



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WW-LED-48-350-NW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3081
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/23/12
[TEST DATE]03/23/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WW-LED-48-350-NW-UE
[LEDDRIVER]ELECTRONIC LED DRIVER
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4881
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	55
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2157
Maximum Candela Angle	65H 37.5V
Maximum Candela (<90 Degrees Vertical)	2157
Maximum Candela Angle (<90 Degrees Vertical)	65H 37.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	8 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	743.7	N.A.	15.2
FM - Front-Medium (30-60)	1596.4	N.A.	32.7
FH - Front-High (60-80)	98.6	N.A.	2.0
FVH - Front-Very High (80-90)	2.0	N.A.	0.0
BL - Back-Low (0-30)	743.7	N.A.	15.2
BM - Back-Medium (30-60)	1596.4	N.A.	32.7
BH - Back-High (60-80)	98.6	N.A.	2.0
BVH - Back-Very High (80-90)	2.0	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4881.4	N.A.	100.0
BUG Rating	B2-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	1738	1738	1738	1738	1738	1738	1738	1738	1738	1738
2.5	1717	1713	1719	1718	1728	1730	1744	1754	1760	1761
5.0	1702	1699	1706	1702	1714	1718	1731	1739	1746	1748
7.5	1686	1684	1691	1686	1697	1704	1716	1727	1733	1734
10.0	1674	1673	1679	1679	1687	1696	1708	1717	1724	1724
12.5	1669	1667	1674	1676	1684	1692	1702	1710	1719	1719
15.0	1670	1667	1673	1676	1685	1691	1702	1711	1719	1719
17.5	1680	1676	1683	1684	1691	1700	1711	1718	1725	1724
20.0	1698	1695	1702	1704	1708	1729	1728	1732	1736	1735
22.5	1746	1742	1749	1745	1750	1758	1759	1764	1762	1758
25.0	1804	1801	1810	1817	1816	1818	1814	1819	1810	1801
27.5	1844	1843	1859	1875	1890	1884	1882	1878	1862	1851
30.0	1855	1855	1880	1911	1940	1941	1937	1931	1911	1897
32.5	1858	1863	1909	1956	1989	1997	1999	1998	1970	1951
35.0	1878	1883	1927	2015	2055	2062	2083	2093	2046	2012
37.5	1889	1894	1955	2032	2081	2102	2139	2157	2087	2047
38.0	1850	1857	1935	2024	2060	2096	2139	2155	2079	2040
40.0	1707	1714	1803	1952	1972	2031	2070	2091	1999	1964
42.5	1477	1476	1515	1651	1753	1791	1834	1847	1726	1700
45.0	1260	1258	1275	1370	1444	1510	1546	1563	1438	1426
47.5	1108	1109	1121	1204	1225	1318	1353	1382	1266	1261
50.0	1008	1008	1028	1103	1116	1130	1233	1264	1161	1152
52.5	913	912	940	1012	1008	985	1117	1153	1069	1052
55.0	784	784	835	918	892	871	954	1040	986	951
57.5	659	659	697	777	765	765	778	916	901	848
60.0	509	514	547	558	556	577	577	700	720	674
62.5	255	257	270	278	257	278	280	341	360	346
65.0	75	71	74	83	84	89	91	100	99	93
67.5	47	44	44	44	47	53	48	50	53	55
70.0	29	26	25	24	27	36	28	27	31	33
72.5	17	15	16	15	17	27	19	17	19	21
75.0	11	10	11	10	12	17	14	11	12	13
77.5	8	7	8	8	9	10	11	9	9	9
80.0	6	5	6	6	6	7	7	7	7	7
82.5	4	4	4	5	5	5	5	6	5	5
85.0	3	4	4	4	3	3	3	4	4	4
87.5	3	3	3	3	3	3	2	3	3	3
90.0	0	0	0	0	0	0	0	0	0	0

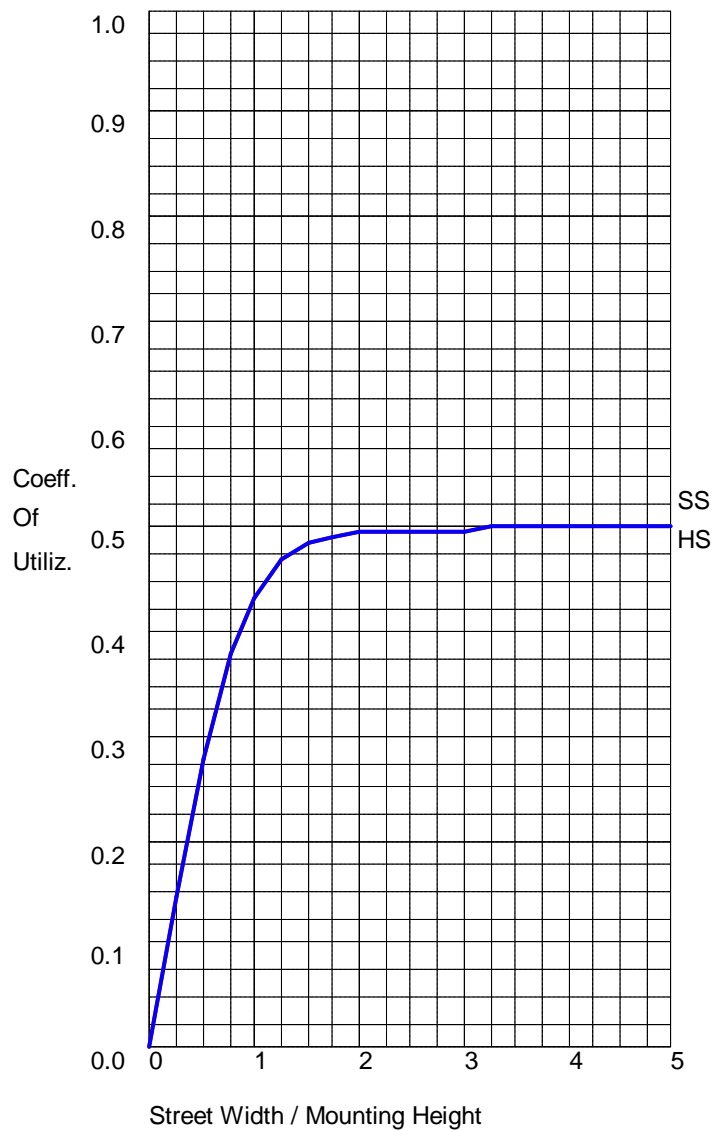
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	1738
2.5	1757
5.0	1745
7.5	1731
10.0	1721
12.5	1716
15.0	1717
17.5	1721
20.0	1731
22.5	1756
25.0	1798

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CANDELA TABULATION - (Cont.)

27.5	1848
30.0	1895
32.5	1950
35.0	2009
37.5	2046
38.0	2041
40.0	1966
42.5	1703
45.0	1433
47.5	1264
50.0	1155
52.5	1056
55.0	956
57.5	852
60.0	671
62.5	341
65.0	96
67.5	59
70.0	37
72.5	24
75.0	15
77.5	11
80.0	8
82.5	5
85.0	4
87.5	3
90.0	0

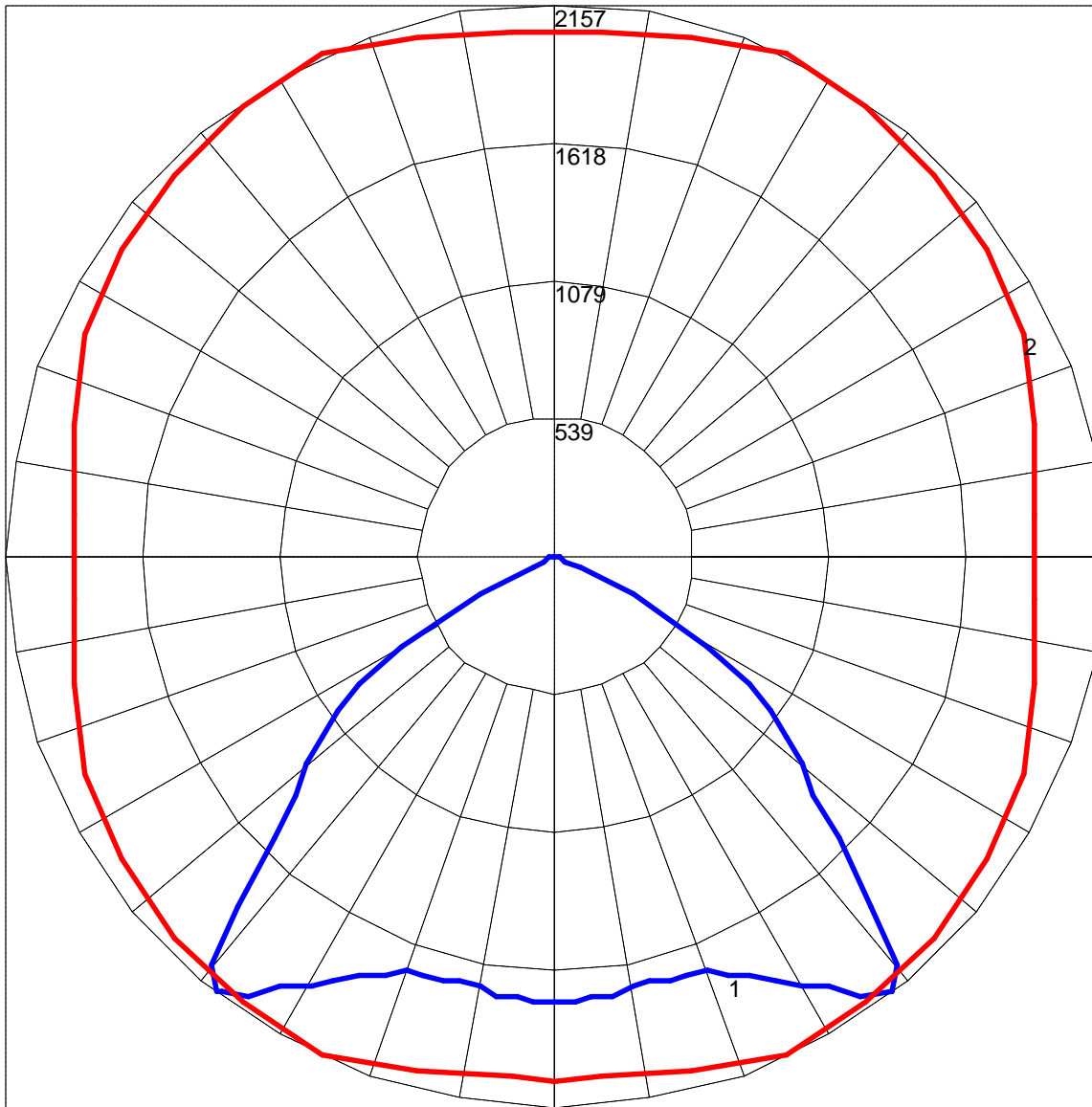
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

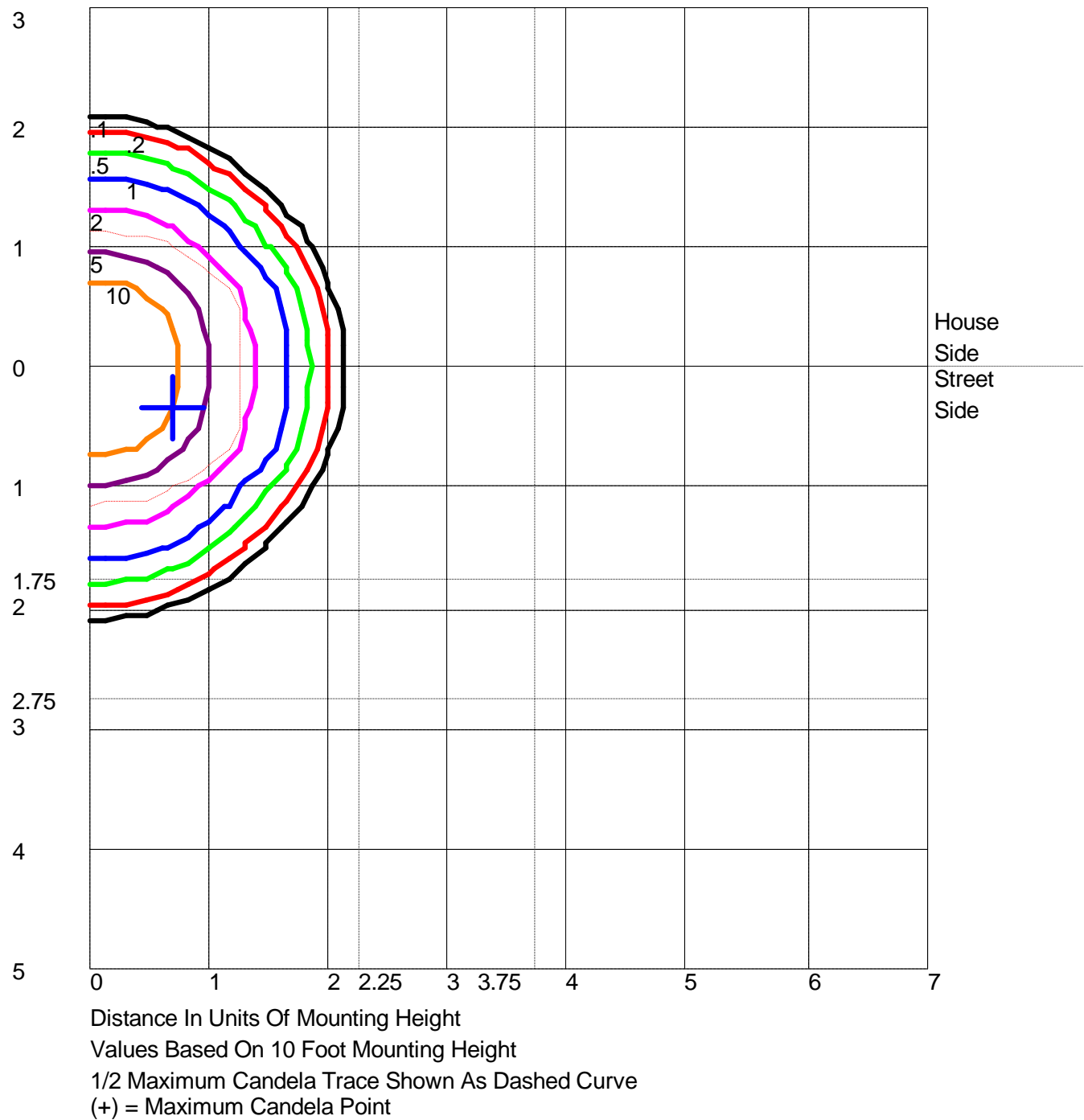
	Lumens	Percent Of Luminaire
Downward Street Side	2440.7	50.0
Downward House Side	2440.7	50.0
Downward Total	4881.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4881.4	100.0

POLAR GRAPH

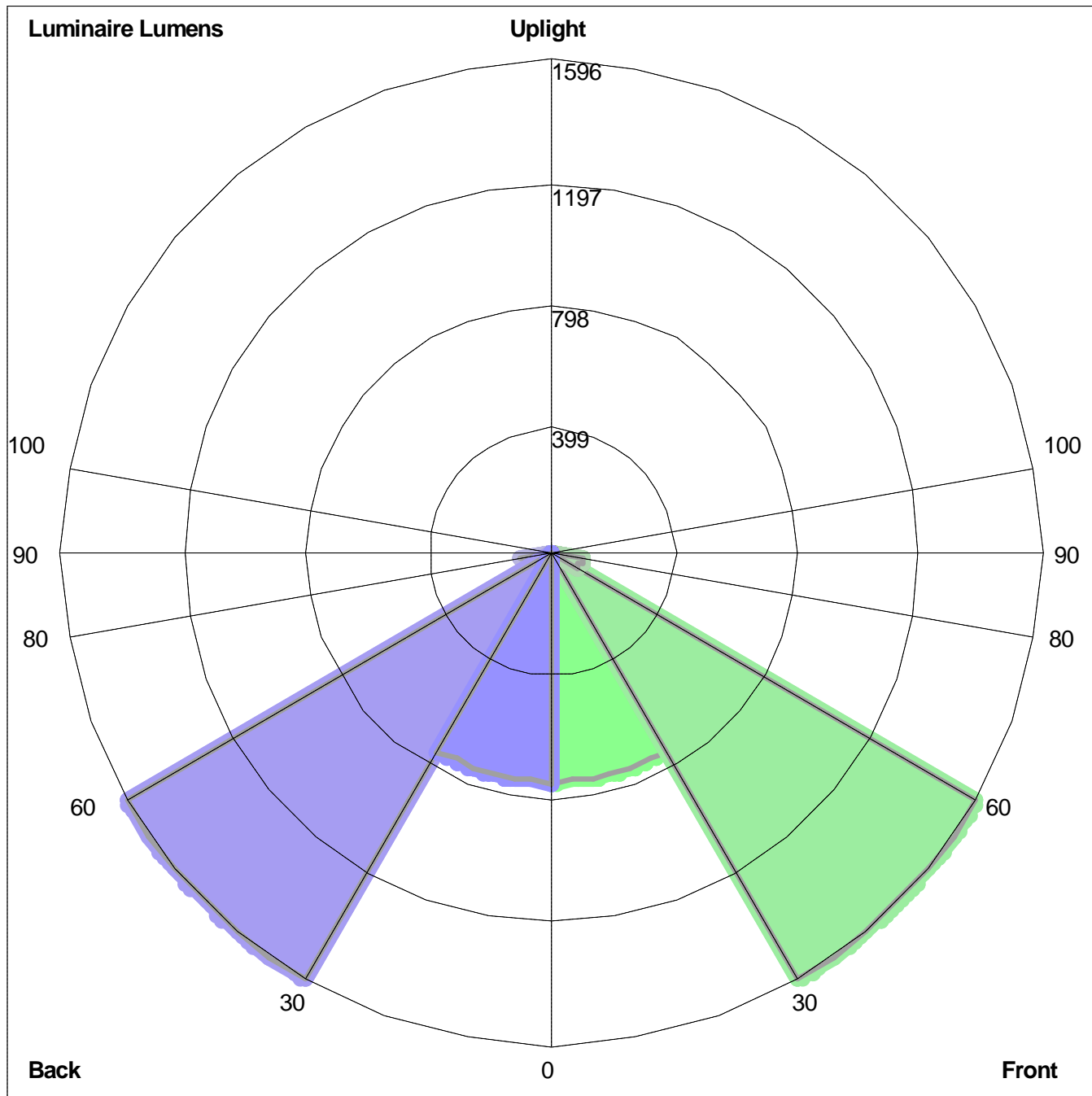


Maximum Candela = 2157 Located At Horizontal Angle = 65, Vertical Angle = 37.5
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (37.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=743.7, Medium=1596.4, High=98.6, Very High=2.0
Back: Low=743.7, Medium=1596.4, High=98.6, Very High=2.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0