



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WSC MD F UV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Standard-Tech Co., Ltd.

[TESTDATE] 2015-09-01

[ISSUEDATE] 2015-09-01 21:08:48

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC

[LUMINAIRE] WSC MD F UV 840

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	193.09	193.09	3.77	3.77
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[OTHER]	10- 20	555.93	749.02	14.61	14.61
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[OTHER]	20- 30	846.27	1595.29	31.12	31.12
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[OTHER]	30- 40	1005.21	2600.49	50.73	50.73
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[OTHER]	40- 50	1018.16	3618.66	70.59	70.59
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[OTHER]	50- 60	836.49	4455.15	86.90	86.90
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[OTHER]	60- 70	473.38	4928.53	96.14	96.14
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[OTHER]	70- 80	167.31	5095.84	99.40	99.40
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[OTHER]	80- 90	22.92	5118.76	99.85	99.85
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[OTHER]	90-100	0.00	5118.76	99.85	99.85
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[OTHER]	100-110	0.10	5118.87	99.85	99.85
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[OTHER]	110-120	0.54	5119.40	99.86	99.86
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[OTHER]	120-130	1.11	5120.51	99.88	99.88
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[OTHER]	130-140	1.58	5122.09	99.91	99.91
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[OTHER]	140-150	1.63	5123.72	99.94	99.94
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[OTHER]	150-160	1.46	5125.18	99.97	99.97
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[OTHER]	160-170	1.00	5126.18	99.99	99.99
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[OTHER]	170-180	0.40	5126.58	100.00	100.00
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[OTHER]

### CHARACTERISTICS

IES Classification

Type II

Longitudinal Classification

Very Short

Lumens Per Lamp

N.A. (absolute)

Total Lamp Lumens

N.A. (absolute)

Luminaire Lumens

5126

Downward Total Efficiency

N.A. (absolute)

Total Luminaire Efficiency

N.A. (absolute)

Luminaire Efficacy Rating (LER)

104

Total Luminaire Watts

49.4

Ballast Factor

1.00

Upward Waste Light Ratio

0.00

Maximum Candela

2054.88

Maximum Candela Angle

315H 3V

Maximum Candela (<90 Degrees Vertical)

2054.88

Maximum Candela Angle (<90 Degrees Vertical)

315H 3V

Maximum Candela At 90 Degrees Vertical

0 (0.0% Luminaire Lumens)

Maximum Candela from 80 to <90 Degrees Vertical

95.78 (1.9% Luminaire Lumens)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	817.6	N.A.	15.9
FM - Front-Medium (30-60)	1581.4	N.A.	30.8
FH - Front-High (60-80)	395.7	N.A.	7.7
FVH - Front-Very High (80-90)	14.7	N.A.	0.3
BL - Back-Low (0-30)	777.6	N.A.	15.2
BM - Back-Medium (30-60)	1278.4	N.A.	24.9
BH - Back-High (60-80)	244.9	N.A.	4.8
BVH - Back-Very High (80-90)	8.2	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	7.8	N.A.	0.2
Total	5126.3	N.A.	100.0
BUG Rating	B2-U1-G1		

**IES ROAD REPORT**  
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**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	2039.50	2039.50	2039.50	2039.50	2039.50	2039.50	2039.50	2039.50	2039.50	2039.50
1	2044.77	2042.77	2045.18	2042.20	2039.25	2036.37	2033.11	2032.76	2033.46	2033.41
2	2048.50	2044.91	2046.83	2044.66	2037.88	2032.58	2028.05	2029.87	2028.96	2028.66
3	2053.13	2044.90	2045.65	2044.78	2035.30	2031.15	2023.32	2024.35	2025.35	2023.09
4	2052.40	2047.19	2044.12	2043.04	2030.41	2028.21	2017.75	2018.96	2019.53	2020.89
5	2048.91	2048.88	2040.38	2042.28	2028.14	2024.23	2013.09	2012.80	2011.91	2011.49
6	2047.15	2048.87	2037.87	2045.15	2027.92	2023.23	2001.59	2004.30	2002.66	2004.34
7	2045.36	2048.38	2038.33	2043.60	2028.00	2020.83	1993.89	1994.74	1994.99	1996.19
8	2045.24	2044.61	2037.75	2042.79	2025.66	2017.71	1990.41	1985.59	1986.11	1987.61
9	2046.87	2038.55	2035.19	2039.79	2021.34	2010.94	1987.24	1973.69	1975.42	1978.35
10	2044.24	2035.87	2034.74	2032.85	2014.16	2003.86	1984.29	1965.30	1965.70	1966.78
11	2040.69	2030.47	2031.30	2026.22	2005.66	1994.11	1980.64	1957.50	1957.01	1955.36
12	2034.89	2029.20	2023.40	2020.11	1997.64	1984.45	1974.15	1948.91	1947.00	1944.30
13	2033.44	2026.23	2017.11	2009.97	1988.42	1971.50	1964.68	1940.22	1934.73	1934.12
14	2028.58	2021.74	2010.20	2000.64	1982.02	1958.51	1954.36	1930.54	1922.37	1924.22
15	2020.03	2018.20	2001.71	1995.20	1976.15	1950.64	1943.80	1920.72	1908.11	1913.36
16	2011.83	2012.85	1994.49	1988.87	1970.14	1941.20	1932.42	1904.19	1895.43	1903.78
17	2005.01	2007.57	1986.78	1981.54	1966.06	1930.11	1915.88	1891.41	1884.08	1893.18
18	1998.75	2001.37	1981.60	1971.97	1959.49	1921.08	1899.14	1879.44	1872.53	1879.27
19	1989.21	1995.55	1976.07	1959.66	1947.91	1910.11	1882.17	1865.92	1861.22	1863.72
20	1979.20	1985.47	1970.62	1948.34	1931.35	1896.38	1862.59	1851.46	1844.80	1849.50
21	1971.16	1972.32	1963.28	1938.70	1914.61	1883.43	1847.00	1829.51	1821.48	1832.25
22	1963.88	1959.84	1952.18	1927.56	1897.60	1866.16	1832.29	1808.25	1798.46	1810.99
23	1955.40	1948.21	1942.40	1917.88	1884.95	1849.32	1811.95	1786.78	1774.19	1786.07
24	1942.39	1936.35	1927.93	1904.80	1869.39	1834.94	1795.28	1766.21	1748.84	1761.29
25	1929.62	1922.84	1911.07	1890.80	1854.16	1817.86	1782.43	1744.59	1720.94	1737.15
26	1916.59	1905.77	1893.88	1876.25	1837.50	1797.51	1767.81	1715.61	1684.44	1710.14
27	1902.26	1887.39	1877.90	1863.32	1823.10	1779.44	1748.96	1686.12	1645.78	1678.38
28	1886.51	1863.96	1861.80	1850.49	1806.27	1760.30	1726.78	1654.14	1604.63	1644.01
29	1869.73	1843.55	1842.90	1835.49	1788.04	1744.25	1702.65	1617.80	1567.84	1605.62
30	1852.60	1828.35	1817.35	1815.47	1768.13	1725.29	1676.00	1580.44	1528.85	1562.51
31	1832.89	1813.95	1796.56	1792.11	1744.87	1706.89	1648.41	1543.10	1490.17	1523.19
32	1812.15	1800.23	1777.87	1768.39	1725.90	1684.83	1618.34	1503.75	1451.07	1484.15
33	1790.56	1784.04	1760.94	1742.72	1704.22	1663.30	1588.08	1466.54	1412.37	1444.42
34	1763.80	1766.36	1742.64	1724.21	1681.74	1640.48	1559.36	1425.02	1375.45	1407.43
35	1735.94	1746.23	1720.72	1702.30	1658.33	1618.63	1527.96	1384.24	1340.25	1373.47
36	1710.03	1725.11	1701.16	1677.29	1634.86	1596.52	1493.54	1346.37	1311.81	1339.00
37	1686.72	1703.24	1681.72	1654.04	1615.33	1575.46	1457.20	1312.24	1283.31	1304.60
38	1666.13	1681.69	1660.04	1629.65	1596.25	1550.97	1417.21	1279.07	1252.40	1270.92
39	1645.05	1657.35	1637.43	1608.11	1575.63	1525.79	1374.90	1247.69	1223.84	1237.97
40	1621.90	1634.06	1615.50	1585.78	1550.24	1495.68	1334.37	1215.67	1196.01	1205.45
41	1597.16	1609.16	1588.74	1563.08	1521.84	1467.19	1294.84	1184.46	1168.77	1173.00
42	1571.29	1580.58	1560.80	1538.56	1490.63	1439.09	1253.74	1153.64	1136.99	1144.97
43	1545.47	1551.14	1533.72	1510.22	1463.26	1408.35	1216.63	1122.76	1105.02	1116.48
44	1518.84	1521.72	1503.47	1481.57	1440.56	1377.32	1180.27	1092.41	1071.84	1087.13
45	1489.51	1490.73	1474.55	1454.90	1411.71	1343.52	1145.22	1063.82	1038.32	1053.28
46	1458.35	1457.28	1444.97	1428.54	1379.44	1311.72	1111.01	1031.90	1001.61	1021.03
47	1422.25	1424.68	1410.21	1400.18	1348.63	1277.91	1078.84	998.54	962.98	986.47
48	1385.47	1389.64	1377.61	1366.84	1317.96	1243.10	1044.82	965.05	922.95	950.13
49	1349.45	1353.86	1343.28	1330.99	1287.28	1207.29	1004.43	925.63	880.49	909.71
50	1309.87	1315.72	1306.94	1296.13	1253.52	1170.61	966.34	883.27	837.52	867.52
51	1268.81	1273.31	1271.52	1257.02	1218.53	1128.43	926.97	839.41	792.75	825.59
52	1223.18	1231.16	1236.43	1219.73	1182.49	1082.02	890.75	794.09	745.00	782.13

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**CANDELA TABULATION - (Cont.)**

53	1177.79	1187.03	1199.50	1182.50	1146.54	1040.00	850.08	749.54	697.46	738.86
54	1129.77	1142.80	1160.16	1146.49	1109.24	994.69	810.30	703.39	651.73	691.14
55	1076.81	1098.40	1117.48	1106.90	1072.89	949.08	768.15	656.62	604.85	643.68
56	1022.49	1049.56	1072.04	1066.25	1033.07	902.51	724.37	608.30	559.48	597.31
57	965.93	998.90	1025.39	1025.97	990.84	854.37	680.08	560.30	515.67	553.82
58	908.18	942.88	975.72	982.01	945.27	804.14	633.95	514.57	472.93	510.08
59	850.95	885.10	924.39	937.29	897.64	753.18	587.14	472.42	431.83	466.20
60	797.71	827.09	870.91	888.15	852.01	702.93	543.16	431.59	392.96	424.77
61	743.89	770.45	815.00	832.93	801.15	652.33	499.08	392.67	355.79	385.04
62	690.72	714.52	760.17	777.62	751.13	604.77	457.33	354.97	320.62	348.68
63	638.23	660.77	705.42	723.66	698.94	557.47	416.64	319.01	288.30	314.29
64	589.24	608.84	653.75	671.23	649.70	512.93	378.67	286.61	257.38	282.18
65	540.98	560.07	604.05	618.80	599.85	470.69	342.31	255.39	229.18	251.97
66	494.21	513.35	553.41	570.07	550.95	429.74	307.51	226.52	202.21	222.91
67	449.80	467.53	504.17	522.73	503.65	392.14	275.16	200.97	177.77	196.81
68	406.19	422.92	458.69	476.67	458.99	355.14	244.25	176.58	155.14	172.81
69	365.57	380.70	413.88	433.55	416.61	319.82	216.30	154.44	134.74	150.62
70	327.54	341.28	371.91	391.46	376.40	287.80	190.73	134.44	116.61	131.17
71	291.19	304.13	332.11	352.30	338.08	256.98	167.44	116.79	100.66	112.99
72	257.52	269.07	295.11	313.66	302.32	228.43	146.12	101.09	86.34	97.32
73	227.44	237.15	260.14	278.96	268.62	201.17	126.84	86.63	74.19	83.39
74	198.03	207.10	228.63	245.79	237.93	175.88	109.57	74.27	63.53	71.55
75	169.96	179.18	198.90	214.97	208.50	152.90	93.92	62.99	54.01	60.92
76	145.62	154.00	172.79	186.97	182.06	131.67	79.53	53.09	45.93	51.43
77	123.29	130.74	147.45	160.59	156.86	112.66	66.79	44.55	38.95	43.49
78	102.20	109.52	125.17	136.92	133.98	94.96	55.05	37.13	32.91	36.46
79	83.08	89.98	104.60	115.28	113.26	78.96	44.82	30.68	27.85	30.58
80	66.03	72.17	86.01	95.78	94.06	64.63	36.16	25.26	23.28	25.43
81	51.04	56.77	69.57	78.20	77.17	51.98	28.60	20.69	19.24	20.85
82	38.21	43.09	54.93	62.31	61.59	40.84	22.07	16.68	15.61	16.94
83	27.46	31.89	41.69	48.69	48.74	31.52	16.65	13.20	12.18	13.23
84	19.34	22.58	30.47	36.94	37.33	23.46	11.86	9.76	8.78	9.78
85	13.64	15.90	20.52	27.11	27.75	16.36	8.28	6.18	4.91	5.98
86	8.13	9.41	12.86	18.06	18.76	10.21	5.10	2.95	2.06	2.77
87	3.00	4.27	7.07	9.47	9.21	4.88	1.79	0.54	0.33	0.33
88	0.50	0.53	1.79	2.55	1.27	1.23	0.00	0.05	0.00	0.00
89	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.11	0.06	0.00	0.00	0.00	0.06
105	0.00	0.00	0.00	0.00	0.28	0.17	0.11	0.17	0.06	0.06
106	0.00	0.00	0.00	0.00	0.39	0.17	0.22	0.17	0.11	0.06
107	0.00	0.00	0.00	0.00	0.33	0.33	0.28	0.28	0.17	0.11
108	0.00	0.00	0.00	0.00	0.50	0.39	0.44	0.34	0.22	0.28

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**CANDELA TABULATION - (Cont.)**

109	0.00	0.00	0.00	0.00	0.66	0.44	0.45	0.50	0.39	0.34
110	0.00	0.00	0.00	0.00	0.72	0.55	0.50	0.56	0.45	0.45
111	0.00	0.00	0.00	0.00	0.77	0.66	0.56	0.61	0.45	0.39
112	0.00	0.00	0.00	0.05	0.83	0.72	0.67	0.61	0.45	0.39
113	0.00	0.00	0.00	0.22	0.99	0.72	0.61	0.72	0.73	0.45
114	0.00	0.00	0.00	0.33	1.05	0.94	0.67	0.67	0.89	0.78
115	0.00	0.00	0.00	0.39	1.05	1.05	0.84	0.67	0.84	0.78
116	0.00	0.00	0.00	0.39	1.05	1.05	0.95	0.78	1.00	0.78
117	0.00	0.00	0.00	0.39	1.22	1.16	1.00	0.78	1.01	0.84
118	0.00	0.00	0.00	0.45	1.32	1.16	1.11	0.84	1.12	0.84
119	0.00	0.00	0.00	0.61	1.32	1.27	1.06	0.89	1.17	0.84
120	0.00	0.00	0.05	0.61	1.32	1.38	1.06	1.06	1.23	1.01
121	0.00	0.00	0.17	0.72	1.38	1.33	1.44	1.34	1.18	1.23
122	0.27	0.05	0.38	0.94	1.49	1.49	1.39	1.45	1.45	1.45
123	0.39	0.17	0.33	1.17	1.55	1.60	1.50	1.61	1.57	1.56
124	0.50	0.33	0.39	1.23	1.66	1.60	1.56	1.67	1.90	1.67
125	0.50	0.33	0.44	1.28	1.77	1.71	1.61	1.78	1.84	1.67
126	0.56	0.39	0.39	1.28	1.82	1.77	1.67	1.89	2.01	1.84
127	0.61	0.39	0.50	1.39	1.93	1.88	1.72	1.90	2.07	2.06
128	0.67	0.50	0.50	1.45	1.99	1.93	1.72	2.12	2.23	2.01
129	0.78	0.56	0.77	1.50	2.10	1.88	1.84	2.28	2.29	2.18
130	1.00	0.61	0.72	1.56	2.21	1.99	2.00	2.34	2.34	2.40
131	1.06	0.94	0.78	1.56	2.32	2.10	2.06	2.34	2.46	2.51
132	1.12	1.06	0.94	1.56	2.37	2.21	2.28	2.50	2.51	2.62
133	1.34	1.23	1.11	1.67	2.43	2.26	2.33	2.73	2.57	2.73
134	1.34	1.23	1.17	1.67	2.60	2.27	2.34	2.79	2.74	2.79
135	1.39	1.39	1.28	1.73	2.65	2.43	2.39	2.95	2.90	2.84
136	1.40	1.34	1.33	1.73	2.71	2.43	2.39	3.01	2.91	2.85
137	1.45	1.39	1.28	1.78	2.81	2.49	2.39	3.12	3.01	2.90
138	1.51	1.45	1.34	1.84	2.81	2.54	2.39	3.12	3.07	2.96
139	1.56	1.45	1.34	1.90	2.82	2.65	2.45	3.12	3.18	2.96
140	1.62	1.56	1.39	1.95	2.87	2.71	2.45	3.17	3.13	3.18
141	1.67	1.67	1.34	2.01	3.03	2.76	2.45	3.23	3.13	3.12
142	1.78	1.78	1.34	2.06	2.98	2.88	2.56	3.23	3.13	3.13
143	1.84	1.90	1.34	2.12	3.09	2.98	2.56	3.34	3.13	3.18
144	1.84	2.06	1.45	2.23	3.15	3.04	2.72	3.34	3.13	3.12
145	2.06	2.12	1.56	2.23	3.15	3.04	2.73	3.29	3.24	3.29
146	2.28	2.17	1.61	2.29	3.15	3.09	2.83	3.51	3.35	3.35
147	2.45	2.23	1.78	2.29	3.15	3.09	2.84	3.51	3.46	3.35
148	2.51	2.34	2.10	2.29	3.15	3.10	2.89	3.51	3.52	3.41
149	2.62	2.29	2.17	2.34	3.15	3.21	3.01	3.56	3.52	3.51
150	2.68	2.29	2.12	2.45	3.15	3.37	3.17	3.62	3.52	3.46
151	2.68	2.40	2.33	2.56	3.15	3.37	3.28	3.56	3.63	3.52
152	2.73	2.40	2.50	2.62	3.15	3.42	3.39	3.62	3.74	3.57
153	3.06	2.56	2.72	2.62	3.15	3.42	3.45	3.73	3.79	3.57
154	3.01	2.62	2.78	2.62	3.15	3.53	3.56	3.79	3.79	3.57
155	3.07	2.73	2.95	2.73	3.15	3.48	3.56	3.90	3.79	3.57
156	3.12	2.79	3.06	2.84	3.15	3.48	3.56	3.84	3.80	3.63
157	3.07	3.01	3.06	2.95	3.15	3.48	3.72	3.84	3.85	3.68
158	3.07	3.07	3.17	2.96	3.15	3.48	3.67	3.84	4.02	3.74
159	3.07	3.07	3.17	2.96	3.20	3.48	3.67	3.84	4.02	3.74
160	3.12	3.18	3.17	2.96	3.26	3.48	3.67	3.90	4.07	3.79
161	3.13	3.23	3.17	2.96	3.20	3.42	3.67	3.90	4.07	3.90
162	3.24	3.18	3.17	2.96	3.31	3.42	3.78	3.90	4.07	3.90
163	3.18	3.18	3.23	2.96	3.32	3.42	3.72	3.90	4.07	3.90
164	3.18	3.18	3.28	2.96	3.64	3.42	3.72	3.90	4.07	3.90

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSC MD F UV 840.IES**

**CANDELA TABULATION - (Cont.)**

165	3.18	3.23	3.28	2.96	3.64	3.48	3.78	3.90	4.07	3.90
166	3.18	3.24	3.39	2.96	3.64	3.59	3.84	3.95	4.13	3.91
167	3.40	3.40	3.50	3.01	3.75	3.70	3.95	4.07	4.14	4.02
168	3.46	3.68	3.84	3.07	3.75	3.87	4.00	4.35	4.36	4.19
169	3.68	3.79	3.95	3.12	3.86	3.87	4.11	4.51	4.69	4.41
170	3.90	3.90	3.95	3.12	3.86	3.92	4.22	4.68	4.86	4.69
171	4.02	4.02	4.06	3.23	3.92	3.92	4.22	4.85	5.08	4.86
172	4.13	4.02	4.12	3.29	3.92	3.92	4.22	4.95	4.91	5.02
173	4.29	4.07	4.23	3.40	3.92	3.92	4.22	4.90	4.91	4.96
174	4.46	4.02	4.23	3.51	3.92	3.92	4.22	4.90	4.91	4.96
175	4.68	4.24	4.39	3.62	3.92	3.92	4.22	4.90	4.91	4.96
176	4.80	4.24	4.62	3.68	3.92	3.92	4.22	4.90	4.97	4.96
177	4.91	4.24	4.57	3.79	3.92	3.97	4.23	4.78	4.91	4.96
178	4.86	4.24	4.56	3.79	3.92	3.92	4.28	4.67	4.85	4.85
179	4.86	4.24	4.56	3.90	3.92	3.86	4.22	4.67	4.74	4.85
180	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85

**Vert. Angles**      **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	2039.50	2039.50	2039.50	2039.50	2039.50	2039.50	2039.50
1	2032.19	2037.81	2042.31	2041.97	2044.44	2042.72	2044.77
2	2028.87	2040.34	2045.92	2045.06	2050.67	2043.17	2048.50
3	2027.80	2037.40	2044.28	2046.56	2054.88	2046.88	2053.13
4	2021.56	2033.55	2039.54	2041.35	2053.66	2045.72	2052.40
5	2014.84	2030.03	2035.21	2035.73	2050.33	2045.14	2048.91
6	2010.92	2025.64	2028.12	2028.74	2046.62	2043.25	2047.15
7	2004.60	2021.66	2022.13	2022.62	2045.07	2040.71	2045.36
8	1998.33	2014.58	2015.07	2016.92	2040.14	2038.29	2045.24
9	1990.23	2008.10	2013.03	2009.14	2033.28	2035.09	2046.87
10	1980.21	2004.27	2006.76	2008.31	2029.71	2032.60	2044.24
11	1969.46	1996.00	2001.16	2003.60	2022.47	2032.93	2040.69
12	1959.26	1987.37	1993.61	2003.33	2013.27	2027.85	2034.89
13	1948.46	1977.60	1983.19	2003.49	2008.43	2019.35	2033.44
14	1932.20	1962.87	1976.75	1999.21	2003.23	2012.60	2028.58
15	1920.16	1951.33	1969.19	1991.18	1997.31	2004.88	2020.03
16	1909.10	1942.14	1960.66	1981.75	1992.80	1998.67	2011.83
17	1898.10	1933.45	1952.93	1970.46	1987.15	1989.49	2005.01
18	1882.32	1923.31	1942.45	1955.40	1981.58	1982.12	1998.75
19	1870.48	1909.89	1929.25	1942.66	1976.37	1974.63	1989.21
20	1857.49	1896.55	1916.81	1933.50	1969.40	1967.27	1979.20
21	1844.72	1879.17	1905.54	1920.54	1958.16	1955.22	1971.16
22	1829.69	1860.26	1891.83	1911.71	1946.08	1945.57	1963.88
23	1811.23	1841.27	1880.28	1898.82	1931.96	1937.90	1955.40
24	1791.33	1820.30	1867.49	1883.38	1915.75	1927.07	1942.39
25	1773.03	1803.32	1852.64	1869.73	1902.31	1916.95	1929.62
26	1752.66	1782.54	1834.63	1856.26	1889.84	1902.36	1916.59
27	1732.39	1763.07	1817.98	1842.59	1873.26	1890.22	1902.26
28	1712.37	1743.19	1797.49	1825.13	1853.81	1877.72	1886.51
29	1689.03	1726.85	1775.16	1804.93	1836.37	1861.58	1869.73
30	1662.30	1705.68	1753.61	1783.56	1818.95	1844.28	1852.60
31	1633.54	1685.86	1730.96	1762.43	1805.17	1825.81	1832.89
32	1604.42	1664.94	1711.63	1742.18	1788.29	1802.79	1812.15
33	1574.01	1644.62	1693.64	1722.68	1770.04	1780.17	1790.56
34	1542.09	1621.07	1673.17	1704.08	1747.42	1760.66	1763.80
35	1506.63	1598.17	1649.85	1686.59	1722.93	1738.75	1735.94

**IES ROAD REPORT**  
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**CANDELA TABULATION - (Cont.)**

36	1464.21	1575.79	1624.38	1664.68	1697.05	1717.34	1710.03
37	1425.43	1554.45	1604.43	1639.53	1673.48	1693.93	1686.72
38	1387.16	1529.06	1583.44	1613.32	1651.68	1667.15	1666.13
39	1349.22	1501.80	1556.92	1588.95	1626.35	1640.73	1645.05
40	1309.19	1471.51	1530.91	1563.51	1602.86	1618.36	1621.90
41	1270.71	1442.80	1503.91	1538.09	1580.13	1597.32	1597.16
42	1231.27	1416.43	1478.25	1513.80	1551.70	1572.73	1571.29
43	1194.03	1386.74	1450.81	1486.19	1524.43	1543.52	1545.47
44	1156.60	1355.81	1419.42	1456.03	1494.70	1512.49	1518.84
45	1119.70	1325.23	1386.57	1427.94	1467.23	1481.58	1489.51
46	1083.05	1295.38	1351.97	1400.58	1436.20	1446.87	1458.35
47	1049.00	1260.94	1318.84	1370.60	1406.28	1412.27	1422.25
48	1015.74	1221.47	1289.38	1340.61	1372.48	1377.29	1385.47
49	980.87	1180.58	1257.31	1307.38	1339.26	1341.65	1349.45
50	946.32	1138.83	1226.37	1273.22	1306.39	1305.78	1309.87
51	911.02	1098.97	1192.92	1238.87	1271.21	1268.12	1268.81
52	872.04	1055.53	1158.42	1200.15	1232.93	1226.09	1223.18
53	831.46	1012.34	1122.01	1160.62	1193.60	1181.15	1177.79
54	789.53	964.80	1080.85	1120.70	1150.20	1131.87	1129.77
55	749.89	917.65	1040.55	1078.48	1106.14	1082.49	1076.81
56	707.26	872.46	999.59	1038.01	1056.60	1031.50	1022.49
57	664.38	827.47	958.28	996.61	1004.96	977.82	965.93
58	621.73	780.66	915.29	950.55	952.33	921.10	908.18
59	576.18	732.77	871.92	901.81	897.22	864.53	850.95
60	530.72	683.24	825.75	850.17	843.58	808.20	797.71
61	486.80	634.19	775.84	796.96	787.28	752.30	743.89
62	445.89	586.99	722.72	745.20	734.00	697.73	690.72
63	406.29	540.61	669.48	692.96	679.46	645.61	638.23
64	368.78	497.37	619.65	642.20	627.02	594.07	589.24
65	333.08	456.20	572.35	593.93	577.21	545.01	540.98
66	298.42	417.64	527.18	547.25	529.56	498.47	494.21
67	266.55	380.58	483.25	501.61	483.58	453.25	449.80
68	236.06	344.85	440.88	457.37	438.95	410.97	406.19
69	208.60	310.53	400.05	416.05	397.19	369.70	365.57
70	183.67	279.20	361.75	376.53	356.92	331.29	327.54
71	160.18	249.31	325.65	339.45	318.56	294.68	291.19
72	139.67	221.00	290.89	304.61	284.03	260.96	257.52
73	120.92	194.65	258.62	271.04	251.10	230.18	227.44
74	104.34	170.21	228.30	239.88	221.09	201.11	198.03
75	89.39	147.92	200.29	210.66	193.32	174.85	169.96
76	75.81	127.57	174.68	184.08	168.29	150.57	145.62
77	63.81	109.05	150.68	158.73	144.75	128.35	123.29
78	52.85	92.20	129.12	135.63	123.20	107.76	102.20
79	43.46	76.90	108.89	114.48	103.27	88.70	83.08
80	35.17	63.15	90.94	95.39	85.20	71.37	66.03
81	28.15	50.66	74.27	78.20	69.13	56.02	51.04
82	22.21	39.69	59.63	62.85	54.40	42.53	38.21
83	16.79	30.62	46.79	49.54	41.46	31.13	27.46
84	12.32	22.74	35.75	38.12	29.99	21.72	19.34
85	8.62	15.72	26.08	27.93	19.53	15.20	13.64
86	5.00	9.92	16.64	18.23	11.97	8.68	8.13
87	1.47	4.87	6.10	8.10	6.02	3.65	3.00
88	0.00	0.92	0.62	1.04	0.62	0.51	0.50
89	0.00	0.00	0.00	0.01	0.00	0.00	0.01
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSC MD F UV 840.IES**

**CANDELA TABULATION - (Cont.)**

92	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.11	0.00	0.00	0.00	0.00	0.00
104	0.00	0.22	0.00	0.00	0.00	0.00	0.00
105	0.17	0.22	0.00	0.00	0.00	0.00	0.00
106	0.22	0.28	0.00	0.00	0.00	0.00	0.00
107	0.28	0.39	0.00	0.00	0.00	0.00	0.00
108	0.33	0.50	0.22	0.00	0.00	0.00	0.00
109	0.34	0.61	0.39	0.11	0.00	0.00	0.00
110	0.45	0.61	0.33	0.22	0.00	0.00	0.00
111	0.56	0.62	0.39	0.22	0.00	0.00	0.00
112	0.56	0.95	0.39	0.38	0.00	0.00	0.00
113	0.67	0.95	0.66	0.44	0.00	0.00	0.00
114	0.67	1.06	0.61	0.55	0.00	0.00	0.00
115	0.78	1.17	0.71	0.55	0.00	0.00	0.00
116	0.89	1.17	0.77	0.61	0.11	0.00	0.00
117	1.00	1.17	0.93	0.66	0.17	0.00	0.00
118	1.00	1.17	0.99	0.77	0.44	0.00	0.00
119	1.00	1.17	1.21	0.77	0.44	0.00	0.00
120	1.17	1.17	1.27	0.83	0.44	0.00	0.00
121	1.17	1.17	1.32	0.88	0.44	0.22	0.00
122	1.28	1.29	1.38	1.10	0.55	0.33	0.27
123	1.28	1.40	1.49	1.21	0.56	0.39	0.39
124	1.34	1.56	1.60	1.33	0.56	0.39	0.50
125	1.39	1.62	1.71	1.43	0.56	0.39	0.50
126	1.45	1.62	1.71	1.44	0.56	0.45	0.56
127	1.51	1.78	2.03	1.44	0.61	0.61	0.61
128	1.62	1.73	2.21	1.65	0.56	0.67	0.67
129	1.73	1.84	2.15	1.66	0.72	0.72	0.78
130	1.89	1.95	2.15	1.77	0.72	1.00	1.00
131	2.06	1.90	2.32	1.71	0.83	1.00	1.06
132	2.23	1.90	2.26	1.77	1.00	1.28	1.12
133	2.17	2.12	2.43	1.77	1.17	1.39	1.34
134	2.17	2.18	2.48	1.93	1.22	1.50	1.34
135	2.23	2.34	2.48	1.93	1.33	1.50	1.39
136	2.17	2.45	2.48	1.93	1.33	1.50	1.40
137	2.28	2.45	2.48	1.99	1.33	1.56	1.45
138	2.28	2.51	2.48	2.10	1.44	1.61	1.51
139	2.34	2.57	2.48	2.04	1.39	1.61	1.56
140	2.45	2.68	2.48	2.04	1.55	1.78	1.62
141	2.61	2.68	2.54	2.04	1.56	2.10	1.67
142	2.57	2.68	2.70	2.04	1.61	2.11	1.78
143	2.73	2.68	2.76	2.04	2.00	2.17	1.84
144	2.78	2.68	2.76	2.04	2.11	2.28	1.84
145	2.79	2.68	2.76	2.15	2.17	2.28	2.06
146	3.01	2.68	2.76	2.10	2.17	2.39	2.28
147	3.29	2.68	2.87	2.10	2.33	2.45	2.45

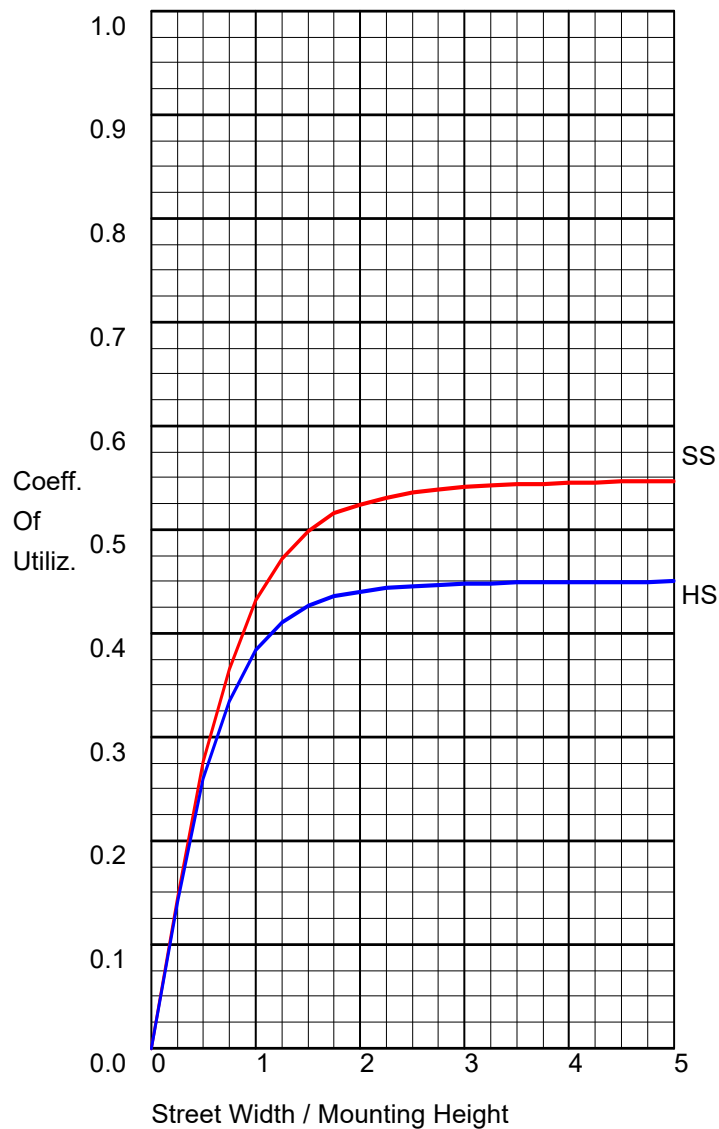


**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSC MD F UV 840.IES**

**CANDELA TABULATION - (Cont.)**

<b>148</b>	3.51	2.73	2.87	2.10	2.50	2.45	2.51
<b>149</b>	3.51	2.62	2.87	2.10	2.50	2.45	2.62
<b>150</b>	3.67	2.55	2.87	2.15	2.67	2.73	2.68
<b>151</b>	3.62	1.20	2.87	2.15	2.94	2.84	2.68
<b>152</b>	3.62	2.52	2.87	2.21	3.00	2.95	2.73
<b>153</b>	3.62	3.29	2.92	2.32	3.11	3.00	3.06
<b>154</b>	3.62	3.29	2.87	2.26	3.22	3.12	3.01
<b>155</b>	3.62	3.29	2.70	2.43	3.33	3.06	3.07
<b>156</b>	3.62	3.29	2.60	2.48	3.33	3.12	3.12
<b>157</b>	3.62	3.46	2.59	2.54	3.33	3.06	3.07
<b>158</b>	3.62	3.46	2.59	2.65	3.33	3.17	3.07
<b>159</b>	3.62	3.51	2.59	2.81	3.33	3.12	3.07
<b>160</b>	3.62	3.51	2.59	2.98	3.33	3.22	3.12
<b>161</b>	3.62	3.52	2.81	3.04	3.39	3.28	3.13
<b>162</b>	3.62	3.63	2.92	3.04	3.39	3.28	3.24
<b>163</b>	3.62	3.68	2.93	3.04	3.39	3.28	3.18
<b>164</b>	3.62	3.74	2.93	3.04	3.45	3.28	3.18
<b>165</b>	3.62	3.79	2.98	3.04	3.50	3.28	3.18
<b>166</b>	3.62	3.85	3.03	3.09	3.56	3.28	3.18
<b>167</b>	3.74	3.85	3.09	3.20	3.77	3.34	3.40
<b>168</b>	4.02	4.08	3.14	3.20	3.89	3.67	3.46
<b>169</b>	4.34	4.35	3.09	3.31	3.95	3.89	3.68
<b>170</b>	4.34	4.52	3.14	3.42	4.00	3.84	3.90
<b>171</b>	4.34	4.68	3.20	3.48	4.11	4.01	4.02
<b>172</b>	4.34	4.69	3.20	3.75	4.06	3.95	4.13
<b>173</b>	4.34	4.74	3.20	3.81	4.28	3.95	4.29
<b>174</b>	4.34	4.80	3.25	3.86	4.39	4.01	4.46
<b>175</b>	4.34	4.79	3.26	3.97	4.50	4.23	4.68
<b>176</b>	4.34	4.68	3.42	4.03	4.50	4.34	4.80
<b>177</b>	4.34	4.68	3.37	4.03	4.50	4.34	4.91
<b>178</b>	4.29	4.68	3.42	4.03	4.56	4.34	4.86
<b>179</b>	4.34	4.57	3.53	4.03	4.45	4.40	4.86
<b>180</b>	4.85	4.85	4.85	4.85	4.85	4.85	4.85

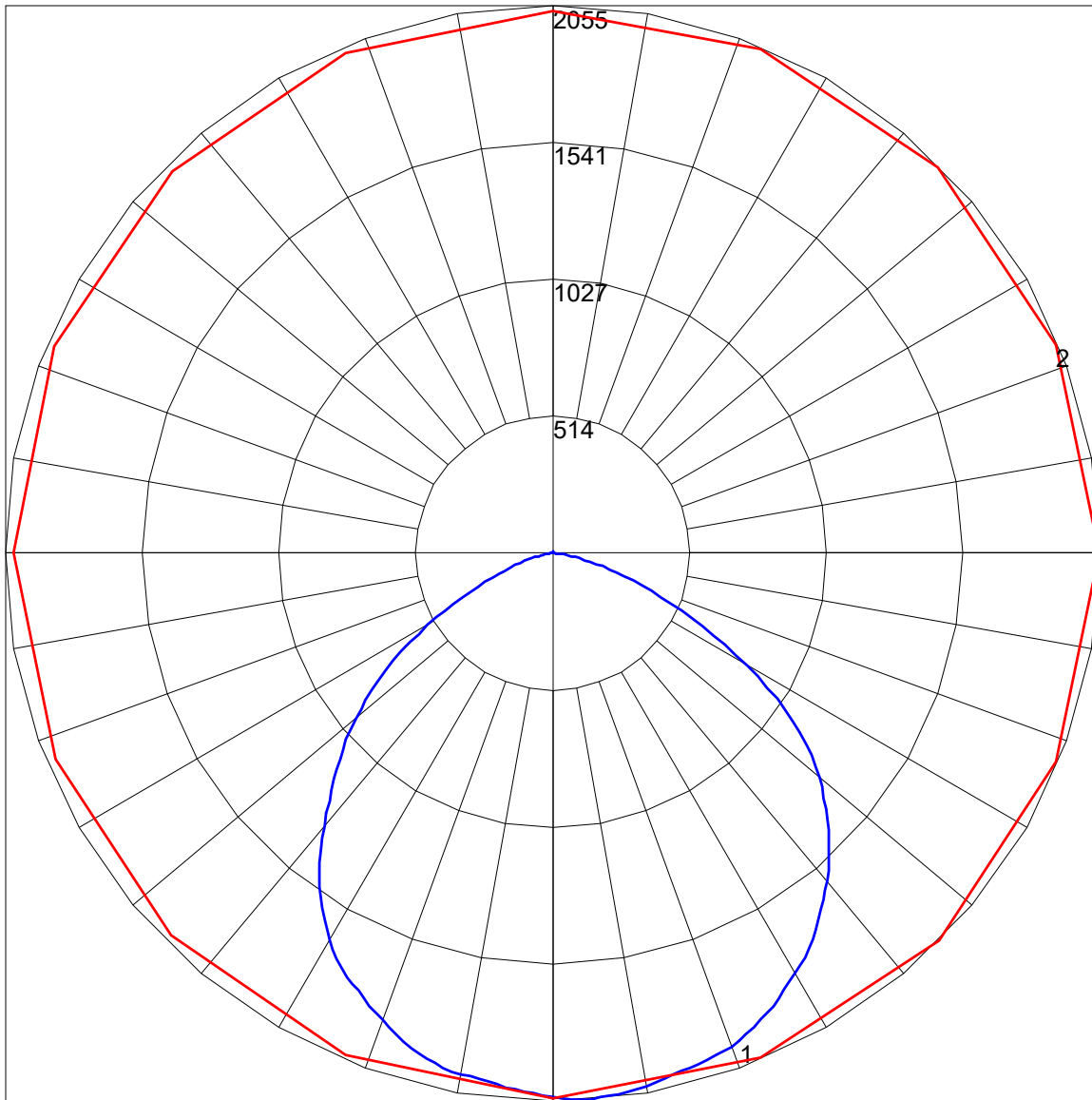
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

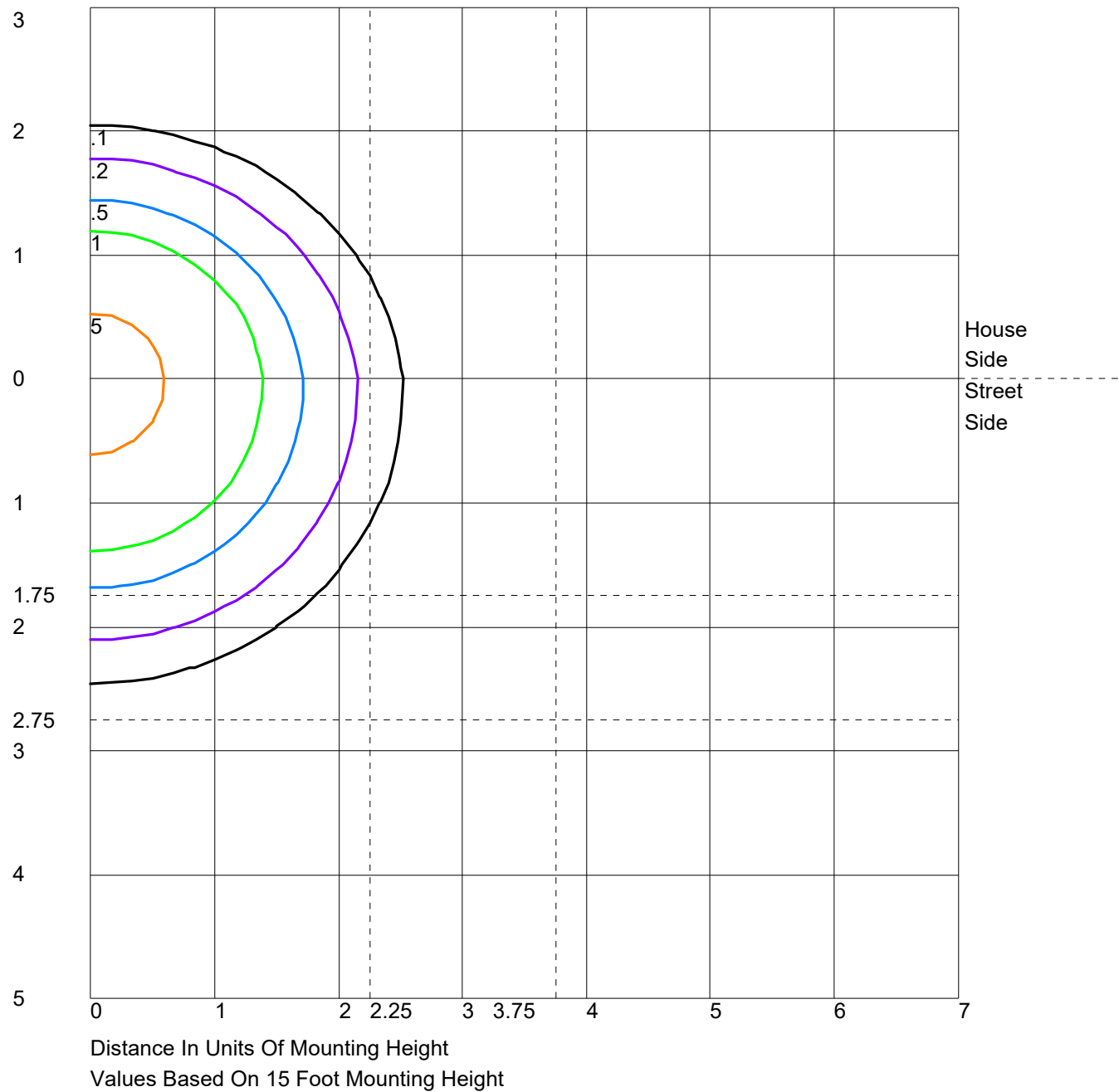
	Lumens	Percent Of Luminaire
Downward Street Side	2809.5	54.8
Downward House Side	2309.2	45.0
Downward Total	5118.7	99.8
Upward Street Side	3.1	0.1
Upward House Side	4.7	0.1
Upward Total	7.8	0.2
Total Flux	5126.5	100.0

POLAR GRAPH

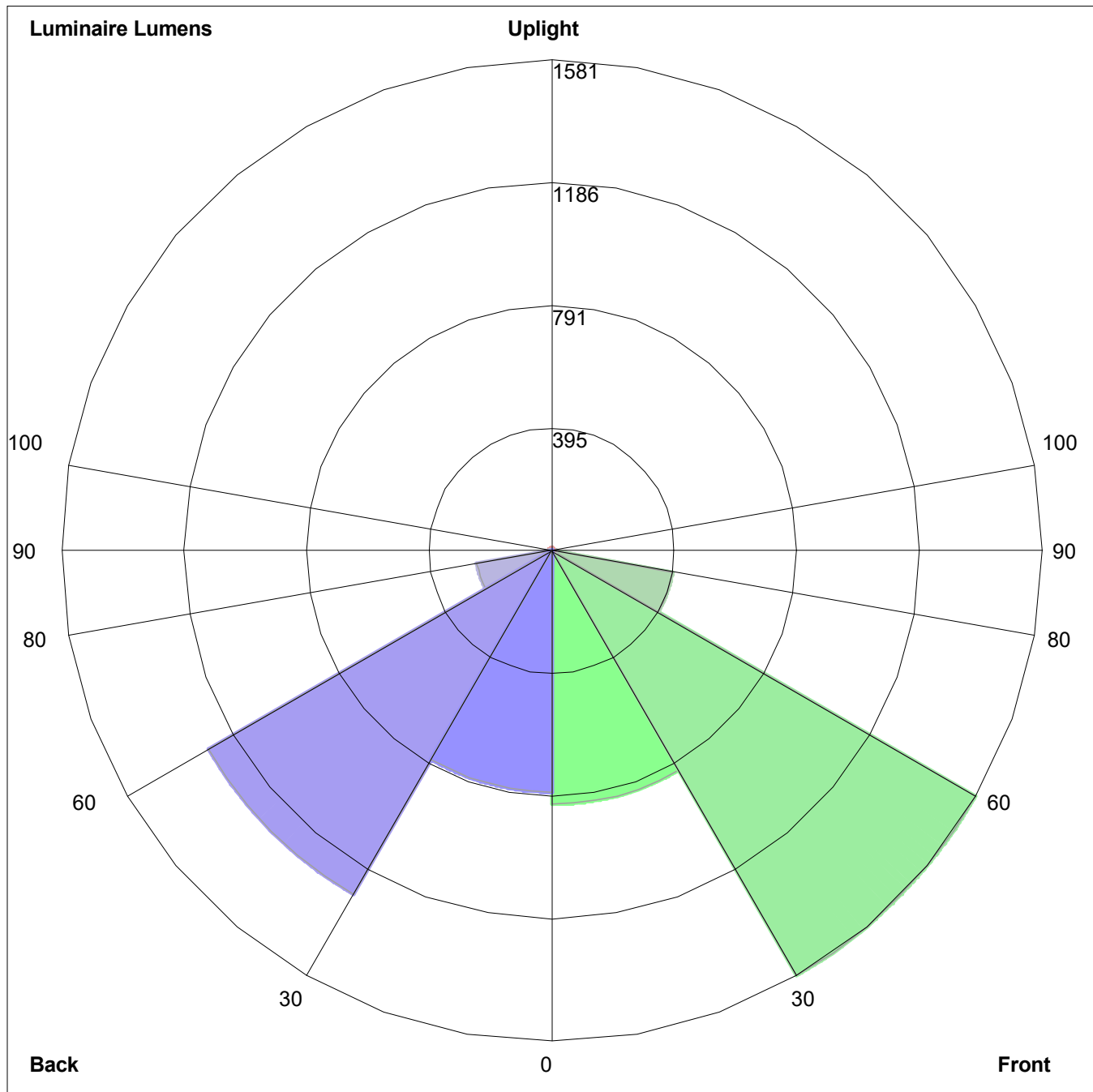


Maximum Candela = 2054.88 Located At Horizontal Angle = 315, Vertical Angle = 3  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=817.6, Medium=1581.4, High=395.7, Very High=14.7  
Back: Low=777.6, Medium=1278.4, High=244.9, Very High=8.2  
Uplight: Low=0.0, High=7.8

BUG Rating : B2-U1-G1