



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WPM HI F UV CPP 740.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 27 December 2017

[ISSUEDATE] 2018-01-06 11:14:51

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] WPM HI F UV CPP 740

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	53.83	53.83	2.18	2.18
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[OTHER]	10- 20	152.25	206.08	8.35	8.35
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[OTHER]	20- 30	219.07	425.15	17.23	17.23
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[OTHER]	30- 40	254.93	680.08	27.56	27.56
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[OTHER]	40- 50	282.23	962.31	39.00	39.00
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[OTHER]	50- 60	304.54	1266.86	51.34	51.34
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[OTHER]	60- 70	302.59	1569.44	63.60	63.60
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[OTHER]	70- 80	266.96	1836.40	74.42	74.42
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[OTHER]	80- 90	210.96	2047.36	82.96	82.96
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[OTHER]	90-100	154.43	2201.79	89.22	89.22
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[OTHER]	100-110	101.55	2303.34	93.34	93.34
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[OTHER]	110-120	64.63	2367.97	95.96	95.96
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[OTHER]	120-130	38.91	2406.88	97.53	97.53
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[OTHER]	130-140	25.70	2432.58	98.57	98.57
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[OTHER]	140-150	17.87	2450.45	99.30	99.30
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[OTHER]	150-160	11.56	2462.02	99.77	99.77
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[OTHER]	160-170	5.16	2467.18	99.98	99.98
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[OTHER]	170-180	0.60	2467.77	100.00	100.00
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[OTHER]

### CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2468
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	20.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.17
Maximum Candela	832.54
Maximum Candela Angle	360H 57V
Maximum Candela (<90 Degrees Vertical)	832.54
Maximum Candela Angle (<90 Degrees Vertical)	360H 57V
Maximum Candela At 90 Degrees Vertical	521.44 (21.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	707.59 (28.7% Luminaire Lumens)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	267.6	N.A.	10.8
FM - Front-Medium (30-60)	656.8	N.A.	26.6
FH - Front-High (60-80)	492.2	N.A.	19.9
FVH - Front-Very High (80-90)	187.0	N.A.	7.6
BL - Back-Low (0-30)	157.5	N.A.	6.4
BM - Back-Medium (30-60)	184.9	N.A.	7.5
BH - Back-High (60-80)	77.4	N.A.	3.1
BVH - Back-Very High (80-90)	24.0	N.A.	1.0
UL - Uplight-Low (90-100)	154.5	N.A.	6.3
UH - Uplight-High (100-180)	266.0	N.A.	10.8
Total	2467.9	N.A.	100.0
BUG Rating	B1-U3-G2		

**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	559.67	559.67	559.67	559.67	559.67	559.67	559.67	559.67	559.67	559.67
1	576.06	572.28	569.44	565.62	559.25	556.00	555.23	554.73	555.08	556.93
2	593.14	587.50	581.84	577.49	566.67	561.67	552.09	545.13	545.75	550.77
3	608.75	604.47	599.52	584.55	567.16	560.04	549.08	528.89	523.62	532.74
4	622.08	618.01	612.03	589.53	575.45	561.17	533.88	510.73	500.31	511.44
5	631.77	629.95	621.73	608.02	583.80	568.15	523.10	490.46	477.89	490.43
6	642.97	642.74	634.16	621.42	585.84	566.73	510.17	474.62	462.41	473.03
7	653.80	653.81	649.21	626.27	588.65	554.16	495.78	465.54	451.98	462.68
8	654.37	660.83	665.14	633.14	592.25	546.18	484.72	457.39	445.44	450.18
9	643.73	661.71	675.35	639.26	593.97	539.05	477.65	452.56	436.51	440.14
10	640.80	653.88	681.35	650.09	592.92	533.28	472.96	444.89	425.01	431.29
11	644.09	652.64	684.18	653.91	592.35	523.32	467.08	436.21	413.12	423.07
12	645.69	655.43	681.39	655.24	597.09	518.27	462.21	426.43	395.17	408.40
13	647.70	659.99	674.41	662.06	599.08	514.19	455.97	401.95	374.48	387.23
14	642.43	663.12	671.81	671.21	602.73	502.76	455.60	379.67	357.86	369.19
15	642.16	662.54	674.69	680.82	601.75	493.94	449.46	364.77	345.69	354.85
16	649.17	664.98	676.50	680.65	593.55	494.24	436.74	355.32	333.84	345.34
17	659.52	667.52	676.29	684.99	594.16	491.49	418.36	345.63	312.63	336.19
18	665.85	673.79	681.54	689.41	594.95	484.49	402.34	331.27	285.95	322.76
19	657.84	677.21	676.28	685.69	592.99	477.01	393.19	307.96	266.85	296.92
20	647.98	676.45	674.51	684.51	590.44	468.41	382.90	291.90	251.87	276.85
21	648.07	667.65	679.05	683.75	584.85	465.18	370.87	274.05	231.58	261.04
22	652.82	662.53	681.72	675.81	584.55	455.82	360.02	256.25	211.77	248.81
23	662.63	663.15	684.40	665.61	574.63	450.73	350.37	237.46	198.60	229.49
24	669.08	671.84	687.98	654.37	567.57	448.99	333.58	222.70	182.08	214.25
25	672.52	683.25	691.37	644.16	559.91	436.63	317.32	212.15	161.73	204.02
26	665.05	689.64	683.71	644.70	548.27	424.46	302.51	196.38	146.91	186.23
27	649.94	686.40	676.85	636.67	544.36	415.56	287.94	179.57	130.98	166.50
28	640.14	671.47	676.76	619.01	538.22	406.03	273.55	161.79	115.21	151.90
29	640.37	653.67	674.72	609.48	533.64	391.96	259.26	145.99	105.66	135.60
30	641.63	643.07	664.00	607.23	525.33	385.41	244.52	130.91	97.80	120.75
31	653.63	641.22	666.55	601.11	521.46	376.97	231.72	119.10	89.53	111.37
32	668.84	644.92	664.74	597.01	515.13	370.09	219.38	111.84	84.66	103.44
33	671.05	659.05	655.92	594.42	512.59	355.60	207.72	104.09	81.58	97.05
34	670.95	684.47	643.38	587.58	506.52	341.94	196.68	96.86	79.68	91.31
35	671.52	693.63	642.61	576.92	495.20	332.99	186.59	92.90	78.42	88.16
36	668.03	685.22	645.03	562.29	485.27	325.02	175.20	90.56	77.03	85.94
37	653.50	668.11	644.60	551.31	477.81	314.55	159.90	88.96	76.45	84.69
38	645.61	651.00	639.58	546.51	470.03	304.57	145.78	88.17	76.28	83.43
39	656.16	647.51	634.83	546.62	467.85	288.70	137.33	86.99	73.53	82.23
40	647.80	649.47	626.20	544.31	462.92	277.92	127.88	85.69	70.27	81.45
41	622.79	640.69	607.28	542.39	451.91	271.70	117.74	84.98	67.24	81.31
42	629.21	634.05	591.03	542.75	457.35	260.76	109.34	84.45	63.83	80.46
43	626.92	643.47	587.89	537.79	457.16	252.21	102.88	81.53	60.14	77.62
44	628.84	661.08	588.68	543.21	466.02	241.71	97.69	78.73	57.42	74.79
45	668.52	658.72	584.94	549.56	454.40	238.08	92.78	76.37	55.54	72.11
46	709.50	656.63	571.17	533.53	443.90	237.81	89.60	73.56	53.39	68.84
47	737.87	664.74	564.64	523.55	443.95	241.27	85.18	70.64	49.70	65.73
48	729.73	664.96	565.50	521.37	442.77	226.29	81.10	68.10	46.82	63.46
49	695.35	671.93	564.23	516.42	432.41	221.56	78.21	65.99	44.46	61.41
50	656.20	670.01	565.78	523.00	426.75	211.66	76.20	63.98	41.76	59.46
51	676.50	644.83	568.64	513.31	421.23	208.96	75.08	61.80	39.05	57.49
52	706.55	642.72	559.83	502.84	417.40	198.70	74.54	58.67	36.66	54.86

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**CANDELA TABULATION - (Cont.)**

53	695.91	657.01	543.21	502.47	407.19	192.58	73.73	55.65	34.78	52.33
54	725.74	675.15	542.39	486.44	406.51	176.44	71.69	52.77	33.22	49.95
55	733.62	709.22	530.50	474.05	406.39	165.79	69.25	50.33	30.36	47.73
56	758.09	687.93	512.81	491.43	413.44	162.08	68.08	47.91	28.17	45.29
57	832.54	693.14	512.86	482.23	404.27	156.75	66.73	45.58	26.76	43.03
58	723.33	765.86	518.80	482.88	399.17	155.27	65.96	43.48	25.41	40.96
59	705.94	696.99	529.44	469.01	383.33	147.35	65.58	41.72	23.55	39.34
60	771.31	658.09	514.07	472.68	368.91	139.90	64.86	40.04	22.28	37.82
61	697.92	710.43	539.81	471.30	368.50	137.36	64.13	38.48	21.32	36.43
62	724.76	661.46	544.89	457.80	347.80	135.14	64.24	36.82	19.90	34.70
63	735.37	673.15	520.69	456.40	343.26	129.67	63.70	34.88	18.56	32.94
64	738.44	651.72	522.06	447.07	330.83	124.64	61.91	33.14	16.97	31.33
65	758.89	662.82	495.63	425.87	319.35	118.18	61.10	31.60	15.59	29.93
66	784.55	679.15	499.39	415.74	306.21	110.45	58.76	30.05	14.45	28.47
67	752.51	685.07	476.70	409.70	292.52	103.53	58.09	28.48	13.38	27.19
68	734.33	670.86	486.38	409.90	283.57	99.74	56.75	27.07	12.44	25.91
69	730.47	663.44	472.34	382.74	267.77	96.96	55.48	25.90	11.38	24.55
70	767.14	652.83	458.33	367.14	262.52	93.73	54.47	24.75	10.37	23.24
71	762.98	654.77	454.39	345.75	253.41	88.21	53.06	23.58	9.44	22.16
72	820.83	682.03	435.80	342.96	244.71	84.05	51.98	22.46	8.69	20.84
73	815.45	726.35	425.38	327.00	236.13	81.85	51.68	21.44	7.94	19.71
74	725.09	663.34	446.11	312.95	220.16	77.79	49.34	20.15	7.24	18.43
75	704.41	634.75	413.89	307.27	217.85	73.95	48.80	18.92	6.55	17.25
76	746.52	643.58	395.47	293.43	213.11	70.41	46.78	17.75	5.77	16.14
77	657.08	599.40	379.58	280.75	206.47	67.69	45.47	16.79	5.04	15.12
78	703.90	632.21	375.83	270.66	190.60	65.52	45.34	16.05	4.27	14.30
79	686.89	594.59	357.17	257.08	183.99	63.12	44.20	15.25	3.47	13.58
80	604.93	539.03	339.60	242.53	178.16	61.42	43.57	14.61	2.69	12.99
81	707.59	607.37	339.00	235.65	172.81	59.21	42.57	14.00	1.91	12.50
82	689.98	575.88	336.66	228.98	164.82	57.67	41.61	13.64	0.83	12.23
83	705.86	627.57	320.61	223.93	158.58	56.59	41.15	13.32	0.42	11.94
84	656.78	541.33	304.99	215.24	155.63	55.82	40.77	13.27	0.48	11.99
85	601.33	522.05	287.98	208.49	151.46	54.16	40.23	13.33	0.55	12.08
86	572.44	490.54	274.15	203.48	145.96	52.74	39.54	13.38	0.63	12.21
87	524.39	449.31	275.06	201.35	138.86	51.73	39.44	13.38	0.64	12.29
88	499.41	451.67	280.67	196.61	132.45	50.80	38.56	13.41	0.69	12.37
89	540.72	461.98	269.03	191.62	126.66	49.74	38.38	13.48	0.74	12.47
90	521.44	477.03	261.44	186.95	121.81	49.15	38.15	13.64	0.79	12.63
91	519.10	413.83	264.48	184.69	118.06	49.07	37.67	13.70	0.82	12.71
92	457.47	386.48	262.84	180.94	115.81	48.78	37.53	13.77	0.85	12.89
93	428.97	354.52	248.36	178.91	115.19	48.43	37.50	13.91	0.90	13.03
94	404.96	375.85	241.78	171.71	114.52	47.96	37.40	14.04	0.93	13.21
95	429.17	372.08	239.15	168.12	112.61	47.86	37.39	14.06	0.93	13.18
96	401.93	332.27	232.14	164.44	110.24	47.90	37.80	13.90	0.93	13.21
97	347.31	308.84	229.20	158.77	108.02	47.31	38.07	13.91	0.94	13.16
98	306.17	292.43	222.10	153.10	106.28	46.98	38.43	13.92	0.94	13.08
99	304.17	281.13	218.09	148.12	105.76	46.17	38.42	13.92	0.94	13.00
100	292.71	243.99	211.88	144.40	102.73	45.25	37.45	13.93	0.95	12.89
101	256.02	229.82	208.76	138.85	100.31	44.37	36.32	13.93	0.95	12.68
102	240.23	219.45	204.86	133.08	96.69	43.49	35.08	13.98	0.95	12.55
103	226.11	211.41	197.39	128.46	93.42	42.73	33.97	13.95	0.96	12.33
104	214.91	207.39	188.15	124.58	91.16	41.78	33.28	13.77	0.96	12.18
105	209.20	198.96	179.64	120.38	88.39	40.95	32.79	13.50	0.97	12.12
106	202.14	195.23	171.59	115.72	85.76	40.13	32.15	13.06	0.97	11.83
107	188.61	190.15	165.20	111.20	83.21	38.88	31.78	12.37	0.97	11.33
108	159.29	182.20	159.93	106.78	81.86	37.83	31.60	11.74	0.98	10.68

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**CANDELA TABULATION - (Cont.)**

109	126.97	172.63	156.13	102.79	79.76	36.58	30.86	11.48	0.92	10.09
110	108.86	162.49	152.88	97.75	78.81	35.49	29.46	11.51	0.90	9.64
111	101.45	154.99	148.05	92.59	78.10	34.51	28.27	11.58	0.90	9.56
112	96.47	150.46	142.41	89.65	76.15	33.64	27.17	11.56	0.92	9.59
113	92.04	146.59	137.32	87.68	75.26	33.04	25.95	11.45	0.87	9.73
114	88.61	143.46	132.25	82.97	71.22	32.14	24.74	11.29	0.90	9.96
115	83.53	140.88	129.87	80.35	67.78	31.47	23.53	10.86	0.85	10.01
116	80.25	135.39	127.37	76.80	67.91	30.79	22.27	10.45	0.85	10.01
117	78.19	132.65	122.75	75.06	66.45	29.67	21.28	9.97	0.85	9.93
118	76.31	125.18	117.88	71.86	62.55	28.04	20.01	9.23	0.85	9.56
119	74.10	120.07	110.99	66.80	59.88	26.58	18.70	8.36	0.85	9.03
120	72.49	114.91	103.53	64.06	58.39	25.17	17.27	7.59	0.85	8.42
121	71.81	109.48	96.23	62.05	54.20	23.97	15.70	6.99	0.85	7.68
122	72.17	105.14	89.44	60.48	52.39	23.11	14.40	6.62	0.85	7.06
123	70.21	100.71	84.48	59.05	49.72	22.21	13.69	6.41	0.85	6.42
124	67.11	95.24	80.84	57.60	46.80	21.07	13.81	6.39	0.85	6.05
125	64.01	90.40	78.95	56.37	43.63	20.22	14.48	6.47	0.85	5.78
126	60.62	84.96	78.41	56.02	41.16	19.36	14.90	6.57	0.85	5.60
127	57.94	80.85	78.64	55.36	39.00	18.49	14.54	6.54	0.85	5.60
128	55.50	78.01	79.14	54.89	37.52	17.82	13.50	6.27	0.85	5.63
129	52.37	75.57	76.82	55.09	36.12	17.36	12.78	5.96	0.85	5.68
130	49.24	73.82	73.34	55.76	35.14	17.28	12.16	5.69	0.85	5.90
131	46.85	72.41	69.63	55.10	33.92	17.28	11.57	5.38	0.85	6.26
132	45.28	70.02	65.67	54.09	32.99	17.55	10.92	5.09	0.85	6.26
133	44.22	69.08	62.44	53.93	32.47	18.09	10.12	5.12	0.85	6.16
134	44.83	68.95	59.36	54.90	32.71	18.04	9.24	5.17	0.85	6.02
135	43.86	70.06	56.57	54.29	33.12	17.44	8.57	5.29	0.85	6.05
136	43.81	70.53	54.37	53.64	32.77	16.41	8.09	5.57	0.85	6.11
137	44.05	70.00	53.45	52.25	31.25	15.82	7.91	5.87	0.85	6.32
138	44.50	69.34	53.88	50.37	30.55	14.94	7.91	6.36	0.85	6.53
139	43.70	68.85	55.67	48.90	29.56	14.27	8.00	6.65	0.85	6.66
140	43.40	67.06	57.26	46.67	28.00	13.63	8.23	6.87	0.85	6.63
141	42.95	67.49	57.71	43.64	26.23	12.98	8.25	7.05	0.85	6.60
142	41.57	68.06	57.56	41.39	24.52	12.02	8.15	7.06	0.85	6.30
143	40.93	66.74	56.76	40.04	22.48	11.24	8.04	7.07	0.85	5.89
144	41.68	68.10	54.96	39.08	20.42	10.82	8.02	7.08	0.85	5.54
145	40.90	68.60	53.23	38.52	19.29	10.48	8.02	7.09	0.85	5.41
146	41.09	69.74	52.32	38.38	18.06	10.30	8.03	7.09	0.85	5.28
147	41.04	69.02	52.61	38.84	16.98	10.30	8.04	7.10	0.85	4.96
148	41.12	68.01	54.67	39.03	16.21	10.38	8.04	7.11	0.85	4.59
149	40.04	65.21	55.89	38.75	15.69	10.35	8.05	7.12	0.85	4.06
150	38.19	62.46	56.10	39.03	15.40	10.38	8.23	7.07	0.85	3.36
151	35.78	61.48	55.97	38.49	14.69	10.32	8.42	7.04	0.85	2.63
152	34.02	61.87	55.31	37.27	13.91	10.09	8.79	6.99	0.85	1.89
153	33.54	62.50	55.21	37.26	13.10	9.93	8.99	6.86	0.85	1.39
154	33.77	62.56	55.80	36.74	12.11	9.92	8.96	6.67	0.87	1.08
155	34.61	61.47	56.44	37.44	11.31	9.59	8.84	6.56	0.87	1.06
156	34.31	58.50	56.66	38.37	10.75	9.65	8.67	6.36	0.90	1.03
157	32.58	54.35	56.11	38.81	10.90	9.93	8.24	6.33	0.98	1.01
158	30.09	51.44	55.28	38.35	10.95	10.01	7.91	6.31	1.08	0.99
159	28.42	50.03	54.53	36.97	10.92	9.98	7.83	6.28	1.16	0.97
160	28.13	49.17	54.94	35.13	10.60	9.94	7.86	6.25	1.21	0.94
161	28.23	47.48	55.43	33.74	10.14	9.43	7.92	6.23	1.19	0.92
162	27.24	43.75	54.68	32.03	9.16	9.18	8.31	6.15	1.19	0.90
163	25.58	40.57	53.05	30.64	8.69	8.74	8.61	6.10	1.19	0.87
164	24.05	38.20	50.23	29.32	8.56	8.51	8.92	6.12	1.19	0.90

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WPM HI F UV CPP 740.IES**

**CANDELA TABULATION - (Cont.)**

165	23.16	35.92	46.31	28.69	8.72	8.81	8.94	6.07	1.19	0.98
166	22.33	33.67	42.28	27.68	9.48	9.24	8.84	6.01	1.19	0.98
167	21.06	30.06	37.82	26.09	9.58	8.94	8.64	5.80	1.19	1.03
168	19.27	25.79	33.10	24.37	9.18	8.32	8.20	5.32	1.19	1.08
169	17.14	21.85	28.80	21.37	8.74	7.95	7.81	4.54	1.19	1.08
170	15.07	18.20	23.94	18.43	7.87	7.66	7.05	3.60	1.21	1.07
171	12.98	15.07	20.17	15.72	7.06	7.45	6.09	2.73	1.19	1.06
172	11.29	12.61	16.25	13.01	6.89	6.98	4.89	1.99	1.19	1.06
173	9.83	10.62	12.68	10.33	5.88	6.01	3.52	1.58	1.21	1.05
174	8.36	8.58	9.57	7.75	4.39	4.49	2.42	1.35	1.19	1.04
175	6.51	6.39	6.83	5.47	2.81	2.92	1.76	1.32	1.16	1.04
176	5.00	4.88	4.04	3.54	2.00	2.05	1.48	1.34	1.16	1.03
177	3.55	3.38	2.46	2.11	1.37	1.47	1.32	1.24	1.16	1.03
178	2.06	1.76	1.62	1.45	1.13	1.13	1.24	1.24	1.16	1.03
179	1.11	1.27	1.29	1.16	1.13	1.13	1.24	1.27	1.16	1.03
180	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

**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	559.67	559.67	559.67	559.67	559.67	559.67	559.67
1	558.26	558.83	562.08	568.20	574.50	576.53	576.06
2	552.94	555.82	560.20	572.68	580.53	589.68	593.14
3	543.73	552.33	563.35	579.86	590.96	604.36	608.75
4	529.23	551.48	562.49	582.96	604.86	615.86	622.08
5	513.56	543.89	555.19	583.28	611.35	624.52	631.77
6	492.22	536.41	552.03	588.38	619.54	633.19	642.97
7	475.52	526.65	555.61	595.24	624.26	645.58	653.80
8	464.55	519.23	555.49	602.46	629.42	653.17	654.37
9	459.85	512.86	556.64	604.88	637.78	652.43	643.73
10	453.15	504.85	562.69	612.08	648.76	640.91	640.80
11	446.15	498.27	560.79	621.87	655.05	636.99	644.09
12	442.28	492.64	560.83	627.91	649.15	638.62	645.69
13	435.41	483.94	565.55	632.92	638.69	638.21	647.70
14	426.03	479.26	564.23	638.12	636.30	641.97	642.43
15	416.71	472.87	556.81	635.24	641.38	639.78	642.16
16	410.51	463.98	555.15	638.07	645.29	637.84	649.17
17	396.14	454.56	546.07	641.43	648.84	641.38	659.52
18	379.75	447.41	542.40	641.24	652.61	648.77	665.85
19	364.52	441.04	540.79	640.34	649.93	654.53	657.84
20	357.05	430.96	533.20	639.72	642.11	656.10	647.98
21	346.18	424.51	527.03	633.78	636.47	644.50	648.07
22	335.48	420.67	521.45	627.71	640.75	635.11	652.82
23	322.25	417.48	514.41	621.14	645.43	636.17	662.63
24	309.66	408.99	505.68	610.16	649.23	645.62	669.08
25	290.60	397.62	499.08	592.62	645.33	651.85	672.52
26	275.62	386.54	494.90	588.28	643.31	657.30	665.05
27	260.51	381.18	491.51	579.28	637.46	656.05	649.94
28	245.94	370.94	485.33	574.50	626.07	652.66	640.14
29	234.28	364.00	486.19	573.65	620.21	636.98	640.37
30	216.62	353.97	477.22	568.32	612.71	623.47	641.63
31	205.76	342.14	465.85	566.79	610.60	617.19	653.63
32	194.26	332.34	465.68	563.10	614.09	619.80	668.84
33	185.90	326.27	456.65	553.21	613.66	628.75	671.05
34	177.67	314.67	441.81	547.61	603.88	648.20	670.95
35	165.60	304.86	435.44	538.06	595.20	661.67	671.52

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WPM HI F UV CPP 740.IES**

**CANDELA TABULATION - (Cont.)**

36	152.41	295.93	427.02	531.99	586.25	672.61	668.03
37	140.63	283.74	423.39	516.49	582.09	666.09	653.50
38	130.94	270.89	420.87	507.89	581.95	642.19	645.61
39	121.78	267.28	424.70	503.55	577.21	622.48	656.16
40	113.10	253.72	421.98	497.91	570.89	610.80	647.80
41	104.81	245.93	422.23	502.03	566.71	606.49	622.79
42	97.81	241.16	424.47	499.39	562.52	602.58	629.21
43	91.81	239.68	420.55	504.39	561.59	610.39	626.92
44	87.85	235.09	418.29	500.77	560.61	625.75	628.84
45	85.28	223.81	407.68	511.83	553.77	618.04	668.52
46	82.76	219.28	395.75	513.40	541.16	614.56	709.50
47	80.29	221.24	401.47	517.47	528.87	632.13	737.87
48	78.56	214.33	398.05	508.91	519.94	640.83	729.73
49	77.13	208.91	401.74	505.27	518.63	650.40	695.35
50	75.37	202.10	389.63	511.52	512.13	642.64	656.20
51	73.01	193.15	372.12	482.49	514.59	621.47	676.50
52	70.83	181.27	367.08	466.76	524.36	615.39	706.55
53	68.85	174.64	380.95	463.93	517.97	638.59	695.91
54	67.49	170.57	377.39	463.96	508.57	640.59	725.74
55	66.48	161.47	370.39	461.51	494.95	646.97	733.62
56	65.89	151.46	384.19	458.67	487.48	664.04	758.09
57	65.24	146.67	368.12	463.98	493.02	670.41	832.54
58	64.32	142.71	352.98	450.35	490.21	717.49	723.33
59	64.40	138.36	354.57	462.65	465.95	688.25	705.94
60	64.19	134.41	337.75	454.90	464.91	612.90	771.31
61	63.79	130.55	333.21	442.58	476.88	675.87	697.92
62	62.66	124.52	320.93	433.25	499.81	647.90	724.76
63	62.96	121.73	312.31	420.29	472.60	639.32	735.37
64	60.51	117.79	296.83	423.61	479.77	634.30	738.44
65	58.37	112.31	286.24	405.46	485.86	619.24	758.89
66	56.47	106.19	272.54	389.03	468.62	637.69	784.55
67	54.98	99.90	269.49	382.18	462.44	644.56	752.51
68	52.54	94.10	259.24	372.95	460.04	607.67	734.33
69	51.17	90.53	247.01	360.39	447.88	612.40	730.47
70	49.71	87.08	236.47	346.92	406.41	592.17	767.14
71	49.68	83.42	228.01	337.54	408.77	614.36	762.98
72	48.23	80.06	218.35	321.72	394.75	632.37	820.83
73	47.21	76.50	212.94	312.28	386.46	683.26	815.45
74	46.54	72.43	204.19	296.69	402.59	631.69	725.09
75	45.50	68.64	194.74	282.11	378.90	588.37	704.41
76	44.41	65.77	192.45	269.24	359.87	605.42	746.52
77	42.39	62.25	183.47	259.95	356.02	573.92	657.08
78	41.70	60.22	174.83	253.64	333.96	566.86	703.90
79	41.13	58.31	166.11	249.26	328.23	562.03	686.89
80	40.40	56.82	162.65	230.22	305.47	500.44	604.93
81	39.53	54.98	155.88	223.68	318.41	560.67	707.59
82	39.07	53.94	149.76	219.01	307.36	550.26	689.98
83	38.45	52.76	144.94	213.21	286.33	559.80	705.86
84	38.20	51.60	140.33	205.57	271.22	500.33	656.78
85	37.74	50.39	136.32	200.14	261.64	502.53	601.33
86	37.18	49.31	126.64	195.72	263.50	452.09	572.44
87	36.95	48.27	120.32	189.32	256.14	409.68	524.39
88	36.15	47.50	116.25	185.34	249.04	441.83	499.41
89	35.74	46.82	111.16	179.78	242.16	432.38	540.72
90	35.16	46.69	107.05	176.73	237.70	430.48	521.44
91	34.78	46.66	105.26	175.42	239.34	382.18	519.10

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WPM HI F UV CPP 740.IES**

**CANDELA TABULATION - (Cont.)**

92	34.43	46.42	104.24	173.39	237.93	349.73	457.47
93	34.09	45.97	104.47	169.95	234.59	347.84	428.97
94	33.61	45.82	103.19	164.07	232.04	357.11	404.96
95	33.54	45.59	101.27	157.36	226.35	329.34	429.17
96	33.79	45.81	101.01	150.78	219.22	298.33	401.93
97	34.53	45.50	99.75	145.96	211.26	284.09	347.31
98	35.31	45.41	99.25	141.71	207.26	276.15	306.17
99	36.11	44.89	97.21	137.99	203.91	253.69	304.17
100	36.52	44.20	96.08	134.06	199.59	234.48	292.71
101	36.28	43.73	92.72	129.55	192.71	224.13	256.02
102	35.94	42.77	90.56	127.74	187.31	216.99	240.23
103	34.92	41.55	88.25	123.33	181.13	208.99	226.11
104	33.57	40.72	87.02	116.68	172.88	202.81	214.91
105	31.95	39.92	84.82	111.69	166.87	198.08	209.20
106	30.72	39.14	84.63	108.30	162.03	193.73	202.14
107	29.82	38.36	82.42	103.42	157.40	189.41	188.61
108	29.28	37.08	79.69	101.92	151.70	183.19	159.29
109	28.98	36.18	77.89	100.06	148.05	175.79	126.97
110	28.54	35.15	76.63	95.07	143.49	166.22	108.86
111	27.79	33.93	75.60	92.60	139.37	157.10	101.45
112	26.93	32.92	74.75	85.87	134.71	150.95	96.47
113	25.87	32.15	73.13	81.30	130.57	146.42	92.04
114	25.05	31.26	70.55	81.44	125.97	142.42	88.61
115	24.02	30.64	65.20	80.27	120.76	137.81	83.53
116	23.18	29.81	60.66	77.21	116.85	133.05	80.25
117	22.11	28.75	58.75	72.20	113.99	129.31	78.19
118	21.07	27.59	58.79	68.56	111.68	125.13	76.31
119	19.67	26.51	55.42	63.93	108.67	121.61	74.10
120	17.92	25.34	52.10	60.74	102.74	117.25	72.49
121	16.22	24.29	50.62	58.95	96.05	111.99	71.81
122	14.69	23.07	48.35	58.48	88.58	106.62	72.17
123	13.39	22.29	45.43	58.19	82.34	101.23	70.21
124	12.59	21.47	43.26	57.85	77.59	95.83	67.11
125	12.13	20.81	40.95	57.08	74.72	90.19	64.01
126	12.11	19.85	39.15	56.64	72.78	84.92	60.62
127	12.22	18.92	37.49	54.58	72.44	79.92	57.94
128	12.56	17.90	36.13	53.03	72.25	75.58	55.50
129	12.84	17.10	34.73	50.32	71.35	72.69	52.37
130	12.68	16.41	33.29	48.88	69.56	70.63	49.24
131	12.30	15.95	31.99	48.78	66.68	69.18	46.85
132	11.60	15.90	30.41	49.62	63.32	67.93	45.28
133	10.90	15.82	29.78	50.48	60.30	68.41	44.22
134	10.24	15.90	30.17	50.78	57.42	69.61	44.83
135	9.64	16.19	30.12	50.58	55.20	70.69	43.86
136	8.92	16.27	29.76	50.34	54.85	69.72	43.81
137	8.24	15.91	28.91	50.03	55.52	69.10	44.05
138	7.87	15.29	28.71	49.19	55.31	68.51	44.50
139	7.82	14.65	28.57	46.73	54.64	66.53	43.70
140	7.80	14.03	27.34	44.94	53.51	66.96	43.40
141	7.85	13.41	25.75	43.48	52.13	67.57	42.95
142	8.01	12.47	24.39	42.34	50.87	66.86	41.57
143	8.33	11.43	23.16	40.80	49.35	67.86	40.93
144	8.48	10.50	21.71	39.26	49.43	68.74	41.68
145	8.43	9.87	20.00	37.66	51.33	69.58	40.90
146	8.06	9.53	18.56	36.33	53.05	69.35	41.09
147	8.03	9.40	17.17	35.59	54.22	68.44	41.04

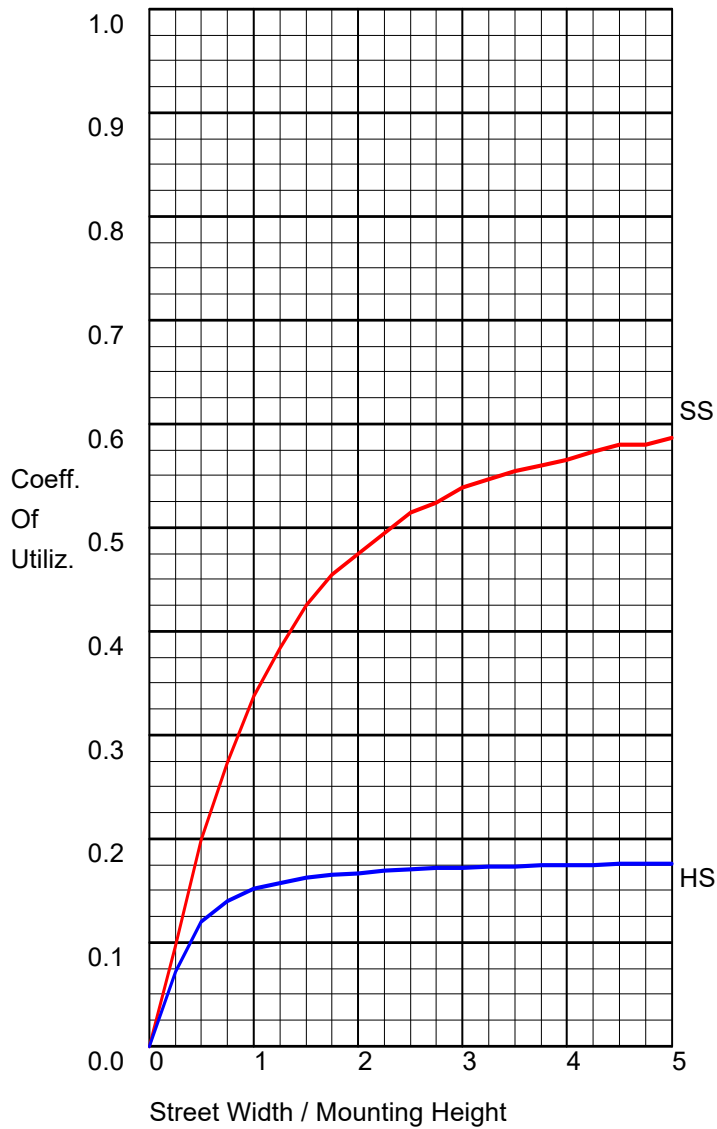


**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WPM HI F UV CPP 740.IES**

**CANDELA TABULATION - (Cont.)**

148	8.04	9.38	16.55	35.11	54.95	65.39	41.12
149	8.11	9.51	15.99	35.52	54.29	62.73	40.04
150	8.14	9.59	15.19	35.74	53.05	61.87	38.19
151	8.30	9.58	14.72	35.95	51.96	62.85	35.78
152	8.24	9.21	14.18	35.98	52.32	64.65	34.02
153	8.05	8.76	13.42	35.54	53.41	65.49	33.54
154	7.48	8.34	12.78	33.96	54.39	64.53	33.77
155	7.02	8.10	11.88	32.45	54.31	62.35	34.61
156	6.57	8.00	10.77	31.37	54.52	59.08	34.31
157	5.97	7.98	10.08	30.67	53.73	57.31	32.58
158	5.38	7.97	9.95	30.06	52.27	56.48	30.09
159	5.04	7.67	9.90	29.77	51.55	55.63	28.42
160	4.48	7.05	9.75	29.79	51.39	52.78	28.13
161	3.92	6.95	9.38	28.87	50.76	49.65	28.23
162	3.35	6.86	8.31	27.08	49.54	46.54	27.24
163	2.85	6.76	8.09	25.18	47.70	44.68	25.58
164	2.32	6.67	7.55	23.83	45.31	43.00	24.05
165	1.66	6.57	7.50	21.97	42.44	40.26	23.16
166	1.37	6.34	7.82	20.16	38.91	36.41	22.33
167	1.21	6.23	7.67	18.60	34.66	32.13	21.06
168	1.16	5.78	7.37	16.71	30.67	28.18	19.27
169	1.16	5.03	7.78	15.11	26.88	24.33	17.14
170	1.14	4.37	7.35	13.64	23.68	20.72	15.07
171	1.16	3.33	6.66	11.75	19.93	17.48	12.98
172	1.15	2.35	5.88	9.93	15.79	14.55	11.29
173	1.15	1.69	4.82	7.57	12.38	11.86	9.83
174	1.14	1.56	3.88	5.32	9.37	9.15	8.36
175	1.13	1.19	2.72	3.87	6.69	6.60	6.51
176	1.12	1.13	2.03	2.69	4.00	4.78	5.00
177	1.11	1.11	1.46	1.80	2.22	3.25	3.55
178	1.11	1.11	1.37	1.56	1.57	1.78	2.06
179	1.11	1.11	1.21	1.42	1.40	1.33	1.11
180	0.17	0.17	0.17	0.17	0.17	0.17	0.17

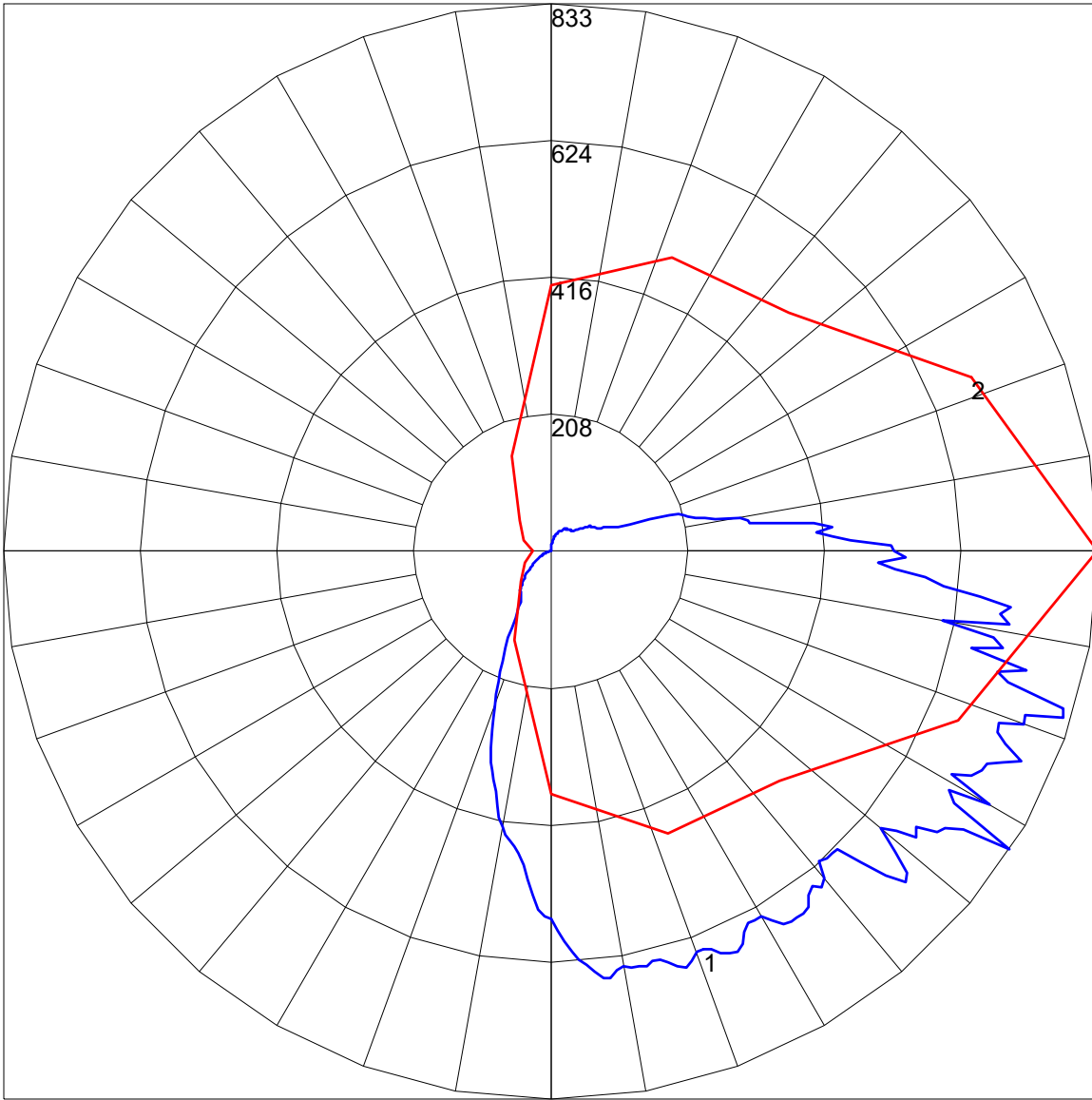
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

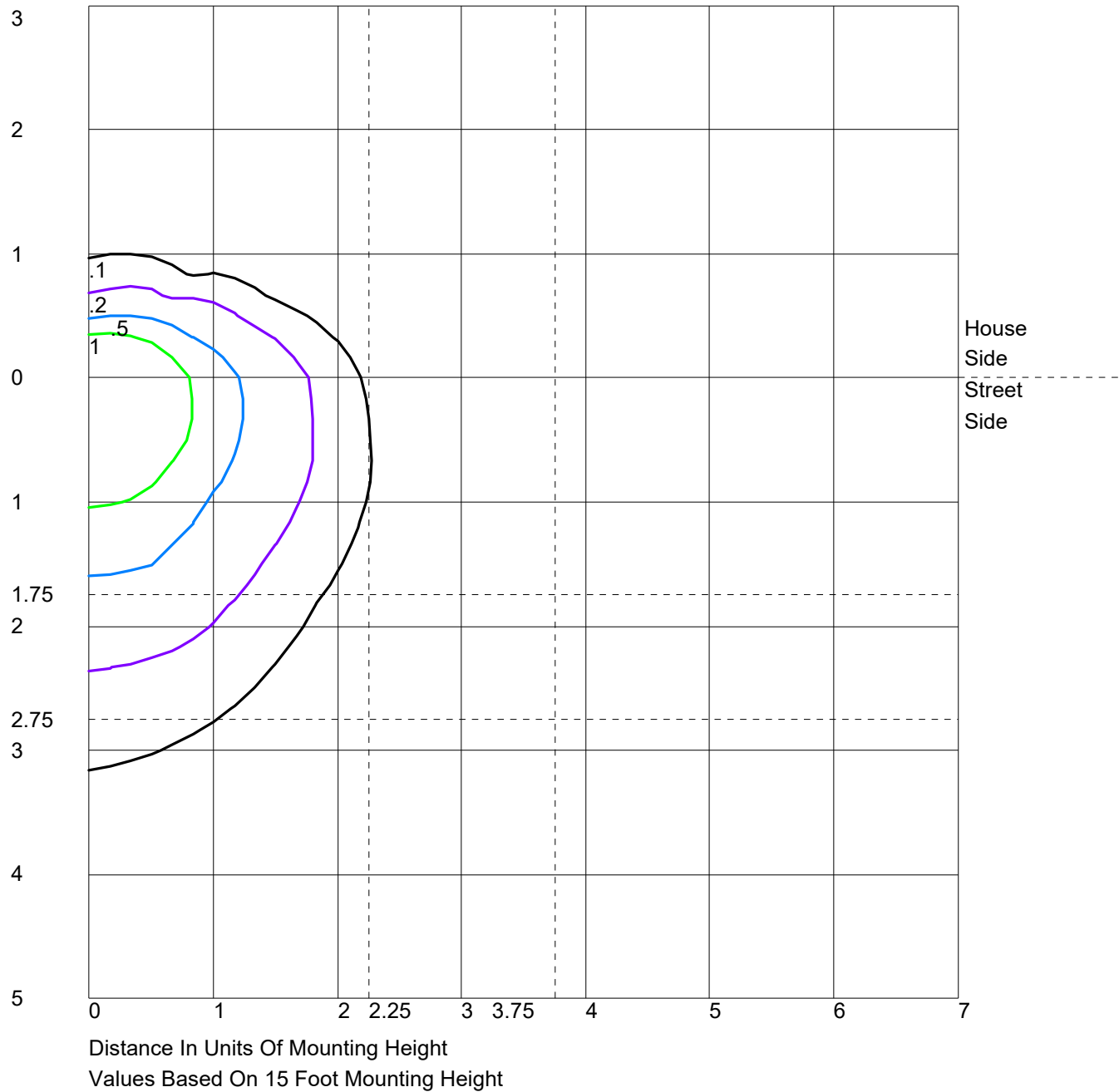
	Lumens	Percent Of Luminaire
Downward Street Side	1603.6	65.0
Downward House Side	443.8	18.0
Downward Total	2047.4	83.0
Upward Street Side	353.5	14.3
Upward House Side	66.9	2.7
Upward Total	420.4	17.0
<b>Total Flux</b>	<b>2467.8</b>	<b>100.0</b>

POLAR GRAPH

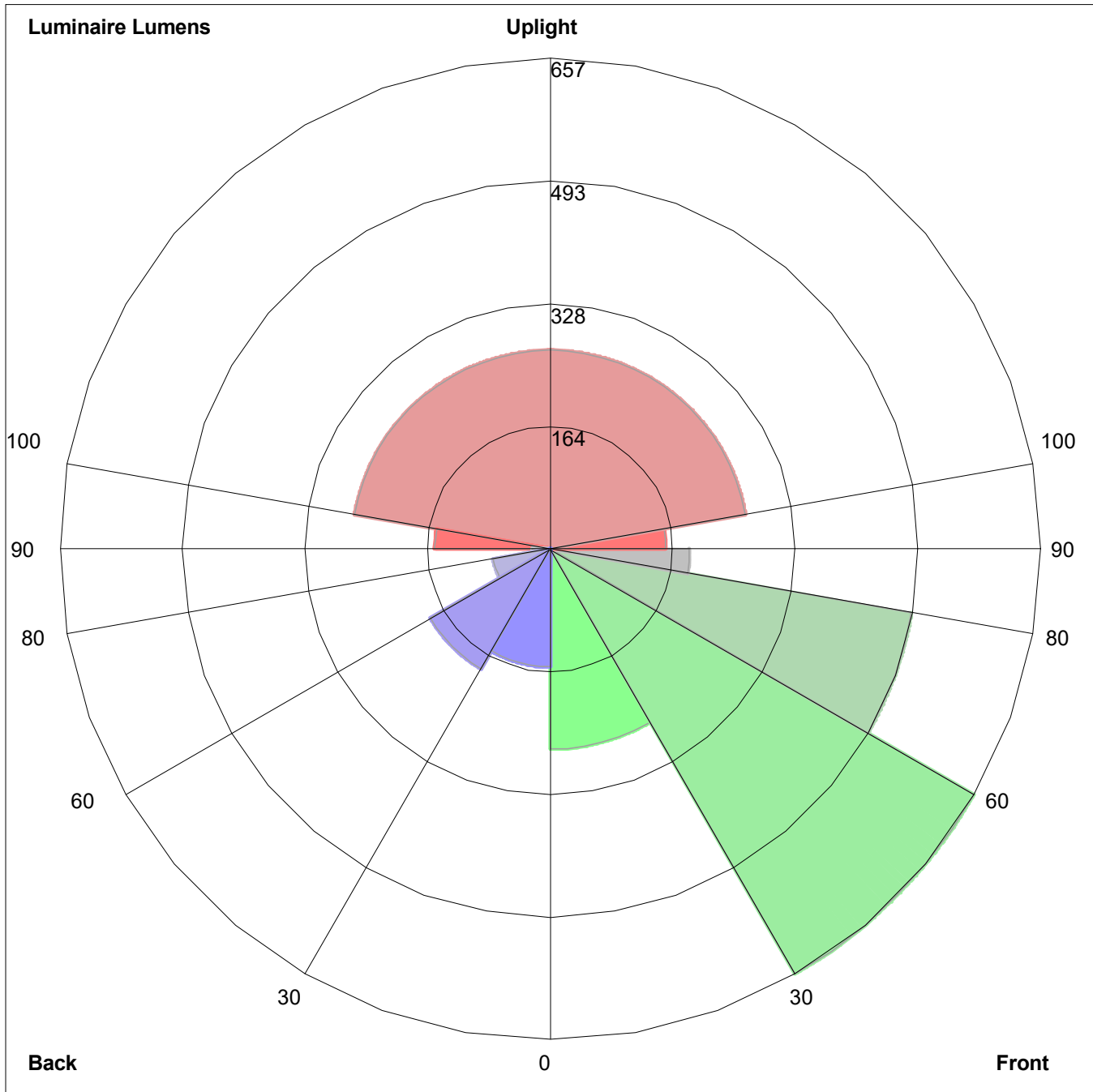


Maximum Candela = 832.54 Located At Horizontal Angle = 360, Vertical Angle = 57  
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (57) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=267.6, Medium=656.8, High=492.2, Very High=187.0  
 Back: Low=157.5, Medium=184.9, High=77.4, Very High=24.0  
 Uplight: Low=154.5, High=266.0

BUG Rating : B1-U3-G2