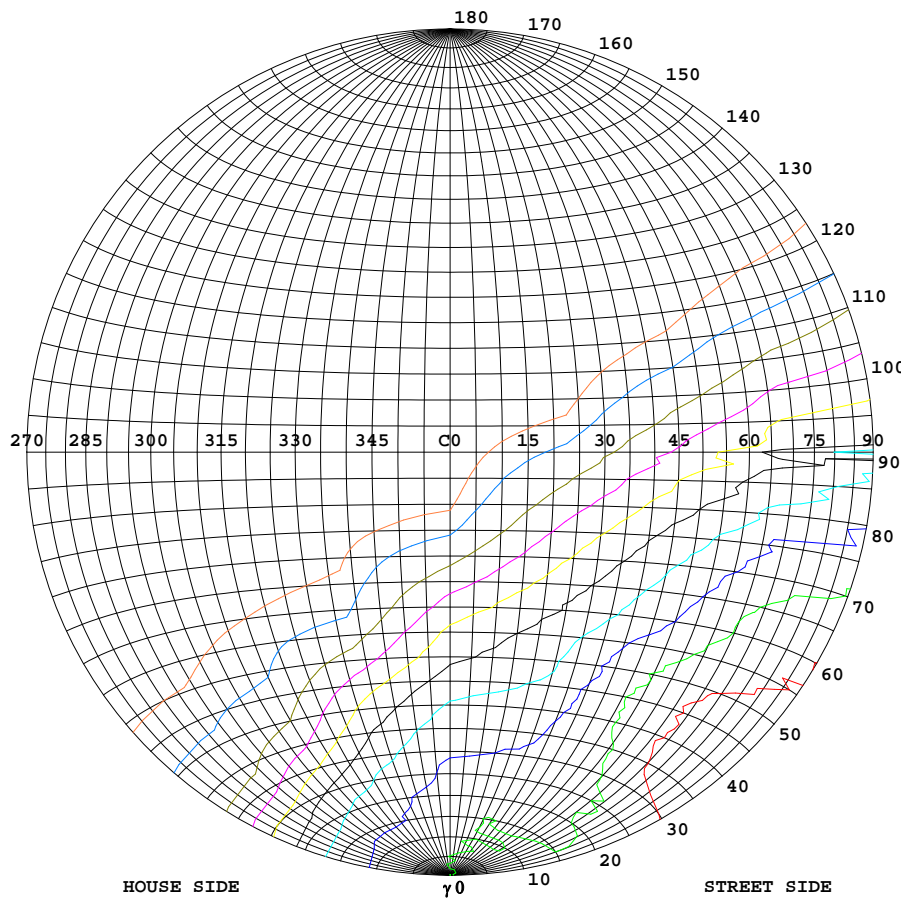
DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.93 lm/W			
MODEL		I _{max} (cd)	2627	η street_up(%)	8.8
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	70.3
RATED VOLTAGE(V)		TOTAL FLUX(lm)	6963	η house_up(%)	0.5
NOMINAL FLUX(lm)	6962.6	MAXIMUM @(C,γ)	90,43.0	η house_down(%)	20.5
LAMPS INSIDE	1	η up(%)	9.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	90.8	SLI	19.684



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

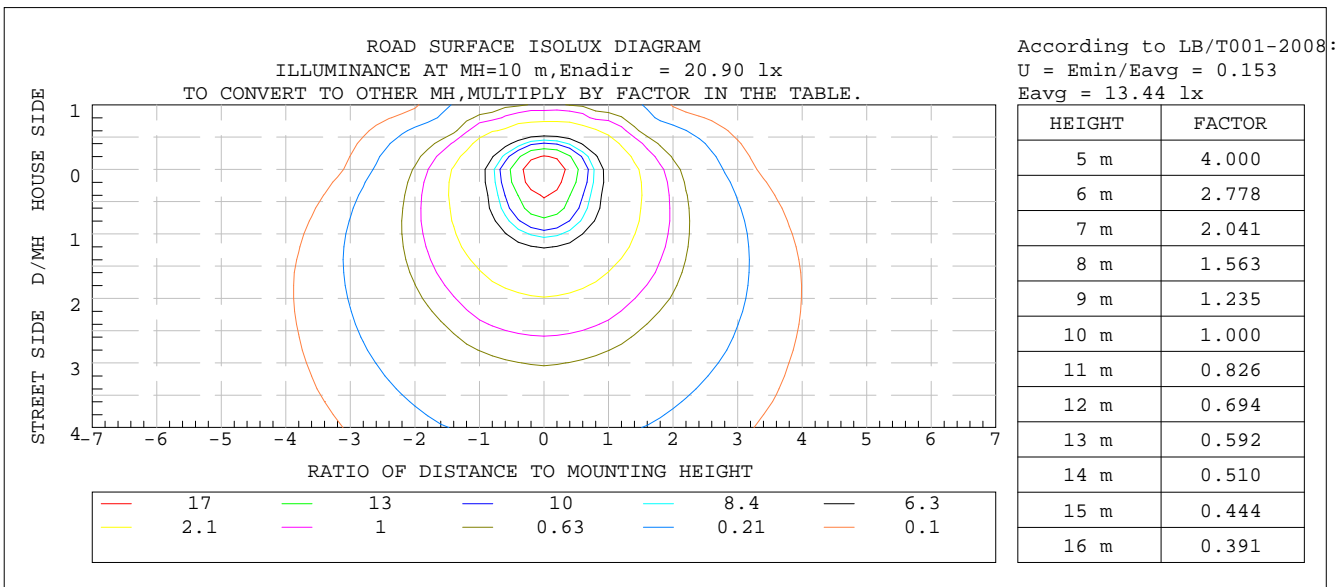
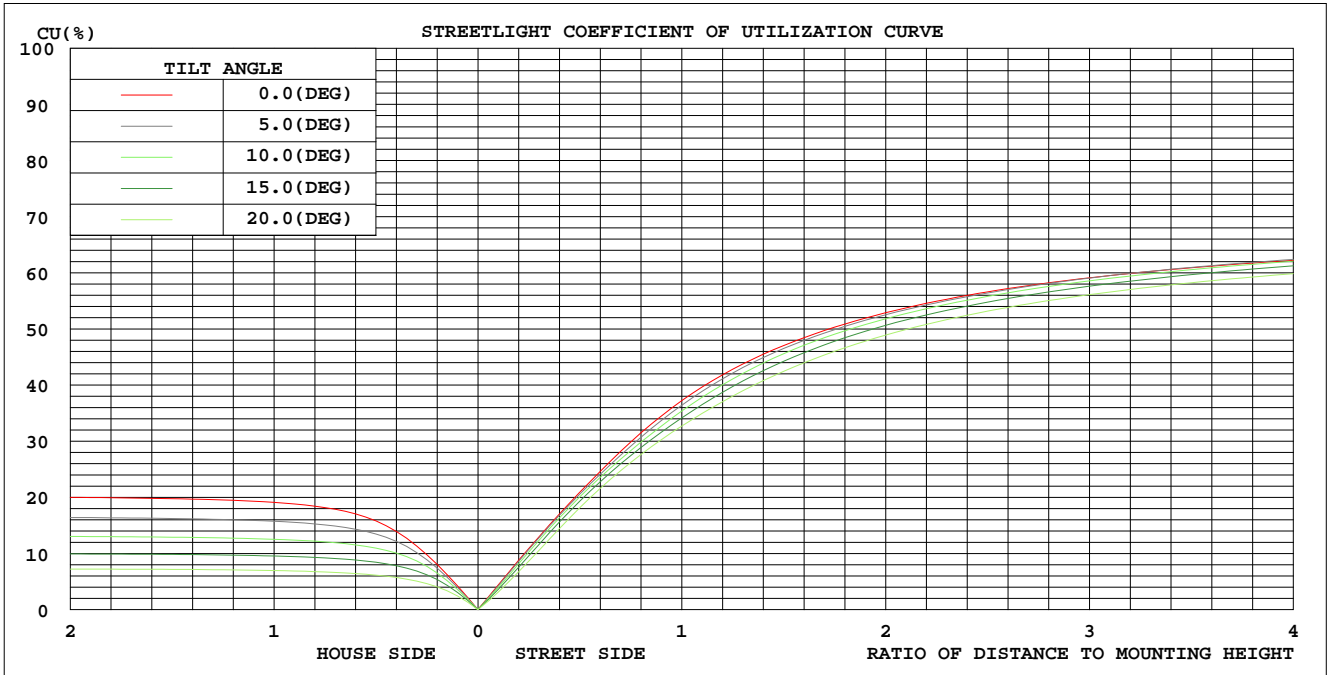
IES:Type IV - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:244.7cd/klm
 Max.At90:230.0cd/klm
 Max.80-90:244.7cd/klm
 NRB 5101:Semi limited[21.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2627
90%	2364
80%	2101
70%	1839
60%	1576
50%	1313
40%	1051
30%	788
20%	525
10%	263
5%	131

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JZ
Test Date: 2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.450m [K=1.0000]
Remarks:

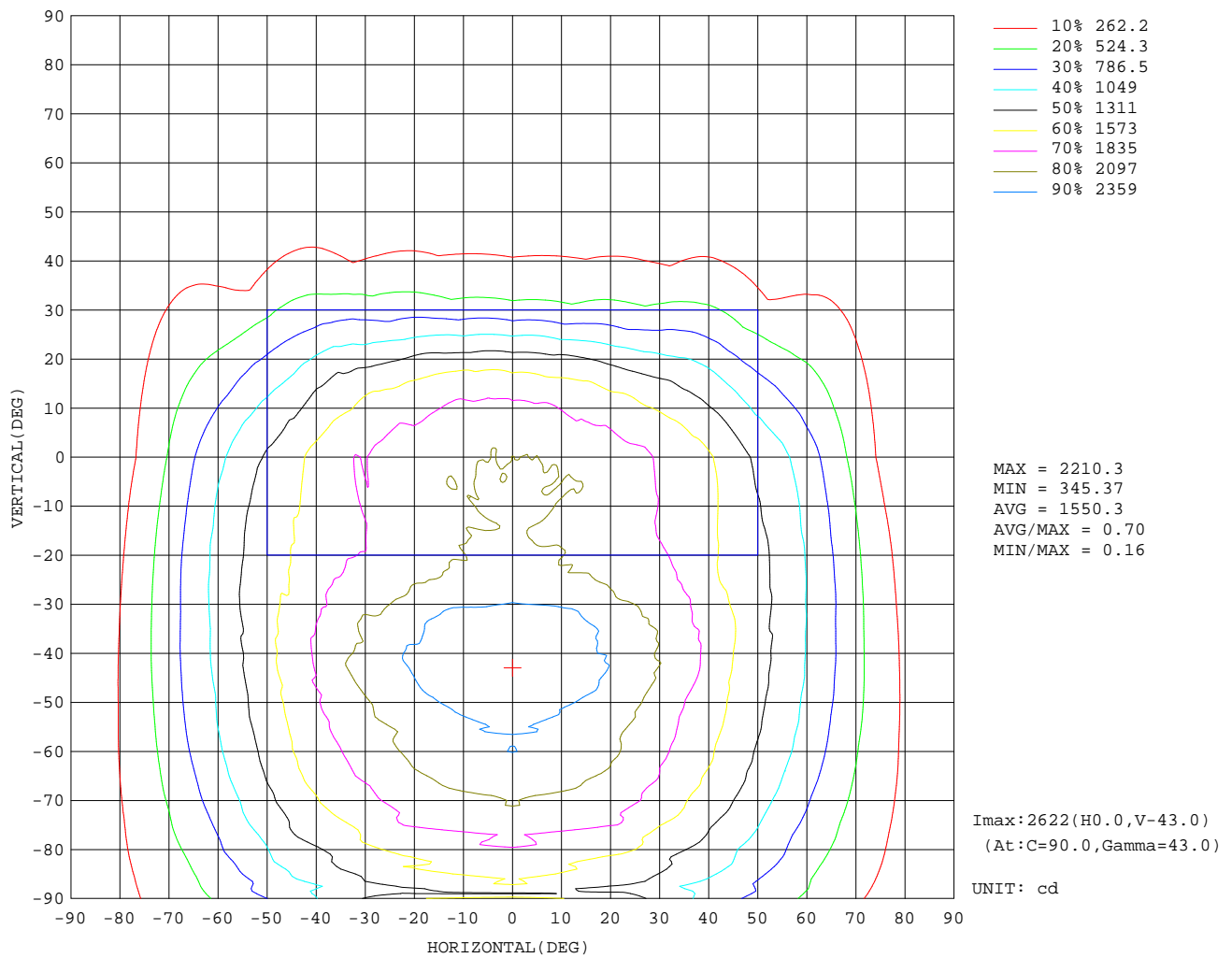
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2040	2084	2129	2120	2023	1956	1902	1849	0- 10	196.1	196.1	2.67,2.67
20	1945	2044	2193	2033	1973	1709	1409	1634	10- 20	551.3	747.4	10.2,10.2
30	1798	1967	2381	2000	1813	1190	622.4	1081	20- 30	798.7	1546	21,21
40	1596	2069	2578	2082	1629	620.3	278.1	528.8	30- 40	951.7	2498	33.9,33.9
50	1240	2046	2465	2104	1339	251.7	115.9	243.5	40- 50	1021	3519	47.8,47.8
60	892.4	1748	2375	1886	988.5	140.4	68.40	132.9	50- 60	985.5	4505	61.2,61.2
70	436.4	1532	2110	1643	540.2	62.27	41.52	55.88	60- 70	888.4	5393	73.3,73.3
80	111.2	1216	1801	1351	160.6	24.28	5.716	21.58	70- 80	737.2	6130	83.3,83.3
90	43.12	824.5	1692	904.0	46.56	11.48	7.445	10.75	80- 90	548.7	6679	90.8,90.8
100	25.31	427.2	958.7	502.4	24.26	8.396	8.968	8.593	90-100	354.3	7033	95.6,95.6
110	21.62	155.3	510.1	179.4	21.05	8.465	10.11	8.667	100-110	185.0	7218	98.1,98.1
120	19.69	61.98	171.0	69.58	19.85	8.811	10.76	8.884	110-120	72.22	7291	99.1,99.1
130	15.73	38.70	55.43	36.91	16.45	9.174	10.95	9.118	120-130	30.29	7321	99.5,99.5
140	10.88	34.83	43.82	32.93	10.96	9.611	10.87	9.511	130-140	16.96	7338	99.7,99.7
150	8.522	17.60	27.23	18.55	8.277	9.951	10.79	9.910	140-150	11.14	7349	99.9,99.9
160	8.616	7.806	12.53	8.084	8.555	10.06	10.78	10.26	150-160	5.247	7354	100,100
170	9.225	8.248	7.686	8.261	9.254	9.973	10.39	10.30	160-170	2.607	7357	100,100
180	9.575	9.434	9.382	9.698	9.586	9.463	9.411	9.715	170-180	0.8912	7358	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

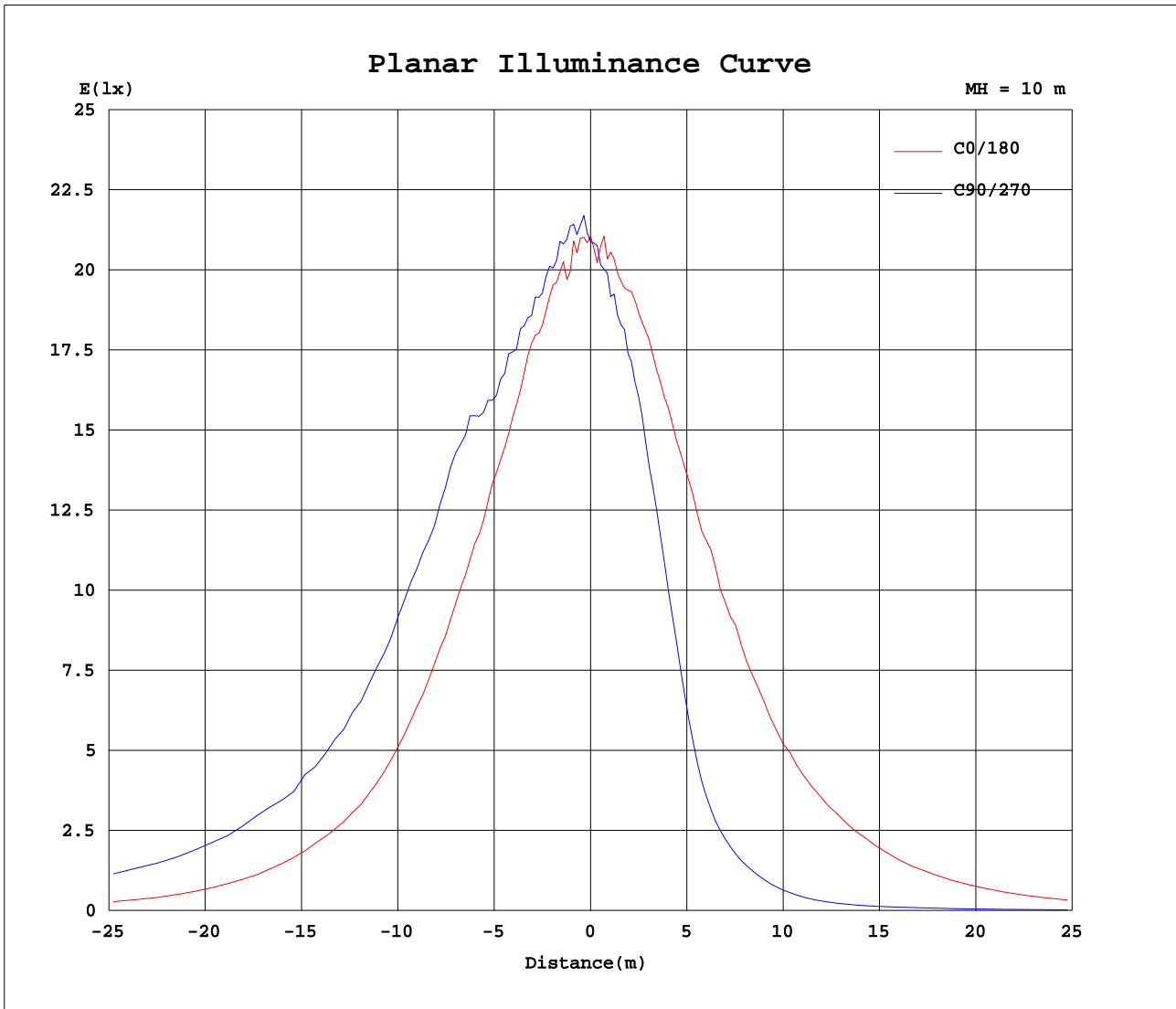
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JZ
 Test Date: 2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks:

Planar Illuminance Curve



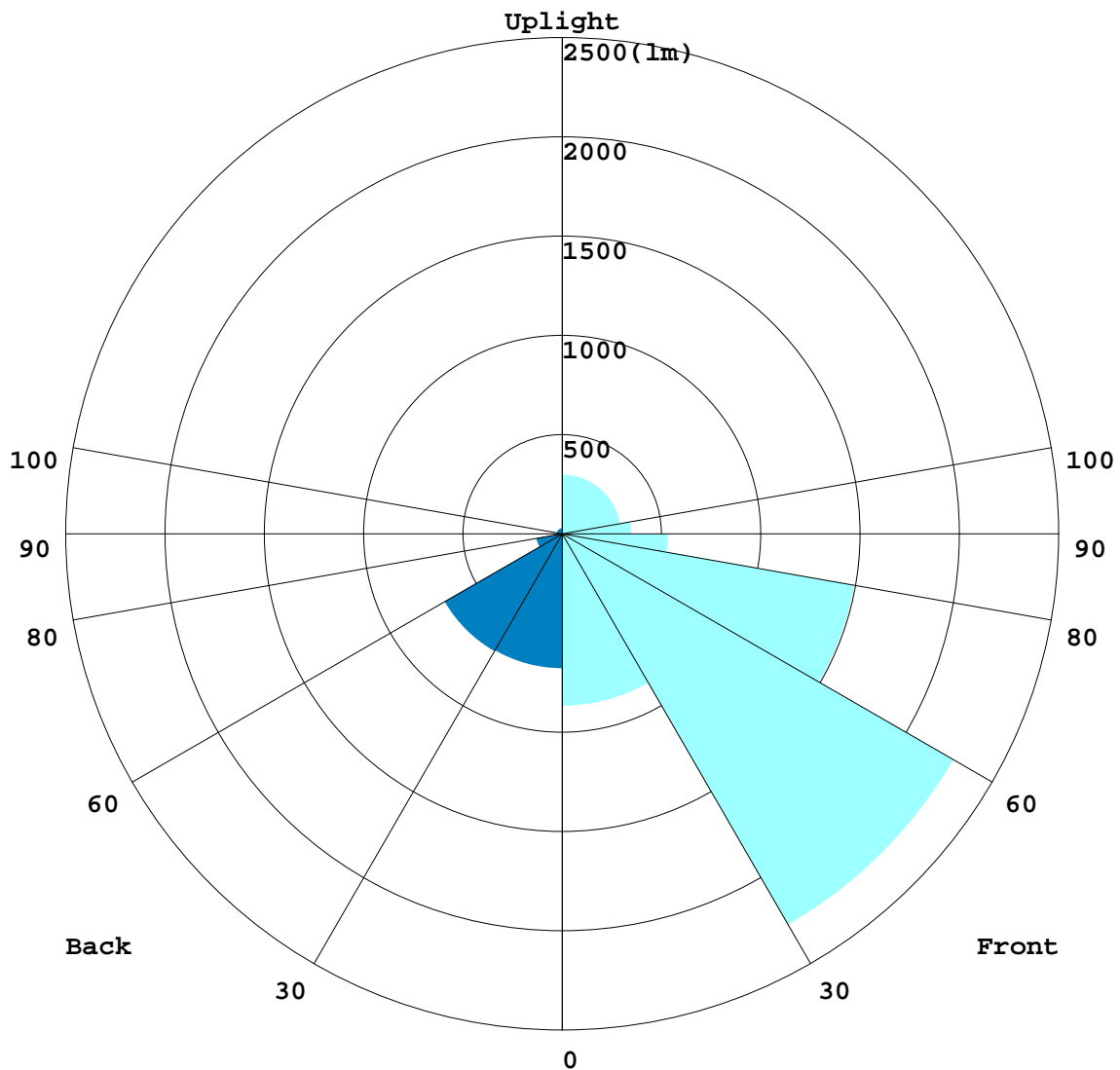
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JZ
 Test Date: 2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:120.13V I:0.4151A P:49.405W PF:0.9908 Freq:59.98Hz Lamp Flux:6962.6x1 lm		
NAME: PLTS-12363 50W 5K G4 WP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:120.13V I:0.4151A P:49.405W PF:0.9908 Freq:59.98Hz Lamp Flux:6962.6x1 lm		
NAME: PLTS-12363 50W 5K G4 WP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	867.69	11.8
FM - Front-Medium(30-60)	2275.2	30.9
FH - Front-High(60-80)	1493.5	20.3
FVH - Front-Very High(80-90)	534.2	7.3
Total Forward Light	5814.5	79.0

BL - Back-Low(0-30)	678.41	9.2
BM - Back-Medium(30-60)	683.5	9.3
BH - Back-High(60-80)	132.12	1.8
BVH - Back-Very High(80-90)	14.507	0.2
Total Back Light	1543.3	21.0

UL - Uplight-Low(90-100)	354.26	4.8
UH - Uplight-High(100-180)	324.39	4.4
Total Up Light	678.65	9.2

BUG(Back,Up,Glare) Rating	B2-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1508.5	34.776	1543.3
Street Side	5170.6	643.87	5814.5

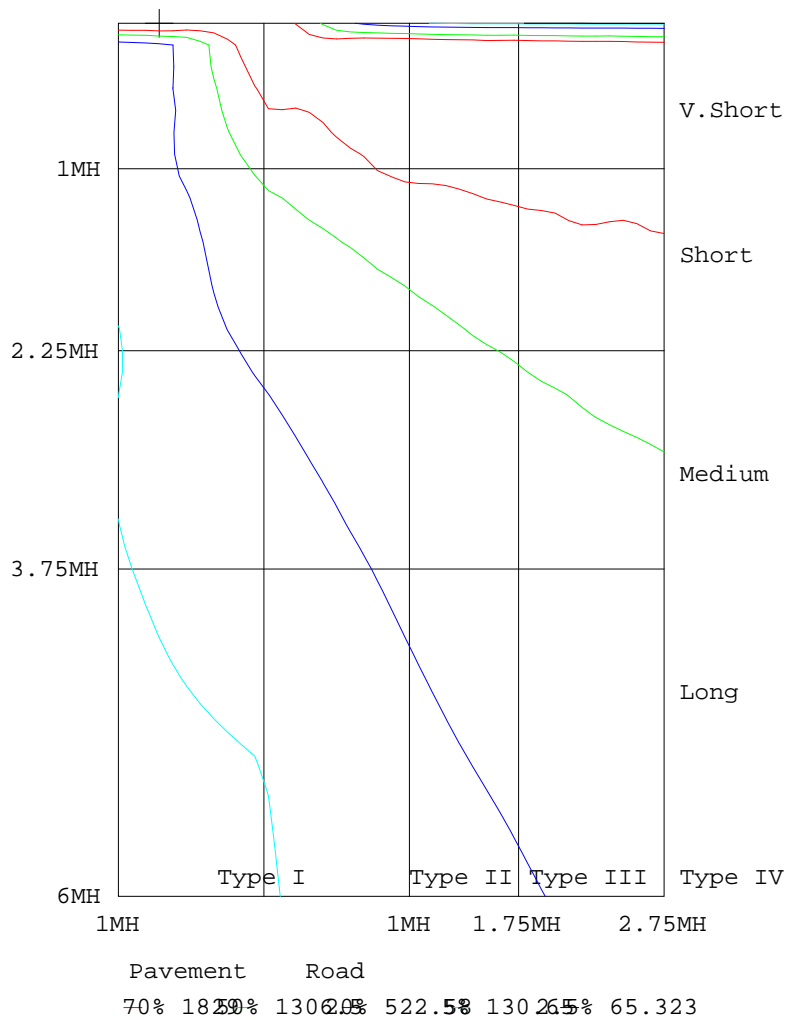
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.13V I:0.4151A P:49.405W PF:0.9908 Freq:59.98Hz Lamp Flux:6962.6x1 lm		
NAME: PLTS-12363 50W 5K G4 WP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	2092	2092	2092	2092	2092	2092	2092	2092	2092	2092	2092	2092	2092	2092	2092	2092			
5	2101	2167	2124	2155	2171	2067	2162	2139	2045	2069	2049	1989	2017	2010	1989	2023			
10	2040	2092	2084	2136	2129	2175	2120	2063	2023	1955	1956	1943	1902	1915	1849	1986			
15	1988	2108	2052	2070	2129	2068	2033	2089	2025	1911	1851	1777	1718	1776	1807	1857			
20	1945	2036	2044	2109	2193	2128	2033	2012	1973	1810	1709	1527	1409	1435	1634	1816			
25	1880	1949	2018	2138	2234	2159	2023	1922	1908	1758	1469	1148	1019	1122	1400	1674			
30	1798	1847	1967	2275	2381	2257	2000	1853	1813	1605	1190	775	622	714	1081	1520			
35	1732	1786	1980	2403	2603	2437	2013	1761	1737	1444	881	487	405	454	768	1349			
40	1596	1683	2069	2426	2578	2482	2082	1739	1629	1264	620	332	278	316	529	1151			
45	1432	1593	2087	2420	2593	2521	2169	1663	1463	1018	409	229	181	218	357	913			
50	1240	1488	2046	2352	2465	2388	2104	1599	1339	775	252	151	116	140	244	647			
55	1107	1408	1926	2235	2388	2279	2023	1511	1190	534	184	102	80.5	93.1	184	404			
60	892	1274	1748	2147	2375	2169	1886	1408	989	279	140	71.2	68.4	67.6	133	228			
65	666	1159	1650	2091	2227	2101	1760	1252	769	162	97.2	54.9	52.8	54.9	90.0	154			
70	436	1001	1532	1965	2110	1963	1643	1085	540	112	62.3	37.5	41.5	37.0	55.9	114			
75	226	844	1394	1856	2022	1870	1512	932	327	80.0	38.9	22.9	24.3	23.5	34.6	80.4			
80	111	663	1216	1665	1801	1730	1351	753	161	55.1	24.3	6.04	5.72	5.22	21.6	55.5			
85	63.5	494	1047	1481	1639	1535	1154	577	78.9	36.5	15.9	6.03	6.59	6.04	14.9	36.5			
90	43.1	311	824	1438	1692	1542	904	390	46.6	23.6	11.5	6.80	7.44	6.85	10.7	23.7			
95	31.1	168	618	1064	1194	1122	695	227	31.2	15.7	9.16	7.57	8.25	7.62	9.09	16.5			
100	25.3	93.7	427	820	959	867	502	115	24.3	11.6	8.40	8.26	8.97	8.32	8.59	12.7			
105	22.5	60.2	265	590	721	635	315	71.6	21.8	10.3	8.28	8.88	9.60	8.94	8.57	11.3			
110	21.6	44.4	155	370	510	405	179	49.2	21.0	9.86	8.47	9.39	10.1	9.46	8.67	10.6			
115	20.8	37.3	99.0	208	260	221	112	38.5	20.6	9.76	8.62	9.79	10.5	9.85	8.78	10.2			
120	19.7	32.5	62.0	134	171	143	69.6	32.2	19.8	9.59	8.81	10.1	10.8	10.1	8.88	9.78			
125	18.1	31.1	44.9	78.1	101	81.9	45.7	30.3	18.8	9.38	8.99	10.3	10.9	10.3	8.93	9.43			
130	15.7	29.0	38.7	51.5	55.4	51.0	36.9	28.9	16.4	9.07	9.17	10.4	10.9	10.4	9.12	9.16			
135	13.1	24.5	37.0	43.6	41.9	43.2	34.6	25.8	13.4	8.81	9.40	10.5	10.9	10.4	9.33	8.93			
140	10.9	18.7	34.8	41.6	43.8	42.7	32.9	20.8	11.0	8.71	9.61	10.5	10.9	10.4	9.51	8.83			
145	9.31	13.1	26.7	36.6	47.3	37.8	26.7	14.3	9.18	8.75	9.80	10.5	10.8	10.4	9.69	8.90			
150	8.52	9.46	17.6	23.7	27.2	24.2	18.5	9.29	8.28	8.88	9.95	10.6	10.8	10.5	9.91	9.11			
155	8.36	7.86	10.9	16.3	18.4	16.5	11.5	7.31	8.22	9.12	10.0	10.6	10.8	10.6	10.1	9.42			
160	8.62	7.76	7.81	11.2	12.5	11.3	8.08	7.55	8.56	9.33	10.1	10.6	10.8	10.6	10.3	9.70			
165	8.94	8.27	7.62	7.88	8.53	7.82	7.45	8.23	8.93	9.52	10.0	10.4	10.6	10.5	10.3	9.90			
170	9.22	8.75	8.25	7.82	7.69	7.78	8.26	8.87	9.25	9.63	9.97	10.2	10.4	10.4	10.3	10.05			
175	9.47	9.19	8.88	8.63	8.58	8.67	9.03	9.42	9.50	9.67	9.80	9.84	9.97	9.99	10.1	10.02			
180	9.58	9.54	9.43	9.37	9.38	9.48	9.70	9.90	9.59	9.53	9.46	9.36	9.41	9.47	9.72	9.88			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JZ
 Test Date: 2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks: