



## IES ROAD REPORT

PHOTOMETRIC FILENAME : EPP MD F UV TBG 740.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 14 December 2017

[ISSUEDATE] 2018-01-06 10:00:03

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC

[LUMINAIRE] EPP MD F UV TBG 740

[OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
--------------------	--------	--------	------	-------

[OTHER] 0- 10	116.89	116.89	1.76	1.76
---------------	--------	--------	------	------

[OTHER] 10- 20	324.30	441.19	6.63	6.63
----------------	--------	--------	------	------

[OTHER] 20- 30	482.64	923.84	13.89	13.89
----------------	--------	--------	-------	-------

[OTHER] 30- 40	612.53	1536.37	23.10	23.10
----------------	--------	---------	-------	-------

[OTHER] 40- 50	713.87	2250.24	33.83	33.83
----------------	--------	---------	-------	-------

[OTHER] 50- 60	757.08	3007.32	45.22	45.22
----------------	--------	---------	-------	-------

[OTHER] 60- 70	796.48	3803.80	57.19	57.19
----------------	--------	---------	-------	-------

[OTHER] 70- 80	747.05	4550.84	68.43	68.43
----------------	--------	---------	-------	-------

[OTHER] 80- 90	675.99	5226.83	78.59	78.59
----------------	--------	---------	-------	-------

[OTHER] 90-100	561.19	5788.02	87.03	87.03
----------------	--------	---------	-------	-------

[OTHER] 100-110	411.78	6199.80	93.22	93.22
-----------------	--------	---------	-------	-------

[OTHER] 110-120	266.79	6466.59	97.23	97.23
-----------------	--------	---------	-------	-------

[OTHER] 120-130	129.09	6595.68	99.17	99.17
-----------------	--------	---------	-------	-------

[OTHER] 130-140	39.27	6634.95	99.76	99.76
-----------------	-------	---------	-------	-------

[OTHER] 140-150	11.15	6646.10	99.93	99.93
-----------------	-------	---------	-------	-------

[OTHER] 150-160	3.73	6649.83	99.99	99.99
-----------------	------	---------	-------	-------

[OTHER] 160-170	0.76	6650.59	100.00	100.00
-----------------	------	---------	--------	--------

[OTHER] 170-180	0.17	6650.76	100.00	100.00
-----------------	------	---------	--------	--------

[OTHER]

### CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6650
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	50.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.21
Maximum Candela	2541.97
Maximum Candela Angle	360H 46V
Maximum Candela (<90 Degrees Vertical)	2541.97
Maximum Candela Angle (<90 Degrees Vertical)	360H 46V
Maximum Candela At 90 Degrees Vertical	1947.99 (29.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2200.31 (33.1% Luminaire Lumens)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	624.2	N.A.	9.4
FM - Front-Medium (30-60)	1816.3	N.A.	27.3
FH - Front-High (60-80)	1462.7	N.A.	22.0
FVH - Front-Very High (80-90)	658.1	N.A.	9.9
BL - Back-Low (0-30)	299.6	N.A.	4.5
BM - Back-Medium (30-60)	267.1	N.A.	4.0
BH - Back-High (60-80)	80.7	N.A.	1.2
BVH - Back-Very High (80-90)	17.8	N.A.	0.3
UL - Uplight-Low (90-100)	561.1	N.A.	8.4
UH - Uplight-High (100-180)	862.4	N.A.	13.0
Total	6650.0	N.A.	100.0
BUG Rating	B1-U4-G4		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EPP MD F UV TBG 740.IES**

**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	1228.46	1228.46	1228.46	1228.46	1228.46	1228.46	1228.46	1228.46	1228.46	1228.46
1	1243.75	1221.35	1200.46	1191.99	1204.93	1220.27	1231.78	1246.20	1264.72	1269.98
2	1313.06	1277.32	1259.35	1229.40	1244.03	1232.47	1200.18	1171.30	1197.98	1211.04
3	1305.73	1297.06	1292.69	1243.10	1220.47	1228.89	1180.75	1122.60	1111.57	1151.63
4	1349.92	1340.16	1294.04	1249.05	1217.53	1186.49	1123.41	1071.97	1123.66	1066.32
5	1420.98	1391.54	1304.43	1319.65	1265.92	1210.98	1043.14	1154.95	1173.07	1159.36
6	1391.46	1385.75	1365.45	1304.33	1228.96	1208.84	1166.74	1124.56	1074.32	1160.22
7	1366.00	1363.87	1467.45	1267.34	1196.52	1099.53	1191.20	984.79	972.74	1040.20
8	1463.72	1410.82	1393.53	1285.51	1193.72	1029.41	1116.37	959.07	959.58	988.14
9	1480.30	1444.74	1336.16	1310.93	1217.06	1048.89	978.80	947.38	961.58	983.43
10	1499.30	1440.19	1343.24	1348.48	1234.41	1149.73	952.50	928.77	898.81	943.95
11	1523.64	1495.20	1443.93	1347.66	1216.67	1158.15	934.05	857.25	833.90	861.42
12	1486.08	1495.85	1471.64	1338.50	1199.95	1122.71	942.38	817.73	767.29	804.61
13	1496.74	1494.95	1468.66	1371.44	1173.65	1082.74	935.30	774.67	737.47	747.53
14	1543.52	1494.05	1471.24	1385.58	1173.74	1042.12	878.05	738.26	701.75	732.94
15	1591.30	1566.51	1489.11	1398.84	1173.68	1016.01	830.78	716.28	661.65	712.19
16	1639.09	1529.29	1524.64	1365.85	1156.35	958.89	778.82	669.75	597.82	695.51
17	1631.19	1627.07	1493.69	1337.70	1159.59	923.16	737.11	612.58	540.58	644.81
18	1589.30	1608.95	1458.35	1357.27	1148.09	901.13	716.04	550.22	494.55	569.82
19	1669.95	1572.22	1492.49	1354.04	1126.78	882.59	673.28	494.51	453.28	513.89
20	1703.72	1570.60	1566.89	1375.01	1096.83	889.32	638.50	448.28	392.58	470.75
21	1735.33	1688.60	1588.55	1344.70	1107.02	867.43	596.73	406.37	351.83	422.29
22	1785.17	1676.62	1608.19	1317.14	1098.23	837.03	555.52	363.76	339.78	374.34
23	1843.66	1701.08	1627.83	1346.30	1075.52	821.01	512.46	335.95	290.71	343.47
24	1847.15	1778.62	1605.27	1337.49	1093.57	806.46	475.19	315.07	270.28	324.53
25	1803.53	1837.69	1547.98	1303.56	1088.86	748.71	444.83	280.74	241.01	291.41
26	1796.71	1822.61	1547.72	1315.88	1057.78	734.61	415.34	256.45	213.26	264.82
27	1788.48	1838.77	1601.47	1309.63	1076.18	730.79	386.59	233.08	187.26	245.99
28	1769.54	1804.19	1617.34	1314.72	1034.44	688.96	350.31	204.57	166.01	221.65
29	1855.70	1780.14	1581.64	1367.24	1011.32	669.41	322.16	184.53	153.28	201.10
30	2058.39	1758.97	1534.74	1318.49	1028.40	642.21	301.84	167.75	143.92	178.16
31	2094.49	1807.20	1593.90	1292.17	1033.43	603.46	290.74	153.98	136.77	159.81
32	2023.44	1877.66	1656.28	1321.49	1029.20	577.91	267.60	143.59	128.67	146.55
33	1996.36	1945.36	1651.87	1354.10	999.32	568.82	244.07	136.47	120.57	138.57
34	2097.48	1947.55	1627.38	1377.09	961.61	535.39	235.74	129.52	113.64	131.44
35	2142.73	1956.78	1631.69	1360.11	928.37	513.97	218.22	123.49	108.79	126.23
36	1984.51	1927.47	1600.76	1339.37	918.74	492.31	199.86	118.19	102.86	121.16
37	1944.66	1850.52	1622.73	1331.27	898.51	450.58	190.09	113.87	98.48	115.48
38	1938.40	1876.77	1624.91	1363.97	866.96	427.11	176.19	108.21	94.48	109.77
39	1920.32	1900.79	1604.76	1384.84	845.56	405.44	163.95	103.21	88.07	105.05
40	1940.40	1794.55	1616.53	1372.74	839.09	383.51	157.15	97.25	83.37	101.59
41	1970.32	1747.25	1643.60	1364.61	817.26	355.73	150.36	91.47	78.46	95.65
42	1985.88	1810.68	1622.64	1368.33	786.33	338.31	145.02	86.32	73.99	91.54
43	2059.05	1804.92	1600.76	1291.18	744.99	318.10	137.56	82.05	70.19	86.52
44	2294.22	1776.62	1610.22	1206.02	743.67	298.35	131.73	79.53	66.71	82.40
45	2445.16	1840.18	1614.20	1212.60	772.36	283.12	126.01	76.87	63.89	79.60
46	2541.97	2021.34	1616.62	1222.75	675.32	269.59	123.13	73.69	61.63	76.43
47	2368.46	2241.16	1632.58	1184.87	634.58	245.43	118.40	70.31	59.50	73.31
48	2458.97	2184.64	1642.22	1236.95	643.32	230.89	112.39	66.47	56.94	69.82
49	2404.32	2125.18	1685.91	1292.86	583.90	216.52	106.38	62.78	54.09	66.03
50	2385.99	2133.01	1716.32	1257.17	576.96	202.21	100.20	58.72	50.50	61.90
51	2328.38	2180.32	1705.54	1270.28	608.85	188.75	97.00	54.81	46.71	56.81
52	2198.88	2210.12	1662.82	1228.87	565.26	180.06	90.23	51.13	42.87	52.66

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EPP MD F UV TBG 740.IES**

**CANDELA TABULATION - (Cont.)**

53	2104.23	2154.04	1669.47	1192.36	548.13	171.87	85.56	48.04	39.44	49.10
54	2054.71	1986.59	1596.69	1146.53	552.41	165.10	81.69	44.92	36.26	45.45
55	2055.59	1904.15	1543.33	1053.75	523.13	160.28	77.64	41.37	33.06	41.87
56	2128.86	1880.39	1557.35	998.70	508.87	155.20	72.40	37.79	29.81	38.45
57	2222.89	1926.40	1629.64	968.84	496.81	152.90	66.79	34.44	26.75	35.21
58	2263.91	2026.04	1598.24	1039.59	465.47	148.95	62.72	31.18	24.03	31.91
59	2369.33	2056.98	1502.33	1033.97	478.88	147.14	59.16	28.27	21.60	28.89
60	2462.02	2089.65	1494.70	1050.56	449.41	143.63	55.47	25.60	19.49	25.82
61	2307.77	2186.27	1553.49	1081.25	454.27	143.09	51.35	22.78	17.82	23.07
62	2288.81	2083.22	1571.63	1141.95	450.95	142.97	48.17	19.76	16.54	20.23
63	2281.27	1991.70	1597.35	1278.07	411.48	138.75	44.68	16.72	14.91	17.58
64	2304.35	2006.48	1584.80	1180.20	390.69	135.88	41.16	14.09	11.89	14.92
65	2215.82	2063.49	1640.63	1068.49	379.16	135.14	37.66	11.69	8.51	12.43
66	2250.31	2048.28	1604.13	1048.59	353.51	131.91	34.05	9.39	5.05	10.05
67	2239.71	2014.67	1542.65	990.66	334.59	128.52	30.58	6.64	1.89	7.67
68	2194.29	1982.19	1558.87	887.46	316.89	124.13	28.15	2.37	1.97	4.65
69	2090.23	1986.90	1578.88	826.80	297.36	119.01	25.35	1.80	2.08	2.27
70	2122.54	1942.97	1619.81	825.83	273.33	113.41	22.58	1.81	2.11	2.27
71	2163.96	1895.49	1614.41	847.38	252.27	109.05	19.67	1.83	2.21	2.28
72	2144.16	1868.02	1560.73	880.58	235.77	107.31	17.22	1.96	2.32	2.28
73	2111.43	1827.68	1519.32	943.87	220.40	102.22	15.15	2.05	2.42	2.28
74	2098.15	1808.28	1465.02	967.10	203.41	96.60	14.72	2.18	2.50	2.29
75	2201.35	1849.23	1422.68	920.09	189.21	94.57	14.42	2.31	2.61	2.30
76	2236.67	1967.20	1397.45	831.87	173.57	93.00	13.82	2.42	2.72	2.31
77	2195.76	1941.17	1455.73	763.52	159.20	86.52	13.34	2.47	2.80	2.32
78	2154.37	1864.70	1408.99	730.52	146.30	79.41	12.94	2.58	2.90	2.34
79	2123.66	1858.71	1334.07	699.25	135.85	75.34	12.49	2.68	2.98	2.35
80	2200.31	1858.91	1352.75	696.23	126.70	71.43	11.87	2.68	3.06	2.43
81	2172.72	1863.03	1359.54	709.61	120.47	67.86	11.41	2.76	3.14	2.51
82	2119.49	1832.38	1369.68	736.02	115.65	64.92	11.16	2.89	3.20	2.56
83	2056.50	1806.68	1395.73	725.89	106.91	62.27	10.84	2.97	3.30	2.59
84	2026.35	1762.88	1374.45	682.40	98.00	58.98	10.48	2.97	3.38	2.67
85	1856.42	1598.68	1262.67	664.00	90.51	56.47	10.15	3.03	3.41	2.75
86	2082.23	1780.98	1245.20	668.10	85.10	53.44	9.74	3.11	3.49	2.80
87	2104.97	1734.72	1246.37	616.51	79.80	51.12	9.39	3.16	3.57	2.86
88	1836.75	1564.85	1218.44	577.43	74.95	48.80	9.10	3.19	3.60	2.93
89	1824.06	1563.99	1214.81	566.34	72.26	46.28	8.86	3.22	3.68	2.96
90	1947.99	1621.78	1233.95	542.88	71.35	43.80	8.56	3.25	3.70	3.04
91	1961.72	1656.34	1209.08	544.07	70.43	41.46	8.24	3.29	3.73	3.05
92	1897.32	1612.71	1136.11	528.90	67.71	40.00	7.93	3.32	3.78	3.05
93	1809.72	1564.21	1056.57	469.78	65.86	38.70	7.56	3.29	3.79	3.06
94	1844.16	1531.58	1059.75	453.34	64.65	36.95	7.40	3.29	3.79	3.07
95	1811.34	1476.02	1065.30	453.00	62.84	34.87	7.13	3.32	3.80	3.07
96	1770.16	1491.96	1052.82	418.65	60.67	33.08	6.87	3.31	3.80	3.08
97	1750.49	1502.38	1016.10	395.54	59.39	31.18	6.66	3.31	3.79	3.09
98	1724.47	1438.39	1011.15	370.43	58.17	29.95	6.39	3.30	3.78	3.09
99	1725.48	1428.21	952.55	347.01	57.18	28.63	6.07	3.30	3.76	3.08
100	1606.71	1354.07	896.80	325.21	57.01	27.22	5.78	3.30	3.75	3.07
101	1720.97	1398.79	868.36	311.87	57.96	25.64	5.59	3.29	3.74	3.05
102	1531.68	1309.69	854.93	285.20	58.23	24.28	5.36	3.29	3.73	3.04
103	1519.97	1296.44	816.68	266.90	57.46	22.80	5.17	3.32	3.71	3.03
104	1618.28	1314.38	778.37	253.24	58.23	21.66	5.04	3.29	3.70	3.01
105	1535.13	1264.33	758.10	235.94	58.67	20.56	5.02	3.32	3.70	3.00
106	1392.00	1177.68	746.23	226.80	58.22	19.54	5.04	3.30	3.73	2.99
107	1311.68	1103.63	721.45	210.98	57.92	18.53	4.67	3.27	3.67	2.98
108	1245.90	1130.12	666.31	197.07	58.20	17.28	4.54	3.25	3.65	2.97

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EPP MD F UV TBG 740.IES**

**CANDELA TABULATION - (Cont.)**

109	1222.92	1108.26	630.47	187.06	56.62	16.08	4.46	3.23	3.62	2.96
110	1184.13	1080.12	645.08	176.10	55.20	15.09	4.27	3.21	3.51	2.93
111	1226.52	1099.01	608.72	165.97	53.29	14.21	4.14	3.18	3.46	2.93
112	1238.73	966.23	554.99	156.63	51.18	13.56	4.09	3.16	3.38	2.92
113	1205.77	923.60	540.03	147.59	48.94	12.94	4.06	3.13	3.33	2.91
114	985.56	913.15	534.92	138.06	46.75	12.40	4.03	3.11	3.35	2.91
115	1037.12	898.56	508.55	129.78	44.29	11.88	3.87	3.08	3.33	2.90
116	1063.98	855.27	467.79	122.23	41.72	11.29	3.74	3.07	3.35	2.90
117	961.01	811.92	435.33	113.20	38.90	10.56	3.66	3.06	3.30	2.89
118	918.00	768.56	416.01	105.40	36.24	9.86	3.45	3.05	3.17	2.88
119	893.71	727.95	385.44	97.63	33.78	9.21	3.34	3.04	3.01	2.91
120	855.56	670.40	358.12	90.68	31.09	8.78	3.26	3.03	2.95	2.85
121	808.54	642.41	337.90	85.43	28.34	8.34	3.10	2.97	2.85	2.75
122	761.42	601.65	303.84	78.92	25.70	8.01	2.97	2.92	2.85	2.69
123	714.30	568.71	284.83	71.19	23.28	7.61	2.87	2.89	2.74	2.61
124	671.22	520.29	259.22	65.15	21.37	7.22	2.73	2.87	2.61	2.56
125	629.51	472.50	240.50	62.41	19.32	6.89	2.57	2.81	2.56	2.56
126	564.75	419.66	217.26	59.99	17.68	6.50	2.57	2.76	2.55	2.56
127	513.87	373.13	195.73	55.13	16.17	6.21	2.55	2.57	2.54	2.55
128	482.40	336.18	179.51	50.58	14.92	5.97	2.52	2.57	2.54	2.55
129	427.64	296.74	164.03	44.96	13.74	5.73	2.49	2.56	2.53	2.54
130	381.01	259.01	149.16	39.95	12.64	5.44	2.47	2.55	2.53	2.54
131	338.19	227.70	137.18	36.64	11.84	5.26	2.44	2.54	2.48	2.54
132	297.49	199.48	127.18	34.42	11.01	5.02	2.38	2.53	2.47	2.53
133	253.19	172.60	117.61	32.30	10.41	4.98	2.23	2.52	2.47	2.53
134	217.73	149.89	108.71	30.30	9.74	4.59	2.23	2.52	2.47	2.52
135	189.02	129.47	98.37	28.22	9.18	4.43	2.23	2.51	2.47	2.52
136	165.58	114.23	87.36	26.16	8.73	4.27	2.23	2.50	2.47	2.52
137	143.93	102.61	76.21	23.52	8.22	4.14	2.23	2.49	2.47	2.51
138	125.26	91.72	66.20	22.17	7.72	4.03	2.23	2.48	2.47	2.51
139	109.53	82.27	57.66	20.79	7.27	3.82	2.23	2.48	2.46	2.50
140	96.98	73.29	50.16	19.23	6.98	3.69	2.23	2.47	2.46	2.50
141	85.77	65.98	45.03	17.84	6.63	3.56	2.24	2.41	2.46	2.50
142	76.94	60.58	41.44	16.34	6.24	3.45	2.25	2.42	2.46	2.49
143	68.99	56.14	38.47	14.69	5.83	3.34	2.25	2.42	2.46	2.49
144	62.10	51.98	35.63	12.92	5.47	3.32	2.26	2.42	2.46	2.48
145	56.06	47.47	33.10	11.44	5.15	3.34	2.26	2.42	2.46	2.48
146	51.29	43.28	30.56	10.03	4.91	3.23	2.26	2.43	2.45	2.47
147	47.17	39.11	28.13	8.71	4.54	3.02	2.27	2.43	2.45	2.47
148	43.84	35.79	25.90	7.61	4.27	2.97	2.27	2.43	2.45	2.47
149	41.61	33.37	23.80	6.58	4.01	2.84	2.28	2.43	2.45	2.46
150	39.99	31.16	21.92	5.69	3.72	2.84	2.28	2.44	2.45	2.46
151	38.89	29.29	19.97	4.77	3.64	2.73	2.33	2.44	2.40	2.45
152	37.16	27.80	18.00	4.27	3.29	2.60	2.34	2.44	2.42	2.40
153	34.99	26.37	15.96	3.84	3.21	2.44	2.35	2.44	2.41	2.40
154	32.81	25.01	13.99	3.42	2.87	2.36	2.35	2.43	2.40	2.39
155	30.07	23.55	12.16	3.02	2.68	2.31	2.36	2.43	2.39	2.37
156	27.35	21.75	10.53	2.71	2.47	2.18	2.37	2.42	2.38	2.36
157	24.32	19.46	8.95	2.47	2.36	2.10	2.37	2.42	2.36	2.34
158	21.32	16.91	7.52	2.15	2.20	2.09	2.38	2.42	2.35	2.33
159	18.36	14.49	6.15	1.91	2.19	2.08	2.39	2.41	2.34	2.31
160	15.66	12.20	4.82	1.70	2.18	2.07	2.40	2.41	2.33	2.30
161	13.09	10.26	3.60	1.51	2.17	2.07	2.41	2.40	2.31	2.29
162	10.92	8.41	2.47	1.32	2.16	2.07	2.41	2.40	2.29	2.27
163	8.98	6.79	1.35	1.21	2.15	2.07	2.41	2.39	2.28	2.26
164	7.17	5.28	0.78	1.10	2.14	2.07	2.41	2.39	2.26	2.24

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EPP MD F UV TBG 740.IES**

**CANDELA TABULATION - (Cont.)**

165	5.48	3.94	0.80	1.02	2.13	2.07	2.41	2.39	2.24	2.23
166	3.99	2.52	0.82	1.04	2.12	2.07	2.41	2.31	2.23	2.21
167	2.54	1.08	0.83	1.06	2.11	2.07	2.41	2.30	2.21	2.11
168	1.13	0.96	0.85	1.09	2.10	2.07	2.41	2.30	2.21	2.10
169	1.07	0.93	0.87	1.11	2.09	2.07	2.41	2.29	2.18	2.10
170	1.07	0.93	0.89	1.13	2.08	2.06	2.41	2.29	2.17	2.09
171	1.09	0.96	0.91	1.21	2.07	2.06	2.41	2.28	2.16	2.09
172	1.12	0.96	0.99	1.18	2.06	2.05	2.41	2.27	2.14	2.08
173	1.14	1.07	1.10	1.21	2.05	2.05	2.41	2.27	2.13	2.08
174	1.30	1.17	1.18	1.34	2.04	2.04	2.41	2.26	2.12	2.00
175	1.46	1.23	1.28	1.40	2.03	1.99	2.41	2.26	2.10	2.00
176	1.62	1.31	1.31	1.40	2.02	1.96	2.41	2.20	2.02	2.03
177	1.70	1.33	1.31	1.40	1.97	1.96	2.25	2.15	1.97	1.95
178	1.68	1.44	1.39	1.67	1.97	1.97	2.15	2.07	1.94	1.76
179	1.68	1.49	1.42	1.69	2.02	2.02	2.07	2.04	1.73	1.68
180	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68

**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	1228.46	1228.46	1228.46	1228.46	1228.46	1228.46	1228.46
1	1267.59	1265.42	1247.82	1229.40	1238.62	1245.89	1243.75
2	1219.58	1264.88	1235.75	1226.58	1261.84	1303.69	1313.06
3	1200.34	1277.67	1245.23	1274.92	1301.17	1281.48	1305.73
4	1186.61	1244.02	1223.41	1280.58	1308.43	1364.16	1349.92
5	1078.82	1175.65	1191.12	1258.08	1360.27	1407.21	1420.98
6	1092.63	1184.51	1269.38	1274.81	1356.41	1402.55	1391.46
7	1128.51	1214.38	1268.72	1347.19	1367.86	1399.41	1366.00
8	1149.24	1121.95	1196.46	1323.73	1405.16	1472.58	1463.72
9	1070.20	1064.18	1192.66	1316.92	1419.34	1503.85	1480.30
10	967.58	1017.40	1193.17	1330.07	1445.38	1471.43	1499.30
11	946.97	1056.23	1189.47	1354.10	1459.03	1488.75	1523.64
12	933.47	1131.07	1182.86	1404.49	1435.02	1509.19	1486.08
13	925.70	1153.66	1180.43	1400.29	1400.70	1437.33	1496.74
14	882.52	1132.08	1188.22	1369.91	1423.76	1475.02	1543.52
15	843.47	1088.83	1178.95	1353.91	1458.17	1554.57	1591.30
16	800.77	1015.27	1141.43	1317.97	1485.00	1635.47	1639.09
17	764.55	966.08	1130.69	1293.00	1448.69	1716.38	1631.19
18	728.88	926.55	1122.07	1321.19	1461.84	1715.71	1589.30
19	693.42	913.48	1133.66	1362.03	1532.04	1670.92	1669.95
20	671.45	913.90	1134.20	1336.57	1550.46	1699.61	1703.72
21	632.36	922.93	1121.63	1370.62	1567.78	1756.40	1735.33
22	595.47	884.28	1122.99	1386.23	1585.11	1718.88	1785.17
23	555.04	880.78	1083.58	1362.92	1583.51	1784.03	1843.66
24	520.53	848.73	1075.84	1331.13	1564.31	1768.77	1847.15
25	490.57	801.38	1080.18	1369.21	1573.44	1804.77	1803.53
26	464.32	784.42	1088.05	1387.02	1580.66	1748.78	1796.71
27	440.28	778.86	1083.95	1363.35	1630.84	1761.61	1788.48
28	403.72	763.83	1074.85	1387.75	1587.91	1759.10	1769.54
29	373.05	749.75	1062.81	1405.23	1622.01	1721.34	1855.70
30	340.96	703.70	1057.32	1358.47	1637.21	1680.08	2058.39
31	315.21	679.95	1025.52	1324.87	1697.48	1764.37	2094.49
32	297.72	649.18	1036.46	1402.42	1705.75	1924.93	2023.44
33	279.17	592.82	1020.84	1439.09	1684.04	2007.75	1996.36
34	253.62	581.99	998.58	1409.20	1702.40	1957.96	2097.48
35	237.48	565.20	1000.78	1437.08	1624.08	1893.34	2142.73

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EPP MD F UV TBG 740.IES**

**CANDELA TABULATION - (Cont.)**

36	219.18	540.45	946.57	1469.75	1634.65	1893.79	1984.51
37	207.18	521.10	930.74	1400.45	1656.50	1982.73	1944.66
38	193.95	490.40	905.92	1365.34	1618.04	1950.71	1938.40
39	179.80	461.70	876.32	1350.33	1617.71	1850.83	1920.32
40	169.97	426.20	839.47	1329.36	1650.32	1807.27	1940.40
41	164.56	414.79	857.22	1265.70	1663.40	1816.89	1970.32
42	158.50	410.87	877.61	1231.64	1688.52	1874.77	1985.88
43	149.86	383.35	803.24	1265.98	1691.20	1892.63	2059.05
44	139.78	339.32	766.85	1359.85	1655.06	1903.06	2294.22
45	134.68	316.84	760.11	1430.19	1644.87	2011.54	2445.16
46	130.15	307.99	765.30	1322.93	1691.06	2098.09	2541.97
47	126.40	286.75	715.00	1301.58	1668.80	2135.30	2368.46
48	121.33	259.59	705.93	1259.50	1633.70	2279.78	2458.97
49	116.40	244.50	691.31	1229.53	1686.60	2533.79	2404.32
50	111.15	231.88	661.04	1228.72	1706.38	2413.03	2385.99
51	103.63	218.74	687.10	1212.66	1678.29	2174.23	2328.38
52	97.69	210.49	655.24	1115.46	1718.73	2088.00	2198.88
53	94.72	200.94	635.67	1056.92	1784.64	2003.66	2104.23
54	89.12	196.80	621.24	1044.21	1711.83	1993.91	2054.71
55	84.24	191.48	603.08	1107.03	1551.43	2029.60	2055.59
56	80.31	184.92	582.21	1057.27	1478.42	2044.24	2128.86
57	76.19	180.35	584.55	1058.22	1526.16	1976.20	2222.89
58	71.93	175.11	544.45	1019.28	1618.38	1947.50	2263.91
59	67.98	173.83	527.97	1095.65	1649.25	1952.79	2369.33
60	64.56	171.64	526.66	1147.50	1637.70	2018.10	2462.02
61	61.57	170.32	532.78	1267.87	1656.61	2073.87	2307.77
62	57.66	166.47	502.64	1228.01	1687.72	2107.17	2288.81
63	52.94	163.48	468.66	1234.72	1650.44	2193.01	2281.27
64	48.40	159.22	467.05	1183.35	1631.36	2104.16	2304.35
65	45.48	156.09	438.75	978.14	1573.98	2009.35	2215.82
66	42.50	151.18	416.12	945.41	1554.30	1987.61	2250.31
67	38.97	147.76	392.36	919.95	1668.87	2031.39	2239.71
68	35.05	146.01	374.61	876.50	1710.05	2037.88	2194.29
69	31.38	142.38	345.55	854.11	1586.92	1964.28	2090.23
70	28.20	136.65	327.75	863.05	1537.12	1880.72	2122.54
71	25.43	130.18	306.27	859.70	1504.36	1904.10	2163.96
72	22.63	126.17	292.04	931.37	1520.17	1882.95	2144.16
73	19.90	122.26	271.08	1062.29	1531.04	1870.46	2111.43
74	18.61	120.10	248.34	1150.61	1506.64	1855.16	2098.15
75	17.90	115.24	234.61	1055.89	1434.10	1907.39	2201.35
76	17.06	109.07	219.98	903.53	1458.65	1942.12	2236.67
77	16.32	103.39	204.87	825.53	1484.45	1890.14	2195.76
78	15.66	97.38	185.25	766.91	1491.17	1884.52	2154.37
79	14.97	92.22	169.99	752.06	1453.42	1844.54	2123.66
80	14.43	88.13	153.64	766.23	1460.54	1885.73	2200.31
81	14.03	84.59	142.47	779.66	1461.29	1920.98	2172.72
82	13.63	81.52	131.60	805.93	1416.38	1925.65	2119.49
83	13.22	78.31	121.20	803.81	1372.83	1858.17	2056.50
84	12.80	75.54	109.25	787.80	1326.81	1742.53	2026.35
85	12.34	72.31	99.52	728.05	1358.25	1618.55	1856.42
86	11.99	69.75	91.09	683.14	1401.84	1852.78	2082.23
87	11.57	66.79	83.21	692.32	1312.58	1819.21	2104.97
88	11.24	64.60	76.64	684.36	1258.51	1656.48	1836.75
89	10.93	61.58	73.24	633.01	1247.92	1621.97	1824.06
90	10.55	59.45	69.73	609.14	1233.80	1697.18	1947.99
91	10.09	56.38	67.11	568.86	1205.69	1703.53	1961.72

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EPP MD F UV TBG 740.IES**

**CANDELA TABULATION - (Cont.)**

92	9.67	53.42	65.70	541.55	1181.23	1641.40	1897.32
93	9.26	51.74	62.96	543.33	1149.17	1563.17	1809.72
94	8.94	49.00	60.55	531.90	1131.23	1565.43	1844.16
95	8.59	47.01	59.10	477.59	1114.65	1576.74	1811.34
96	8.25	44.87	57.40	463.00	1086.00	1581.43	1770.16
97	7.95	43.47	55.14	451.65	1034.59	1570.67	1750.49
98	7.66	41.63	54.73	424.24	1022.54	1541.30	1724.47
99	7.34	39.43	54.43	398.41	956.27	1466.73	1725.48
100	7.04	37.53	53.24	373.23	959.76	1415.74	1606.71
101	6.72	35.50	52.55	358.91	940.74	1374.12	1720.97
102	6.43	33.80	53.20	350.24	887.21	1299.42	1531.68
103	6.18	31.98	53.23	314.40	861.40	1357.73	1519.97
104	6.00	29.93	52.60	294.93	836.08	1320.36	1618.28
105	5.84	27.90	52.70	281.73	799.06	1244.13	1535.13
106	5.62	26.00	53.19	261.21	761.98	1234.91	1392.00
107	5.49	24.23	53.02	242.73	763.97	1201.54	1311.68
108	5.38	22.74	53.78	232.65	805.07	1148.07	1245.90
109	5.14	21.19	53.13	218.40	711.38	1091.15	1222.92
110	5.06	19.84	52.15	202.71	642.85	1047.62	1184.13
111	4.92	18.49	50.51	189.99	622.79	1056.11	1226.52
112	4.66	17.35	48.85	176.91	617.85	1157.40	1238.73
113	4.52	16.33	46.78	166.29	583.38	942.47	1205.77
114	4.34	15.31	44.93	154.94	548.40	878.05	985.56
115	4.18	14.23	43.05	146.76	526.66	936.79	1037.12
116	4.07	13.17	41.56	136.18	508.61	890.46	1063.98
117	3.88	12.06	39.41	126.04	479.80	848.93	961.01
118	3.72	11.30	36.72	116.32	438.15	807.53	918.00
119	3.67	10.76	34.51	109.24	411.17	766.12	893.71
120	3.48	10.18	32.32	101.18	385.20	726.17	855.56
121	3.35	9.71	29.35	92.04	354.69	647.46	808.54
122	3.34	9.24	27.28	83.51	336.85	613.21	761.42
123	3.08	8.67	25.07	75.44	309.19	582.91	714.30
124	2.92	8.18	22.75	68.08	275.75	542.59	671.22
125	2.84	7.79	20.57	62.64	258.05	491.26	629.51
126	2.81	7.43	18.55	58.44	236.31	441.22	564.75
127	2.68	7.11	16.93	53.45	211.35	393.62	513.87
128	2.63	6.82	15.32	48.11	188.87	358.86	482.40
129	2.54	6.50	14.01	43.99	171.92	309.90	427.64
130	2.49	6.28	12.92	40.86	158.95	266.74	381.01
131	2.41	5.90	12.00	38.11	146.54	233.84	338.19
132	2.38	5.56	11.20	35.40	134.57	205.43	297.49
133	2.19	5.23	10.42	33.12	123.95	176.80	253.19
134	2.18	5.04	9.79	30.60	112.74	154.11	217.73
135	2.17	4.64	9.14	28.27	101.90	136.57	189.02
136	2.16	4.40	8.60	26.02	90.44	121.05	165.58
137	2.15	4.19	8.16	24.04	79.00	106.67	143.93
138	2.14	4.02	7.78	22.34	69.87	94.55	125.26
139	2.13	3.81	7.26	20.91	61.93	85.01	109.53
140	2.12	3.65	6.81	19.16	54.81	77.22	96.98
141	2.11	3.41	6.38	17.48	48.56	69.66	85.77
142	2.10	3.30	6.01	15.89	44.33	63.47	76.94
143	2.09	3.01	5.69	14.15	40.64	57.88	68.99
144	2.09	2.87	5.37	12.49	37.19	52.36	62.10
145	2.08	2.68	5.10	11.16	34.14	47.41	56.06
146	2.08	2.52	4.82	9.99	31.34	42.85	51.29
147	2.08	2.42	4.52	8.85	28.62	38.74	47.17

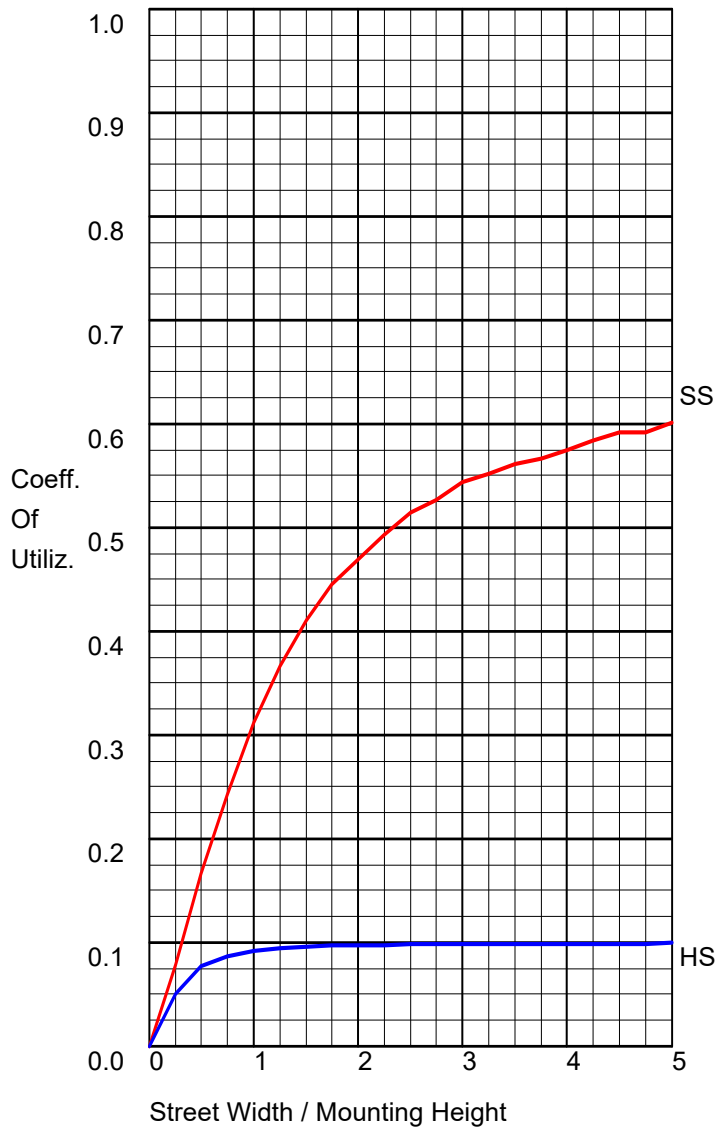


**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : EPP MD F UV TBG 740.IES**

**CANDELA TABULATION - (Cont.)**

<b>148</b>	2.07	2.23	4.25	7.71	26.27	35.23	43.84
<b>149</b>	2.07	2.12	3.99	6.62	24.11	32.53	41.61
<b>150</b>	2.07	2.04	3.75	5.57	22.19	29.97	39.99
<b>151</b>	2.06	2.02	3.46	4.54	20.14	27.73	38.89
<b>152</b>	2.06	2.01	3.22	4.04	18.04	25.89	37.16
<b>153</b>	2.06	1.99	2.95	3.61	15.96	24.00	34.99
<b>154</b>	2.05	1.97	2.71	3.21	14.04	22.32	32.81
<b>155</b>	2.05	1.95	2.50	2.85	12.37	20.62	30.07
<b>156</b>	2.05	1.94	2.37	2.53	10.78	18.93	27.35
<b>157</b>	2.04	1.96	2.18	2.31	9.24	17.15	24.32
<b>158</b>	2.04	1.96	2.05	2.10	7.67	15.29	21.32
<b>159</b>	2.04	1.95	1.89	1.92	6.12	13.34	18.36
<b>160</b>	2.03	1.93	1.83	1.81	4.78	11.44	15.66
<b>161</b>	2.03	1.92	1.81	1.62	3.52	9.70	13.09
<b>162</b>	2.03	1.90	1.70	1.51	2.40	7.98	10.92
<b>163</b>	2.02	1.89	1.73	1.46	1.29	6.44	8.98
<b>164</b>	2.02	1.87	1.74	1.46	1.29	4.98	7.17
<b>165</b>	2.02	1.86	1.75	1.43	1.29	3.70	5.48
<b>166</b>	2.02	1.84	1.76	1.43	1.29	2.30	3.99
<b>167</b>	2.02	1.83	1.77	1.46	1.29	1.18	2.54
<b>168</b>	2.03	1.82	1.78	1.64	1.30	1.14	1.13
<b>169</b>	2.03	1.82	1.93	1.67	1.30	1.11	1.07
<b>170</b>	2.04	1.81	1.99	1.67	1.35	1.17	1.07
<b>171</b>	1.98	1.81	1.99	1.72	1.40	1.14	1.09
<b>172</b>	1.96	1.81	2.02	1.80	1.56	1.19	1.12
<b>173</b>	1.96	1.80	1.99	1.91	1.59	1.30	1.14
<b>174</b>	1.98	1.80	2.07	1.99	1.70	1.38	1.30
<b>175</b>	1.87	1.72	2.07	2.02	1.75	1.56	1.46
<b>176</b>	1.82	1.67	2.07	2.02	1.91	1.57	1.62
<b>177</b>	1.77	1.67	2.07	2.04	1.94	1.62	1.70
<b>178</b>	1.68	1.61	2.07	2.10	1.99	1.64	1.68
<b>179</b>	1.55	1.53	2.07	2.07	2.02	1.65	1.68
<b>180</b>	1.68	1.68	1.68	1.68	1.68	1.68	1.68

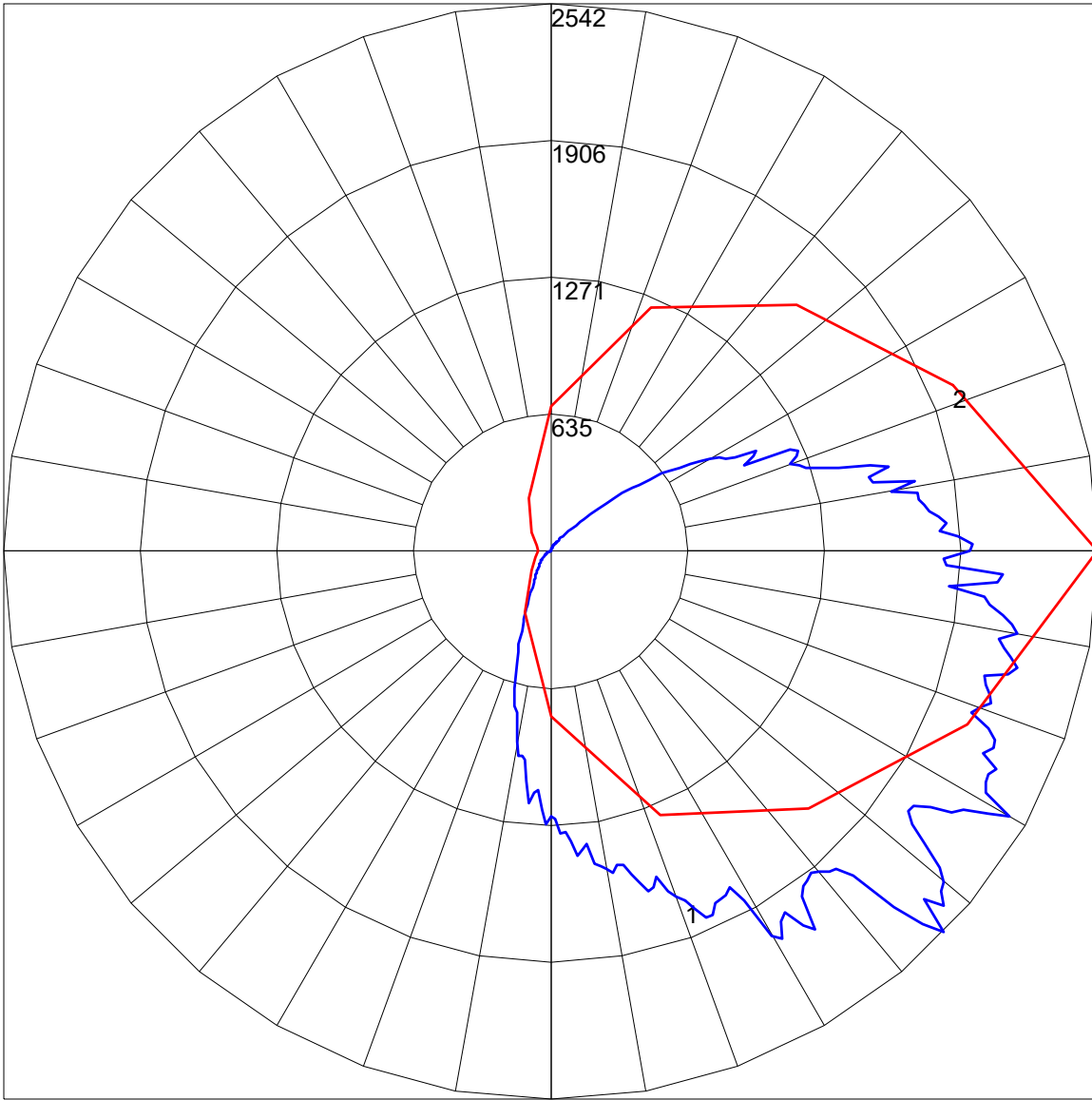
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

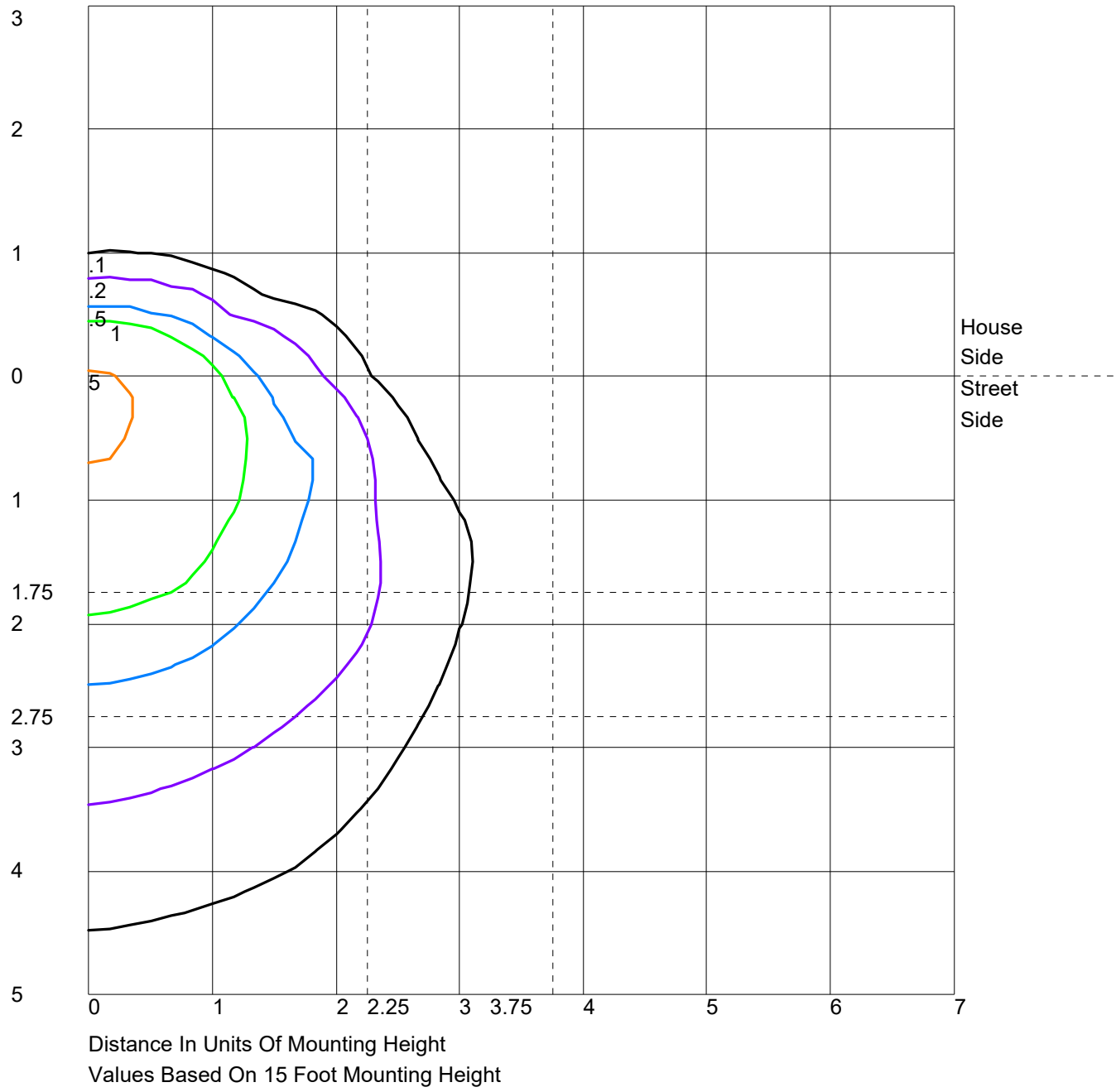
	Lumens	Percent Of Luminaire
Downward Street Side	4561.3	68.6
Downward House Side	665.1	10.0
Downward Total	5226.4	78.6
Upward Street Side	1392.0	20.9
Upward House Side	31.4	0.5
Upward Total	1423.4	21.4
<b>Total Flux</b>	<b>6649.8</b>	<b>100.0</b>

POLAR GRAPH

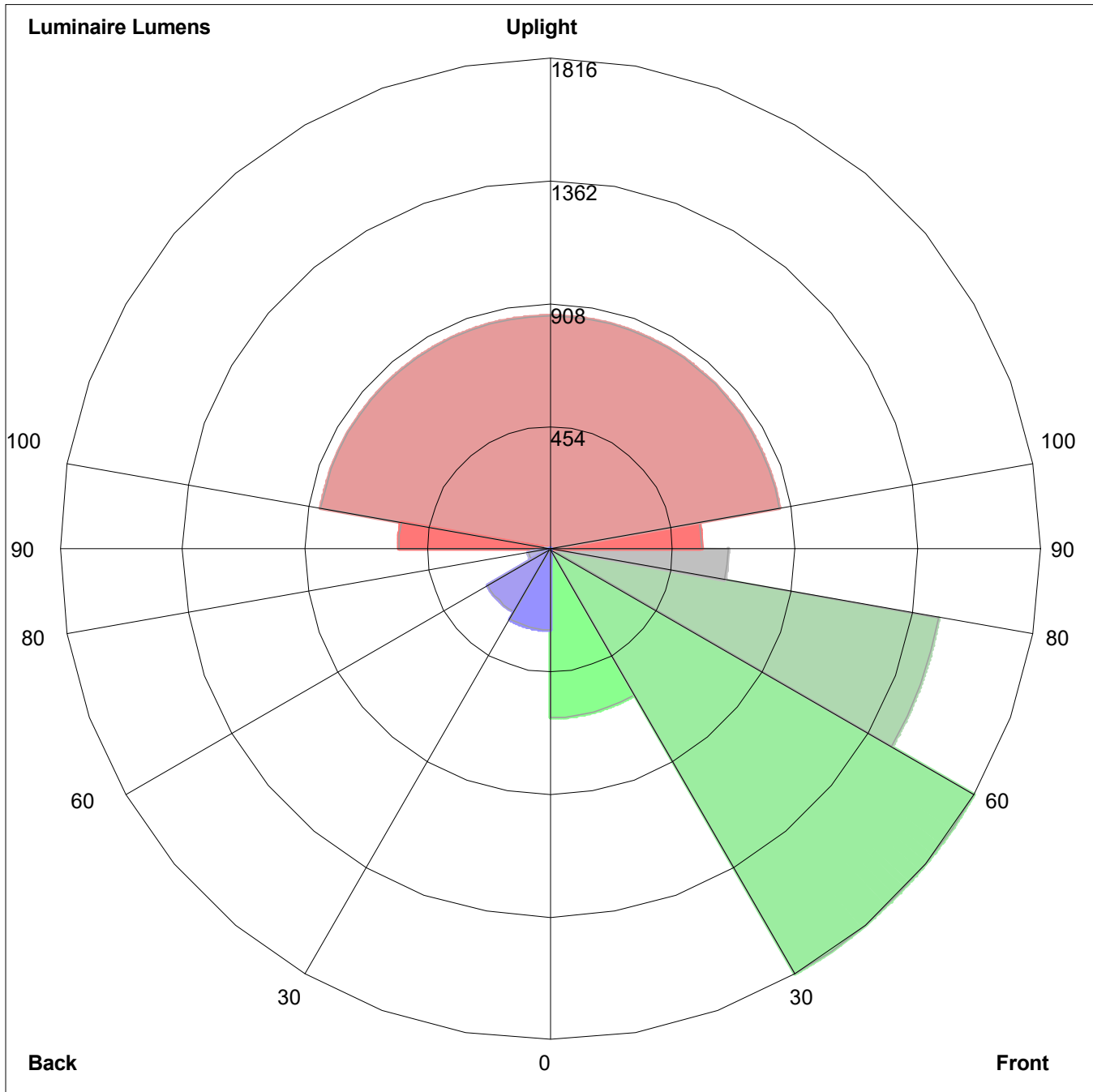


Maximum Candela = 2541.97 Located At Horizontal Angle = 360, Vertical Angle = 46  
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (46) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=624.2, Medium=1816.3, High=1462.7, Very High=658.1  
 Back: Low=299.6, Medium=267.1, High=80.7, Very High=17.8  
 Uplight: Low=561.1, High=862.4

BUG Rating : B1-U4-G4