



IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP MD NF 12 830_ONE SIDE ONLY.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]
[TESTDATE] 2018-07-11
[ISSUEDATE] 2018-07-11 15:32:17
[NEARFIELD]
[LAMPPOSITION] 0,40
[OTHER] EVERFINE GO-2000H_V1 SYSTEM
[MANUFAC] LumenFocus, LLC
[LUMINAIRE] WCP MD NF 12 830
[LAMP] 49

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	656
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	33
Total Luminaire Watts	20.0892
Ballast Factor	1.00
Upward Waste Light Ratio	0.20
Maximum Candela	326.31
Maximum Candela Angle	270H 1V
Maximum Candela (<90 Degrees Vertical)	326.31
Maximum Candela Angle (<90 Degrees Vertical)	270H 1V
Maximum Candela At 90 Degrees Vertical	27.16 (4.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	33.67 (5.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	107.7	N.A.	16.4
FM - Front-Medium (30-60)	101.9	N.A.	15.5
FH - Front-High (60-80)	41.1	N.A.	6.3
FVH - Front-Very High (80-90)	14.3	N.A.	2.2
BL - Back-Low (0-30)	107.1	N.A.	16.3
BM - Back-Medium (30-60)	99.3	N.A.	15.1
BH - Back-High (60-80)	40.7	N.A.	6.2
BVH - Back-Very High (80-90)	14.3	N.A.	2.2
UL - Uplight-Low (90-100)	25.3	N.A.	3.9
UH - Uplight-High (100-180)	104.0	N.A.	15.9
Total	655.7	N.A.	100.0
BUG Rating	B0-U3-G1		

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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	322.499	322.499	322.499	322.499	322.499	322.499	322.499	322.499	322.499	322.499
1	321.740	321.210	320.520	320.260	325.760	323.650	322.830	322.320	321.270	321.330
2	320.810	320.870	320.440	319.880	325.330	322.960	323.920	322.400	321.890	321.510
3	321.070	320.950	320.300	319.310	325.640	323.420	322.740	322.950	322.120	321.720
4	321.230	320.490	319.670	319.470	325.400	324.050	323.450	322.090	321.660	321.130
5	321.130	320.120	319.180	319.600	324.750	323.570	322.380	322.040	321.360	320.600
6	321.270	319.680	318.460	317.810	324.990	322.690	321.990	322.410	320.220	319.550
7	320.370	318.840	317.500	317.070	323.220	322.480	321.350	320.580	319.980	318.630
8	319.580	318.050	316.650	316.440	322.350	322.200	321.650	320.850	319.830	318.070
9	319.890	318.100	316.070	316.100	321.700	321.550	320.780	318.530	318.690	317.460
10	318.480	317.370	315.740	314.120	321.310	321.100	320.810	317.810	317.150	316.670
11	317.300	316.220	314.910	313.390	320.520	319.500	318.900	317.260	315.050	315.560
12	315.480	315.050	313.820	312.650	318.730	319.570	317.760	314.750	314.260	313.810
13	313.280	313.120	312.600	310.790	316.920	317.730	316.700	312.650	312.580	312.120
14	311.600	311.250	310.140	309.680	316.670	316.420	314.070	311.480	310.700	310.200
15	308.480	307.350	306.840	307.410	313.450	313.950	312.910	309.230	308.470	307.920
16	303.660	301.690	300.780	300.940	307.630	308.080	309.100	305.300	303.850	303.720
17	295.290	292.570	290.630	290.420	296.300	296.840	298.070	295.690	295.930	296.280
18	286.100	281.580	279.620	278.590	282.780	283.860	285.200	282.400	284.510	285.300
19	277.600	271.250	269.280	267.740	273.170	274.130	274.980	272.140	273.630	274.370
20	269.210	262.330	259.530	257.810	262.050	263.710	265.040	262.700	264.210	265.700
21	260.000	254.630	248.850	247.300	250.820	250.950	253.460	252.590	255.370	256.980
22	245.980	244.530	236.130	235.470	237.420	234.690	241.590	241.300	245.220	247.850
23	231.600	231.080	224.120	222.250	225.080	222.270	230.230	230.110	236.140	236.950
24	222.580	219.850	212.660	209.080	211.270	214.210	216.810	219.220	226.730	224.410
25	214.580	211.920	202.430	198.260	198.790	201.950	203.970	208.680	215.500	214.210
26	207.100	206.190	194.460	189.430	191.340	189.970	195.250	199.220	204.300	208.160
27	199.870	199.590	188.040	179.190	185.390	183.060	189.930	189.020	195.160	202.210
28	193.670	190.720	183.170	173.890	178.800	180.580	184.170	181.580	188.520	195.140
29	187.110	181.080	178.690	169.580	172.150	177.720	178.040	177.790	183.600	186.220
30	181.810	174.050	171.880	163.210	166.640	175.150	170.880	171.290	178.660	177.460
31	176.770	169.040	163.620	155.070	160.490	168.830	164.150	163.270	170.860	170.160
32	170.710	165.300	157.080	150.580	152.700	155.320	156.900	155.330	162.240	165.310
33	163.420	161.160	150.930	147.180	147.260	144.110	150.150	149.400	154.320	159.980
34	156.270	155.820	145.120	143.040	142.970	139.220	146.470	143.450	147.630	154.860
35	149.880	149.230	140.820	139.210	137.270	136.600	141.560	137.710	141.990	149.050
36	142.980	140.550	137.220	135.760	130.760	134.690	134.810	133.040	137.140	142.150
37	136.400	131.700	132.110	130.880	124.790	130.950	127.140	128.480	132.580	133.140
38	130.040	125.140	126.360	123.720	118.440	125.590	118.840	123.020	126.520	125.220
39	123.730	120.400	120.320	117.500	112.700	115.190	110.860	115.270	118.670	119.890
40	116.200	115.710	114.120	111.650	109.330	102.120	104.670	108.200	110.700	115.980
41	108.310	109.850	107.430	106.030	106.140	93.650	100.120	101.650	103.280	112.050
42	101.060	102.950	102.200	100.350	101.700	90.110	95.510	94.910	97.470	106.740
43	94.470	94.260	96.580	95.400	95.100	86.880	88.240	89.390	92.380	98.160
44	88.290	86.840	89.120	87.370	85.910	81.770	78.300	81.900	86.680	89.580
45	81.890	80.570	81.000	78.310	76.390	72.710	69.760	72.990	79.390	82.890
46	76.270	74.690	73.670	71.080	69.970	67.680	63.610	66.360	74.000	75.840
47	70.250	68.840	66.880	65.050	64.350	62.070	59.260	62.210	68.790	69.490
48	65.400	64.010	60.980	59.160	57.800	56.050	55.330	58.930	63.720	64.040
49	62.300	61.220	57.270	56.240	55.220	54.120	53.230	57.130	60.860	60.750
50	60.580	59.640	55.350	54.710	54.180	53.250	52.210	56.040	59.170	58.720
51	59.470	58.520	53.930	53.780	53.470	52.610	51.640	55.390	57.950	57.380
52	58.570	57.730	53.000	53.010	52.780	51.840	51.280	54.850	56.980	56.490

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53	57.910	57.090	52.150	52.320	52.200	51.340	51.100	54.390	56.240	55.710
54	57.320	56.420	51.480	51.500	51.650	50.770	51.000	53.980	55.580	54.970
55	56.630	55.610	50.870	50.710	50.870	50.140	50.750	53.480	54.870	54.240
56	55.990	54.790	50.380	49.850	50.120	49.420	50.240	52.710	54.080	53.320
57	55.300	53.890	50.100	49.140	49.310	48.820	49.530	52.210	53.570	52.180
58	54.510	52.930	49.410	48.250	48.610	48.090	48.720	51.600	52.940	51.140
59	53.760	52.060	48.600	47.560	47.790	47.360	48.090	50.870	52.310	50.150
60	53.000	51.210	47.770	46.710	46.980	46.670	47.460	50.260	51.710	49.180
61	52.030	50.270	46.960	46.030	46.220	45.890	46.800	49.560	51.240	48.190
62	51.140	49.210	46.020	45.110	45.320	45.160	46.030	48.930	50.630	47.100
63	50.240	48.150	45.070	44.340	44.530	44.330	45.240	48.150	49.990	46.010
64	49.540	47.300	44.220	43.560	43.890	43.580	44.400	47.530	49.410	45.040
65	48.710	46.300	43.250	42.650	43.140	42.840	43.660	46.940	48.760	44.120
66	47.930	45.400	42.390	41.940	42.270	42.040	42.770	46.110	48.070	43.210
67	47.270	44.550	41.550	41.110	41.540	41.270	42.000	45.200	47.340	42.280
68	46.510	43.710	40.770	40.470	40.880	40.500	41.050	44.420	46.710	41.390
69	45.670	42.730	39.860	39.690	40.090	39.720	40.040	43.560	45.860	40.530
70	44.720	41.760	39.050	38.860	39.260	38.890	39.190	42.430	44.930	39.590
71	43.770	40.800	38.230	38.200	38.560	38.150	38.310	41.510	43.860	38.670
72	42.880	39.750	37.460	37.430	37.790	37.470	37.470	40.410	42.880	37.830
73	41.950	38.660	36.750	36.800	37.160	36.790	36.720	39.490	41.980	36.910
74	41.080	37.650	35.960	36.070	36.130	36.000	35.970	38.450	40.920	36.050
75	40.080	36.600	35.210	34.930	34.590	35.140	35.170	37.330	39.990	35.210
76	38.810	35.520	34.200	33.370	33.320	33.760	34.360	36.220	38.830	34.390
77	37.530	34.480	33.120	32.250	32.550	32.290	33.420	35.050	37.520	33.570
78	36.280	33.440	32.200	31.450	31.660	31.410	32.430	33.840	36.270	32.710
79	34.980	32.420	31.180	30.620	30.810	30.560	31.660	32.610	34.970	31.790
80	33.670	31.210	30.180	29.760	29.920	29.670	30.760	31.340	33.610	30.720
81	32.320	30.020	29.230	28.950	29.090	28.850	29.950	30.030	32.250	29.470
82	30.860	28.810	28.220	28.050	28.230	27.890	28.990	28.770	31.120	28.250
83	29.340	27.660	27.320	27.150	27.250	26.950	28.090	27.410	29.950	27.100
84	28.020	26.620	26.470	26.250	26.390	26.110	27.090	26.460	28.970	26.290
85	27.150	25.610	25.490	25.260	25.450	25.200	26.270	25.700	28.180	25.730
86	26.620	25.160	24.470	24.280	24.500	24.180	25.420	25.270	27.310	25.480
87	26.280	25.590	23.380	23.260	23.460	23.100	24.580	25.180	26.790	25.370
88	26.150	26.170	22.280	23.400	23.640	22.840	23.500	25.270	26.560	25.350
89	26.480	26.420	21.890	24.260	24.450	23.790	22.440	25.490	26.480	25.290
90	27.160	26.350	22.130	25.020	25.100	24.750	21.900	25.690	26.770	25.350
91	28.390	26.770	23.430	26.300	26.280	26.150	23.200	26.610	27.930	26.140
92	28.870	26.260	23.060	26.440	26.370	26.520	22.980	26.460	28.570	25.670
93	28.300	24.910	22.510	25.880	25.230	26.320	22.020	25.410	27.940	24.390
94	27.990	23.930	21.470	25.080	24.240	25.690	20.850	24.530	27.510	23.340
95	28.160	24.050	20.180	24.000	23.170	24.790	19.810	24.620	27.430	23.530
96	28.890	24.870	18.740	22.970	22.130	23.520	18.700	25.570	28.230	24.360
97	29.440	25.640	17.200	21.850	20.950	22.470	17.550	26.470	28.780	25.090
98	30.100	26.450	15.480	20.870	19.910	21.430	16.000	27.380	29.350	25.820
99	30.770	26.950	15.010	19.980	18.980	20.610	14.950	28.210	30.060	26.260
100	30.950	26.100	15.150	19.210	18.150	19.900	15.180	27.980	30.370	25.460
101	30.420	25.710	15.770	18.570	17.420	19.400	16.010	27.550	29.880	25.080
102	30.140	26.140	16.200	18.230	17.190	19.210	17.360	27.800	29.690	25.500
103	30.610	27.050	16.800	18.260	17.650	19.220	18.670	28.370	29.990	26.520
104	31.430	28.690	18.110	18.550	18.360	19.540	19.690	30.090	30.570	28.210
105	33.010	29.950	19.440	19.030	19.070	19.990	20.900	31.590	32.240	29.490
106	34.220	30.620	20.870	19.800	19.800	20.820	22.330	32.490	33.580	30.210
107	35.230	31.440	22.070	20.750	20.410	21.840	23.510	33.320	34.510	30.980
108	36.120	32.500	22.380	21.830	21.430	22.890	24.670	34.090	35.460	31.990

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109	37.130	34.080	22.600	22.910	22.770	23.950	25.170	35.300	36.410	33.530
110	38.580	35.570	22.230	23.870	24.110	24.820	25.090	36.850	37.820	35.020
111	40.120	36.970	21.660	24.780	25.380	25.610	24.540	38.160	39.420	36.370
112	41.590	38.000	20.820	25.650	26.720	26.330	23.860	39.550	40.900	37.480
113	42.960	37.390	19.790	26.320	27.920	25.910	22.860	40.060	42.250	36.910
114	43.780	36.530	17.870	25.940	28.870	25.360	21.160	39.200	43.340	36.020
115	42.910	35.340	15.160	25.450	28.450	24.410	18.740	38.370	42.610	34.880
116	41.870	33.700	11.580	24.490	28.060	22.960	15.300	37.090	41.780	33.290
117	40.620	31.790	8.010	23.050	27.320	21.260	12.150	35.420	40.710	31.420
118	38.970	29.600	4.790	21.420	26.250	19.590	9.790	33.410	39.230	29.430
119	37.100	27.330	2.930	19.870	24.860	17.620	7.600	31.590	37.740	27.320
120	35.100	24.230	2.320	17.930	23.360	14.600	5.720	29.490	36.220	24.590
121	33.280	20.590	2.240	14.750	22.020	10.710	4.010	26.650	34.590	20.910
122	31.390	17.250	2.800	11.020	20.590	6.900	3.370	22.740	32.890	17.620
123	28.230	14.210	3.650	7.310	17.600	4.110	4.140	19.150	29.820	14.600
124	25.620	11.200	4.500	4.550	15.080	2.800	5.170	15.890	27.180	11.570
125	23.390	8.600	5.590	3.650	12.810	3.120	6.430	12.870	24.670	8.920
126	21.350	6.380	7.060	4.170	11.680	3.640	7.590	10.010	22.430	6.670
127	19.300	5.180	8.860	5.020	12.370	4.490	8.550	7.680	20.100	5.240
128	16.840	5.840	10.210	6.120	13.590	5.640	9.610	6.280	17.370	5.610
129	13.670	6.790	10.180	7.160	13.610	6.880	9.780	6.850	14.100	6.170
130	11.730	7.810	9.560	8.080	12.790	8.020	9.210	7.620	11.150	6.620
131	11.250	8.590	9.120	8.930	11.960	8.820	8.640	8.360	10.440	6.880
132	10.900	9.080	8.800	9.420	11.150	9.330	8.240	8.740	10.070	7.290
133	11.130	9.360	9.190	9.870	10.610	9.590	8.100	8.970	10.200	7.850
134	19.040	9.550	17.380	10.270	12.460	9.710	11.350	9.230	15.160	8.600
135	29.360	9.590	29.480	10.740	23.300	9.710	27.200	9.720	30.640	9.510
136	38.000	9.790	38.140	11.040	33.750	10.000	35.560	10.440	39.920	10.260
137	47.600	10.710	46.610	11.490	43.470	10.630	42.510	11.260	48.200	11.040
138	58.870	11.740	54.940	12.290	51.330	11.660	50.340	12.260	58.640	11.920
139	70.190	13.650	63.650	14.170	59.980	14.150	60.880	13.550	67.310	13.210
140	79.120	17.620	72.740	18.570	67.880	19.200	68.660	17.340	75.320	16.330
141	87.230	20.980	80.400	21.420	75.760	22.500	73.430	20.740	81.150	20.310
142	94.860	23.630	85.810	23.320	81.770	24.120	78.370	21.730	86.500	22.080
143	99.620	24.570	87.210	24.880	82.650	23.420	84.440	19.270	91.180	23.380
144	86.700	20.160	71.860	22.290	73.670	20.860	80.730	16.720	80.720	23.240
145	67.360	16.540	53.370	19.160	55.960	24.350	62.740	15.690	59.570	21.720
146	42.080	15.650	34.370	19.120	32.830	25.410	40.660	14.840	40.540	17.620
147	28.230	13.420	20.740	15.290	20.380	17.600	28.010	13.100	30.190	13.340
148	18.720	10.280	16.510	11.660	18.520	13.150	21.680	11.430	20.750	11.120
149	15.780	8.680	13.990	10.420	13.380	11.350	15.270	9.850	17.390	9.490
150	13.510	7.180	12.080	8.640	11.860	9.380	13.070	8.120	15.170	7.870
151	11.480	5.820	10.280	6.960	10.560	7.190	11.320	6.610	13.010	6.460
152	9.280	4.460	8.240	4.840	8.400	5.120	9.330	5.270	10.830	5.060
153	7.430	3.240	6.680	2.860	6.100	3.800	7.330	4.030	8.580	3.730
154	5.950	2.160	5.370	1.720	3.870	2.890	5.840	2.980	6.890	2.580
155	4.550	1.340	4.170	1.030	2.580	2.160	4.560	2.180	5.400	1.650
156	3.280	1.010	3.060	0.970	1.780	1.530	3.370	1.510	4.000	1.130
157	2.190	0.990	2.170	0.990	1.220	1.050	2.400	1.110	2.770	1.010
158	1.360	1.030	1.460	1.010	1.010	1.010	1.640	1.050	1.780	1.030
159	1.000	1.090	1.020	1.070	1.030	1.050	1.110	1.050	1.130	1.110
160	0.970	1.150	1.030	1.110	1.030	1.090	1.010	1.090	1.010	1.170
161	0.970	1.170	1.050	1.190	1.070	1.130	1.050	1.110	1.010	1.230
162	0.990	1.230	1.090	1.270	1.680	1.190	1.350	1.150	1.030	1.310
163	0.990	1.250	1.270	1.330	2.020	1.250	1.440	1.190	1.030	1.310
164	0.990	1.270	1.340	1.360	2.020	1.300	1.440	1.170	1.050	1.320

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PHOTOMETRIC FILENAME : WCP MD NF 12 830_ONE SIDE ONLY.IES

CANDELA TABULATION - (Cont.)

165	1.030	1.250	1.360	1.380	1.940	1.310	1.420	1.150	1.050	1.310
166	1.050	1.230	1.360	1.380	1.840	1.310	1.400	1.150	1.050	1.270
167	1.030	1.170	1.350	1.340	1.720	1.320	1.420	1.110	1.070	1.210
168	1.070	1.130	1.340	1.340	1.600	1.290	1.360	1.070	1.090	1.190
169	1.070	1.110	1.310	1.280	1.500	1.210	1.300	1.130	1.110	1.110
170	1.070	1.110	1.270	1.190	1.360	1.170	1.210	1.090	1.110	1.090
171	1.110	1.130	1.190	1.190	1.230	1.170	1.190	1.130	1.110	1.110
172	1.130	1.150	1.190	1.190	1.190	1.190	1.210	1.150	1.130	1.130
173	1.150	1.210	1.230	1.230	1.190	1.210	1.210	1.190	1.110	1.150
174	1.210	1.210	1.230	1.230	1.210	1.210	1.230	1.210	1.210	1.190
175	1.230	1.230	1.290	1.270	1.230	1.250	1.230	1.210	1.190	1.210
176	1.270	1.250	1.250	1.290	1.230	1.270	1.230	1.230	1.230	1.210
177	1.250	1.270	1.310	1.290	1.230	1.290	1.270	1.230	1.210	1.210
178	1.270	1.290	1.310	1.310	1.230	1.290	1.310	1.290	1.270	1.270
179	1.290	1.290	1.310	1.290	1.250	1.290	1.290	1.310	1.310	1.290
180	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310

Vert. 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	322.499	322.499	322.499	322.499	322.499	322.499	322.499
1	320.280	321.310	326.310	325.160	322.670	322.570	321.740
2	320.480	318.610	325.160	323.600	322.620	322.340	320.810
3	320.480	319.430	324.770	323.380	322.400	322.040	321.070
4	319.880	319.100	323.870	323.150	322.180	321.590	321.230
5	319.530	318.590	323.940	322.760	320.860	320.990	321.130
6	318.990	318.130	323.180	323.200	321.270	321.270	321.270
7	318.520	318.700	322.120	321.010	320.140	319.890	320.370
8	317.500	317.900	321.840	320.870	319.970	320.480	319.580
9	316.740	316.580	320.750	320.160	318.910	320.390	319.890
10	316.020	315.400	320.660	318.910	317.890	318.320	318.480
11	314.870	313.420	319.130	317.660	317.550	317.310	317.300
12	313.570	312.610	317.870	316.940	315.960	316.950	315.480
13	312.070	311.500	316.160	315.670	315.100	315.010	313.280
14	310.460	309.390	314.530	314.760	314.180	314.040	311.600
15	307.920	305.760	313.020	311.930	311.740	309.990	308.480
16	304.550	303.680	309.220	309.430	308.810	306.960	303.660
17	297.970	297.380	301.620	301.970	303.660	301.300	295.290
18	287.490	286.770	290.980	291.900	295.690	292.920	286.100
19	276.990	275.260	278.410	283.770	286.940	282.550	277.600
20	267.570	264.350	268.360	277.790	278.720	273.020	269.210
21	258.660	255.260	262.050	271.430	269.310	264.630	260.000
22	248.640	244.570	253.470	261.330	259.170	252.110	245.980
23	236.610	234.190	244.250	249.030	246.800	237.820	231.600
24	226.580	223.570	233.710	238.750	233.710	226.210	222.580
25	218.150	216.150	225.320	230.630	224.620	218.280	214.580
26	210.850	210.090	221.030	219.520	219.620	213.340	207.100
27	202.850	204.800	216.070	210.870	213.570	206.040	199.870
28	194.880	199.810	208.830	203.440	203.730	198.110	193.670
29	189.200	194.990	198.510	194.960	193.170	190.620	187.110
30	183.940	189.390	188.080	188.720	184.470	182.400	181.810
31	178.340	183.250	181.870	183.630	178.370	176.260	176.770
32	172.530	178.590	178.690	178.370	173.960	171.970	170.710
33	166.500	173.800	175.290	169.560	170.020	167.650	163.420
34	159.540	167.300	171.070	163.500	165.610	161.890	156.270
35	154.490	158.170	164.120	157.830	157.760	154.290	149.880

IES ROAD REPORT**PHOTOMETRIC FILENAME : WCP MD NF 12 830_ONE SIDE ONLY.IES****CANDELA TABULATION - (Cont.)**

36	149.980	149.510	154.610	149.990	147.660	145.800	142.980
37	144.650	143.360	143.840	143.700	139.330	138.120	136.400
38	138.710	136.700	135.290	138.960	133.410	131.140	130.040
39	131.620	129.450	130.760	134.410	128.780	124.730	123.730
40	123.850	122.640	126.890	126.850	124.990	119.340	116.200
41	114.870	115.150	121.550	119.060	119.930	113.260	108.310
42	106.520	104.010	112.120	110.930	110.130	105.300	101.060
43	99.490	94.950	99.920	101.620	99.510	96.490	94.470
44	91.470	86.620	90.350	94.680	90.950	88.880	88.290
45	82.870	79.620	83.160	83.360	83.730	82.360	81.890
46	74.830	72.930	73.890	74.780	74.950	75.930	76.270
47	67.620	65.810	65.740	66.230	66.130	69.240	70.250
48	61.270	59.760	59.910	60.160	60.200	64.370	65.400
49	57.210	56.360	56.720	57.130	56.840	61.290	62.300
50	54.970	54.440	55.260	55.850	55.140	59.540	60.580
51	53.480	53.140	54.390	54.910	54.150	58.410	59.470
52	52.400	52.000	53.700	53.660	53.540	57.570	58.570
53	51.420	51.310	53.020	52.850	53.100	56.830	57.910
54	50.840	50.540	52.240	52.010	52.650	56.180	57.320
55	50.220	49.920	51.330	51.270	52.120	55.480	56.630
56	49.650	49.090	50.650	50.760	51.100	54.670	55.990
57	49.250	48.400	49.720	49.920	50.180	53.860	55.300
58	48.470	47.650	48.860	48.980	49.600	52.860	54.510
59	47.730	47.010	47.880	48.130	48.860	52.180	53.760
60	47.020	46.110	47.060	47.400	47.980	51.330	53.000
61	46.220	45.350	46.240	46.520	47.190	50.490	52.030
62	45.440	44.540	45.340	45.550	46.190	49.540	51.140
63	44.630	43.760	44.440	44.590	45.230	48.580	50.240
64	43.770	43.040	43.670	43.770	44.270	47.880	49.540
65	42.970	42.270	42.800	42.870	43.280	47.080	48.710
66	42.150	41.540	42.020	42.230	42.510	46.110	47.930
67	41.220	40.810	41.270	41.250	41.660	45.260	47.270
68	40.360	40.020	40.440	40.490	40.770	44.410	46.510
69	39.360	39.210	39.660	39.650	39.840	43.500	45.670
70	38.460	38.410	38.890	38.900	38.930	42.510	44.720
71	37.570	37.650	38.210	38.080	38.150	41.480	43.770
72	36.860	36.870	37.500	37.350	37.340	40.350	42.880
73	36.160	36.200	36.830	36.610	36.530	39.310	41.950
74	35.440	35.500	35.690	35.850	35.730	38.260	41.080
75	34.690	34.440	34.250	35.040	34.990	37.140	40.080
76	33.750	32.960	33.060	33.650	34.120	36.080	38.810
77	32.660	31.820	32.260	32.110	33.230	35.000	37.530
78	31.730	30.990	31.430	31.280	32.240	33.790	36.280
79	30.760	30.130	30.570	30.530	31.410	32.590	34.980
80	29.770	29.240	29.770	29.600	30.640	31.410	33.670
81	28.750	28.390	28.860	28.640	29.710	30.130	32.320
82	27.760	27.550	27.990	27.780	28.760	28.870	30.860
83	26.850	26.560	27.160	26.910	27.850	27.630	29.340
84	25.990	25.780	26.210	26.050	26.960	26.530	28.020
85	25.040	24.850	25.330	25.020	25.890	25.530	27.150
86	24.070	23.870	24.290	24.030	24.830	24.740	26.620
87	23.040	22.770	23.220	22.980	23.580	24.840	26.280
88	21.910	22.640	23.510	22.830	22.210	25.320	26.150
89	21.240	23.410	24.170	23.750	20.250	25.710	26.480
90	21.190	24.520	24.870	24.720	18.650	25.840	27.160
91	22.740	26.030	26.210	26.110	19.490	26.620	28.390

IES ROAD REPORT**PHOTOMETRIC FILENAME : WCP MD NF 12 830_ONE SIDE ONLY.IES****CANDELA TABULATION - (Cont.)**

92	22.080	26.120	25.810	26.500	18.800	26.490	28.870
93	20.800	25.660	24.510	26.360	17.770	25.530	28.300
94	19.010	24.400	23.310	25.130	16.470	24.760	27.990
95	17.290	22.830	21.860	23.550	16.160	24.830	28.160
96	15.730	21.380	20.430	22.010	16.270	25.750	28.890
97	13.930	19.910	19.170	20.510	15.810	26.760	29.440
98	12.240	18.690	17.960	19.260	14.780	27.660	30.100
99	12.010	17.630	16.950	18.170	14.320	28.430	30.770
100	12.530	16.900	16.550	17.410	14.870	27.980	30.950
101	13.930	16.510	16.340	16.890	16.210	27.590	30.420
102	15.160	16.510	16.370	16.970	17.750	27.830	30.140
103	16.320	17.200	16.770	17.990	18.870	28.340	30.610
104	17.610	18.160	17.500	19.010	19.970	29.940	31.430
105	18.890	19.060	18.440	20.110	21.290	31.470	33.010
106	20.330	20.080	19.370	21.240	22.900	32.340	34.220
107	21.600	21.180	20.270	22.280	24.170	32.970	35.230
108	21.930	22.270	21.310	23.340	25.240	33.730	36.120
109	22.240	23.270	22.560	24.330	25.590	35.190	37.130
110	21.990	24.280	23.850	25.200	25.240	36.610	38.580
111	21.410	25.160	25.110	26.010	24.590	38.020	40.120
112	20.680	26.090	26.500	26.670	23.820	39.290	41.590
113	19.620	26.610	27.650	26.200	22.820	39.880	42.960
114	17.840	26.230	28.470	25.640	20.870	38.920	43.780
115	15.410	25.600	28.110	24.500	18.060	37.970	42.910
116	11.910	24.670	27.750	23.040	14.500	36.690	41.870
117	8.540	23.250	26.980	21.450	11.420	34.980	40.620
118	5.290	21.460	25.740	19.680	9.150	33.160	38.970
119	3.180	19.750	24.410	17.650	7.020	31.010	37.100
120	2.370	17.880	22.980	14.680	5.200	28.720	35.100
121	2.290	14.700	21.530	10.800	3.710	25.500	33.280
122	2.510	10.810	20.130	7.050	3.720	21.730	31.390
123	3.110	7.140	17.250	4.180	4.610	18.300	28.230
124	3.890	4.340	14.750	2.710	5.560	15.070	25.620
125	4.730	3.470	12.460	2.950	6.770	12.170	23.390
126	5.980	3.950	11.440	3.520	7.650	9.460	21.350
127	7.570	4.500	12.500	4.470	8.540	7.330	19.300
128	9.000	5.040	13.630	5.530	9.750	6.410	16.840
129	9.330	5.870	13.570	6.670	9.610	7.180	13.670
130	8.810	6.710	13.050	7.780	9.040	8.080	11.730
131	8.180	7.370	12.550	8.780	8.700	8.750	11.250
132	7.750	7.910	12.250	9.380	8.550	9.140	10.900
133	7.650	8.480	12.120	9.690	8.820	9.320	11.130
134	10.980	9.010	19.010	9.810	15.640	9.390	19.040
135	19.040	9.430	31.750	9.930	27.400	9.790	29.360
136	29.080	9.510	44.910	10.270	40.290	10.130	38.000
137	43.790	9.610	56.220	10.920	54.220	10.700	47.600
138	54.310	9.960	63.020	11.800	65.000	11.720	58.870
139	62.720	10.580	69.670	13.200	72.950	12.910	70.190
140	71.530	11.780	76.610	15.080	81.640	15.470	79.120
141	80.230	13.260	86.180	17.740	88.250	19.710	87.230
142	88.760	14.860	94.440	21.370	96.410	22.570	94.860
143	93.680	19.520	97.250	23.120	102.490	23.150	99.620
144	81.990	23.320	81.570	22.840	86.880	20.910	86.700
145	60.280	21.200	57.450	18.260	59.970	16.580	67.360
146	39.950	14.590	32.650	15.120	34.110	14.730	42.080
147	29.130	12.790	20.310	13.740	26.740	12.850	28.230

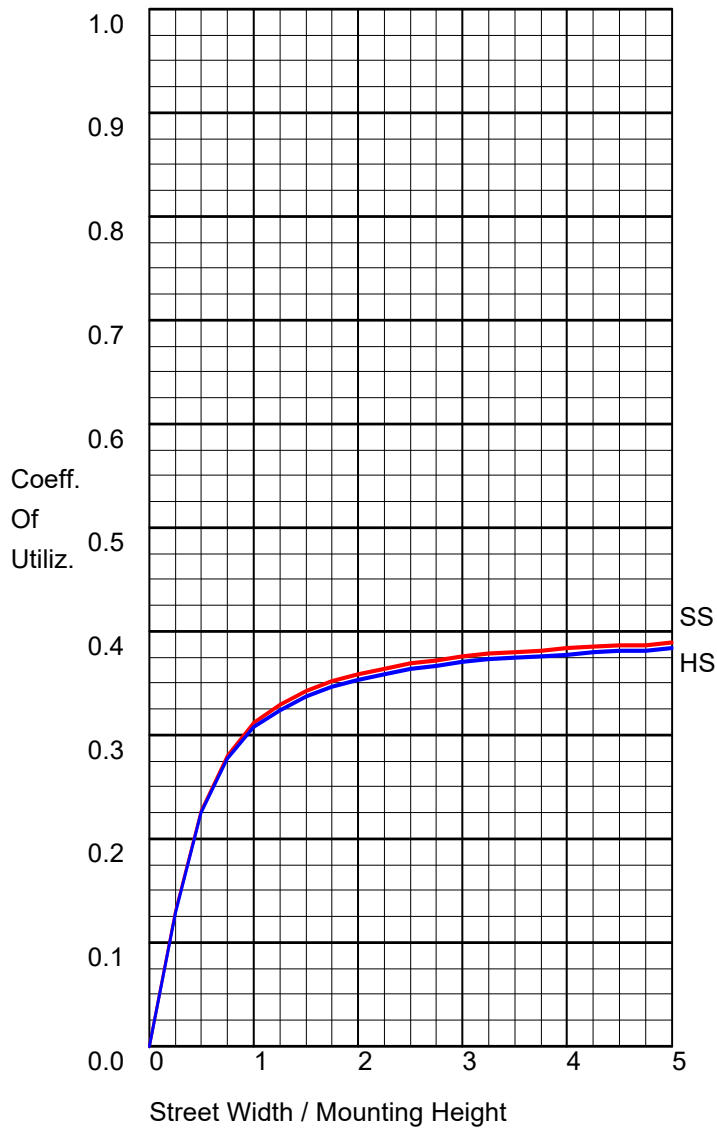
IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP MD NF 12 830_ONE SIDE ONLY.IES

CANDELA TABULATION - (Cont.)

148	19.380	11.410	18.140	12.220	19.360	10.760	18.720
149	17.140	10.330	12.950	10.540	13.860	9.020	15.780
150	13.280	8.730	11.660	8.750	11.800	7.440	13.510
151	11.420	6.980	10.250	6.680	9.990	6.070	11.480
152	9.490	4.910	8.150	4.650	8.020	4.690	9.280
153	7.470	3.010	5.800	3.270	6.450	3.450	7.430
154	5.990	1.870	3.760	2.310	5.100	2.420	5.950
155	4.690	1.080	2.610	1.660	3.920	1.720	4.550
156	3.540	0.930	1.790	1.160	2.870	1.180	3.280
157	2.520	0.930	1.210	0.950	2.000	0.970	2.190
158	1.680	1.010	1.010	0.990	1.330	0.990	1.360
159	1.070	1.050	0.990	1.010	0.950	1.030	1.000
160	0.990	1.110	1.010	1.090	0.950	1.090	0.970
161	1.010	1.190	1.090	1.150	1.010	1.150	0.970
162	1.070	1.290	1.790	1.210	1.300	1.170	0.990
163	1.090	1.320	2.080	1.290	1.400	1.210	0.990
164	1.290	1.360	2.100	1.290	1.400	1.230	0.990
165	1.330	1.400	2.020	1.290	1.360	1.210	1.030
166	1.330	1.440	1.900	1.320	1.380	1.170	1.050
167	1.320	1.420	1.780	1.300	1.340	1.110	1.030
168	1.300	1.370	1.640	1.260	1.310	1.070	1.070
169	1.250	1.290	1.520	1.150	1.250	1.070	1.070
170	1.190	1.170	1.390	1.090	1.150	1.090	1.070
171	1.110	1.110	1.210	1.090	1.090	1.110	1.110
172	1.130	1.130	1.130	1.130	1.130	1.110	1.130
173	1.130	1.170	1.170	1.130	1.150	1.150	1.150
174	1.170	1.190	1.190	1.170	1.150	1.210	1.210
175	1.190	1.190	1.210	1.170	1.150	1.230	1.230
176	1.210	1.210	1.230	1.210	1.210	1.230	1.270
177	1.270	1.250	1.250	1.210	1.270	1.210	1.250
178	1.290	1.290	1.230	1.230	1.270	1.270	1.270
179	1.310	1.270	1.250	1.250	1.290	1.310	1.290
180	1.310	1.310	1.310	1.310	1.310	1.310	1.310

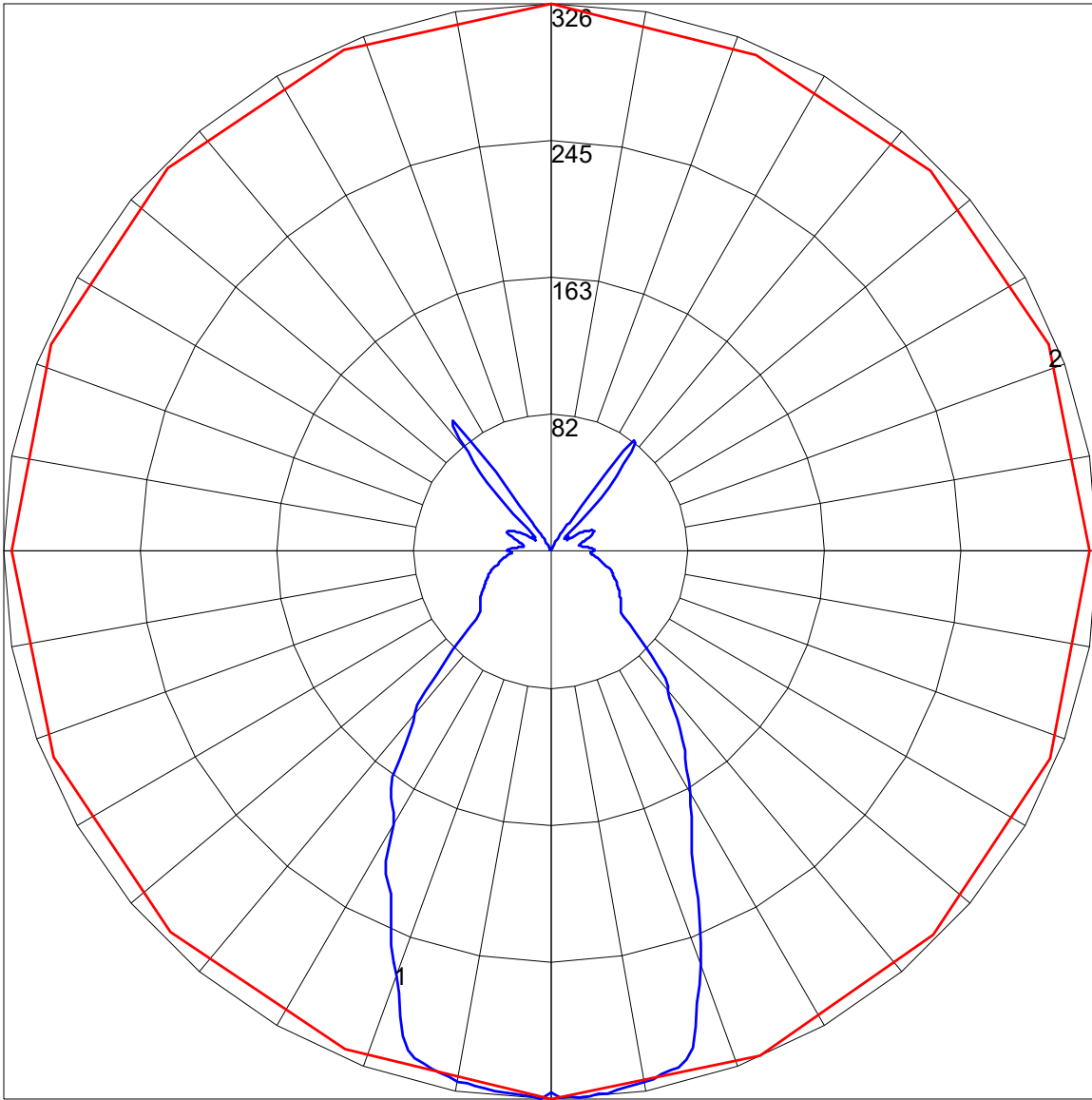
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

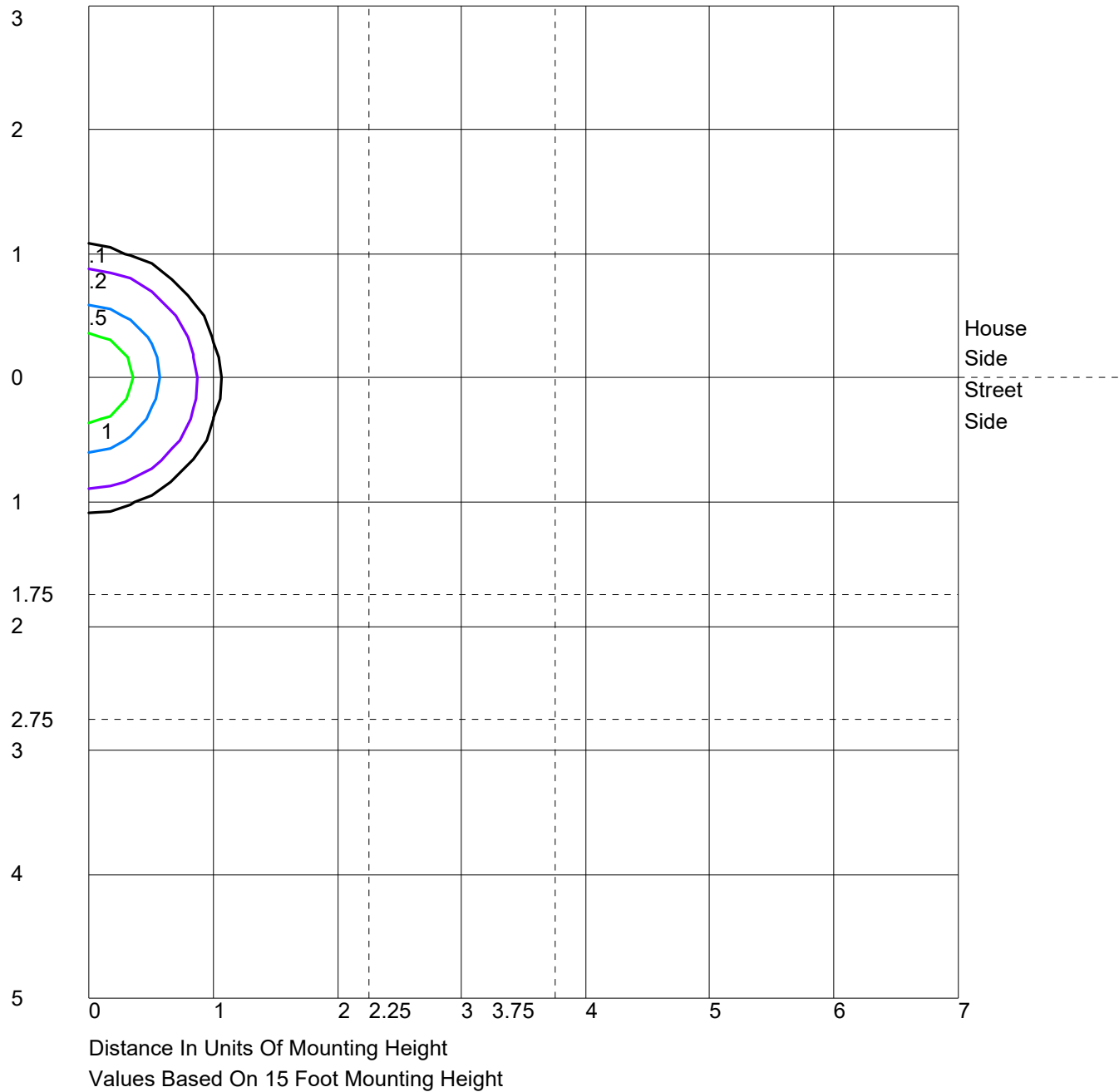
	Lumens	Percent Of Luminaire
Downward Street Side	265.1	40.4
Downward House Side	261.4	39.9
Downward Total	526.5	80.3
Upward Street Side	65.1	9.9
Upward House Side	64.3	9.8
Upward Total	129.4	19.7
Total Flux	655.9	100.0

POLAR GRAPH

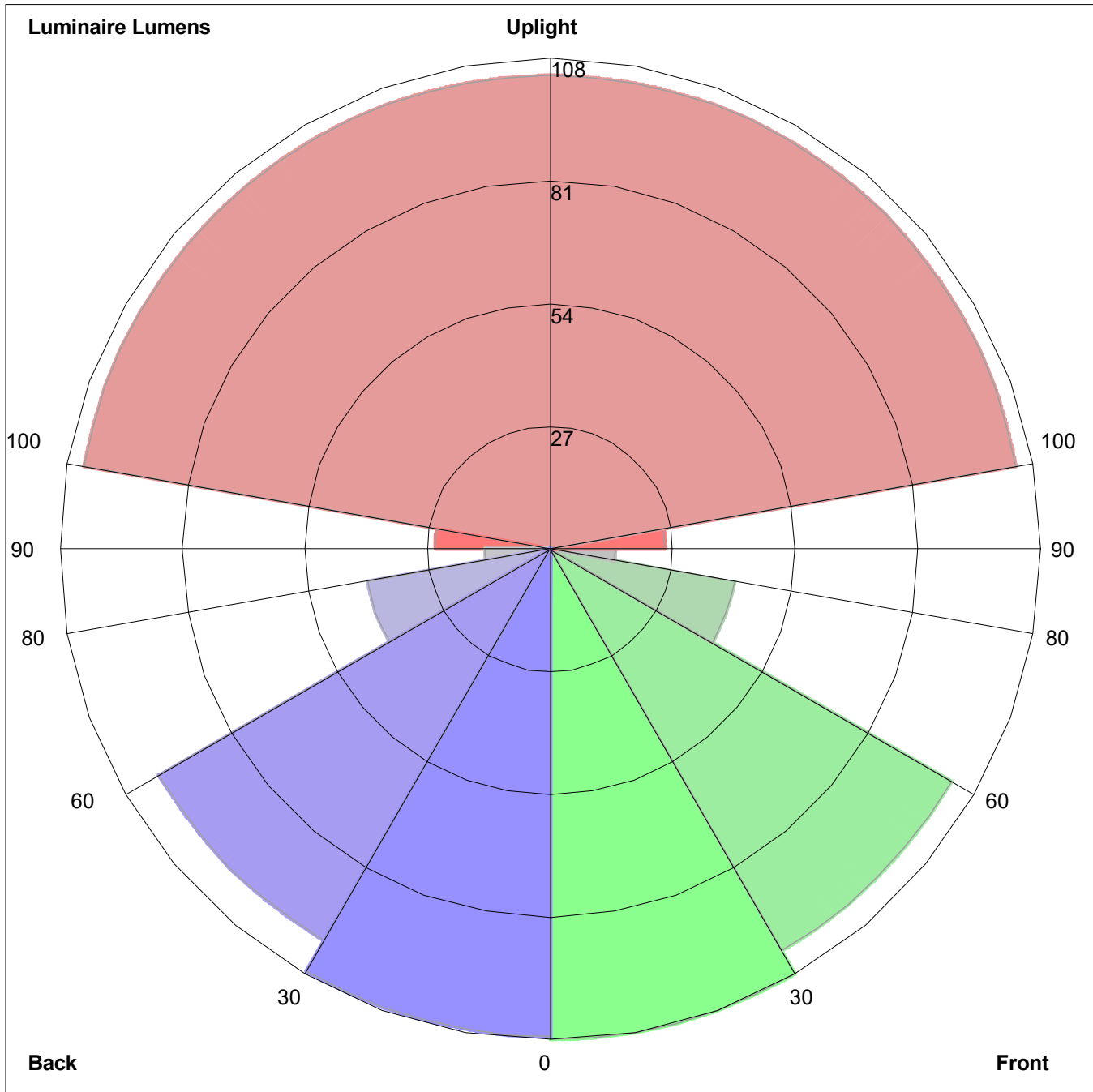


Maximum Candela = 326.31 Located At Horizontal Angle = 270, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=107.7, Medium=101.9, High=41.1, Very High=14.3
 Back: Low=107.1, Medium=99.3, High=40.7, Very High=14.3
 Uplight: Low=25.3, High=104.0

BUG Rating : B0-U3-G1