



IES ROAD REPORT
PHOTOMETRIC FILENAME : XLCW-S-LED-HO-NW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-6643
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/26/15
[TEST DATE]02/26/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XLCW-S-LED-HO-NW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]4856

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4856
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1845
Maximum Candela Angle	85H 5V
Maximum Candela (<90 Degrees Vertical)	1845
Maximum Candela Angle (<90 Degrees Vertical)	85H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	223 (4.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	739.3	N.A.	15.2
FM - Front-Medium (30-60)	1434.4	N.A.	29.5
FH - Front-High (60-80)	384.9	N.A.	7.9
FVH - Front-Very High (80-90)	68.6	N.A.	1.4
BL - Back-Low (0-30)	741.3	N.A.	15.3
BM - Back-Medium (30-60)	1266.5	N.A.	26.1
BH - Back-High (60-80)	213.8	N.A.	4.4
BVH - Back-Very High (80-90)	7.3	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4856.1	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796
2.5	1768	1764	1766	1767	1779	1789	1801	1814	1827	1835
5.0	1773	1769	1771	1772	1783	1793	1805	1817	1829	1837
7.5	1777	1773	1774	1775	1786	1795	1806	1817	1829	1836
10.0	1779	1774	1776	1777	1788	1796	1807	1816	1827	1834
12.5	1777	1773	1775	1776	1786	1794	1805	1814	1824	1828
15.0	1772	1768	1769	1770	1781	1789	1800	1808	1817	1821
17.5	1762	1757	1759	1760	1771	1780	1791	1800	1807	1810
20.0	1743	1740	1742	1743	1756	1766	1778	1787	1795	1797
22.5	1719	1716	1718	1720	1734	1747	1760	1771	1780	1781
25.0	1690	1687	1690	1692	1707	1722	1738	1751	1759	1761
27.5	1658	1653	1656	1658	1674	1690	1710	1723	1735	1735
30.0	1619	1615	1618	1621	1638	1651	1673	1690	1704	1706
32.5	1573	1570	1574	1577	1595	1609	1629	1651	1668	1671
35.0	1521	1519	1522	1525	1538	1560	1582	1604	1626	1630
37.5	1467	1464	1467	1470	1482	1504	1529	1553	1578	1585
40.0	1407	1406	1408	1409	1422	1444	1471	1497	1525	1536
42.5	1341	1339	1341	1342	1358	1377	1406	1437	1467	1479
45.0	1273	1268	1271	1273	1287	1310	1338	1371	1403	1419
47.5	1199	1194	1197	1199	1214	1234	1262	1299	1331	1352
50.0	1114	1116	1119	1122	1135	1157	1186	1218	1253	1278
52.5	794	815	901	986	1054	1073	1100	1132	1173	1192
55.0	649	648	649	649	827	989	1015	1046	1087	1105
57.5	597	597	598	598	604	786	918	953	991	1009
60.0	542	541	544	547	548	556	821	854	891	909
62.5	490	488	490	492	491	500	526	750	783	799
65.0	424	428	430	431	433	441	444	644	673	689
67.5	278	277	276	274	338	374	385	392	563	571
70.0	266	263	262	260	253	261	319	325	453	466
72.5	252	252	250	248	240	228	239	270	319	370
75.0	242	240	239	237	228	215	197	214	214	279
77.5	234	232	230	228	218	203	184	160	167	197
80.0	223	222	221	219	210	195	174	148	125	112
82.5	214	212	210	207	196	183	165	138	106	78
85.0	211	210	208	205	194	177	154	128	97	60
87.5	205	204	202	199	188	172	150	121	89	52
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85</u>	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>
0.0	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796
2.5	1844	1836	1830	1827	1821	1816	1800	1786	1776	1763
5.0	1845	1837	1831	1829	1821	1816	1801	1786	1776	1763
7.5	1844	1836	1829	1828	1820	1815	1799	1785	1776	1764
10.0	1841	1833	1826	1824	1817	1812	1798	1785	1776	1764
12.5	1835	1827	1820	1819	1812	1809	1796	1782	1774	1761
15.0	1827	1818	1812	1810	1805	1804	1791	1777	1769	1758
17.5	1816	1807	1800	1799	1795	1795	1782	1770	1764	1754
20.0	1802	1794	1786	1786	1783	1782	1772	1762	1760	1752
22.5	1784	1776	1769	1769	1766	1767	1759	1755	1755	1749
25.0	1763	1755	1748	1749	1746	1750	1747	1745	1746	1740
27.5	1738	1730	1723	1725	1723	1729	1731	1731	1732	1725

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CANDELA TABULATION - (Cont.)

30.0	1708	1699	1692	1695	1694	1705	1710	1710	1712	1706
32.5	1672	1664	1654	1659	1661	1677	1683	1684	1686	1682
35.0	1630	1623	1613	1619	1624	1643	1651	1651	1655	1653
37.5	1584	1572	1567	1575	1584	1606	1614	1615	1618	1613
40.0	1531	1522	1517	1527	1543	1564	1573	1574	1573	1571
42.5	1475	1465	1458	1475	1496	1518	1528	1524	1525	821
45.0	1410	1396	1388	1413	1444	1467	1475	1473	789	780
47.5	1332	1315	1307	1340	1389	1409	1418	833	750	743
50.0	1252	1240	1234	1261	1321	1351	1289	759	675	94
52.5	1174	1165	1161	1184	1252	1281	768	699	87	76
55.0	1091	1080	1080	1111	1178	1210	707	157	68	47
57.5	990	977	978	1034	1101	898	461	127	38	11
60.0	878	871	871	942	1020	714	237	94	7	1
62.5	762	759	775	838	935	529	198	59	5	0
65.0	647	642	650	742	764	360	154	51	3	0
67.5	534	529	541	638	600	296	125	43	2	0
70.0	422	417	427	530	456	225	104	36	1	0
72.5	323	316	328	427	338	161	81	27	0	0
75.0	240	228	240	343	255	109	48	22	0	0
77.5	164	155	162	256	180	73	19	15	0	0
80.0	103	93	100	165	104	44	9	2	0	0
82.5	55	39	46	83	45	16	5	1	0	0
85.0	29	15	13	28	15	6	2	0	0	0
87.5	18	6	3	4	3	1	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

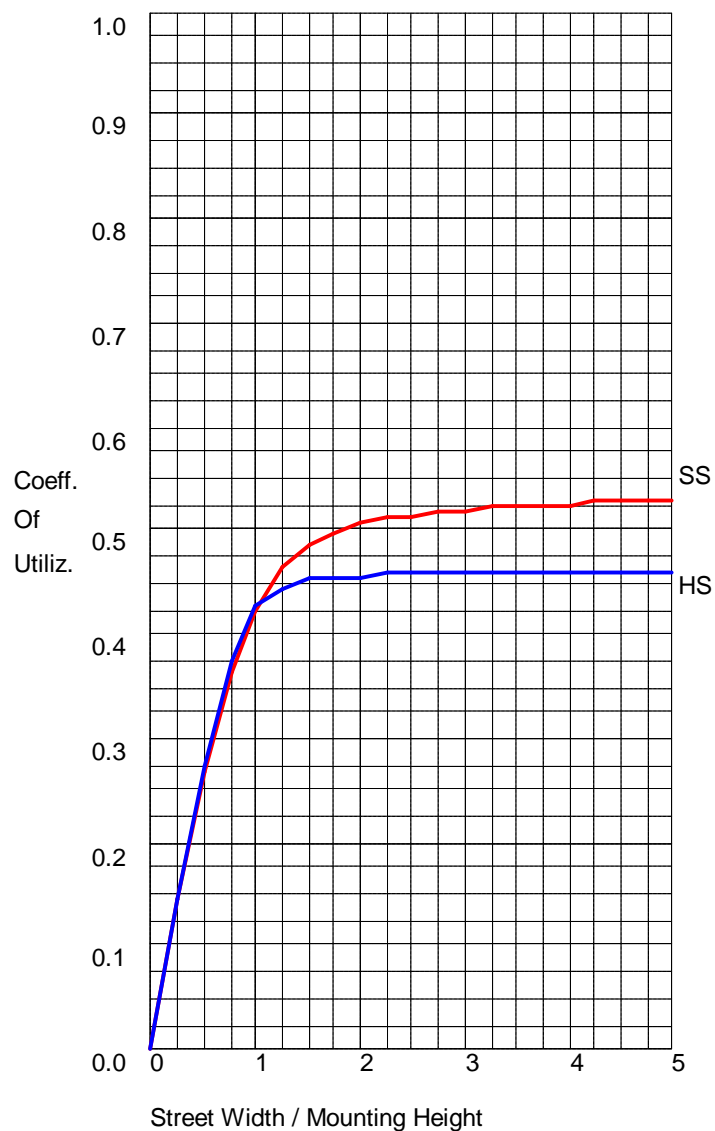
	175	180
0.0	1796	1796
2.5	1756	1757
5.0	1756	1757
7.5	1756	1757
10.0	1757	1758
12.5	1754	1755
15.0	1751	1753
17.5	1748	1750
20.0	1748	1749
22.5	1743	1745
25.0	1735	1736
27.5	1720	1722
30.0	1701	1704
32.5	1678	1680
35.0	1649	1652
37.5	1608	1610
40.0	1565	1568
42.5	810	814
45.0	774	777
47.5	723	724
50.0	88	88
52.5	67	66
55.0	35	34
57.5	1	1
60.0	0	0
62.5	0	0
65.0	0	0

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CANDELA TABULATION - (Cont.)

67.5	0	0
70.0	0	0
72.5	0	0
75.0	0	0
77.5	0	0
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

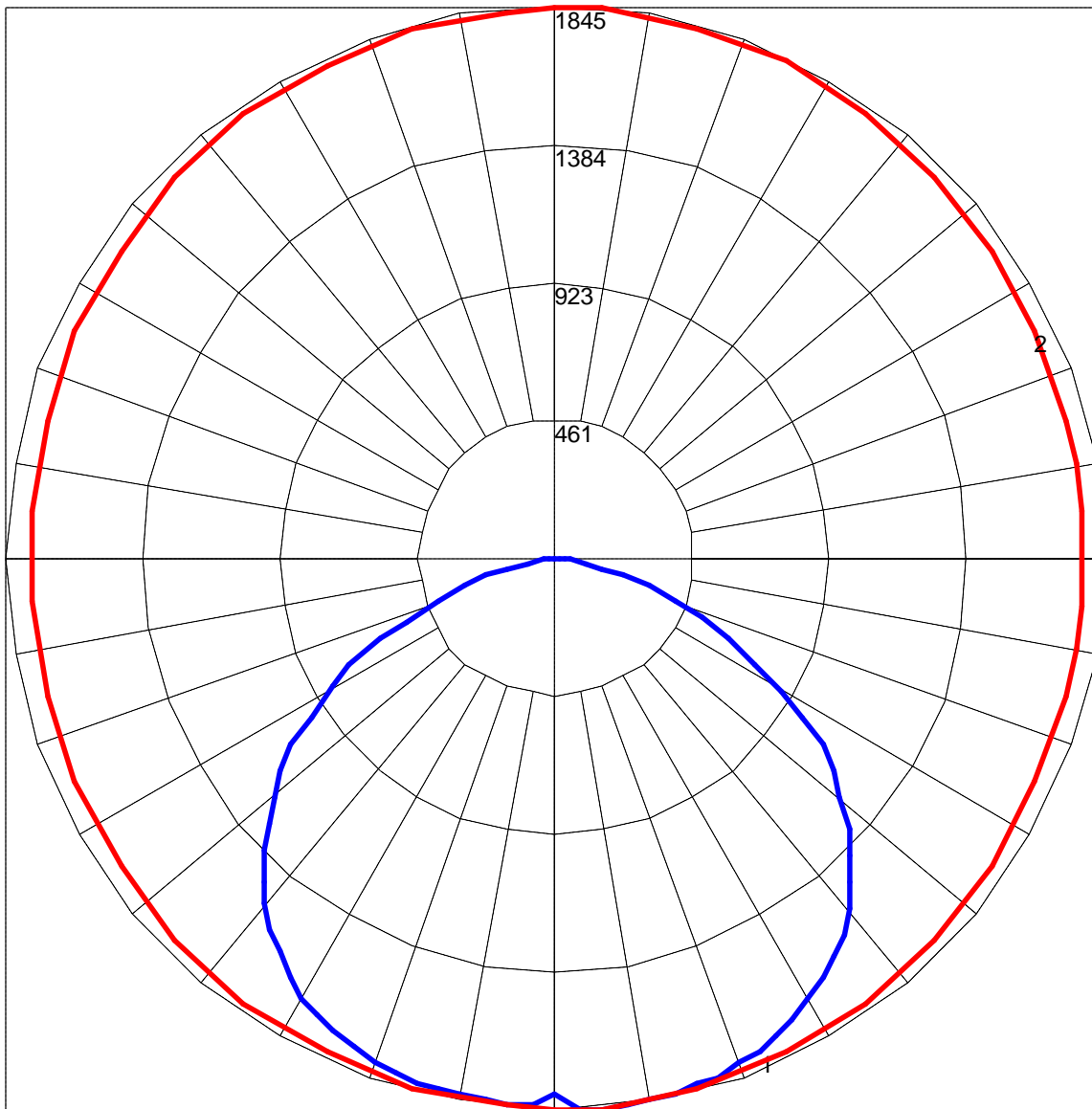
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

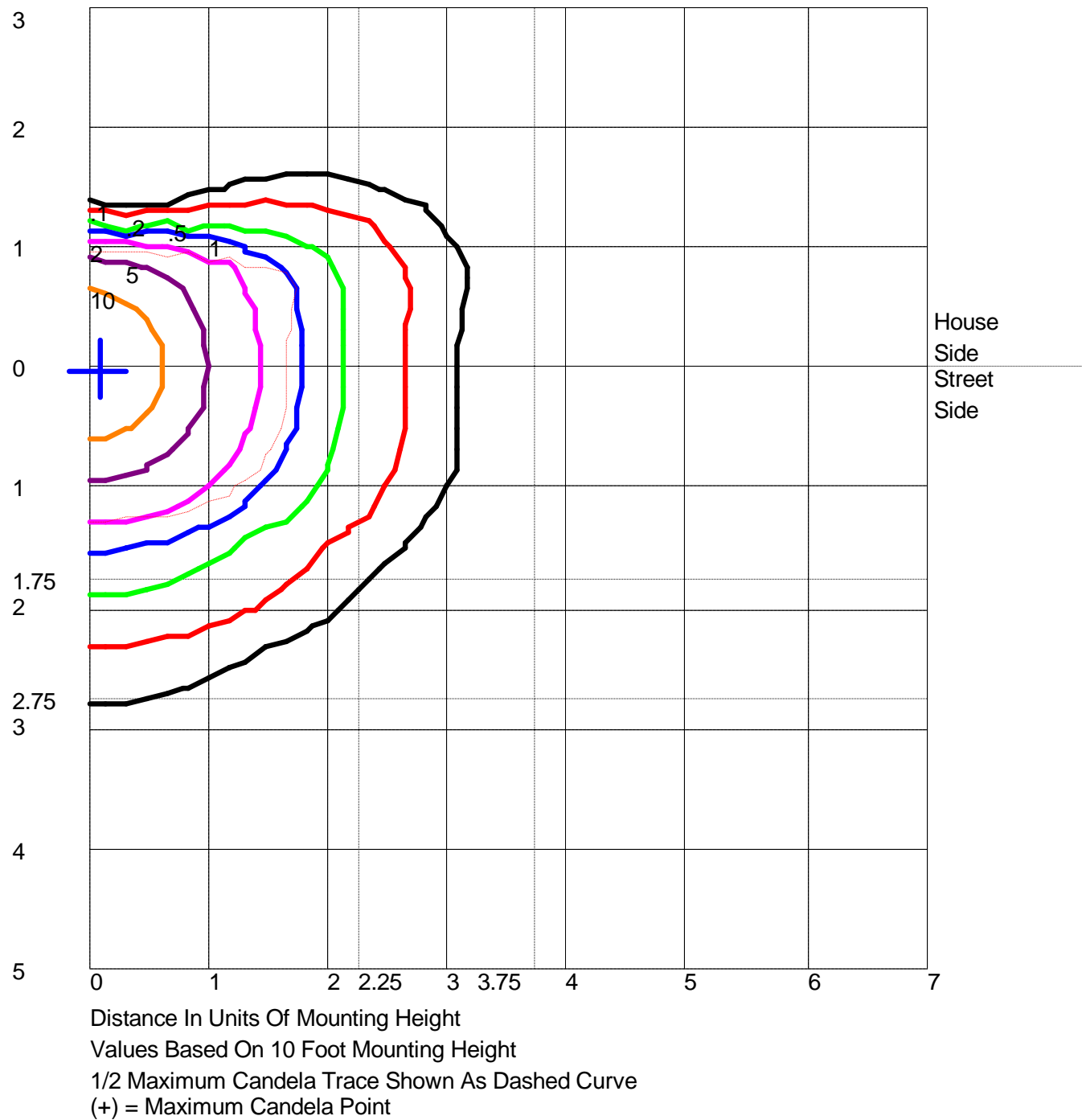
	Lumens	Percent Of Luminaire
Downward Street Side	2627.2	54.1
Downward House Side	2228.9	45.9
Downward Total	4856.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4856.1	100.0

POLAR GRAPH

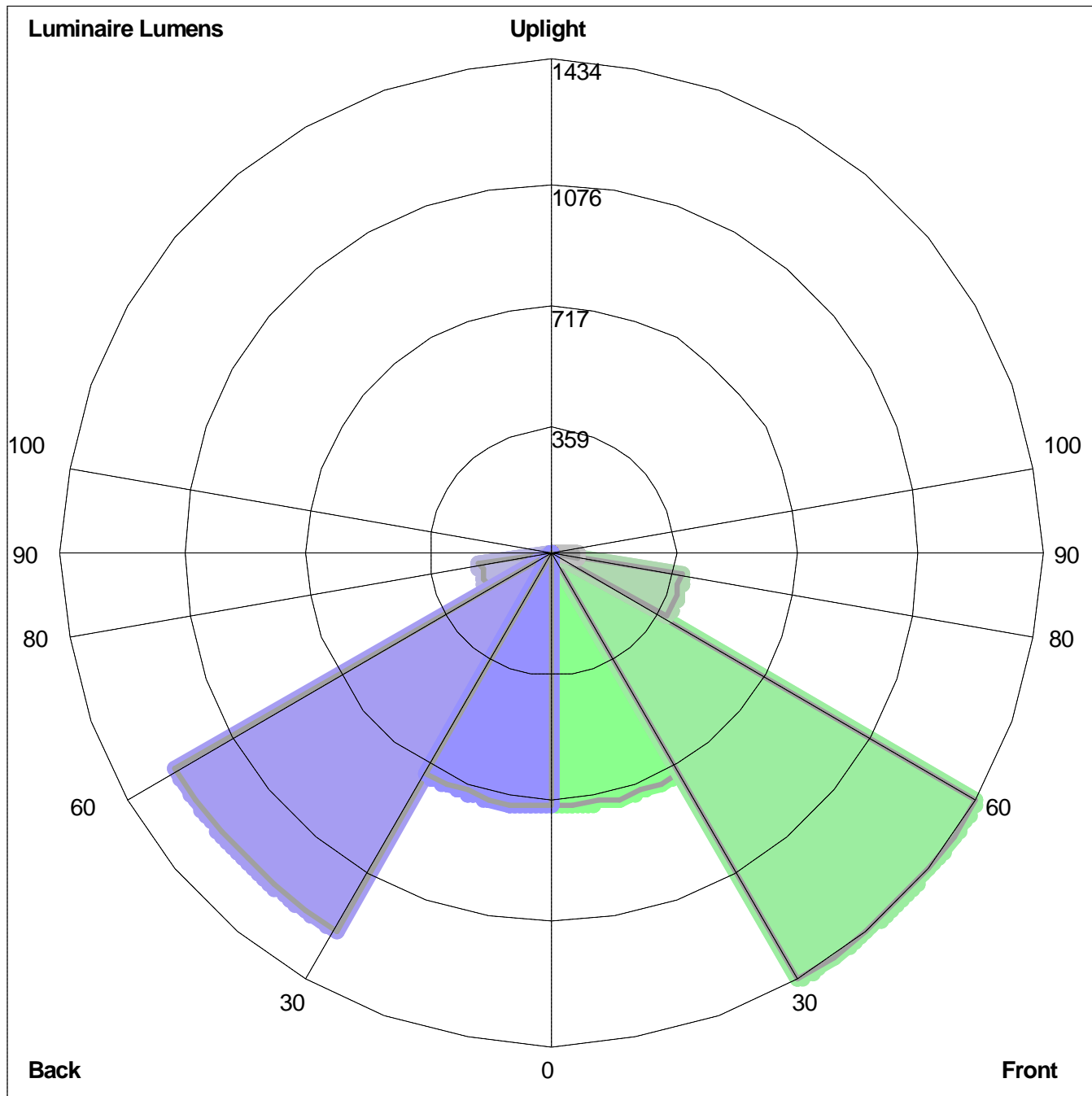


Maximum Candela = 1845 Located At Horizontal Angle = 85, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (85 - 265) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=739.3, Medium=1434.4, High=384.9, Very High=68.6
Back: Low=741.3, Medium=1266.5, High=213.8, Very High=7.3
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1