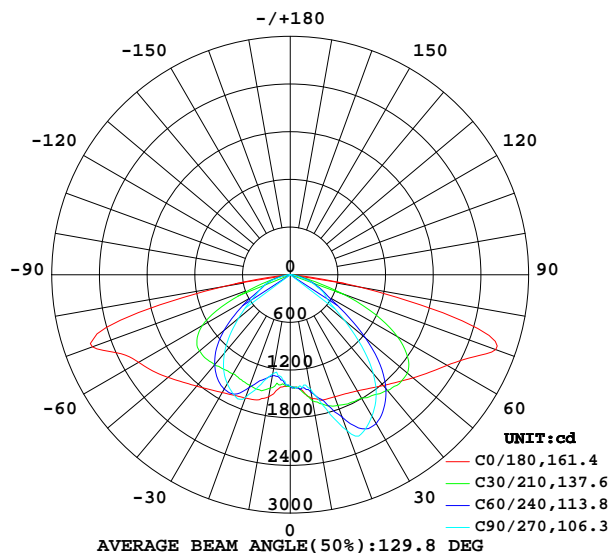
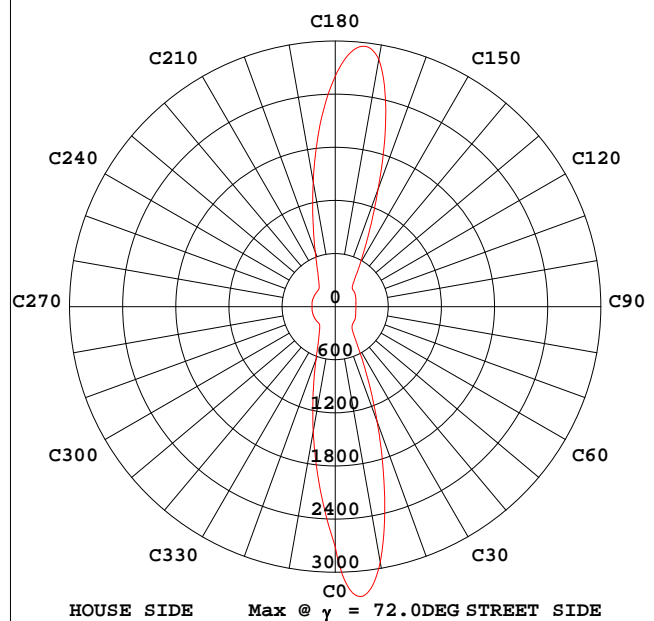


STREETLIGHT PHOTOMETRIC TEST REPORT

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 2M 3030	Imax(cd)	2930	η street_up(%)	0.2
NOMINAL POWER(W)	56	LOR(%)	100.0	η street_down(%)	55.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	6440	η house_up(%)	0.2
NOMINAL FLUX(lm)	6440	MAXIMUM @(C, γ)	10,72.0	η house_down(%)	44.6
LAMPS INSIDE	1	η up(%)	0.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	99.5	SLI	23.625

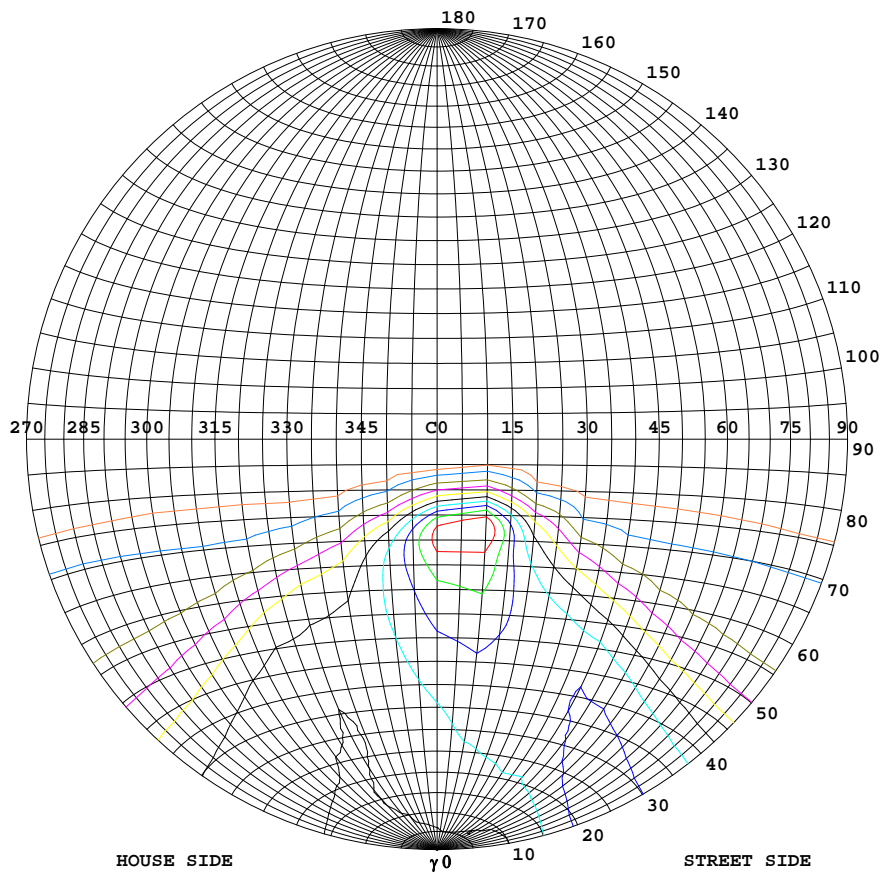
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:



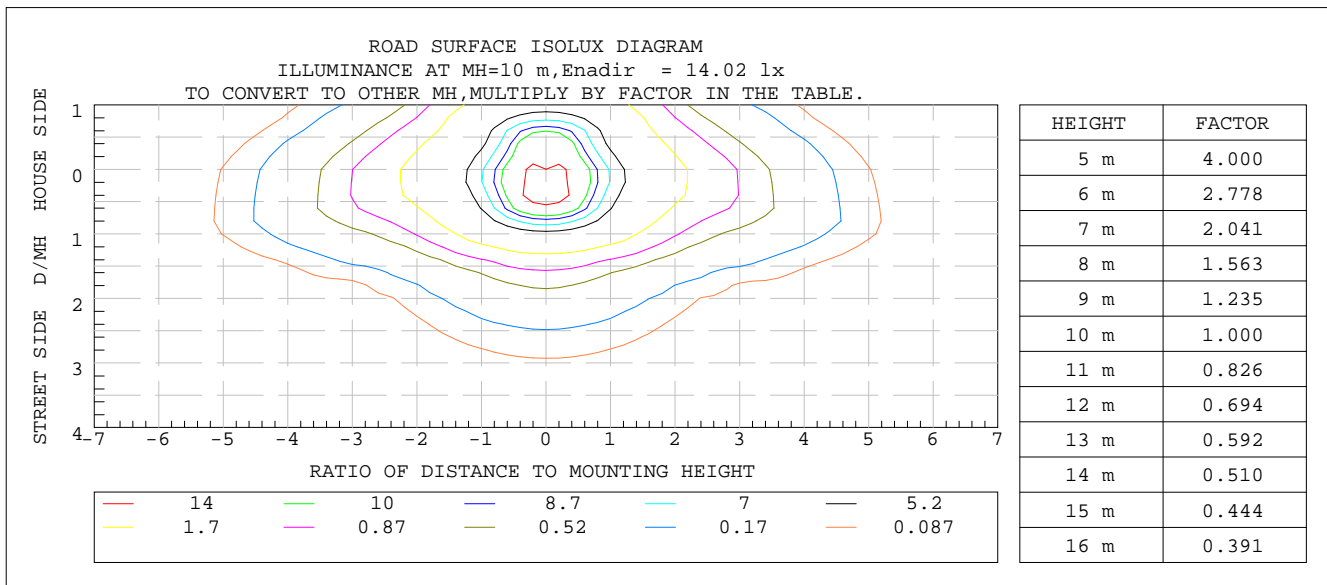
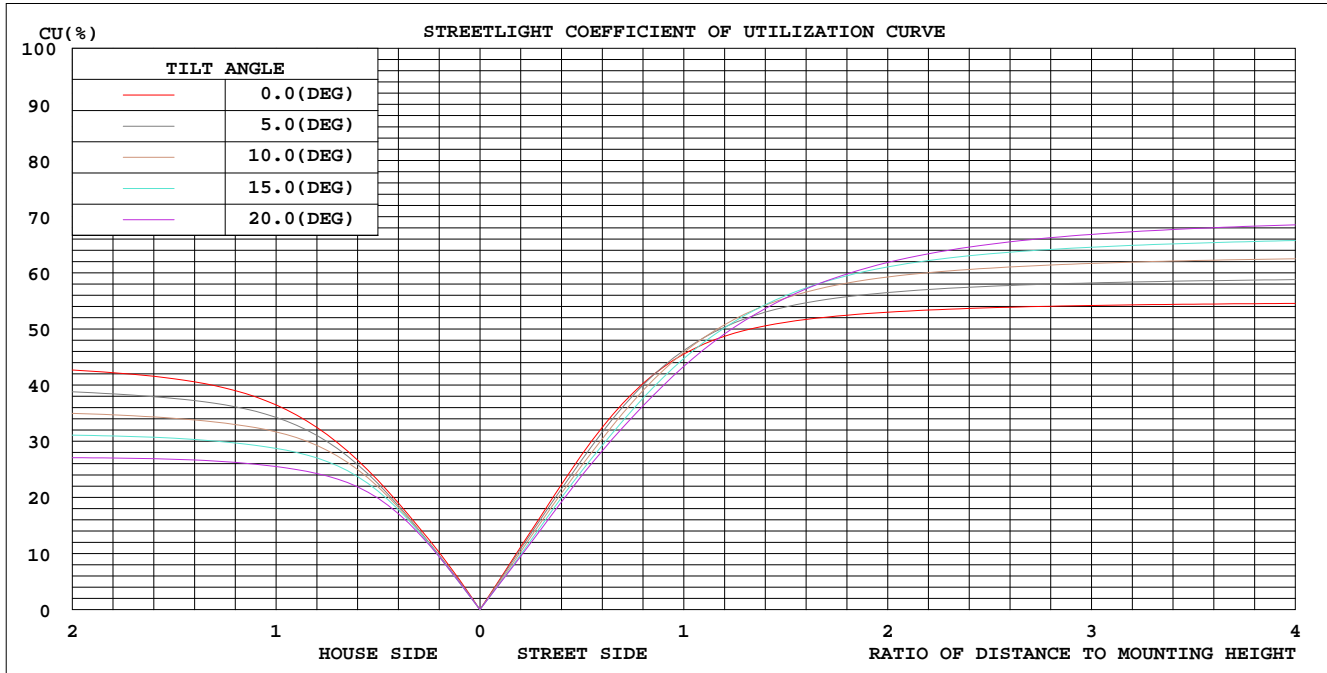
Classification:

IES:Type I - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:178.3cd/klm
 Max.At90:11.98cd/klm
 Max.80-90:178.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2930
90%	2637
80%	2344
70%	2051
60%	1758
50%	1465
40%	1172
30%	879
20%	586
10%	293
5%	147

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:

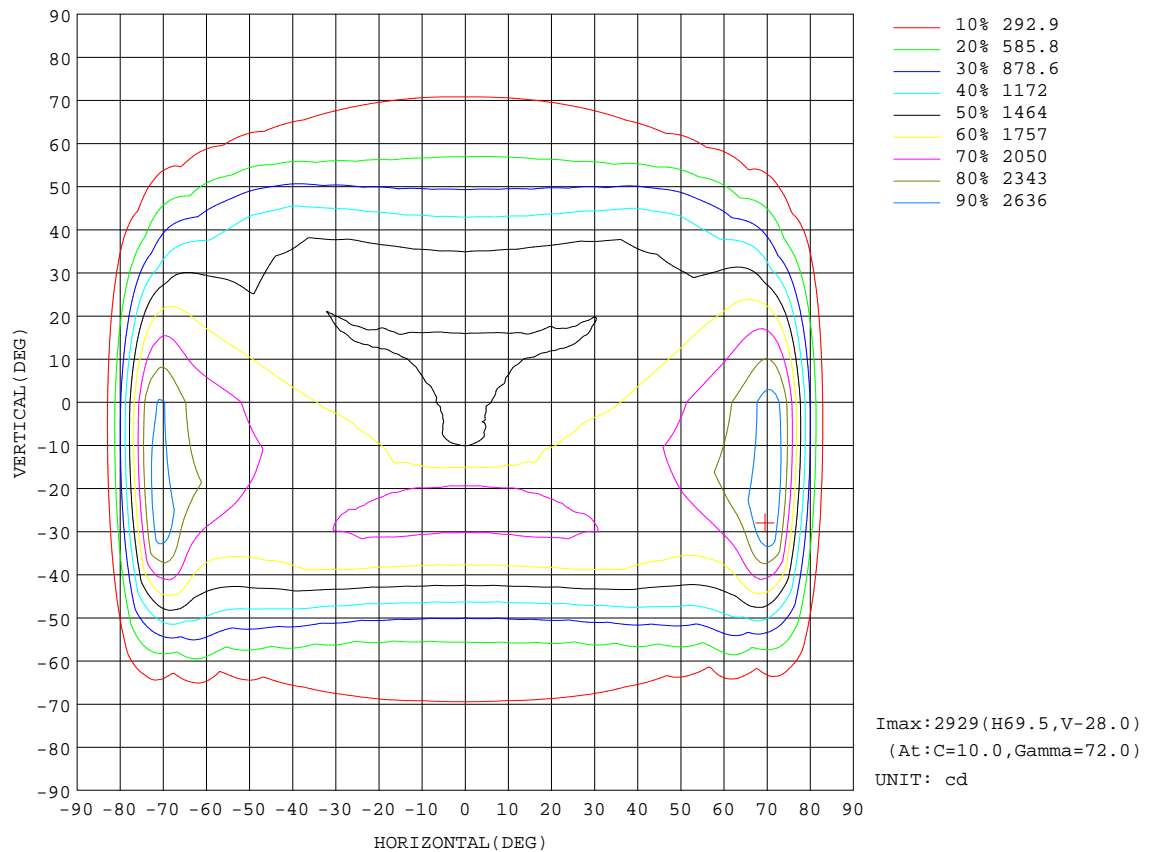
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1583	1542	1457	1518	1558	1366	1267	1376	0- 10	135.3	135.3	2.1,2.1
20	1635	1771	2085	1768	1651	1441	1639	1435	10- 20	450.3	585.5	9.09,9.09
30	1689	2033	2055	2043	1712	1581	1585	1584	20- 30	814.3	1400	21.7,21.7
40	1820	2046	1627	2044	1831	1596	1290	1601	30- 40	1094	2494	38.7,38.7
50	2019	1681	886.0	1683	2009	1389	846.7	1370	40- 50	1216	3710	57.6,57.6
60	2280	936.6	504.3	959.3	2203	870.7	496.3	842.3	50- 60	1131	4841	75.2,75.2
70	2753	347.9	281.2	356.4	2650	331.4	311.4	322.0	60- 70	932.1	5773	89.6,89.6
80	869.6	98.82	64.88	106.8	849.1	106.7	75.96	99.07	70- 80	556.7	6330	98.3,98.3
90	4.967	22.22	4.102	21.76	5.667	19.78	4.242	19.44	80- 90	81.01	6411	99.5,99.5
100	6.990	19.26	6.413	18.79	7.769	18.86	6.662	18.81	90-100	27.91	6439	100,100
110	0	0	0	0	0	0	0	0	100-110	1.214	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

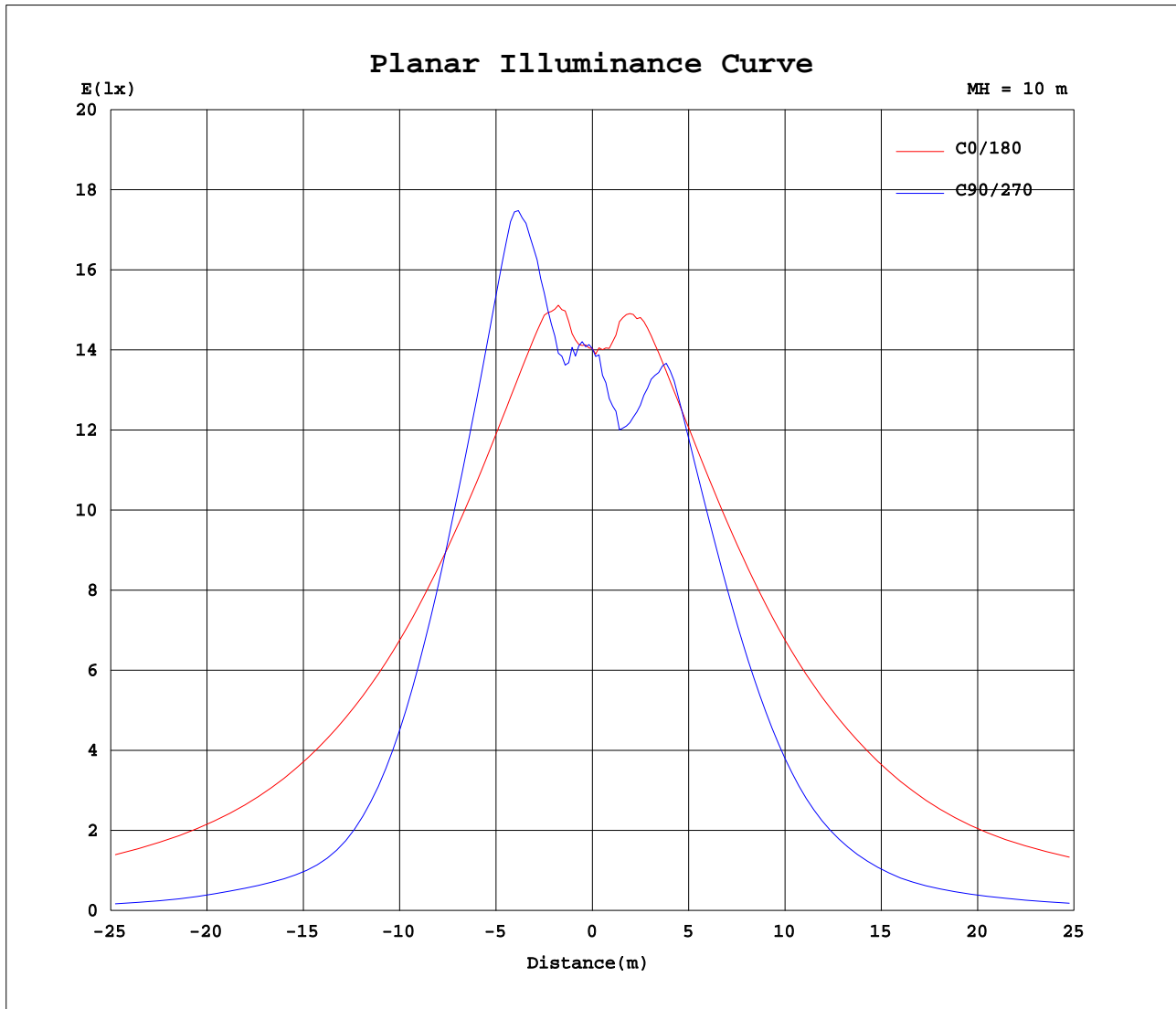
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



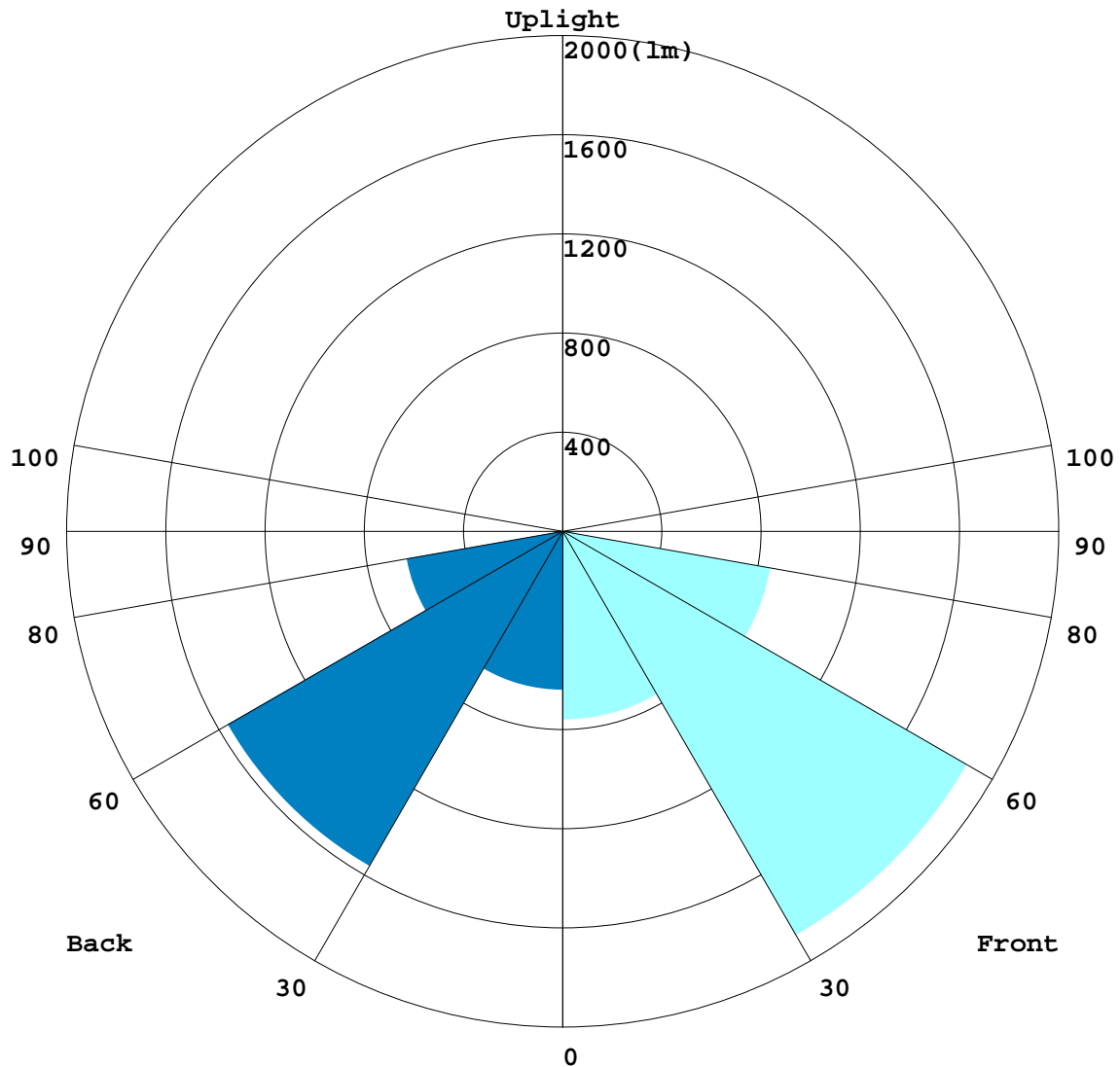
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	759.94	11.8
FM - Front-Medium(30-60)	1881.9	29.2
FH - Front-High(60-80)	850	13.2
FVH - Front-Very High(80-90)	47.81	0.7
Total Forward Light	3554.9	55.2

BL - Back-Low(0-30)	639.87	9.9
BM - Back-Medium(30-60)	1559.4	24.2
BH - Back-High(60-80)	638.75	9.9
BVH - Back-Very High(80-90)	33.204	0.5
Total Back Light	2885	44.8

UL - Uplight-Low(90-100)	27.913	0.4
UH - Uplight-High(100-180)	1.2143	0.0
Total Up Light	29.127	0.5

BUG(Back,Up,Glare) Rating	B2-U2-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2871.2	13.831	2885
Street Side	3539.6	15.296	3554.9

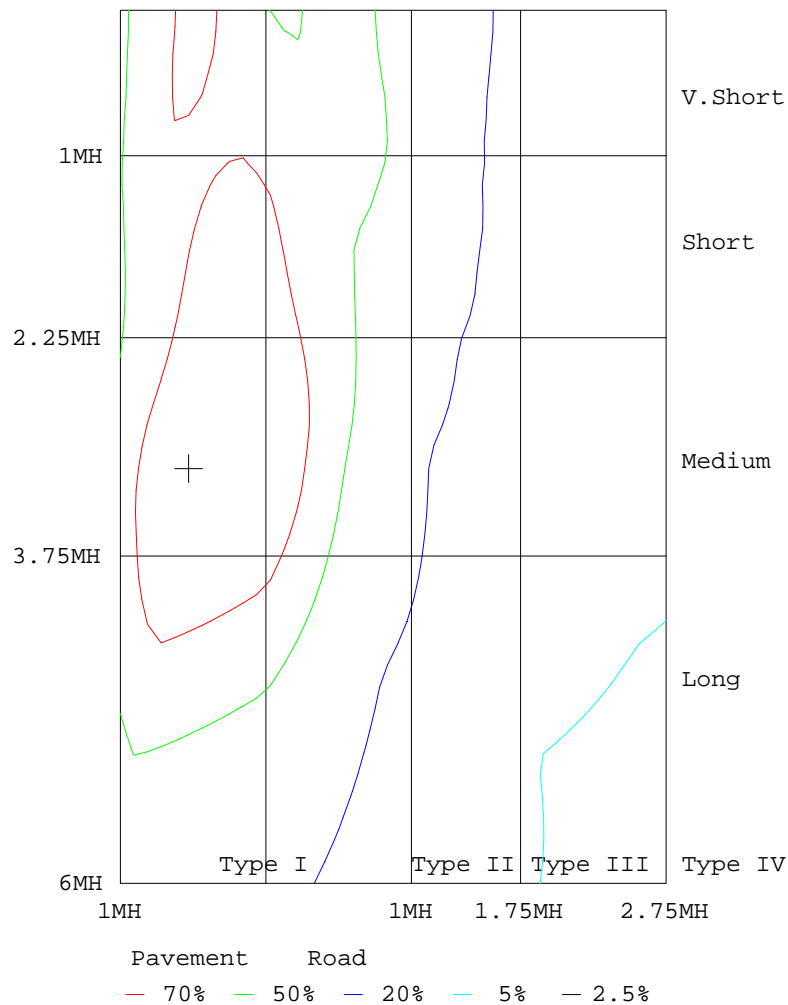
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	1404	1406	1399	1405	1398	1406	1400	1405	1399	1403	1400	1402	1401	1401	1402	1399	1401	1400	1404
5	1442	1466	1464	1451	1457	1434	1450	1434	1418	1401	1408	1427	1446	1427	1448	1436	1435	1449	1420
10	1583	1592	1608	1609	1565	1520	1501	1480	1466	1457	1464	1466	1481	1488	1548	1593	1594	1573	1558
15	1629	1675	1709	1699	1694	1651	1648	1692	1735	1751	1730	1694	1646	1641	1679	1694	1709	1684	1632
20	1635	1726	1733	1750	1742	1800	1903	2001	2074	2085	2074	1999	1913	1799	1737	1751	1746	1748	1651
25	1653	1729	1770	1777	1819	1978	2139	2189	2185	2179	2185	2194	2149	2000	1827	1781	1783	1739	1674
30	1689	1798	1819	1793	1942	2124	2164	2112	2068	2055	2068	2112	2165	2132	1954	1801	1828	1812	1712
35	1745	1852	1864	1843	2026	2125	2053	1964	1903	1885	1901	1962	2051	2127	2036	1855	1862	1849	1764
40	1820	1929	1903	1903	2063	2028	1873	1743	1652	1627	1653	1740	1869	2021	2068	1913	1900	1917	1831
45	1909	2016	1952	1940	1993	1836	1600	1425	1307	1273	1308	1424	1599	1834	1993	1940	1936	1996	1911
50	2019	2117	1961	1925	1831	1532	1231	1037	916	886	918	1037	1233	1535	1831	1924	1956	2093	2009
55	2141	2237	1963	1803	1525	1138	839	686	620	605	614	682	845	1150	1544	1796	1957	2201	2112
60	2280	2368	1912	1557	1129	744	557	518	505	504	501	505	549	757	1161	1582	1909	2292	2203
65	2482	2526	1782	1181	703	477	426	400	388	388	389	396	418	474	740	1227	1763	2385	2352
70	2753	2830	1541	702	374	322	304	293	282	281	283	295	303	323	390	769	1541	2667	2650
75	2242	2569	998	273	219	203	189	174	159	158	161	177	194	209	226	309	1080	2560	2212
80	870	1073	249	127	105	93.0	84.8	76.7	68.5	64.9	69.2	78.7	88.8	99.1	114	136	291	1148	849
85	84.8	134	83.1	58.8	39.8	30.2	24.0	21.8	18.8	17.1	19.3	23.0	25.9	32.6	42.4	61.8	87.3	141	68.2
90	4.97	77.0	66.4	44.6	27.1	17.3	12.0	8.57	5.92	4.10	5.93	8.62	12.0	17.1	26.4	43.2	64.6	77.2	5.67
95	5.91	69.7	60.0	41.0	25.7	17.3	12.4	9.20	6.61	5.19	6.60	9.19	12.4	17.0	25.2	39.9	58.8	70.2	6.51
100	6.99	55.2	47.8	33.5	22.3	16.2	12.4	9.71	7.42	6.41	7.37	9.63	12.2	15.9	21.7	32.2	45.6	53.6	7.77
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)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
γ (DEC)																			
0	1406	1399	1405	1398	1406	1400	1405	1399	1403	1400	1402	1401	1401	1402	1399	1401	1400		
5	1439	1406	1392	1363	1339	1330	1306	1281	1293	1291	1298	1336	1341	1351	1388	1413	1427		
10	1530	1487	1449	1397	1335	1292	1274	1262	1267	1261	1283	1302	1344	1409	1446	1484	1528		
15	1626	1553	1501	1432	1377	1372	1386	1411	1428	1410	1387	1371	1385	1433	1497	1548	1617		
20	1619	1552	1479	1438	1445	1510	1573	1619	1639	1621	1576	1518	1444	1426	1475	1543	1572		
25	1602	1539	1458	1452	1559	1658	1686	1679	1672	1681	1689	1664	1566	1450	1452	1522	1597		
30	1623	1529	1437	1520	1642	1663	1626	1595	1585	1598	1629	1668	1648	1521	1438	1515	1603		
35	1626	1510	1454	1569	1642	1596	1523	1478	1461	1479	1525	1597	1650	1583	1457	1513	1623		
40	1648	1506	1482	1605	1587	1479	1376	1315	1290	1311	1371	1473	1586	1616	1485	1514	1670		
45	1680	1492	1495	1572	1477	1313	1180	1104	1074	1100	1168	1295	1461	1579	1512	1507	1711		
50	1711	1479	1492	1485	1293	1086	940	869	847	870	932	1065	1266	1474	1510	1500	1756		
55	1731	1459	1434	1306	1033	816	707	664	654	669	709	808	1002	1287	1444	1496	1802		
60	1739	1407	1278	1023	719	566	499	495	496	502	510	563	695	989	1287	1424	1833		
65	1736	1229	953	644	447	398	397	404	407	407	403	403	434	611	940	1237	1844		
70	1611	868	519	355	308	307	310	313	311	313	310	307	306	338	500	849	1656		
75	1013	386	232	216	207	204	191	180	172	178	186	198	201	207	219	362	967		
80	287	133	121	111	102	97.0	88.2	82.6	76.0	81.0	85.4	91.9	95.8	102	111	121	268		
85	86.8	70.1	52.1	40.3	33.5	29.4	26.8	24.2	20.7	23.2	25.0	26.7	30.0	36.6	48.1	65.0	80.2		
90	67.6	53.5	36.1	23.4	16.1	11.9	8.81	6.30	4.24	5.98	8.35	11.4	15.7	23.1	35.7	53.2	67.9		
95	62.8	50.6	34.8	23.4	16.6	12.5	9.50	7.03	5.34	6.75	9.15	12.2	16.4	23.1	34.3	50.0	62.9		
100	49.6	41.4	30.1	21.5	16.2	12.8	10.2	7.93	6.66	7.69	9.95	12.7	16.2	21.5	29.9	41.5	51.2		
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: