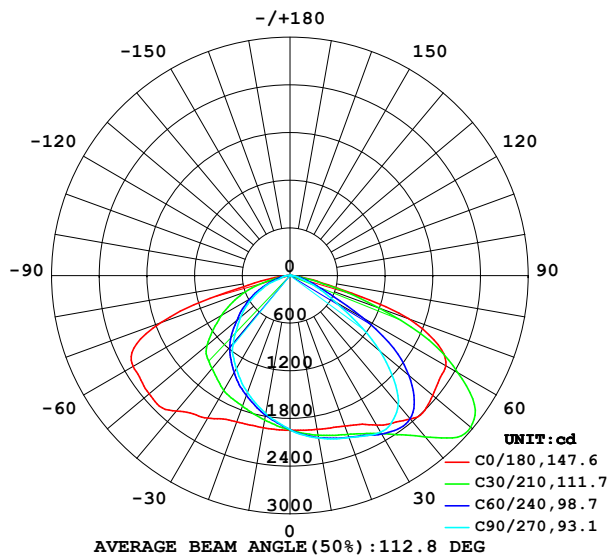
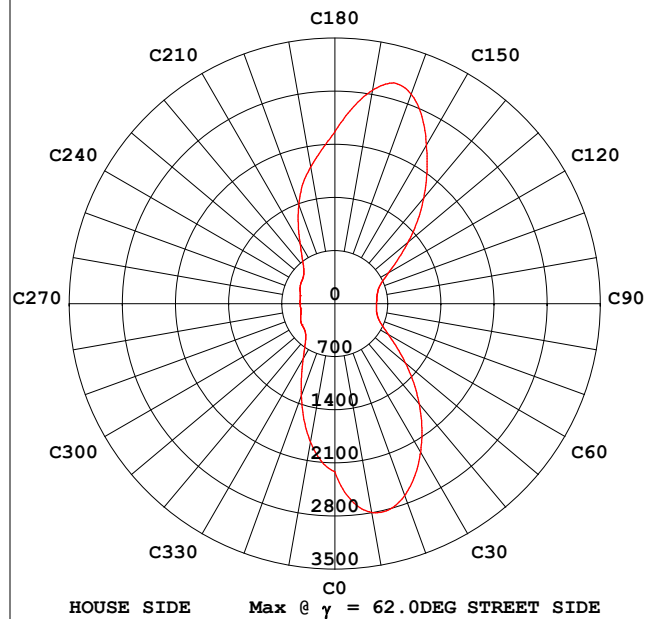


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm		
NAME: 40W 5050 T3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 179.96 lm/W			
MODEL		I _{max} (cd)	3013	η street_up (%)	0.0
NOMINAL POWER (W)		LOR (%)	100.0	η street_down (%)	61.0
RATED VOLTAGE (V)		TOTAL FLUX (lm)	7224	η house_up (%)	0.0
NOMINAL FLUX (lm)	7223.65	MAXIMUM @ (C, γ)	165,62.0	η house_down (%)	38.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)		η down (%)	100.0	SLI	

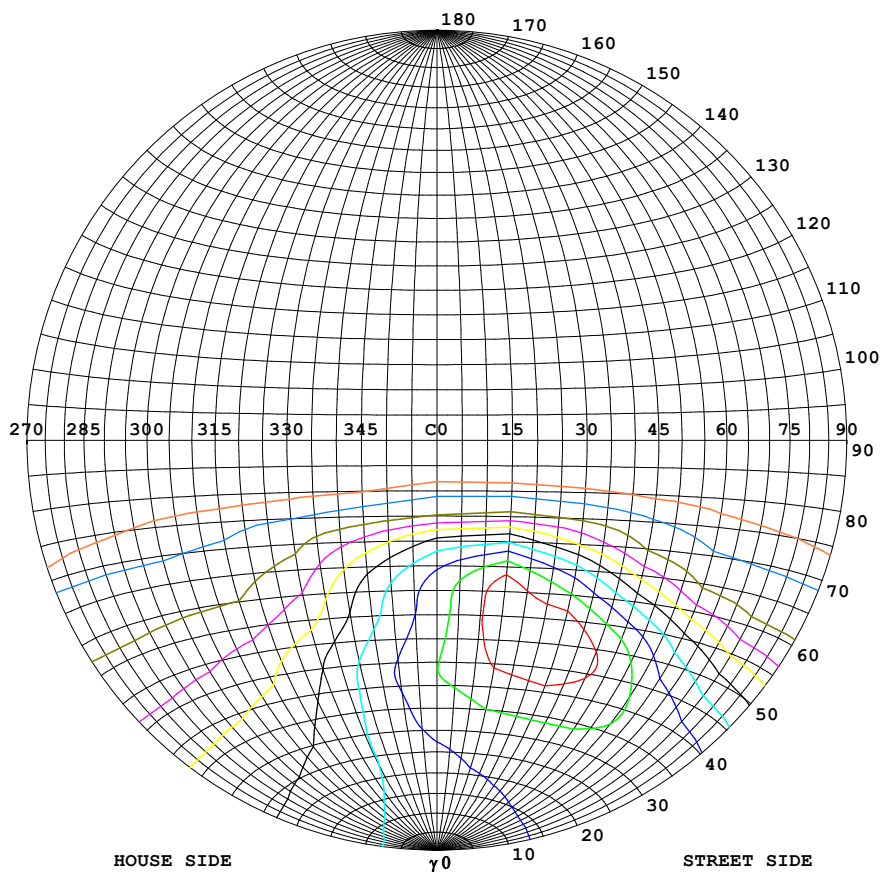
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENPU
Test Date: 2021-11-02

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm		
NAME: 40W 5050 T3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

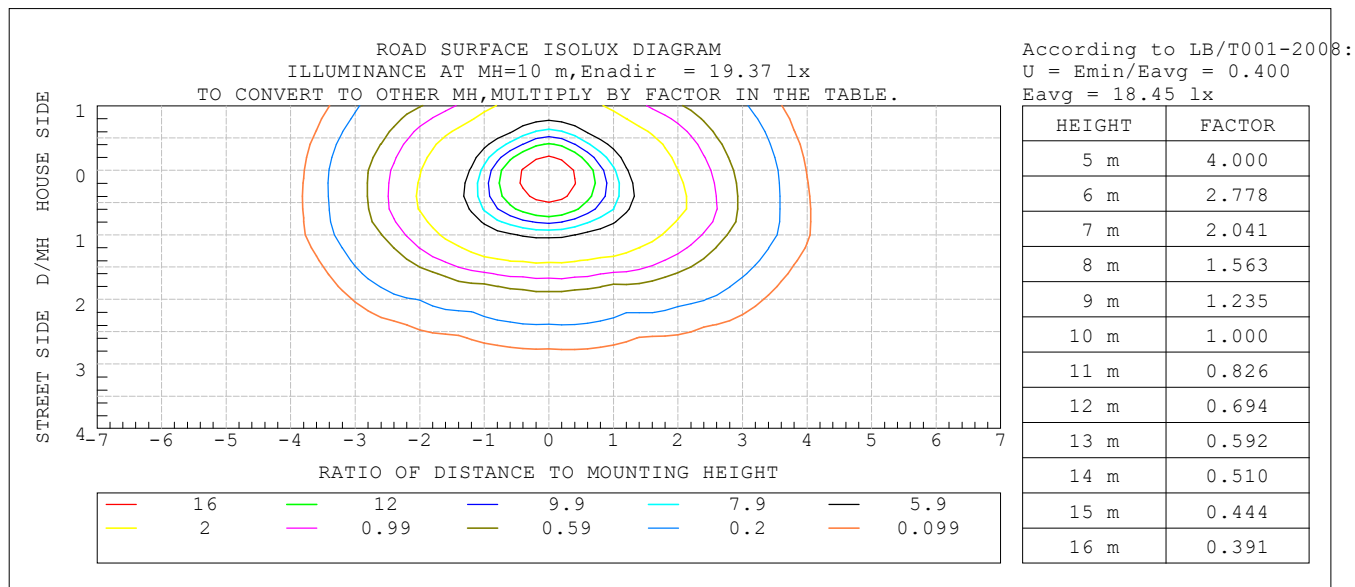
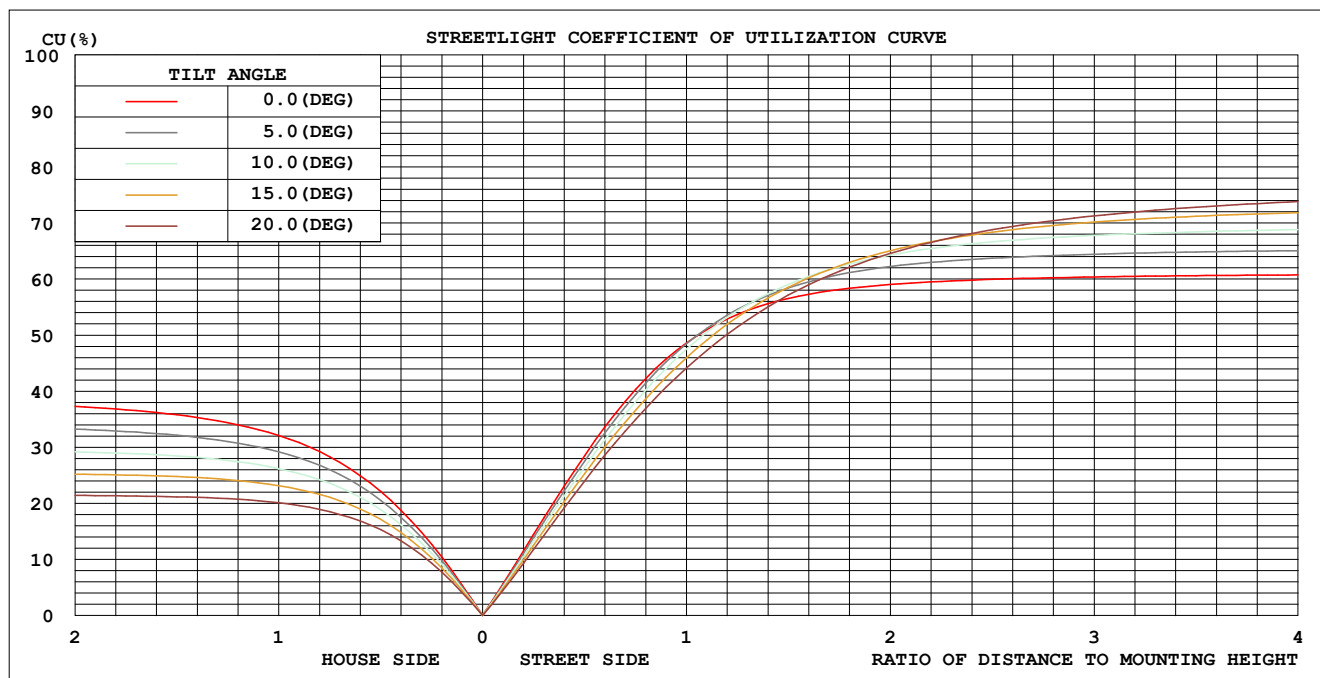
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:51.72cd/klm
 Max.At90:1.844cd/klm
 Max.80-90:51.72cd/klm
 NRB 5101:Semi limited[12.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3013
90%	2712
80%	2411
70%	2109
60%	1808
50%	1507
40%	1205
30%	904
20%	603
10%	301
5%	151

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENPU
 Test Date:2021-11-02

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENPU
Test Date: 2021-11-02

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm		
NAME: 40W 5050 T3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

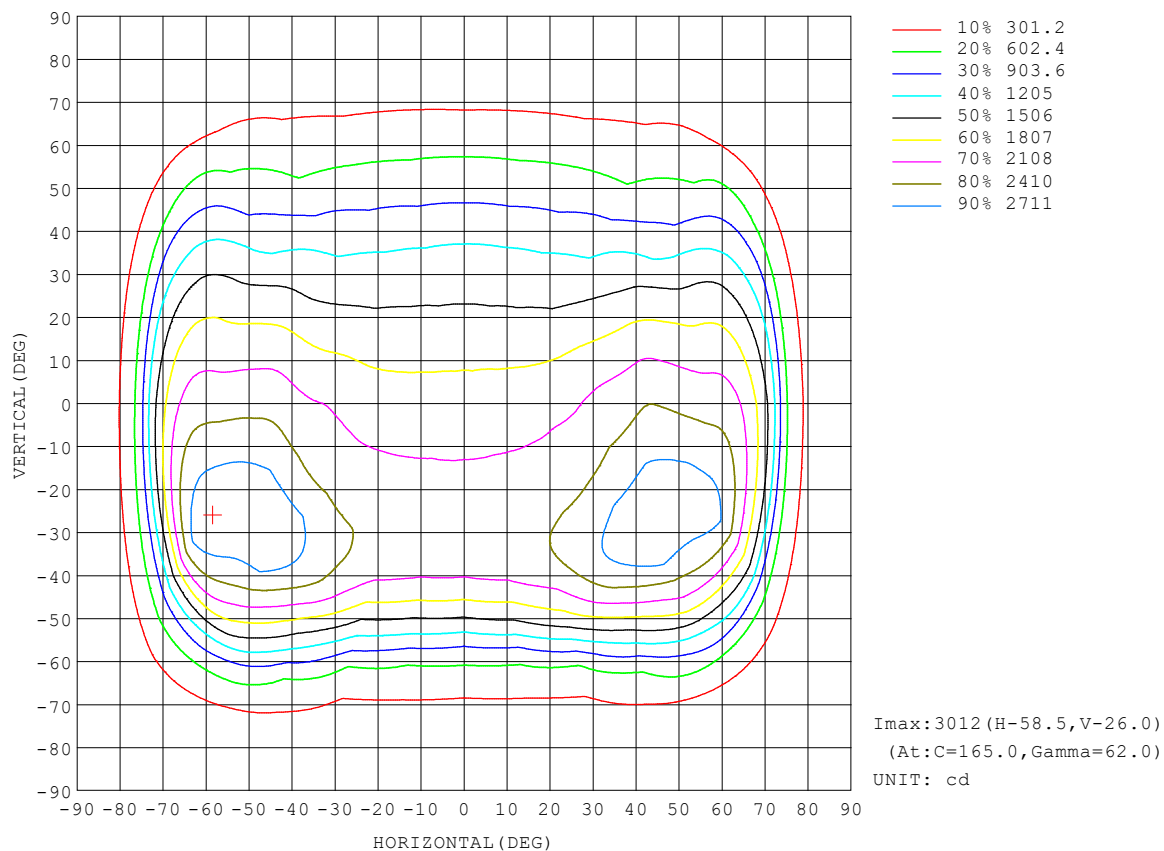
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1967	2057	2076	2038	1945	1808	1765	1821	0- 10	184.9	184.9	2.56,2.56
20	2015	2148	2170	2134	1960	1660	1567	1672	10- 20	545.5	730.4	10.1,10.1
30	2173	2306	2277	2267	2074	1503	1353	1500	20- 30	888.6	1619	22.4,22.4
40	2358	2573	2123	2437	2227	1290	1115	1283	30- 40	1212	2831	39.2,39.2
50	2346	2563	1481	2440	2316	1030	814.0	1002	40- 50	1442	4273	59.2,59.2
60	2267	1705	649.2	1736	2281	647.7	521.0	606.9	50- 60	1402	5675	78.6,78.6
70	1586	585.4	252.9	693.5	1727	366.6	238.2	340.4	60- 70	1060	6735	93.2,93.2
80	233.5	127.1	66.06	171.7	312.9	112.0	84.64	98.54	70- 80	427.1	7162	99.1,99.1
90	1.382	0.9754	1.189	4.191	4.194	4.193	0.7408	1.557	80- 90	60.23	7222	100,100
100	1.489	1.115	1.283	1.225	1.093	1.049	0.9387	1.276	90-100	1.339	7224	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0652	7224	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7224	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7224	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7224	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7224	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7224	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7224	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7224	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENPU
 Test Date:2021-11-02

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

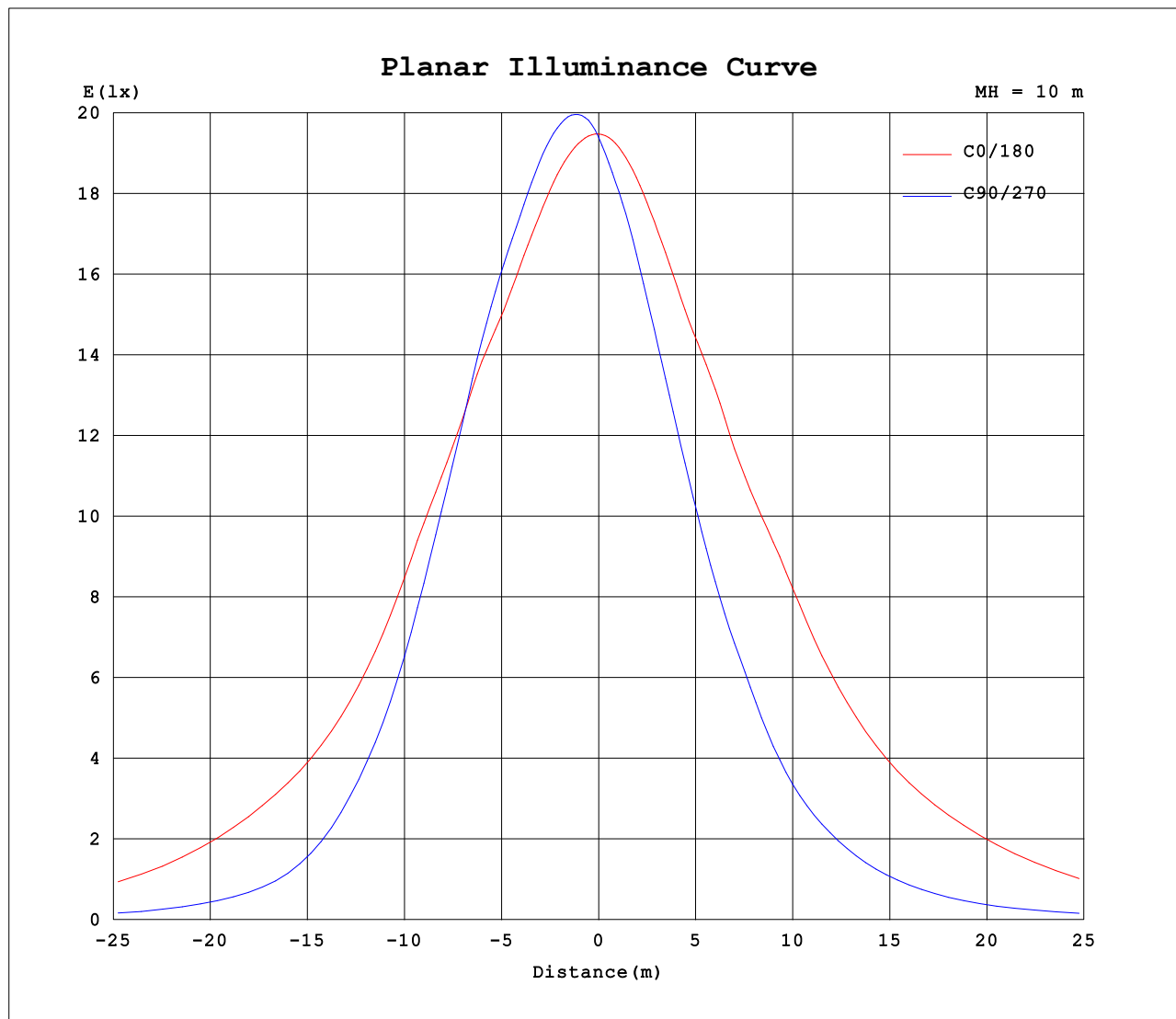
Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm		
NAME: 40W 5050 T3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2021-11-02

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



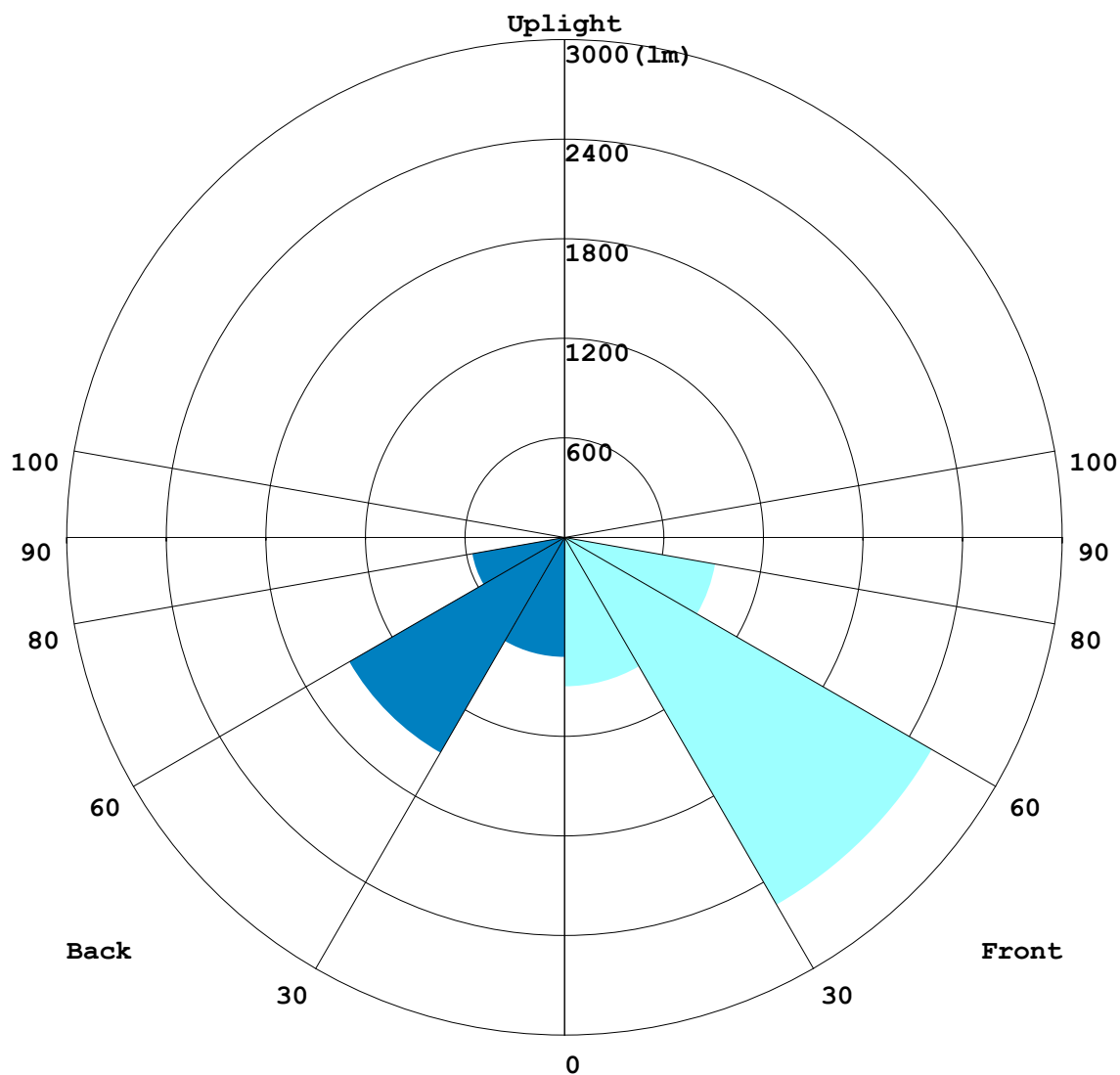
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENPU
Test Date: 2021-11-02

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LCS REPORT

Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm		
NAME: 40W 5050 T3	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:25DEG
Operators:SENPU
Test Date:2021-11-02

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

BUG REPORT

Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm		
NAME: 40W 5050 T3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	898.06	12.4
FM - Front-Medium(30-60)	2556.9	35.4
FH - Front-High(60-80)	922.67	12.8
FVH - Front-Very High(80-90)	31.067	0.4
Total Forward Light	4409.5	61.0

BL - Back-Low(0-30)	720.92	10.0
BM - Back-Medium(30-60)	1499	20.8
BH - Back-High(60-80)	564.42	7.8
BVH - Back-Very High(80-90)	29.162	0.4
Total Back Light	2814.2	39.0

UL - Uplight-Low(90-100)	1.339	0.0
UH - Uplight-High(100-180)	0.06517	0.0
Total Up Light	1.4042	0.0

BUG (Back, Up, Glare) Rating	B2-U1-G2
------------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2813.5	0.66595	2814.2
Street Side	4408.7	0.73825	4409.5

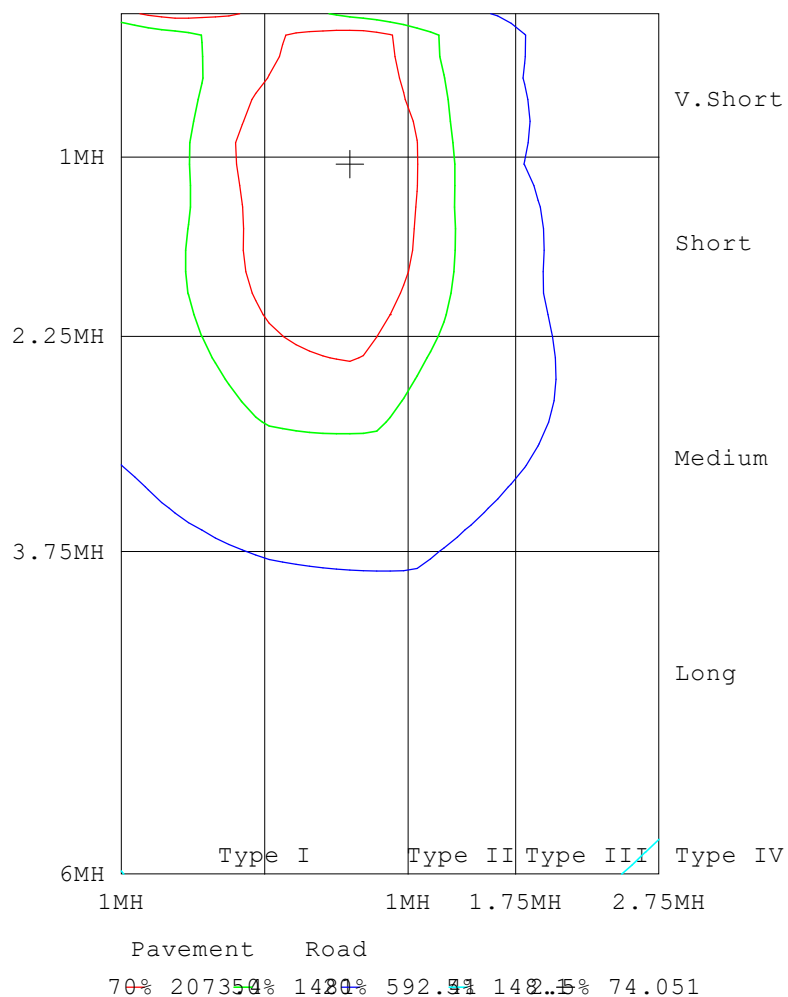
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENPU
 Test Date: 2021-11-02

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm		
NAME: 40W 5050 T3	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:25DEG
Operators:SENPU
Test Date:2021-11-02

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm																		
NAME: 40W 5050 T3									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	1947	1944	1944	1939	1941	1935	1939	1934	1939	1935	1939	1939	1947	1944	1944	1939	1941	1935	1939
5	1953	1974	1993	2002	2012	2014	2017	2010	2006	1992	1980	1961	1946	1919	1896	1872	1860	1848	1849
10	1967	2009	2040	2057	2070	2074	2076	2069	2061	2038	2015	1980	1945	1894	1846	1808	1786	1767	1765
15	1985	2047	2082	2104	2120	2126	2128	2122	2111	2085	2052	2002	1947	1870	1798	1740	1696	1670	1667
20	2015	2092	2127	2148	2166	2171	2170	2169	2162	2134	2093	2035	1960	1854	1751	1660	1607	1572	1567
25	2068	2161	2196	2208	2221	2225	2227	2224	2216	2186	2148	2081	1992	1858	1714	1589	1517	1471	1464
30	2173	2280	2297	2306	2304	2279	2277	2277	2286	2267	2244	2180	2074	1878	1669	1503	1407	1360	1353
35	2263	2408	2448	2448	2361	2283	2245	2258	2319	2361	2345	2268	2125	1869	1596	1400	1298	1250	1248
40	2358	2561	2650	2573	2355	2184	2123	2156	2257	2437	2497	2404	2227	1893	1528	1290	1183	1123	1115
45	2398	2735	2888	2651	2215	1955	1849	1924	2118	2479	2728	2633	2324	1916	1471	1175	1037	958	950
50	2346	2827	2970	2563	1953	1611	1481	1567	1829	2440	2917	2800	2316	1850	1366	1030	871	817	814
55	2295	2887	2835	2215	1594	1170	1032	1159	1442	2197	2888	2928	2293	1755	1176	833	729	674	669
60	2267	2871	2436	1705	1045	693	649	709	1006	1736	2595	2997	2281	1692	994	648	579	527	521
65	2060	2556	1934	1114	551	455	431	465	566	1245	2120	2942	2172	1509	799	504	431	394	382
70	1586	1787	1187	585	328	273	253	287	341	694	1494	2274	1727	1126	594	367	290	269	238
75	628	746	544	322	193	158	134	164	203	387	730	1063	836	590	358	233	177	136	117
80	234	223	186	127	110	80.6	66.1	86.4	119	172	271	374	313	211	141	112	111	88.0	84.6
85	48.9	51.6	43.6	37.4	21.2	10.6	6.86	14.7	27.3	47.7	68.4	91.8	77.7	47.1	44.2	43.5	51.8	53.2	50.8
90	1.38	1.22	1.14	0.98	1.03	1.08	1.19	1.25	1.41	4.19	8.39	13.3	4.19	3.56	4.79	4.19	5.43	1.49	0.74
95	1.36	1.28	1.08	1.03	1.00	1.11	1.16	1.27	1.22	1.17	1.20	1.31	0.85	1.02	1.09	1.04	0.92	0.90	0.84
100	1.49	1.39	1.20	1.11	1.04	1.16	1.28	1.35	1.28	1.22	1.24	1.39	1.09	1.19	1.21	1.05	0.95	0.92	0.94
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2021-11-02

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:22.060V I:1.8200A P:40.140W PF:1.0000 Freq:0Hz Lamp Flux:7223.65x1 lm		
NAME: 40W 5050 T3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																		
	285	300	315	330	345														
0	1934	1939	1935	1939	1939														
5	1850	1864	1876	1898	1921														
10	1768	1793	1821	1864	1910														
15	1673	1705	1750	1823	1904														
20	1573	1613	1672	1779	1903														
25	1469	1512	1592	1741	1920														
30	1358	1401	1500	1707	1964														
35	1252	1291	1394	1647	1984														
40	1125	1179	1283	1579	2006														
45	957	1024	1164	1503	1983														
50	814	858	1002	1341	1865														
55	670	716	792	1110	1737														
60	522	569	607	920	1652														
65	388	419	476	717	1411														
70	260	279	340	531	994														
75	131	166	208	293	439														
80	86.0	105	98.5	109	142														
85	51.7	45.9	35.7	32.6	34.0														
90	1.62	1.70	1.56	1.25	1.07														
95	1.11	1.19	1.19	1.19	1.06														
100	1.17	1.28	1.28	1.40	1.38														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENPU
 Test Date:2021-11-02

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: