



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WSME MD F UV D 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 11 May 2018

[ISSUEDATE] 2018-05-11 09:27:02

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC

[LUMINAIRE] WSME MD F UV D 840

[OTHER]

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

[OTHER]	0- 10	113.98	113.98	3.96	3.96
---------	-------	--------	--------	------	------

[OTHER]	10- 20	329.46	443.44	15.39	15.39
---------	--------	--------	--------	-------	-------

[OTHER]	20- 30	496.83	940.27	32.64	32.64
---------	--------	--------	--------	-------	-------

[OTHER]	30- 40	579.35	1519.62	52.76	52.76
---------	--------	--------	---------	-------	-------

[OTHER]	40- 50	563.66	2083.28	72.33	72.33
---------	--------	--------	---------	-------	-------

[OTHER]	50- 60	442.62	2525.90	87.69	87.69
---------	--------	--------	---------	-------	-------

[OTHER]	60- 70	258.23	2784.13	96.66	96.66
---------	--------	--------	---------	-------	-------

[OTHER]	70- 80	84.99	2869.12	99.61	99.61
---------	--------	-------	---------	-------	-------

[OTHER]	80- 90	9.60	2878.72	99.94	99.94
---------	--------	------	---------	-------	-------

[OTHER]	90-100	0.00	2878.72	99.94	99.94
---------	--------	------	---------	-------	-------

[OTHER]	100-110	0.00	2878.72	99.94	99.94
---------	---------	------	---------	-------	-------

[OTHER]	110-120	0.08	2878.80	99.94	99.94
---------	---------	------	---------	-------	-------

[OTHER]	120-130	0.18	2878.98	99.95	99.95
---------	---------	------	---------	-------	-------

[OTHER]	130-140	0.28	2879.26	99.96	99.96
---------	---------	------	---------	-------	-------

[OTHER]	140-150	0.38	2879.64	99.97	99.97
---------	---------	------	---------	-------	-------

[OTHER]	150-160	0.38	2880.02	99.99	99.99
---------	---------	------	---------	-------	-------

[OTHER]	160-170	0.29	2880.31	100.00	100.00
---------	---------	------	---------	--------	--------

[OTHER]	170-180	0.12	2880.43	100.00	100.00
---------	---------	------	---------	--------	--------

[OTHER]

### CHARACTERISTICS

IES Classification

Type II

Longitudinal Classification

Very Short

Lumens Per Lamp

N.A. (absolute)

Total Lamp Lumens

N.A. (absolute)

Luminaire Lumens

2880

Downward Total Efficiency

N.A. (absolute)

Total Luminaire Efficiency

N.A. (absolute)

Luminaire Efficacy Rating (LER)

104

Total Luminaire Watts

27.6

Ballast Factor

1.00

Upward Waste Light Ratio

0.00

Maximum Candela

1214.28

Maximum Candela Angle

360H 12V

Maximum Candela (<90 Degrees Vertical)

1214.28

Maximum Candela Angle (<90 Degrees Vertical)

360H 12V

Maximum Candela At 90 Degrees Vertical

.11 (0.0% Luminaire Lumens)

Maximum Candela from 80 to <90 Degrees Vertical

37.71 (1.3% Luminaire Lumens)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	480.8	N.A.	16.7
FM - Front-Medium (30-60)	850.1	N.A.	29.5
FH - Front-High (60-80)	189.9	N.A.	6.6
FVH - Front-Very High (80-90)	3.7	N.A.	0.1
BL - Back-Low (0-30)	459.5	N.A.	16.0
BM - Back-Medium (30-60)	735.3	N.A.	25.5
BH - Back-High (60-80)	153.2	N.A.	5.3
BVH - Back-Very High (80-90)	5.9	N.A.	0.2
UL - Uplight-Low (90-100)	< 0.05	N.A.	0.0
UH - Uplight-High (100-180)	1.7	N.A.	0.1
Total	2880.1	N.A.	100.0
BUG Rating	B1-U1-G1		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSME MD F UV D 840.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	1196.71	1196.71	1196.71	1196.71	1196.71	1196.71	1196.71	1196.71	1196.71	1196.71
1	1196.32	1196.29	1195.64	1195.15	1196.17	1196.63	1197.38	1197.37	1197.40	1198.18
2	1197.97	1198.33	1196.90	1195.26	1195.42	1196.68	1195.98	1196.74	1197.35	1197.55
3	1201.00	1199.48	1196.94	1195.45	1194.42	1194.73	1196.41	1198.24	1199.38	1199.25
4	1203.31	1200.83	1197.82	1193.66	1193.63	1193.22	1197.32	1198.16	1197.97	1199.20
5	1204.46	1202.63	1198.03	1192.59	1191.33	1192.06	1195.85	1196.61	1197.11	1198.38
6	1206.27	1203.36	1197.66	1190.89	1189.09	1190.76	1193.67	1194.81	1194.83	1196.47
7	1207.67	1204.66	1197.33	1189.79	1187.44	1189.52	1192.12	1190.27	1191.77	1192.71
8	1209.61	1205.82	1196.68	1188.04	1182.94	1187.58	1189.04	1189.44	1188.33	1189.85
9	1211.20	1206.49	1196.22	1186.22	1180.08	1184.68	1185.18	1183.43	1181.29	1185.61
10	1212.72	1207.31	1196.05	1183.97	1177.83	1180.02	1182.09	1176.78	1174.15	1179.20
11	1213.45	1209.01	1194.36	1180.86	1173.25	1175.85	1177.04	1169.59	1168.60	1172.71
12	1214.28	1209.71	1192.86	1176.70	1168.93	1171.67	1170.09	1161.92	1158.22	1164.49
13	1214.20	1209.45	1192.00	1173.01	1163.00	1167.72	1162.32	1152.84	1148.46	1156.82
14	1212.69	1210.29	1190.01	1168.85	1158.22	1162.70	1155.46	1142.84	1139.01	1147.93
15	1210.50	1209.59	1187.60	1164.47	1152.58	1156.24	1147.30	1133.72	1129.71	1138.42
16	1206.35	1207.32	1185.07	1159.34	1146.88	1149.94	1138.72	1124.55	1120.02	1129.46
17	1202.30	1203.11	1182.95	1155.01	1140.91	1143.75	1129.29	1113.51	1109.69	1119.60
18	1196.43	1197.76	1179.63	1149.21	1134.97	1137.84	1120.40	1103.16	1099.92	1109.70
19	1188.74	1191.26	1175.94	1144.80	1128.22	1130.74	1110.75	1093.68	1091.22	1099.36
20	1180.08	1183.22	1170.15	1139.34	1121.11	1122.75	1101.45	1083.13	1081.06	1089.51
21	1167.69	1173.98	1164.49	1133.87	1112.86	1114.26	1091.16	1072.95	1068.47	1078.08
22	1151.60	1164.40	1158.29	1128.10	1103.78	1105.62	1079.99	1061.00	1055.37	1067.36
23	1134.43	1150.57	1150.76	1121.49	1094.57	1096.67	1068.32	1049.54	1040.95	1055.46
24	1116.08	1134.15	1142.76	1115.40	1085.14	1086.09	1057.34	1036.88	1026.69	1042.33
25	1096.00	1115.80	1134.04	1108.49	1074.51	1075.34	1045.07	1022.96	1009.04	1029.27
26	1077.47	1096.49	1124.86	1100.77	1063.27	1063.25	1032.82	1006.60	990.67	1013.25
27	1059.68	1076.05	1113.79	1091.47	1053.39	1051.25	1019.61	987.98	970.09	995.46
28	1042.36	1056.91	1101.87	1082.19	1042.82	1038.21	1005.01	969.20	949.41	976.39
29	1028.07	1037.63	1088.41	1071.86	1031.06	1025.34	991.42	949.27	928.25	956.88
30	1014.24	1020.79	1072.31	1061.41	1019.85	1012.59	976.43	928.57	904.75	937.07
31	1001.77	1004.87	1053.87	1051.30	1009.17	999.97	960.71	906.59	883.79	914.91
32	987.60	989.94	1034.66	1040.55	997.99	986.72	944.63	884.39	862.84	892.50
33	973.38	975.36	1015.45	1029.16	984.84	973.23	926.06	862.96	842.04	870.23
34	957.24	961.01	994.74	1017.56	971.54	958.63	906.33	841.56	821.64	847.41
35	940.91	946.53	975.46	1005.68	958.16	943.61	885.96	819.90	799.71	825.39
36	921.47	931.43	955.93	993.31	944.41	927.70	865.89	799.37	778.49	803.66
37	899.83	913.98	935.92	979.76	930.29	911.85	845.16	777.87	756.72	781.81
38	876.87	895.04	916.81	965.94	916.40	895.58	823.43	756.45	735.80	760.14
39	853.84	874.25	898.98	951.75	901.71	878.87	800.07	734.21	715.56	737.58
40	830.70	851.28	881.58	936.76	885.56	861.53	778.42	712.73	695.14	715.33
41	807.98	827.54	864.54	920.54	868.95	842.53	755.40	691.85	674.89	694.36
42	787.18	804.46	847.27	903.65	850.74	823.38	734.00	671.49	654.54	673.87
43	767.15	782.18	828.92	885.83	831.30	801.51	711.23	651.74	633.85	652.43
44	748.18	761.83	810.54	866.78	810.45	779.10	688.80	631.46	611.71	631.48
45	728.75	740.90	791.01	846.14	788.94	756.25	665.56	610.69	587.87	610.32
46	708.43	720.38	770.00	824.16	767.41	732.49	641.79	589.38	564.00	588.67
47	687.14	701.33	748.85	801.01	744.84	707.56	617.28	565.41	540.26	565.62
48	664.16	681.13	725.92	776.80	721.84	683.80	592.60	541.21	515.89	541.62
49	640.79	661.05	702.11	751.81	699.23	659.85	568.54	516.81	492.75	517.18
50	615.70	639.19	677.57	725.88	676.75	634.03	543.99	492.05	469.82	492.18
51	591.96	615.80	652.96	699.23	653.57	609.11	521.22	467.51	448.18	468.41
52	568.31	592.48	631.53	672.67	628.47	584.39	498.37	444.74	426.33	444.72

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

**CANDELA TABULATION - (Cont.)**

53	546.66	568.36	608.70	645.25	604.52	558.87	475.48	423.43	402.09	422.60
54	524.94	543.81	586.21	618.59	580.12	533.32	451.52	402.09	378.21	400.84
55	503.03	521.53	563.95	591.91	555.58	508.07	428.12	379.40	355.52	377.46
56	479.01	500.11	541.12	567.41	531.74	481.69	403.30	354.99	332.88	354.35
57	454.80	477.01	517.53	541.59	507.67	455.90	379.41	331.26	312.48	329.99
58	427.80	453.14	491.22	516.07	483.55	430.34	355.13	308.60	290.94	305.55
59	402.10	427.61	465.30	488.40	458.48	405.46	332.26	288.53	269.92	284.88
60	377.11	400.73	439.76	461.79	433.21	377.23	309.73	268.95	253.30	264.65
61	353.63	373.08	414.25	436.01	408.92	351.96	289.81	248.23	240.45	243.89
62	329.64	347.21	389.10	409.02	383.73	327.24	267.66	232.01	228.97	227.78
63	305.12	323.90	365.05	381.64	357.94	301.31	246.38	219.68	217.05	215.82
64	280.96	300.83	341.69	355.37	330.91	277.71	225.75	208.14	204.58	203.91
65	253.60	276.48	316.22	329.06	308.05	254.35	207.78	196.05	192.27	191.41
66	225.48	251.58	289.15	304.28	283.30	232.13	191.12	183.42	179.59	178.82
67	203.73	225.79	264.37	279.93	259.60	211.76	173.77	171.12	167.25	166.17
68	186.90	197.96	238.51	254.28	236.06	193.19	158.47	158.38	155.65	153.61
69	165.70	176.78	214.06	230.62	211.01	171.30	146.36	145.73	144.96	141.30
70	138.89	160.77	193.22	208.79	188.25	154.06	134.45	134.51	133.39	130.19
71	112.84	140.18	171.41	187.00	166.38	134.54	123.13	123.40	121.98	119.06
72	89.51	113.91	147.63	159.82	145.03	117.29	111.56	112.23	110.92	107.79
73	67.96	88.81	125.80	139.23	126.95	102.88	99.92	101.15	99.82	96.95
74	53.55	69.50	106.68	123.14	103.64	87.81	89.14	90.48	89.35	86.16
75	47.90	52.40	90.67	103.05	87.77	75.63	78.96	80.26	79.74	76.02
76	43.23	43.88	71.54	85.26	71.25	63.29	69.40	70.63	70.41	66.64
77	38.13	39.32	52.97	71.60	55.39	54.26	60.12	61.62	61.60	57.78
78	32.65	34.29	39.86	55.18	44.76	46.72	51.77	53.21	53.16	49.73
79	27.08	29.08	30.51	44.87	35.26	39.62	43.89	45.17	45.27	41.82
80	21.72	23.80	25.23	32.19	28.23	33.06	36.71	37.68	37.71	34.80
81	16.75	18.75	20.65	25.16	22.25	26.97	30.12	30.82	31.01	28.15
82	12.27	14.06	16.16	17.80	17.67	21.45	24.05	24.64	24.76	22.28
83	8.42	9.97	12.04	13.04	13.78	16.57	18.65	19.02	19.08	16.90
84	5.34	6.53	8.29	9.52	10.37	12.42	13.95	14.15	14.24	12.40
85	2.75	3.73	5.29	6.55	7.47	8.76	9.94	9.94	9.96	8.44
86	1.20	1.69	2.66	3.91	4.99	6.00	6.67	6.47	6.53	5.48
87	0.23	0.44	1.12	2.03	3.04	3.66	4.01	3.89	3.89	3.03
88	0.01	0.01	0.17	0.74	1.48	1.89	2.00	1.81	1.76	1.23
89	0.00	0.00	0.00	0.01	0.24	0.55	0.54	0.37	0.49	0.30
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	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	0.00	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	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

**CANDELA TABULATION - (Cont.)**

109	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	0.03	0.05	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.11	0.05	0.03	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.11	0.08	0.05	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.22	0.16	0.08	0.00	0.00	0.03
114	0.00	0.00	0.00	0.00	0.24	0.19	0.14	0.00	0.00	0.03
115	0.00	0.00	0.00	0.00	0.27	0.22	0.14	0.00	0.00	0.08
116	0.00	0.00	0.00	0.00	0.32	0.27	0.16	0.00	0.05	0.08
117	0.00	0.00	0.00	0.00	0.35	0.33	0.19	0.03	0.08	0.11
118	0.00	0.00	0.00	0.00	0.37	0.41	0.22	0.00	0.08	0.14
119	0.00	0.00	0.00	0.00	0.40	0.42	0.23	0.00	0.11	0.14
120	0.00	0.00	0.00	0.00	0.42	0.44	0.25	0.03	0.11	0.16
121	0.00	0.00	0.00	0.00	0.44	0.46	0.27	0.03	0.16	0.19
122	0.00	0.00	0.00	0.00	0.46	0.47	0.28	0.08	0.19	0.19
123	0.00	0.00	0.00	0.00	0.46	0.49	0.30	0.08	0.22	0.25
124	0.00	0.00	0.00	0.00	0.51	0.52	0.30	0.16	0.22	0.27
125	0.00	0.00	0.00	0.00	0.54	0.54	0.33	0.22	0.25	0.36
126	0.00	0.00	0.00	0.00	0.60	0.57	0.38	0.33	0.30	0.41
127	0.00	0.00	0.00	0.00	0.65	0.62	0.41	0.33	0.33	0.44
128	0.00	0.00	0.00	0.00	0.68	0.65	0.41	0.41	0.38	0.49
129	0.00	0.00	0.00	0.00	0.70	0.70	0.44	0.38	0.44	0.52
130	0.00	0.00	0.00	0.00	0.73	0.76	0.49	0.40	0.46	0.55
131	0.00	0.00	0.00	0.05	0.73	0.76	0.49	0.43	0.49	0.57
132	0.00	0.00	0.00	0.08	0.78	0.79	0.52	0.45	0.52	0.59
133	0.00	0.00	0.00	0.16	0.79	0.81	0.52	0.47	0.52	0.61
134	0.00	0.00	0.00	0.14	0.79	0.81	0.54	0.49	0.55	0.63
135	0.00	0.00	0.00	0.14	0.79	0.84	0.60	0.52	0.57	0.65
136	0.00	0.00	0.00	0.16	0.79	0.87	0.63	0.57	0.60	0.65
137	0.00	0.00	0.00	0.19	0.79	0.84	0.68	0.57	0.60	0.71
138	0.00	0.00	0.00	0.30	0.79	0.87	0.71	0.63	0.63	0.74
139	0.00	0.00	0.08	0.35	0.79	0.89	0.76	0.65	0.68	0.76
140	0.00	0.00	0.11	0.38	0.80	0.91	0.76	0.68	0.71	0.79
141	0.00	0.03	0.16	0.40	0.80	0.93	0.79	0.68	0.76	0.82
142	0.03	0.05	0.24	0.41	0.80	0.95	0.82	0.74	0.79	0.82
143	0.13	0.08	0.22	0.43	0.80	0.98	0.87	0.76	0.87	0.87
144	0.16	0.14	0.27	0.44	0.80	1.00	0.92	0.76	0.87	0.87
145	0.27	0.19	0.27	0.46	0.80	1.00	0.95	0.79	0.93	0.90
146	0.30	0.16	0.30	0.47	0.80	1.06	0.98	0.82	0.98	0.93
147	0.33	0.22	0.33	0.49	0.81	1.06	0.98	0.82	1.01	0.95
148	0.33	0.35	0.33	0.49	0.81	1.07	1.03	0.87	0.98	0.95
149	0.33	0.33	0.38	0.52	0.81	1.07	1.09	0.90	1.06	1.01
150	0.33	0.33	0.41	0.57	0.81	1.08	1.09	0.96	1.07	1.03
151	0.33	0.35	0.44	0.68	0.81	1.09	1.17	1.01	1.08	1.05
152	0.33	0.35	0.45	0.70	0.81	1.10	1.19	1.04	1.08	1.07
153	0.35	0.43	0.47	0.71	0.89	1.11	1.17	1.09	1.09	1.10
154	0.41	0.41	0.48	0.73	0.95	1.12	1.20	1.12	1.09	1.12
155	0.44	0.41	0.50	0.74	1.06	1.12	1.25	1.17	1.10	1.14
156	0.44	0.44	0.52	0.75	1.14	1.13	1.22	1.23	1.11	1.12
157	0.49	0.49	0.57	0.75	1.16	1.14	1.25	1.25	1.11	1.14
158	0.49	0.49	0.65	0.76	1.22	1.15	1.28	1.28	1.12	1.20
159	0.65	0.57	0.65	0.77	1.24	1.16	1.28	1.31	1.12	1.23
160	0.65	0.60	0.71	0.78	1.25	1.17	1.28	1.34	1.14	1.23
161	0.71	0.65	0.72	0.79	1.25	1.25	1.28	1.36	1.12	1.28
162	0.73	0.68	0.73	0.79	1.25	1.25	1.28	1.37	1.15	1.30
163	0.75	0.73	0.75	0.80	1.26	1.25	1.28	1.37	1.23	1.31
164	0.78	0.74	0.76	0.81	1.26	1.25	1.28	1.37	1.25	1.33

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

**CANDELA TABULATION - (Cont.)**

165	0.80	0.76	0.77	0.82	1.26	1.25	1.28	1.37	1.25	1.35
166	0.82	0.76	0.79	0.84	1.27	1.25	1.28	1.38	1.28	1.35
167	0.84	0.82	0.87	0.84	1.27	1.26	1.28	1.38	1.29	1.36
168	0.90	0.90	0.87	0.90	1.27	1.26	1.28	1.38	1.29	1.37
169	0.98	0.95	1.03	0.90	1.27	1.26	1.28	1.39	1.30	1.37
170	1.09	1.06	1.09	0.93	1.28	1.26	1.28	1.39	1.30	1.38
171	1.17	1.09	1.12	1.01	1.28	1.26	1.28	1.39	1.31	1.39
172	1.20	1.14	1.14	1.06	1.28	1.26	1.28	1.39	1.31	1.39
173	1.17	1.17	1.25	1.09	1.29	1.27	1.28	1.39	1.32	1.40
174	1.23	1.17	1.22	1.14	1.29	1.27	1.28	1.39	1.33	1.41
175	1.28	1.20	1.22	1.17	1.29	1.27	1.28	1.39	1.33	1.42
176	1.28	1.22	1.22	1.20	1.29	1.27	1.28	1.39	1.34	1.39
177	1.31	1.23	1.22	1.20	1.30	1.27	1.28	1.39	1.31	1.39
178	1.36	1.23	1.22	1.20	1.30	1.27	1.25	1.42	1.25	1.33
179	1.34	1.25	1.22	1.20	1.30	1.27	1.22	1.39	1.20	1.33
180	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30

**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	1196.71	1196.71	1196.71	1196.71	1196.71	1196.71	1196.71
1	1198.00	1197.04	1197.36	1196.08	1196.94	1196.88	1196.32
2	1196.67	1197.24	1196.66	1196.30	1198.03	1198.79	1197.97
3	1196.91	1196.01	1196.16	1197.14	1199.25	1201.06	1201.00
4	1196.87	1194.85	1194.89	1196.66	1200.47	1202.23	1203.31
5	1195.33	1193.85	1193.15	1196.25	1200.77	1203.53	1204.46
6	1193.63	1192.92	1190.85	1194.38	1200.56	1204.70	1206.27
7	1192.18	1191.35	1188.29	1192.98	1200.22	1205.53	1207.67
8	1190.94	1189.67	1185.48	1190.98	1199.20	1207.03	1209.61
9	1187.28	1186.99	1182.47	1189.09	1198.85	1208.09	1211.20
10	1183.20	1184.01	1179.15	1187.36	1198.60	1209.19	1212.72
11	1180.30	1179.91	1174.13	1184.87	1197.72	1210.84	1213.45
12	1174.43	1176.07	1168.75	1182.51	1196.73	1211.32	1214.28
13	1167.67	1171.81	1163.03	1177.57	1195.56	1211.92	1214.20
14	1160.84	1167.37	1158.23	1173.11	1194.12	1211.23	1212.69
15	1154.11	1163.57	1153.28	1170.27	1192.61	1210.52	1210.50
16	1146.85	1158.64	1148.33	1167.11	1191.37	1207.96	1206.35
17	1137.25	1152.25	1142.86	1163.36	1188.71	1202.63	1202.30
18	1129.83	1146.43	1136.80	1158.85	1185.28	1197.65	1196.43
19	1119.60	1140.11	1129.90	1155.15	1181.86	1191.36	1188.74
20	1109.14	1132.42	1121.80	1150.17	1176.65	1184.50	1180.08
21	1098.57	1122.40	1113.65	1144.88	1170.17	1174.23	1167.69
22	1087.24	1111.43	1105.12	1138.94	1163.93	1162.42	1151.60
23	1075.27	1101.27	1096.18	1131.40	1158.34	1148.68	1134.43
24	1063.54	1091.18	1087.38	1123.85	1150.30	1131.55	1116.08
25	1051.83	1080.89	1077.44	1115.17	1140.94	1113.00	1096.00
26	1039.28	1070.24	1067.39	1105.35	1131.48	1093.52	1077.47
27	1025.36	1058.31	1057.62	1096.59	1120.29	1074.29	1059.68
28	1011.14	1045.36	1046.75	1087.03	1106.59	1055.91	1042.36
29	996.85	1032.44	1035.32	1077.06	1090.47	1038.49	1028.07
30	982.97	1018.85	1023.83	1066.94	1072.61	1021.73	1014.24
31	966.78	1005.83	1012.97	1056.82	1053.61	1006.03	1001.77
32	950.81	993.06	1000.76	1045.59	1035.53	992.44	987.60
33	932.74	979.05	987.62	1033.87	1013.98	978.57	973.38
34	913.69	964.52	974.17	1022.64	994.06	964.16	957.24
35	894.44	950.84	961.41	1010.42	973.48	949.04	940.91

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

**CANDELA TABULATION - (Cont.)**

36	873.81	935.35	947.64	998.63	953.53	932.78	921.47
37	852.38	920.18	935.19	985.39	934.54	913.88	899.83
38	829.85	904.33	921.47	971.41	917.84	894.09	876.87
39	807.10	888.23	907.28	956.84	900.93	873.62	853.84
40	784.37	871.14	892.72	941.33	883.49	849.38	830.70
41	762.50	853.07	876.40	925.79	867.82	826.78	807.98
42	740.47	832.15	856.85	908.21	849.75	804.03	787.18
43	719.08	809.58	837.24	891.04	831.28	781.67	767.15
44	696.82	786.21	814.55	872.48	811.78	760.31	748.18
45	673.62	761.79	792.23	852.47	790.63	740.51	728.75
46	649.50	736.99	770.10	829.68	768.37	720.77	708.43
47	623.93	713.25	745.89	805.67	744.27	701.13	687.14
48	597.55	688.66	722.54	779.79	719.41	681.25	664.16
49	571.36	664.40	699.69	751.92	695.58	660.44	640.79
50	546.03	638.86	677.06	723.75	670.55	637.83	615.70
51	521.72	612.37	654.52	695.24	648.57	613.16	591.96
52	497.25	586.97	630.71	668.12	625.60	590.40	568.31
53	473.89	559.65	606.60	640.92	604.01	565.08	546.66
54	449.77	531.56	580.37	615.15	582.46	539.84	524.94
55	426.39	504.45	554.53	591.00	560.86	517.56	503.03
56	401.71	478.43	529.68	566.28	536.78	494.36	479.01
57	377.35	453.32	503.56	541.30	511.22	470.25	454.80
58	351.84	426.11	479.60	516.29	487.29	445.62	427.80
59	327.45	400.81	454.67	489.27	460.95	419.07	402.10
60	304.46	373.59	429.49	460.53	432.55	392.07	377.11
61	281.97	346.73	402.43	431.68	407.23	365.43	353.63
62	259.68	319.29	375.38	402.49	380.62	341.02	329.64
63	238.79	294.06	347.29	373.47	354.19	315.87	305.12
64	217.94	268.51	323.06	345.97	327.17	292.40	280.96
65	198.05	245.10	299.22	322.01	301.11	267.67	253.60
66	181.05	220.66	272.89	296.72	273.17	242.36	225.48
67	163.68	197.75	246.32	270.45	247.22	214.36	203.73
68	149.94	176.10	222.00	246.91	222.73	191.13	186.90
69	137.84	157.04	198.41	221.96	199.78	173.49	165.70
70	126.18	137.19	175.48	197.43	177.61	153.45	138.89
71	114.46	118.73	149.69	170.97	153.93	126.78	112.84
72	102.47	100.94	129.15	150.53	131.40	101.23	89.51
73	91.22	86.26	107.78	129.64	111.91	79.24	67.96
74	80.65	71.91	86.58	108.77	92.64	58.98	53.55
75	70.75	57.98	69.85	89.90	72.62	45.64	47.90
76	61.51	49.63	52.76	71.68	53.50	40.62	43.23
77	52.53	42.43	40.40	56.67	39.68	36.19	38.13
78	44.69	35.87	31.42	43.15	29.39	31.17	32.65
79	37.40	29.73	23.72	31.21	24.56	25.99	27.08
80	30.80	24.19	18.29	23.71	20.27	20.83	21.72
81	24.73	19.14	14.56	15.52	15.90	15.97	16.75
82	19.29	14.79	11.37	11.70	11.85	11.63	12.27
83	14.52	10.95	8.51	8.63	8.24	7.92	8.42
84	10.44	7.92	5.91	5.86	5.31	4.92	5.34
85	7.10	5.30	3.80	3.44	2.80	2.45	2.75
86	4.39	3.12	2.12	1.72	1.29	1.00	1.20
87	2.33	1.45	0.87	0.57	0.28	0.14	0.23
88	0.78	0.29	0.02	0.00	0.01	0.00	0.01
89	0.00	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
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSME MD F UV D 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	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.08	0.00	0.00	0.00	0.00	0.00
110	0.05	0.08	0.00	0.00	0.00	0.00	0.00
111	0.06	0.14	0.00	0.00	0.00	0.00	0.00
112	0.14	0.16	0.00	0.00	0.00	0.00	0.00
113	0.16	0.22	0.00	0.00	0.00	0.00	0.00
114	0.19	0.27	0.00	0.00	0.00	0.00	0.00
115	0.22	0.30	0.00	0.00	0.00	0.00	0.00
116	0.25	0.35	0.00	0.00	0.00	0.00	0.00
117	0.27	0.41	0.00	0.00	0.00	0.00	0.00
118	0.25	0.41	0.00	0.00	0.00	0.00	0.00
119	0.30	0.43	0.00	0.00	0.00	0.00	0.00
120	0.30	0.45	0.00	0.00	0.00	0.00	0.00
121	0.31	0.48	0.00	0.00	0.00	0.00	0.00
122	0.32	0.50	0.00	0.00	0.00	0.00	0.00
123	0.32	0.52	0.00	0.00	0.00	0.00	0.00
124	0.33	0.55	0.00	0.00	0.00	0.00	0.00
125	0.35	0.57	0.00	0.00	0.00	0.00	0.00
126	0.37	0.57	0.03	0.00	0.00	0.00	0.00
127	0.39	0.60	0.03	0.00	0.00	0.00	0.00
128	0.41	0.62	0.08	0.00	0.00	0.00	0.00
129	0.44	0.64	0.11	0.00	0.00	0.00	0.00
130	0.46	0.66	0.16	0.00	0.00	0.00	0.00
131	0.49	0.69	0.19	0.00	0.00	0.00	0.00
132	0.49	0.71	0.22	0.00	0.00	0.00	0.00
133	0.54	0.68	0.29	0.00	0.00	0.00	0.00
134	0.57	0.71	0.32	0.00	0.00	0.00	0.00
135	0.57	0.71	0.33	0.00	0.00	0.00	0.00
136	0.63	0.72	0.34	0.03	0.00	0.00	0.00
137	0.63	0.73	0.35	0.03	0.00	0.00	0.00
138	0.66	0.74	0.36	0.08	0.00	0.05	0.00
139	0.69	0.76	0.37	0.11	0.00	0.05	0.00
140	0.72	0.77	0.38	0.13	0.08	0.11	0.00
141	0.76	0.79	0.40	0.16	0.19	0.19	0.00
142	0.79	0.80	0.46	0.19	0.23	0.19	0.03
143	0.82	0.82	0.51	0.22	0.27	0.27	0.13
144	0.84	0.85	0.49	0.24	0.30	0.33	0.16
145	0.87	0.87	0.51	0.27	0.34	0.34	0.27
146	0.90	0.95	0.51	0.30	0.37	0.35	0.30
147	0.93	0.98	0.51	0.33	0.40	0.36	0.33

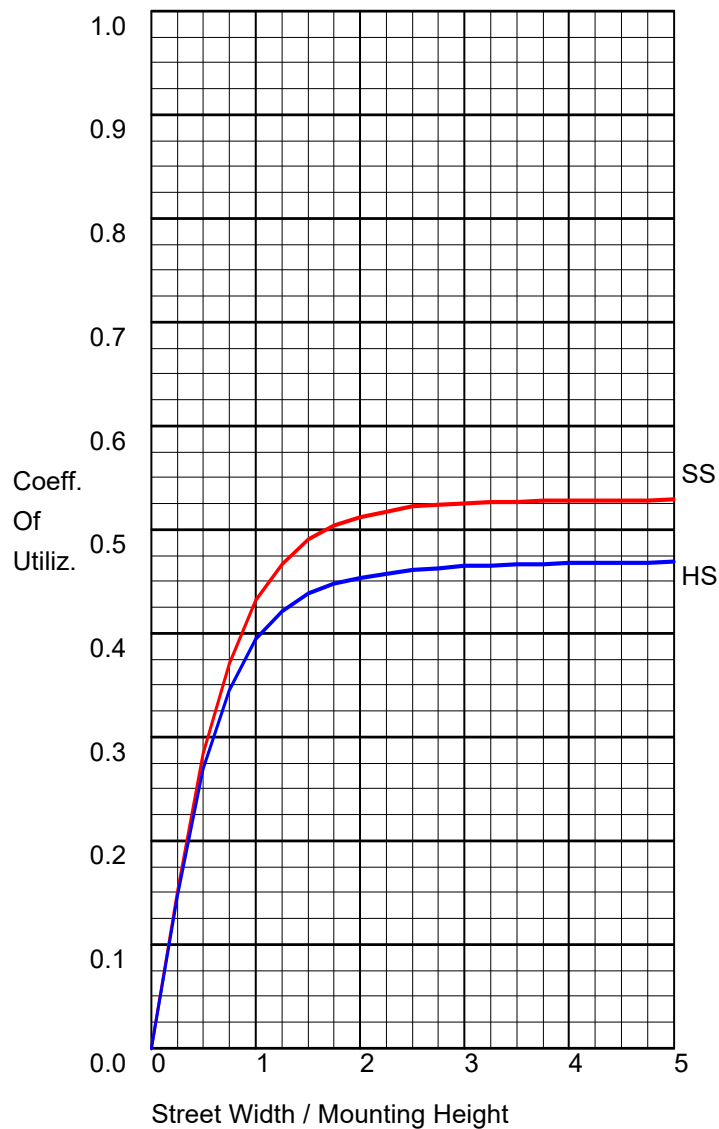


**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSME MD F UV D 840.IES**

**CANDELA TABULATION - (Cont.)**

<b>148</b>	0.98	1.00	0.51	0.35	0.43	0.37	0.33
<b>149</b>	1.03	1.02	0.51	0.40	0.46	0.38	0.33
<b>150</b>	1.06	1.04	0.51	0.46	0.47	0.41	0.33
<b>151</b>	1.14	1.05	0.51	0.54	0.48	0.42	0.33
<b>152</b>	1.17	1.07	0.51	0.60	0.49	0.43	0.33
<b>153</b>	1.20	1.09	0.52	0.62	0.51	0.44	0.35
<b>154</b>	1.20	1.06	0.52	0.70	0.51	0.45	0.41
<b>155</b>	1.20	1.06	0.53	0.68	0.51	0.46	0.44
<b>156</b>	1.20	1.09	0.54	0.73	0.51	0.47	0.44
<b>157</b>	1.21	1.09	0.54	0.74	0.51	0.48	0.49
<b>158</b>	1.21	1.12	0.65	0.74	0.52	0.49	0.49
<b>159</b>	1.21	1.17	0.70	0.75	0.60	0.50	0.65
<b>160</b>	1.21	1.17	0.81	0.75	0.62	0.51	0.65
<b>161</b>	1.22	1.20	0.89	0.76	0.65	0.52	0.71
<b>162</b>	1.22	1.25	0.89	0.77	0.67	0.53	0.73
<b>163</b>	1.22	1.26	0.95	0.77	0.69	0.54	0.75
<b>164</b>	1.22	1.26	0.97	0.78	0.72	0.62	0.78
<b>165</b>	1.23	1.26	1.00	0.79	0.74	0.71	0.80
<b>166</b>	1.23	1.26	1.14	0.84	0.76	0.74	0.82
<b>167</b>	1.23	1.26	1.14	0.87	0.81	0.74	0.84
<b>168</b>	1.23	1.26	1.15	0.89	0.84	0.79	0.90
<b>169</b>	1.23	1.27	1.16	0.95	0.92	0.82	0.98
<b>170</b>	1.24	1.27	1.17	1.06	1.06	0.90	1.09
<b>171</b>	1.24	1.27	1.18	1.08	1.11	1.03	1.17
<b>172</b>	1.24	1.27	1.19	1.10	1.14	1.06	1.20
<b>173</b>	1.24	1.27	1.20	1.12	1.22	1.12	1.17
<b>174</b>	1.25	1.27	1.21	1.14	1.22	1.17	1.23
<b>175</b>	1.25	1.28	1.22	1.16	1.30	1.17	1.28
<b>176</b>	1.25	1.28	1.27	1.16	1.36	1.17	1.28
<b>177</b>	1.25	1.28	1.24	1.16	1.36	1.17	1.31
<b>178</b>	1.25	1.25	1.27	1.22	1.36	1.20	1.36
<b>179</b>	1.28	1.25	1.30	1.22	1.36	1.20	1.34
<b>180</b>	1.30	1.30	1.30	1.30	1.30	1.30	1.30

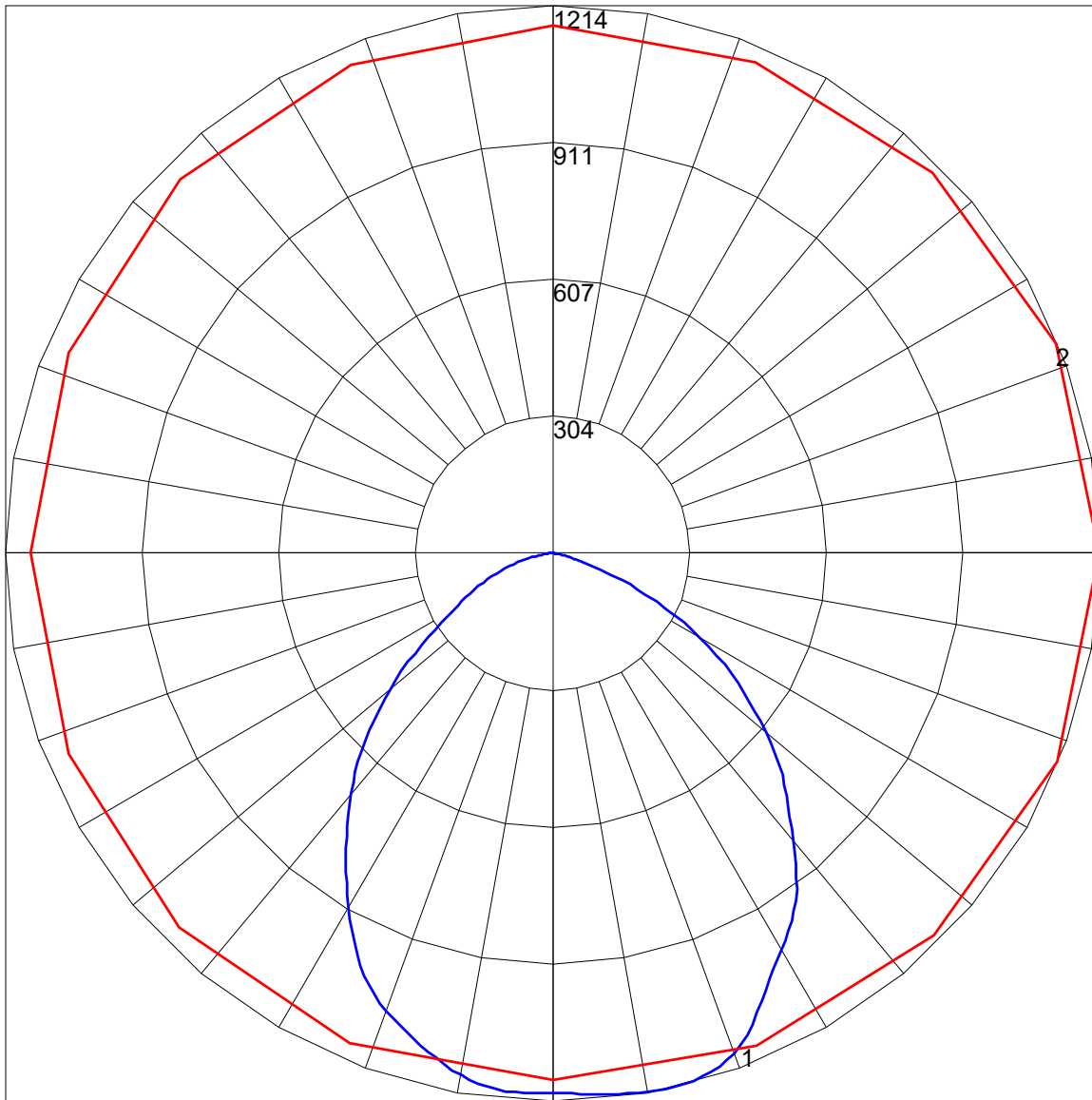
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

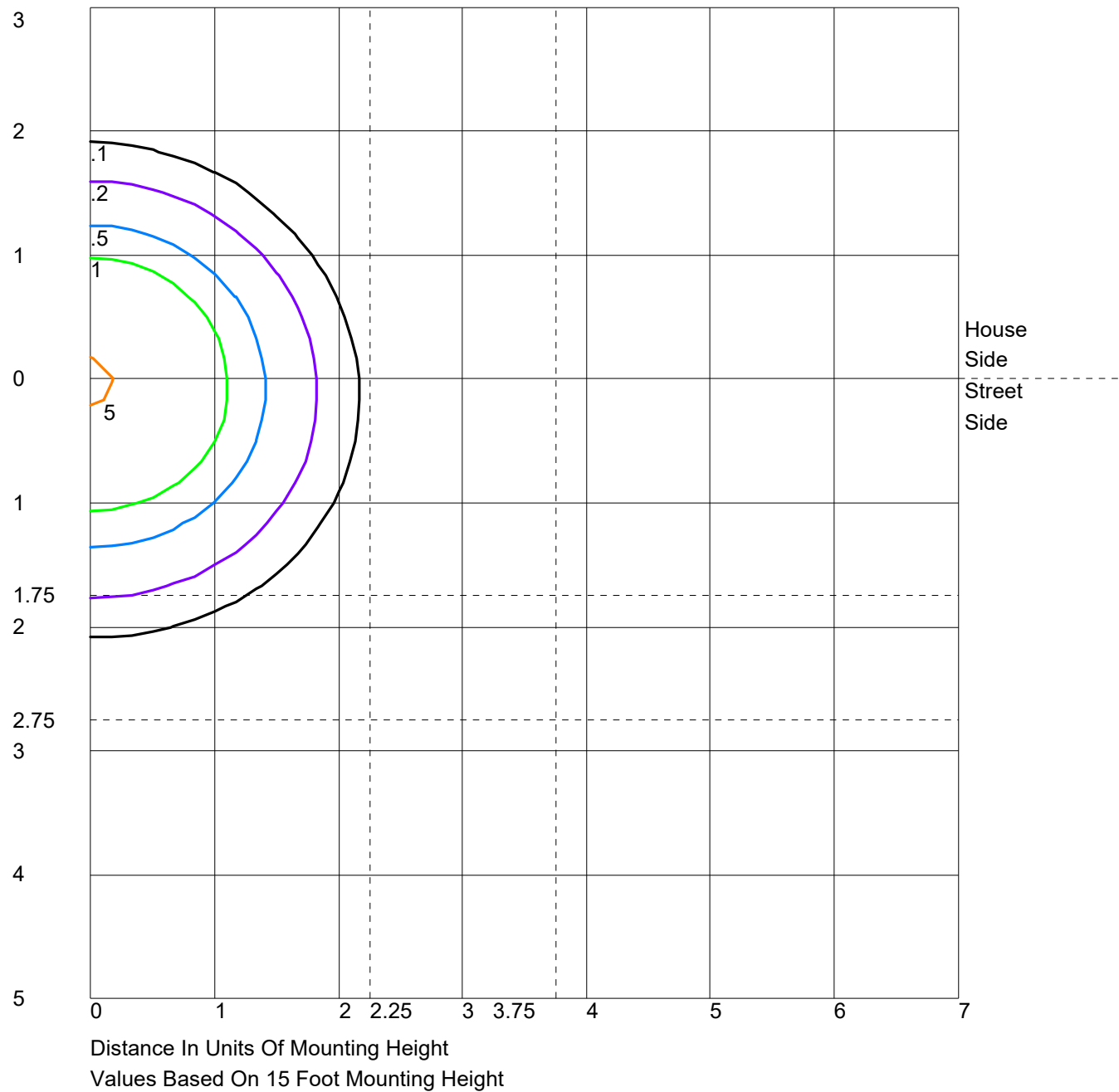
	Lumens	Percent Of Luminaire
Downward Street Side	1524.5	52.9
Downward House Side	1353.9	47.0
Downward Total	2878.4	99.9
Upward Street Side	0.5	0.0
Upward House Side	1.2	0.0
Upward Total	1.7	0.1
Total Flux	2880.1	100.0

POLAR GRAPH

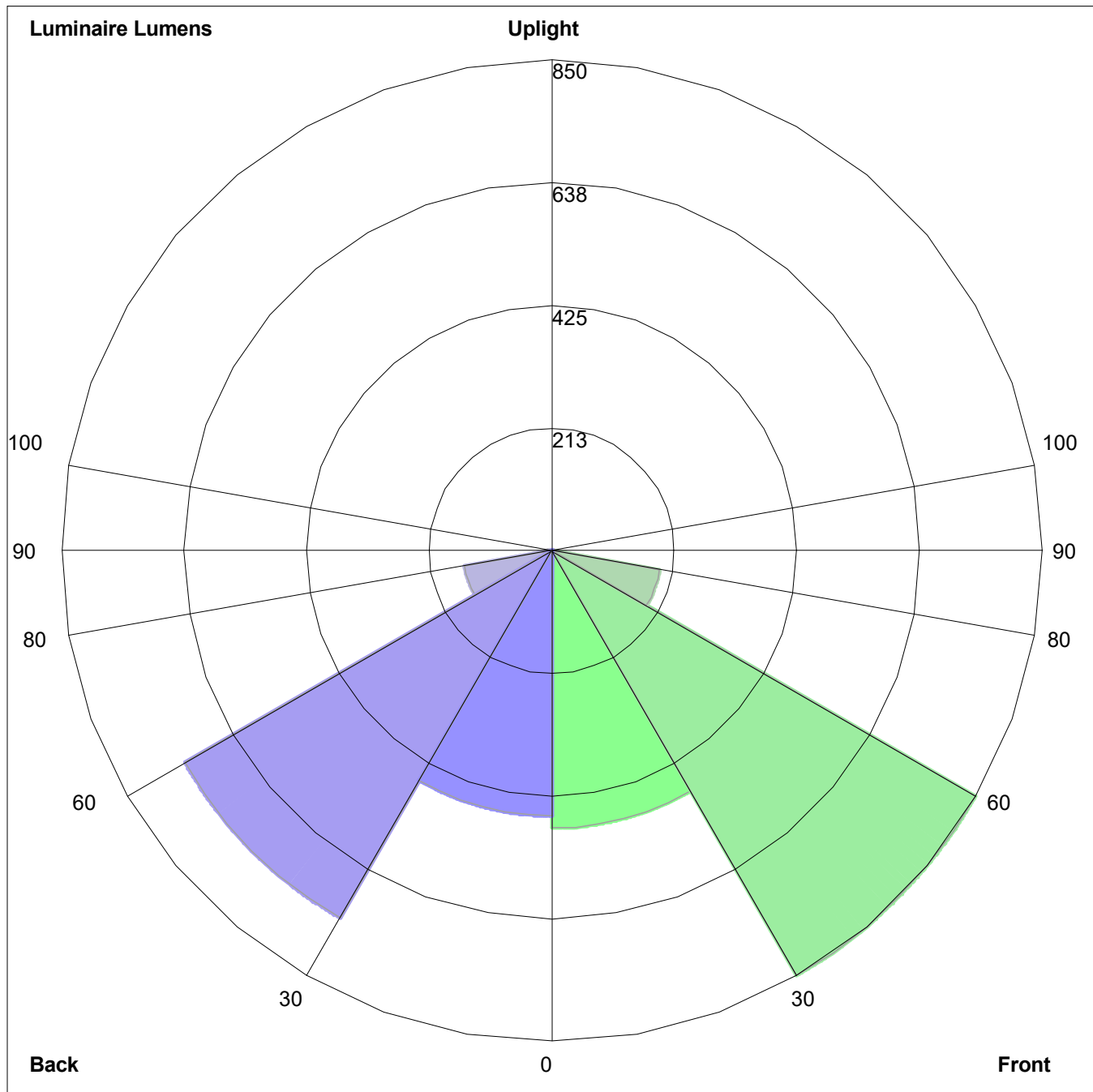


Maximum Candela = 1214.28 Located At Horizontal Angle = 360, Vertical Angle = 12  
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (12) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=480.8, Medium=850.1, High=189.9, Very High=3.7  
Back: Low=459.5, Medium=735.3, High=153.2, Very High=5.9  
Uplight: Low=0.0, High=1.7

BUG Rating : B1-U1-G1