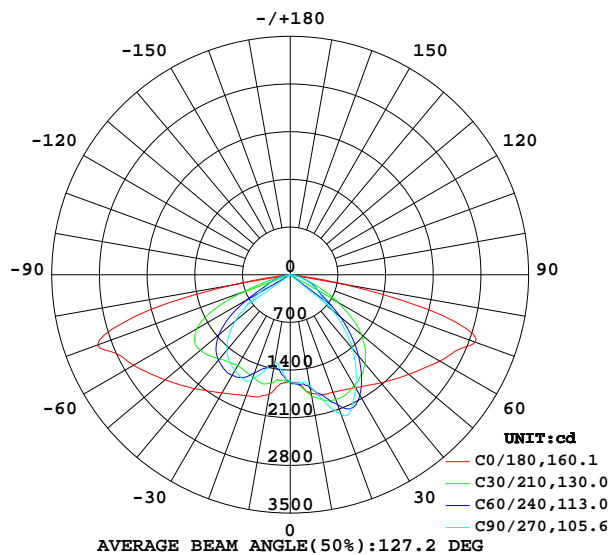
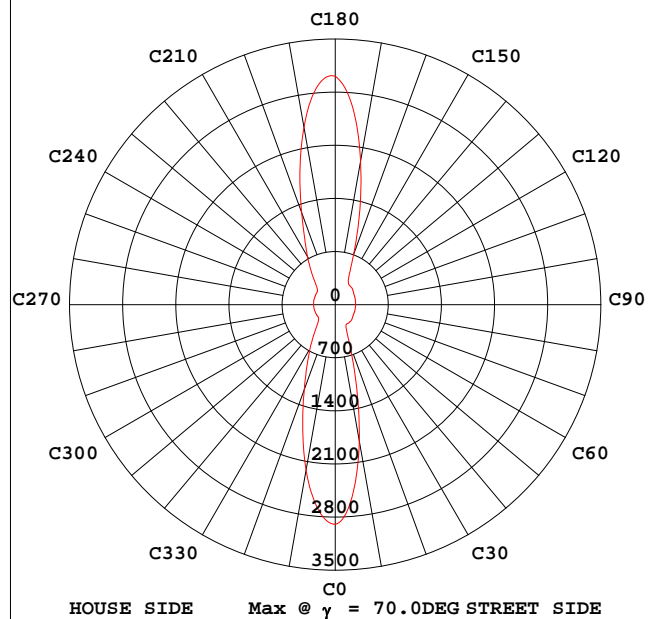


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.00 lm/W			
MODEL	LD56LMA 1M 3030	Imax(cd)	3009	η street_up(%)	0.2
NOMINAL POWER(W)	56	LOR(%)	100.0	η street_down(%)	48.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	6440	η house_up(%)	0.2
NOMINAL FLUX(lm)	6440	MAXIMUM @ (C, γ)	180,70.0	η house_down(%)	50.8
LAMPS INSIDE	1	η up(%)	0.4	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	99.6	SLI	23.424

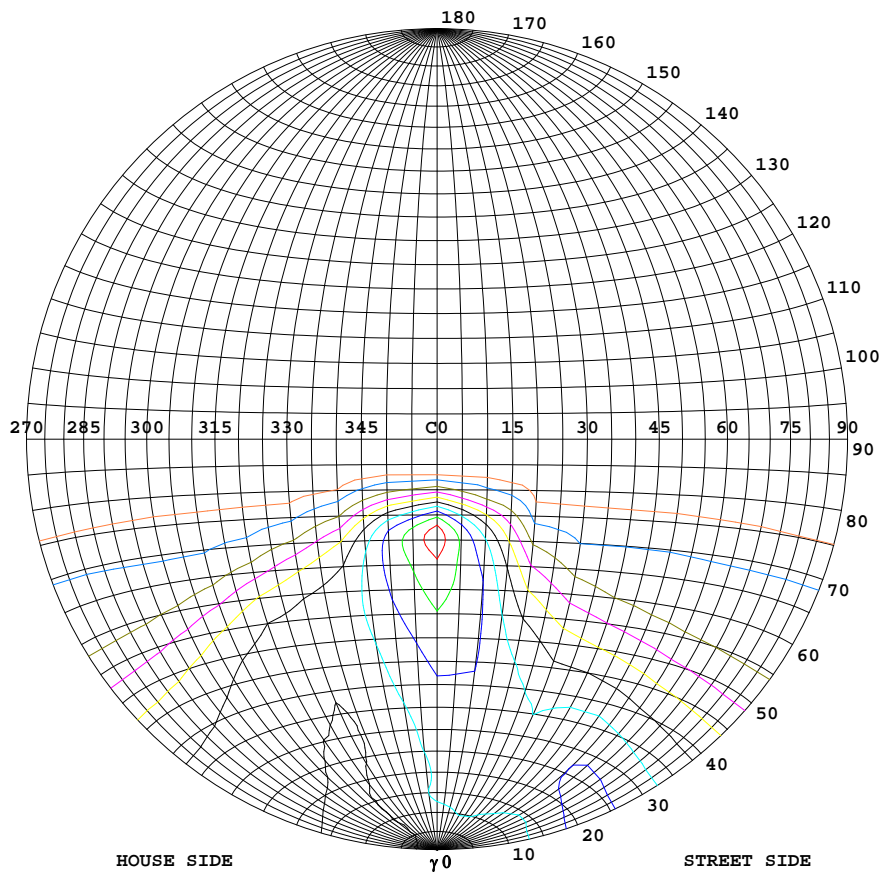
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2017.10.31

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.480m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



Classification:

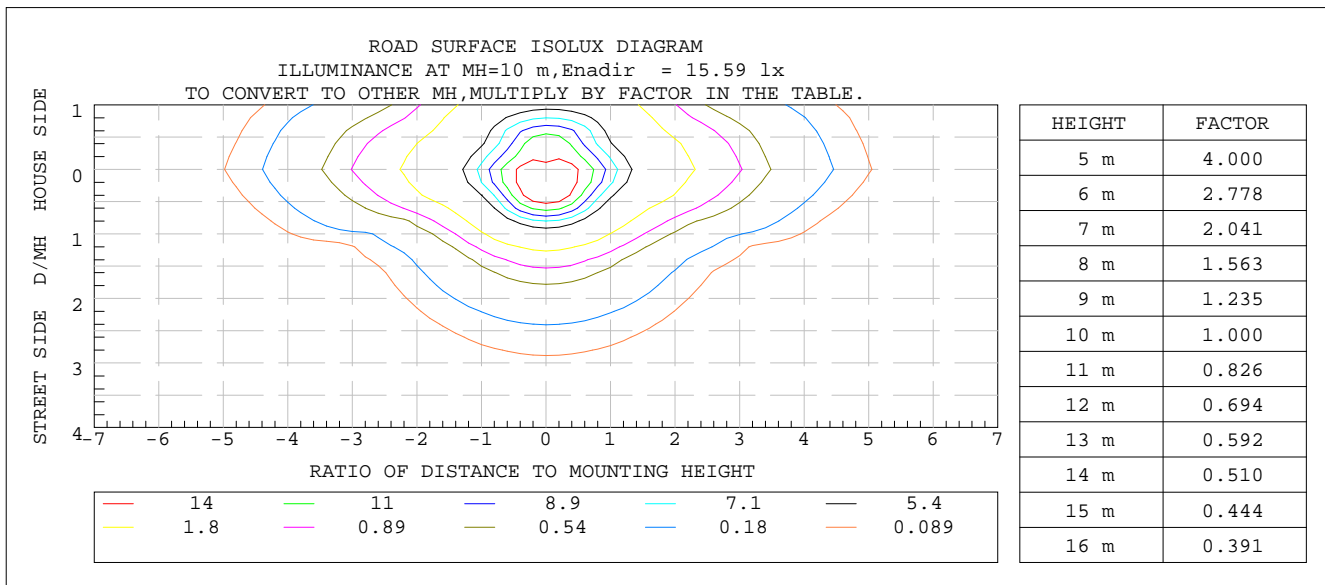
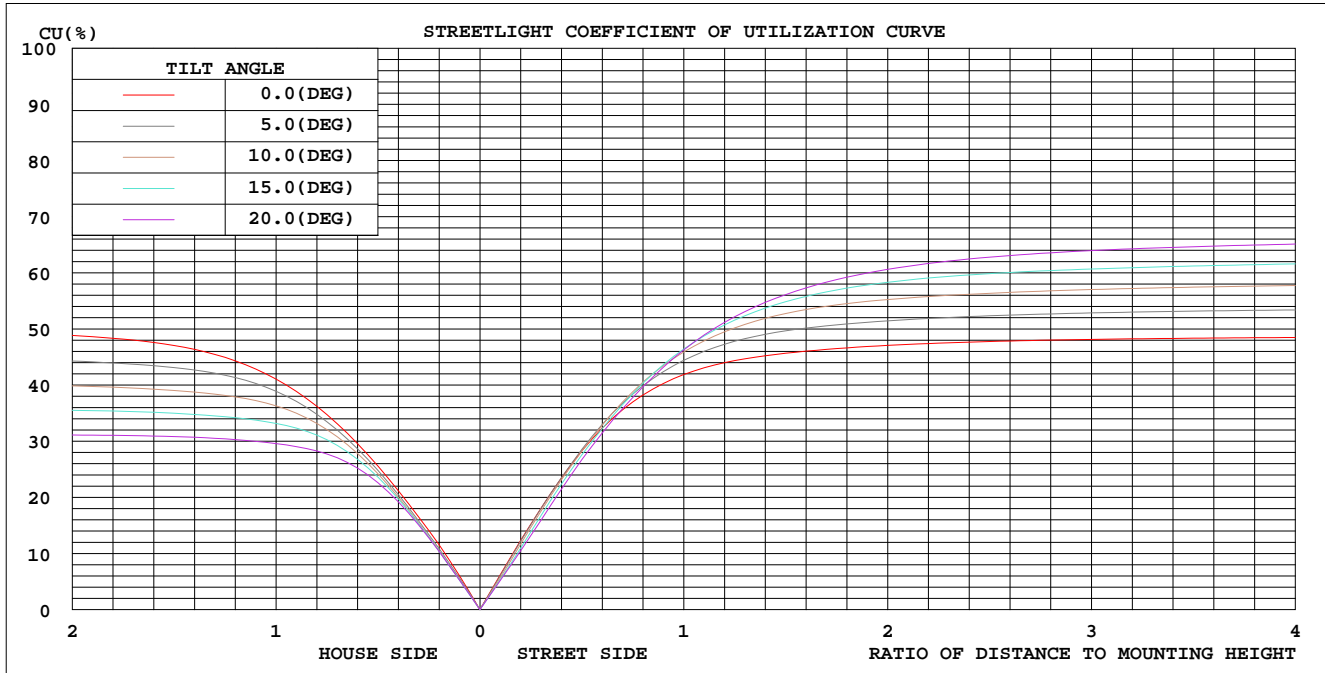
IES:Type V - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:131.0cd/klm
 Max.At90:11.67cd/klm
 Max.80-90:131.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3009
90%	2708
80%	2407
70%	2106
60%	1805
50%	1505
40%	1204
30%	903
20%	602
10%	301
5%	150

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2017.10.31

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.480m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.480m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

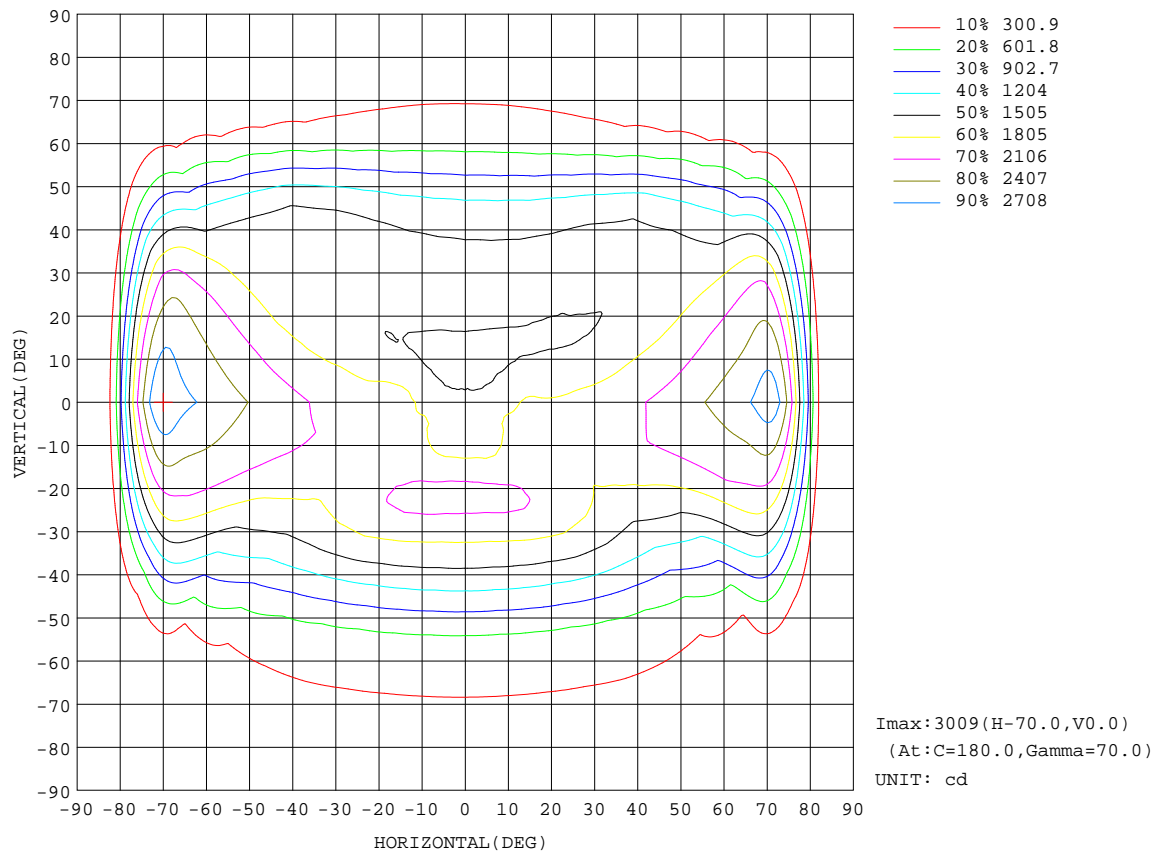
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1770	1735	1656	1725	1772	1476	1321	1469	0- 10	150.8	150.8	2.34,2.34
20	1837	1931	2183	1973	1890	1502	1637	1450	10- 20	490.9	641.7	9.96,9.96
30	1916	1997	1920	2047	2003	1630	1625	1557	20- 30	851.1	1493	23.2,23.2
40	2071	1705	1425	1754	2183	1749	1448	1653	30- 40	1107	2600	40.4,40.4
50	2274	1154	815.2	1214	2398	1677	1048	1550	40- 50	1219	3818	59.3,59.3
60	2534	557.5	466.4	605.5	2657	1176	511.1	1056	50- 60	1130	4949	76.8,76.8
70	2893	294.2	269.1	308.9	3009	372.2	285.5	337.0	60- 70	901.9	5850	90.8,90.8
80	766.3	89.09	64.50	98.45	843.7	108.7	73.14	97.11	70- 80	493.0	6343	98.5,98.5
90	5.301	20.94	4.335	19.43	6.476	19.41	4.201	19.71	80- 90	68.06	6411	99.6,99.6
100	7.262	19.96	6.808	18.35	7.555	17.84	6.563	18.62	90-100	27.52	6439	100,100
110	0	0	0	0	0	0	0	0	100-110	1.220	6440	100,100
120	0	0	0	0	0	0	0	0	110-120	0	6440	100,100
130	0	0	0	0	0	0	0	0	120-130	0	6440	100,100
140	0	0	0	0	0	0	0	0	130-140	0	6440	100,100
150	0	0	0	0	0	0	0	0	140-150	0	6440	100,100
160	0	0	0	0	0	0	0	0	150-160	0	6440	100,100
170	0	0	0	0	0	0	0	0	160-170	0	6440	100,100
180	0	0	0	0	0	0	0	0	170-180	0	6440	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

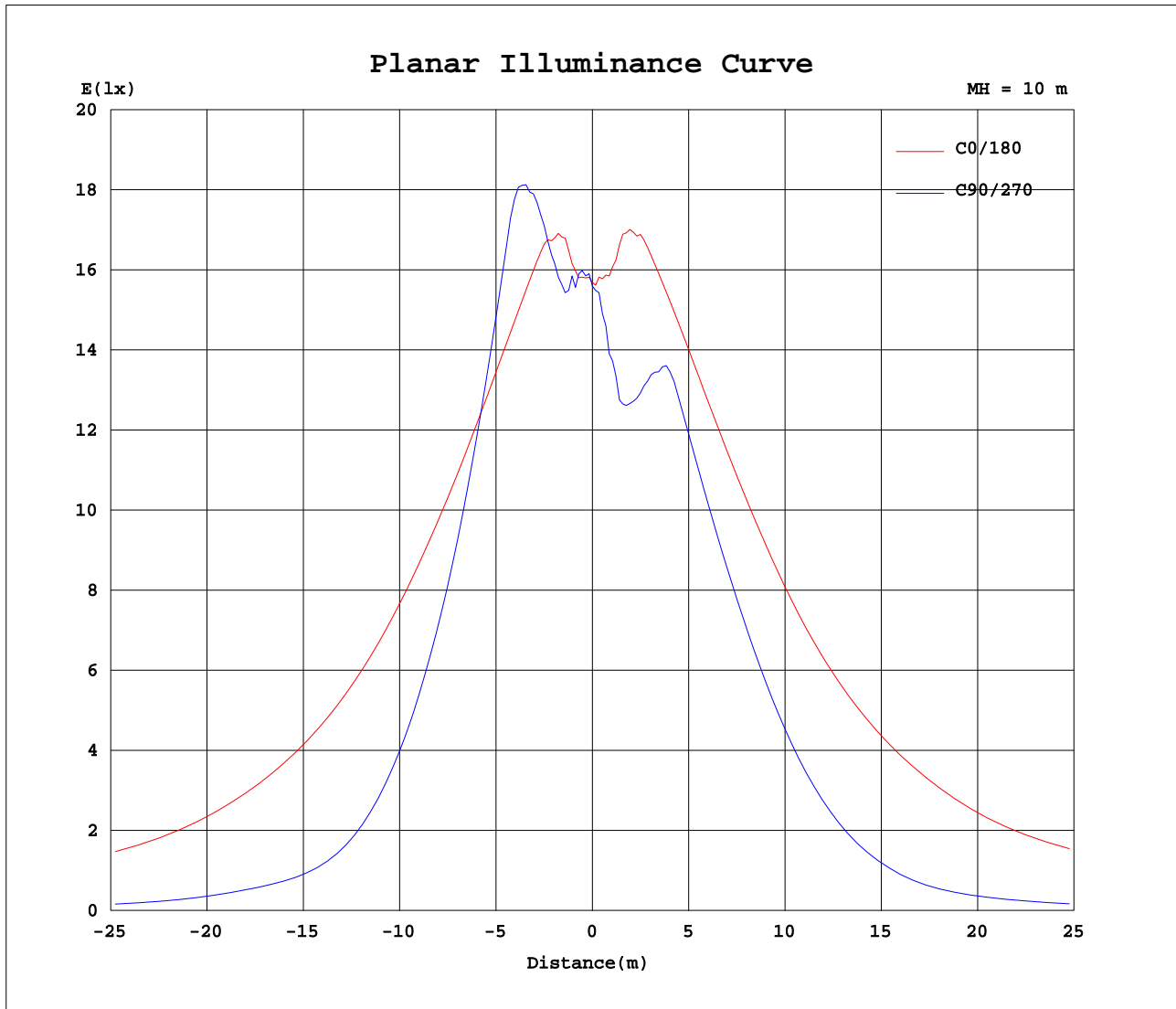
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

Planar Illuminance Curve



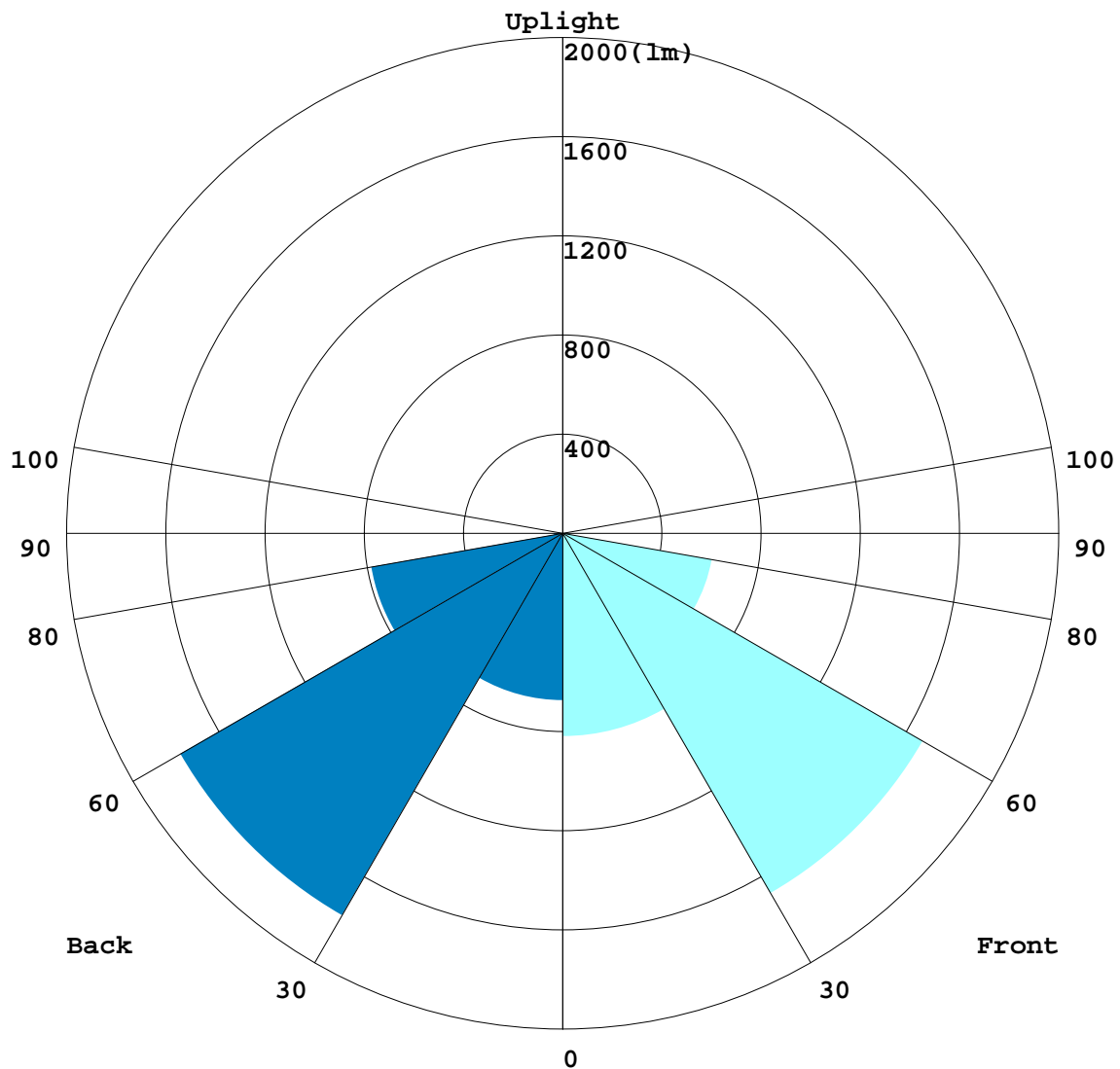
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.480m [K=1.0000]
Remarks:

LCS REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

BUG REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	819.05	12.7
FM - Front-Medium(30-60)	1676.3	26.0
FH - Front-High(60-80)	611.06	9.5
FVH - Front-Very High(80-90)	31.351	0.5
Total Forward Light	3152.4	48.9

BL - Back-Low(0-30)	673.73	10.5
BM - Back-Medium(30-60)	1779.4	27.6
BH - Back-High(60-80)	783.8	12.2
BVH - Back-Very High(80-90)	36.711	0.6
Total Back Light	3287.8	51.1

UL - Uplight-Low(90-100)	27.52	0.4
UH - Uplight-High(100-180)	1.2197	0.0
Total Up Light	28.74	0.4

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3273.7	14.12	3287.8
Street Side	3137.8	14.62	3152.4

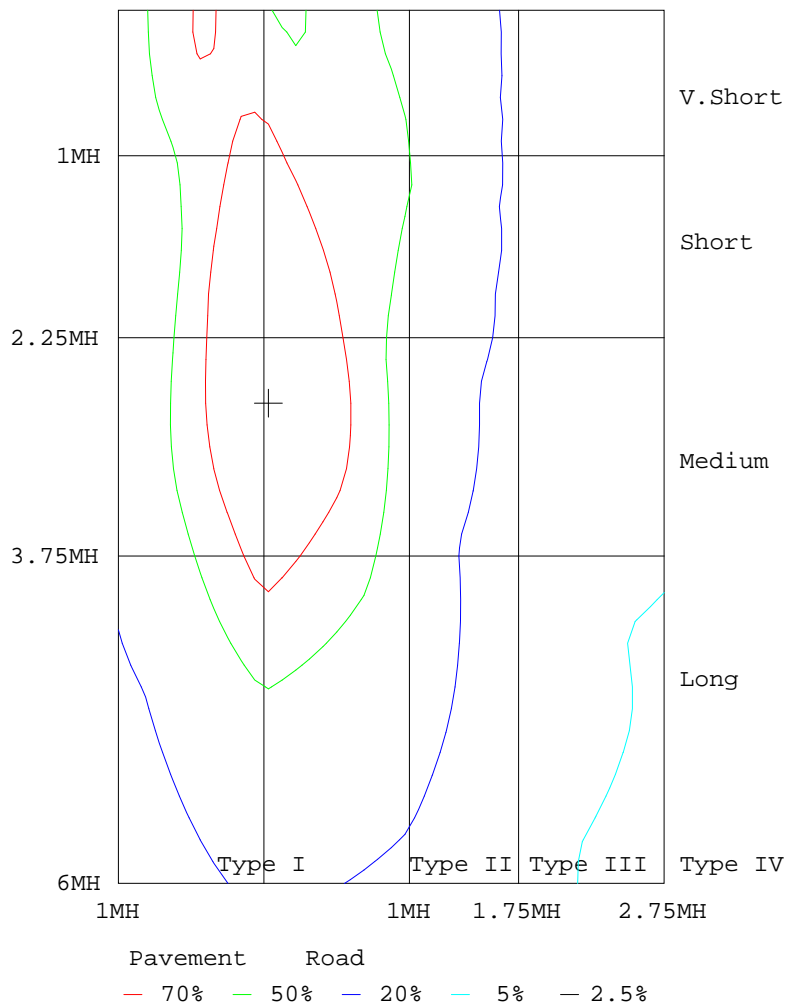
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1569	1567	1560	1562	1555	1560	1554	1560	1553	1560	1554	1561	1555	1559	1557	1560	1561	1559	1569
5	1616	1655	1648	1635	1642	1615	1632	1605	1594	1574	1575	1611	1630	1606	1635	1624	1613	1635	1603
10	1770	1784	1813	1812	1759	1711	1694	1672	1657	1656	1650	1665	1679	1693	1757	1815	1815	1774	1772
15	1825	1896	1928	1905	1894	1839	1824	1858	1906	1927	1912	1891	1850	1857	1916	1944	1955	1927	1859
20	1837	1953	1943	1949	1914	1948	2024	2107	2163	2183	2176	2124	2075	1987	1959	1992	1987	1990	1890
25	1867	1948	1966	1937	1928	2042	2159	2172	2145	2137	2154	2192	2198	2114	1980	1978	2017	1991	1939
30	1916	2009	1972	1872	1941	2052	2047	1980	1928	1920	1936	1994	2066	2093	2002	1933	2038	2068	2003
35	1984	2040	1945	1803	1867	1909	1826	1742	1690	1681	1696	1754	1844	1941	1930	1887	2018	2104	2085
40	2071	2086	1889	1710	1728	1682	1561	1482	1432	1425	1440	1496	1585	1713	1794	1801	1981	2156	2183
45	2168	2115	1820	1562	1507	1403	1268	1187	1136	1128	1144	1202	1293	1437	1581	1668	1909	2195	2286
50	2274	2130	1672	1363	1222	1086	957	874	822	815	830	890	984	1129	1298	1496	1806	2230	2398
55	2393	2135	1479	1094	912	764	653	598	571	569	576	610	675	805	1000	1240	1644	2254	2523
60	2534	2121	1226	802	608	507	470	470	465	466	468	474	481	533	678	956	1414	2247	2657
65	2667	2048	922	518	399	395	389	368	363	364	365	374	397	406	433	630	1117	2158	2779
70	2893	1831	552	299	298	291	275	272	269	269	272	277	284	303	315	347	713	1921	3009
75	2312	1216	221	192	188	184	174	167	155	154	158	173	183	194	200	206	275	1224	2354
80	766	336	121	104	91.5	86.7	81.5	74.9	68.3	64.5	69.8	78.4	88.1	95.5	101	112	124	302	844
85	33.0	91.3	72.0	51.7	36.3	28.8	24.0	22.7	20.1	18.2	20.9	24.4	26.4	31.7	38.6	52.7	70.9	89.7	43.7
90	5.30	75.2	61.7	40.7	25.2	16.7	11.9	8.71	6.15	4.33	5.97	8.39	11.4	15.7	23.2	36.6	55.1	69.0	6.48
95	6.09	70.2	58.0	39.0	25.0	17.2	12.7	9.51	6.94	5.47	6.69	9.07	12.0	16.0	22.9	35.3	52.2	64.8	6.45
100	7.26	57.5	48.5	33.9	23.0	16.9	13.1	10.3	7.93	6.81	7.61	9.74	12.2	15.6	21.1	30.6	43.3	52.0	7.55
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: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1567	1560	1562	1555	1560	1554	1560	1553	1560	1554	1561	1555	1559	1557	1560	1561	1559		
5	1633	1588	1558	1524	1477	1470	1438	1406	1407	1416	1422	1467	1473	1501	1541	1579	1593		
10	1757	1686	1615	1521	1431	1371	1342	1324	1321	1319	1349	1364	1422	1517	1580	1635	1698		
15	1842	1737	1648	1537	1446	1420	1425	1442	1454	1435	1411	1402	1426	1493	1593	1678	1786		
20	1849	1722	1597	1514	1490	1532	1580	1622	1637	1610	1560	1507	1446	1454	1535	1648	1725		
25	1834	1709	1563	1506	1580	1667	1697	1688	1677	1675	1670	1630	1532	1442	1489	1612	1749		
30	1889	1705	1542	1578	1682	1709	1673	1641	1625	1626	1640	1657	1618	1497	1458	1595	1759		
35	1922	1702	1567	1661	1743	1692	1619	1574	1554	1557	1580	1627	1661	1579	1479	1596	1792		
40	1976	1727	1623	1750	1749	1638	1538	1476	1448	1456	1494	1565	1651	1655	1526	1610	1852		
45	2040	1751	1680	1782	1708	1542	1402	1318	1282	1294	1350	1458	1599	1669	1579	1628	1912		
50	2122	1785	1725	1765	1589	1367	1192	1091	1048	1065	1135	1276	1469	1631	1611	1651	1981		
55	2211	1805	1714	1629	1358	1093	905	807	769	784	849	1006	1237	1505	1586	1672	2062		
60	2307	1792	1586	1358	993	727	586	532	511	518	552	661	881	1230	1469	1636	2134		
65	2383	1657	1273	888	561	424	383	380	377	376	374	392	498	778	1162	1513	2207		
70	2373	1296	734	437	308	291	288	289	285	285	281	280	287	387	663	1198	2217		
75	1739	668	290	216	201	195	185	175	166	171	177	184	188	198	257	590	1620		
80	606	185	124	114	104	98.6	86.4	80.4	73.1	77.2	80.4	89.7	93.3	101	110	156	516		
85	96.6	77.4	56.0	43.6	36.0	31.2	27.5	25.3	21.4	23.7	25.1	27.4	31.1	38.5	51.1	71.8	88.5		
90	68.3	55.0	36.5	23.1	15.8	11.6	8.62	6.19	4.20	5.97	8.40	11.5	15.8	23.6	37.8	57.8	73.5		
95	63.5	51.6	34.8	22.7	15.9	12.1	9.24	6.88	5.29	6.71	9.12	12.1	16.2	23.4	36.2	54.3	68.5		
100	50.1	41.6	29.4	20.4	15.3	4.87	9.82	7.70	6.56	7.62	9.84	12.4	15.8	21.4	31.1	44.8	55.8		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.480m [K=1.0000]
Remarks: