



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : LB-ALP80-40-T3.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]  
[ISSUEDATE] 2018-3-28 14:21  
[MANUFAC] LAMAR LIGHTING CO., INC  
[LUMCAT] LB-ALP80-40 (4000K, TYPE III DIST)  
[LAMP] LED 4000K  
[LAMP]  
[TESTLAB] Shenzhen Belling Test Laboratory  
[TESTINST] GPM-3000  
[TESTDIST] 17.398 m  
[TESTTEMPERATURE] 22.3 °C  
[TESTHUMIDITY]  
[TESTOPERATOR]  
[BALLAST]  
[BALLASTCAT]

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	10438.5 (1 lamp)
Total Lamp Lumens	10438.5
Luminaire Lumens	10438
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	82.77
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3894.32
Maximum Candela Angle	67.5H 70V
Maximum Candela (<90 Degrees Vertical)	3894.32
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1967.69 (18.9% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1196.2	11.5	11.5
FM - Front-Medium (30-60)	3384.2	32.4	32.4
FH - Front-High (60-80)	1952.0	18.7	18.7
FVH - Front-Very High (80-90)	135.6	1.3	1.3
BL - Back-Low (0-30)	913.0	8.7	8.7
BM - Back-Medium (30-60)	1801.0	17.3	17.3
BH - Back-High (60-80)	989.5	9.5	9.5
BVH - Back-Very High (80-90)	67.2	0.6	0.6
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	10438.7	100.0	100.0
BUG Rating	B2-U0-G2		

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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	2589.44	2589.44	2589.44	2589.44	2589.44	2589.44	2589.44	2589.44	2589.44	2589.44
1	2616.25	2617.95	2610.93	2601.82	2590.78	2579.24	2569.66	2563.15	2560.36	2562.76
2	2644.58	2642.80	2633.73	2614.85	2592.02	2569.14	2549.02	2536.53	2530.22	2534.58
3	2669.57	2667.54	2654.34	2627.03	2593.52	2558.74	2528.49	2508.71	2498.04	2505.52
4	2693.39	2690.78	2674.51	2639.73	2595.02	2548.32	2504.42	2476.43	2461.56	2475.41
5	2715.59	2712.94	2693.81	2651.68	2596.79	2537.58	2482.39	2447.21	2428.41	2445.28
6	2737.15	2733.49	2712.33	2662.98	2599.47	2527.49	2461.01	2417.11	2394.30	2411.40
7	2757.11	2756.19	2731.19	2675.90	2601.46	2517.50	2438.32	2387.66	2356.32	2379.23
8	2776.63	2776.09	2748.73	2686.98	2603.39	2506.55	2415.86	2352.57	2319.74	2347.39
9	2795.83	2793.85	2765.28	2700.23	2604.94	2495.82	2390.06	2320.62	2283.27	2314.14
10	2812.89	2811.49	2782.82	2714.03	2606.13	2483.26	2368.14	2286.72	2245.72	2280.37
11	2827.70	2828.37	2797.95	2729.89	2607.37	2472.84	2341.91	2254.01	2208.50	2246.90
12	2842.07	2843.76	2811.87	2743.25	2609.62	2462.86	2318.37	2221.31	2172.13	2210.65
13	2854.62	2859.14	2827.22	2755.53	2612.35	2451.91	2294.41	2187.62	2134.80	2177.95
14	2867.17	2871.95	2842.13	2766.38	2615.30	2440.85	2270.76	2154.15	2097.57	2144.17
15	2877.69	2884.74	2857.14	2775.29	2617.88	2430.98	2244.32	2116.89	2056.70	2111.68
16	2886.27	2897.23	2872.05	2786.16	2621.42	2419.06	2218.84	2082.76	2019.37	2077.58
17	2894.85	2909.17	2886.85	2797.88	2625.12	2408.54	2194.45	2049.62	1982.57	2041.65
18	2904.08	2919.28	2901.11	2809.51	2629.20	2397.16	2169.19	2016.16	1946.85	2009.15
19	2911.05	2930.57	2914.58	2820.15	2632.36	2384.81	2141.57	1978.35	1907.59	1976.34
20	2917.70	2939.83	2927.42	2831.24	2635.53	2372.35	2115.67	1943.90	1871.33	1942.89
21	2923.28	2948.32	2941.45	2842.20	2638.00	2362.37	2090.08	1909.67	1836.36	1911.48
22	2927.25	2955.53	2954.16	2854.04	2640.26	2349.81	2063.97	1876.10	1801.17	1880.06
23	2931.54	2962.10	2964.58	2864.03	2641.65	2337.14	2038.81	1843.94	1767.27	1846.71
24	2934.11	2967.48	2975.43	2874.36	2643.69	2324.90	2013.13	1811.44	1733.16	1816.16
25	2936.69	2973.50	2984.42	2881.95	2646.80	2310.83	1985.29	1775.37	1694.86	1785.60
26	2939.80	2979.63	2992.31	2890.32	2650.77	2297.20	1960.46	1741.80	1659.99	1751.51
27	2943.13	2986.20	3001.96	2900.21	2655.54	2283.35	1935.84	1708.87	1624.91	1720.09
28	2946.13	2991.03	3013.59	2909.66	2660.05	2268.32	1909.73	1674.64	1588.65	1689.32
29	2948.27	2996.74	3024.54	2919.43	2664.61	2255.01	1883.18	1640.42	1552.50	1658.23
30	2949.99	3001.36	3033.53	2930.52	2667.13	2242.45	1857.60	1605.87	1512.70	1627.04
31	2952.57	3005.66	3043.39	2942.56	2668.52	2227.52	1831.37	1568.48	1476.55	1595.19
32	2955.14	3007.82	3054.14	2953.75	2671.11	2215.18	1806.66	1533.61	1439.00	1560.98
33	2958.14	3009.64	3064.77	2964.08	2674.54	2201.54	1780.75	1499.71	1401.35	1524.19
34	2960.83	3011.80	3077.60	2973.96	2679.42	2186.29	1754.10	1462.98	1368.85	1488.80
35	2962.97	3016.63	3089.67	2987.00	2681.67	2172.98	1728.20	1425.27	1326.15	1453.30
36	2963.19	3021.37	3103.03	2997.97	2680.71	2155.92	1697.45	1389.64	1282.06	1416.71
37	2962.11	3026.53	3116.08	3007.09	2680.01	2142.39	1668.32	1348.23	1241.72	1374.98
38	2960.40	3030.84	3129.23	3019.80	2683.02	2129.61	1641.67	1309.98	1200.10	1342.60
39	2957.39	3035.36	3139.21	3035.33	2683.82	2116.51	1612.76	1272.06	1159.98	1303.76
40	2953.10	3039.88	3146.78	3046.09	2686.61	2103.10	1586.43	1234.47	1120.18	1265.03
41	2944.95	3041.82	3155.99	3057.81	2688.65	2087.09	1558.15	1195.24	1081.02	1225.11
42	2934.65	3042.35	3169.58	3070.97	2691.28	2076.26	1526.66	1153.52	1038.65	1183.16
43	2920.28	3040.09	3182.19	3082.04	2698.20	2062.08	1495.81	1116.36	1002.07	1146.47
44	2903.97	3034.72	3199.95	3095.07	2701.42	2047.48	1463.25	1075.72	961.95	1109.58
45	2883.91	3027.28	3216.49	3113.11	2704.75	2031.05	1427.03	1039.00	927.51	1072.24
46	2857.95	3016.31	3232.28	3130.81	2709.52	2014.74	1392.21	1004.87	895.33	1035.67
47	2825.01	3003.09	3244.56	3147.97	2714.40	1997.87	1362.11	971.08	865.61	999.85
48	2783.28	2988.34	3260.01	3168.83	2722.34	1983.38	1326.75	940.22	838.58	963.16
49	2739.09	2967.26	3273.61	3190.01	2726.47	1967.17	1292.47	907.63	810.90	932.72
50	2679.23	2940.79	3289.51	3212.06	2733.19	1952.25	1255.92	879.91	788.70	902.81
51	2612.18	2904.86	3302.12	3235.41	2742.63	1939.48	1220.56	854.49	766.38	874.95
52	2537.94	2857.96	3310.88	3259.97	2750.94	1922.94	1184.87	829.60	746.11	846.55

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53	2440.96	2799.00	3314.72	3284.08	2762.58	1905.12	1147.47	805.60	726.05	820.72
54	2323.71	2730.48	3319.10	3309.71	2774.71	1885.15	1107.38	781.58	705.56	797.92
55	2201.52	2642.26	3320.64	3340.99	2786.73	1865.72	1073.74	760.17	686.46	776.72
56	2044.69	2545.01	3325.47	3376.30	2802.56	1846.49	1041.18	741.05	668.65	753.92
57	1880.66	2426.99	3320.20	3411.82	2820.91	1827.18	1008.92	721.71	651.17	733.48
58	1717.49	2288.32	3301.35	3448.75	2836.47	1807.42	977.87	703.89	633.04	715.09
59	1518.28	2140.51	3268.46	3494.58	2852.56	1786.38	947.02	685.74	615.44	697.76
60	1349.96	1966.55	3239.74	3532.93	2873.06	1764.15	916.49	666.07	598.60	681.19
61	1167.49	1792.38	3192.70	3574.75	2901.07	1739.14	890.27	648.14	581.97	663.12
62	1016.12	1586.04	3132.20	3617.33	2926.34	1715.63	862.86	629.68	561.27	645.91
63	880.20	1406.50	3054.80	3661.21	2950.70	1685.35	839.64	610.33	540.03	625.57
64	776.04	1215.65	2952.96	3701.84	2970.71	1651.85	813.10	589.26	517.82	604.59
65	680.45	1046.96	2834.12	3750.94	2997.60	1615.35	786.98	564.69	491.54	579.74
66	604.50	901.73	2690.30	3793.73	3026.62	1579.27	761.29	539.27	464.61	551.78
67	541.32	782.54	2541.09	3829.25	3048.19	1543.64	733.88	511.46	433.61	521.55
68	489.39	690.77	2359.34	3856.73	3075.12	1499.83	702.28	478.31	404.75	490.24
69	445.84	610.62	2169.03	3878.35	3107.53	1454.53	669.40	444.96	373.54	455.49
70	402.72	542.63	1959.98	3894.32	3132.91	1406.64	634.03	411.49	343.18	416.54
71	369.14	485.19	1748.62	3893.23	3148.09	1349.74	591.15	375.74	309.06	380.29
72	337.92	438.61	1544.51	3873.57	3150.09	1278.03	543.75	338.36	281.92	344.68
73	308.42	399.23	1351.24	3828.60	3131.95	1206.09	497.32	305.44	256.39	311.98
74	280.42	360.07	1169.26	3750.39	3079.31	1126.65	450.88	276.21	222.81	279.17
75	257.89	325.11	1012.83	3630.48	2977.95	1039.68	404.02	250.02	189.99	252.17
76	234.72	295.41	860.55	3436.26	2801.81	946.61	360.92	227.20	162.63	230.54
77	209.51	268.95	743.15	3172.52	2539.48	837.20	318.58	201.45	142.03	206.87
78	186.02	244.96	635.38	2839.05	2188.10	736.60	283.96	178.52	125.08	184.39
79	166.17	222.26	544.06	2454.09	1734.82	638.58	254.52	157.55	110.07	163.09
80	146.54	200.96	467.66	1967.69	1300.76	544.75	221.95	134.85	94.83	143.84
81	125.84	177.83	398.93	1517.56	911.66	446.62	178.63	114.30	81.42	123.61
82	108.89	158.25	313.09	1121.85	613.33	375.12	136.93	96.38	68.87	105.43
83	93.87	137.60	248.63	786.31	388.14	312.21	102.54	81.06	59.22	87.79
84	80.56	121.88	197.65	556.91	253.36	256.80	75.77	66.39	48.92	72.18
85	64.37	102.52	155.12	390.61	165.15	188.53	53.95	48.03	37.12	54.75
86	51.60	78.00	115.87	232.77	104.30	111.01	36.44	32.59	27.68	38.41
87	37.33	52.93	71.14	135.56	58.27	60.55	21.92	22.71	20.49	25.07
88	25.75	32.81	38.91	66.26	31.82	31.67	12.68	11.63	10.08	13.77
89	14.59	17.97	16.67	17.60	17.44	15.99	6.23	7.17	6.65	10.76
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	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

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**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	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	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 : LB-ALP80-40-T3.IES**

**CANDELA TABULATION - (Cont.)**

165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	2589.44	2589.44	2589.44	2589.44	2589.44	2589.44	2589.44
1	2567.85	2577.27	2588.74	2599.64	2608.79	2614.00	2616.25
2	2546.03	2564.46	2587.89	2610.91	2629.21	2639.75	2644.58
3	2523.23	2551.85	2587.24	2620.89	2647.80	2663.01	2669.57
4	2499.99	2538.71	2587.13	2630.66	2666.19	2685.39	2693.39
5	2474.23	2525.57	2586.44	2640.33	2683.17	2706.36	2715.59
6	2450.98	2513.41	2586.81	2649.13	2698.64	2726.68	2737.15
7	2426.65	2501.35	2587.62	2659.11	2714.98	2746.02	2757.11
8	2404.28	2489.72	2588.10	2668.67	2732.82	2765.15	2776.63
9	2377.32	2478.42	2589.33	2678.55	2747.54	2783.18	2795.83
10	2353.31	2465.28	2589.92	2688.53	2762.91	2800.68	2812.89
11	2328.87	2453.33	2590.78	2698.20	2776.78	2815.56	2827.70
12	2304.85	2442.47	2592.98	2708.71	2790.21	2830.56	2842.07
13	2281.29	2431.07	2595.18	2718.80	2803.65	2844.24	2854.62
14	2257.06	2419.01	2597.49	2730.94	2814.29	2856.09	2867.17
15	2234.48	2406.96	2600.70	2742.21	2825.58	2866.74	2877.69
16	2208.61	2395.55	2603.44	2751.45	2836.11	2877.38	2886.27
17	2185.36	2387.07	2607.04	2761.86	2845.89	2887.49	2894.85
18	2160.92	2375.78	2609.73	2770.87	2855.35	2897.16	2904.08
19	2137.13	2364.92	2611.76	2779.25	2865.13	2905.97	2911.05
20	2111.04	2352.53	2612.89	2788.92	2876.20	2914.33	2917.70
21	2087.69	2338.20	2612.89	2799.12	2887.70	2921.39	2923.28
22	2065.00	2324.94	2612.73	2810.17	2899.52	2928.45	2927.25
23	2042.20	2312.67	2613.43	2820.37	2910.91	2934.10	2931.54
24	2018.73	2299.53	2614.98	2831.96	2921.88	2939.54	2934.11
25	1992.76	2285.51	2617.45	2841.74	2931.01	2944.21	2936.69
26	1969.62	2274.33	2619.22	2852.80	2940.05	2949.21	2939.80
27	1945.18	2261.62	2618.04	2864.18	2947.78	2953.01	2943.13
28	1920.18	2248.25	2618.74	2872.44	2954.77	2955.73	2946.13
29	1896.95	2233.81	2620.45	2883.82	2961.11	2957.91	2948.27
30	1873.04	2222.63	2622.76	2893.48	2965.20	2960.95	2949.99
31	1848.71	2211.87	2627.27	2903.68	2971.00	2963.34	2952.57
32	1825.25	2198.62	2627.96	2915.17	2976.91	2965.73	2955.14
33	1801.90	2184.60	2629.14	2927.73	2983.14	2967.89	2958.14
34	1778.11	2172.54	2629.84	2937.71	2991.42	2970.07	2960.83
35	1755.64	2162.23	2631.61	2949.95	2999.37	2972.35	2962.97

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : LB-ALP80-40-T3.IES**

**CANDELA TABULATION - (Cont.)**

36	1729.32	2148.76	2635.42	2965.42	3008.19	2976.16	2963.19
37	1706.31	2136.16	2639.29	2976.91	3017.76	2981.48	2962.11
38	1682.41	2123.12	2642.62	2987.53	3028.18	2986.59	2960.40
39	1655.00	2111.40	2647.01	2998.05	3039.14	2989.31	2957.39
40	1626.61	2098.14	2649.27	3011.36	3050.64	2991.15	2953.10
41	1596.80	2085.21	2652.70	3026.50	3063.00	2991.15	2944.95
42	1564.89	2068.49	2657.53	3040.25	3072.89	2988.22	2934.65
43	1537.16	2055.67	2663.05	3056.57	3080.63	2983.33	2920.28
44	1506.02	2041.01	2666.27	3072.99	3089.01	2977.35	2903.97
45	1475.99	2026.02	2670.14	3090.81	3098.36	2969.09	2883.91
46	1442.33	2012.88	2675.45	3105.95	3108.79	2958.12	2857.95
47	1404.29	1999.40	2682.00	3120.23	3119.54	2941.82	2825.01
48	1376.23	1984.09	2687.31	3137.30	3131.04	2923.46	2783.28
49	1340.71	1967.90	2691.70	3154.91	3140.17	2896.62	2739.09
50	1302.24	1954.00	2702.17	3176.91	3149.21	2864.67	2679.23
51	1267.37	1940.97	2711.83	3200.96	3151.46	2822.95	2612.18
52	1231.96	1923.80	2721.43	3225.23	3152.53	2768.73	2537.94
53	1195.02	1908.71	2735.49	3252.17	3155.97	2707.55	2440.96
54	1160.70	1890.03	2747.35	3277.73	3157.26	2627.04	2323.71
55	1120.70	1872.97	2760.54	3307.04	3151.24	2533.59	2201.52
56	1086.82	1854.62	2778.84	3338.71	3137.05	2432.32	2044.69
57	1054.26	1836.04	2796.11	3374.89	3117.93	2310.30	1880.66
58	1022.58	1813.45	2812.97	3406.88	3092.24	2167.96	1717.49
59	991.66	1791.94	2832.66	3443.81	3057.30	2013.77	1518.28
60	961.52	1766.95	2850.63	3477.31	3013.24	1855.34	1349.96
61	934.00	1746.31	2876.60	3520.90	2958.97	1670.95	1167.49
62	904.62	1722.74	2906.49	3571.57	2890.81	1494.93	1016.12
63	877.99	1693.42	2930.74	3616.24	2802.04	1312.81	880.20
64	852.55	1659.96	2949.41	3653.60	2702.62	1136.46	776.04
65	825.15	1628.90	2973.56	3692.89	2586.97	980.97	680.45
66	796.75	1596.85	3006.82	3731.33	2458.21	848.08	604.50
67	769.13	1559.92	3029.57	3768.26	2296.12	749.20	541.32
68	733.93	1518.97	3049.37	3796.17	2127.17	656.85	489.39
69	698.09	1478.67	3069.71	3812.70	1942.41	584.15	445.84
70	658.19	1434.25	3085.16	3818.61	1757.85	521.34	402.72
71	613.02	1385.80	3089.35	3805.84	1549.56	467.56	369.14
72	561.06	1315.31	3074.64	3768.26	1366.74	422.25	337.92
73	511.18	1246.01	3024.75	3718.02	1171.43	382.80	308.42
74	462.40	1166.38	2911.37	3623.32	1005.49	347.49	280.42
75	414.60	1073.73	2677.81	3485.26	865.98	311.96	257.89
76	371.19	971.63	2351.91	3296.30	733.78	284.47	234.72
77	329.09	852.68	1975.52	3031.55	627.26	258.29	209.51
78	295.44	742.76	1567.37	2697.77	532.68	234.71	186.02
79	266.06	638.37	1128.52	2293.02	460.45	213.52	166.17
80	234.27	542.14	796.24	1874.52	399.29	193.52	146.54
81	189.33	448.28	523.24	1417.38	340.07	171.79	125.84
82	148.10	378.00	344.57	1073.72	275.48	152.23	108.89
83	114.45	321.52	223.53	767.73	224.32	133.97	93.87
84	85.94	268.73	149.38	575.02	178.85	117.24	80.56
85	62.70	216.92	94.43	397.98	143.05	97.91	64.37
86	43.74	132.73	58.59	258.95	104.79	75.62	51.60
87	27.73	77.56	29.35	142.36	67.93	53.35	37.33
88	19.18	44.21	15.39	60.77	36.01	33.25	25.75
89	12.50	22.38	10.46	16.96	16.01	18.25	14.59
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 : LB-ALP80-40-T3.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	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00

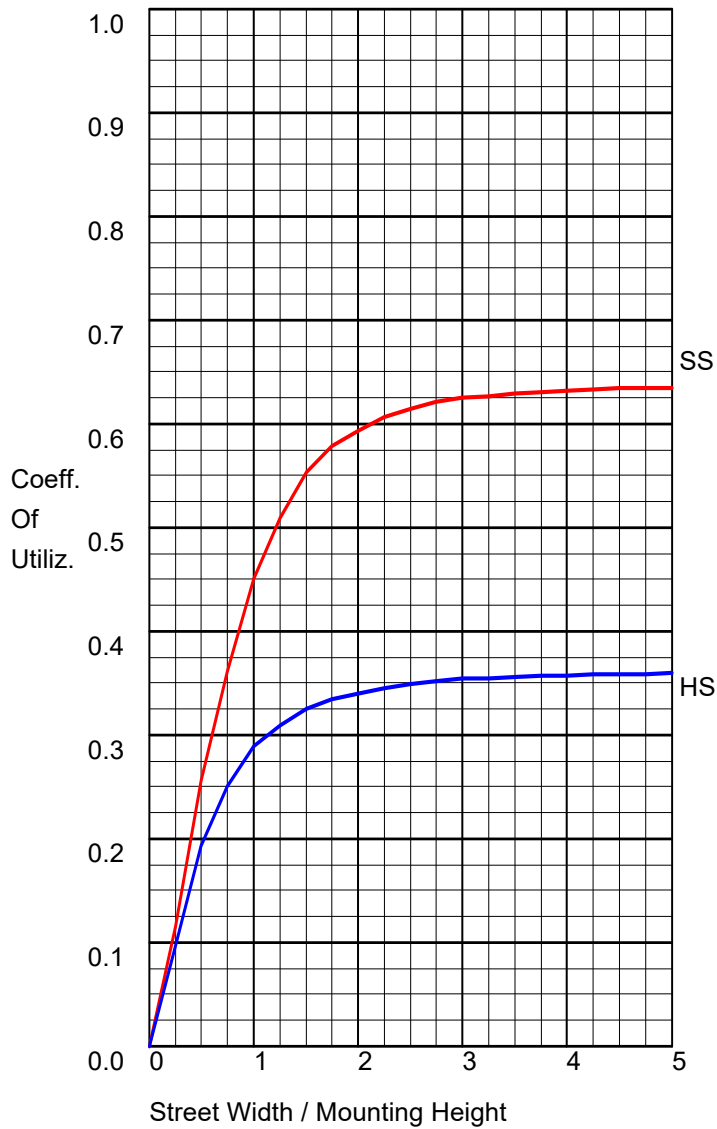


**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : LB-ALP80-40-T3.IES**

**CANDELA TABULATION - (Cont.)**

148	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

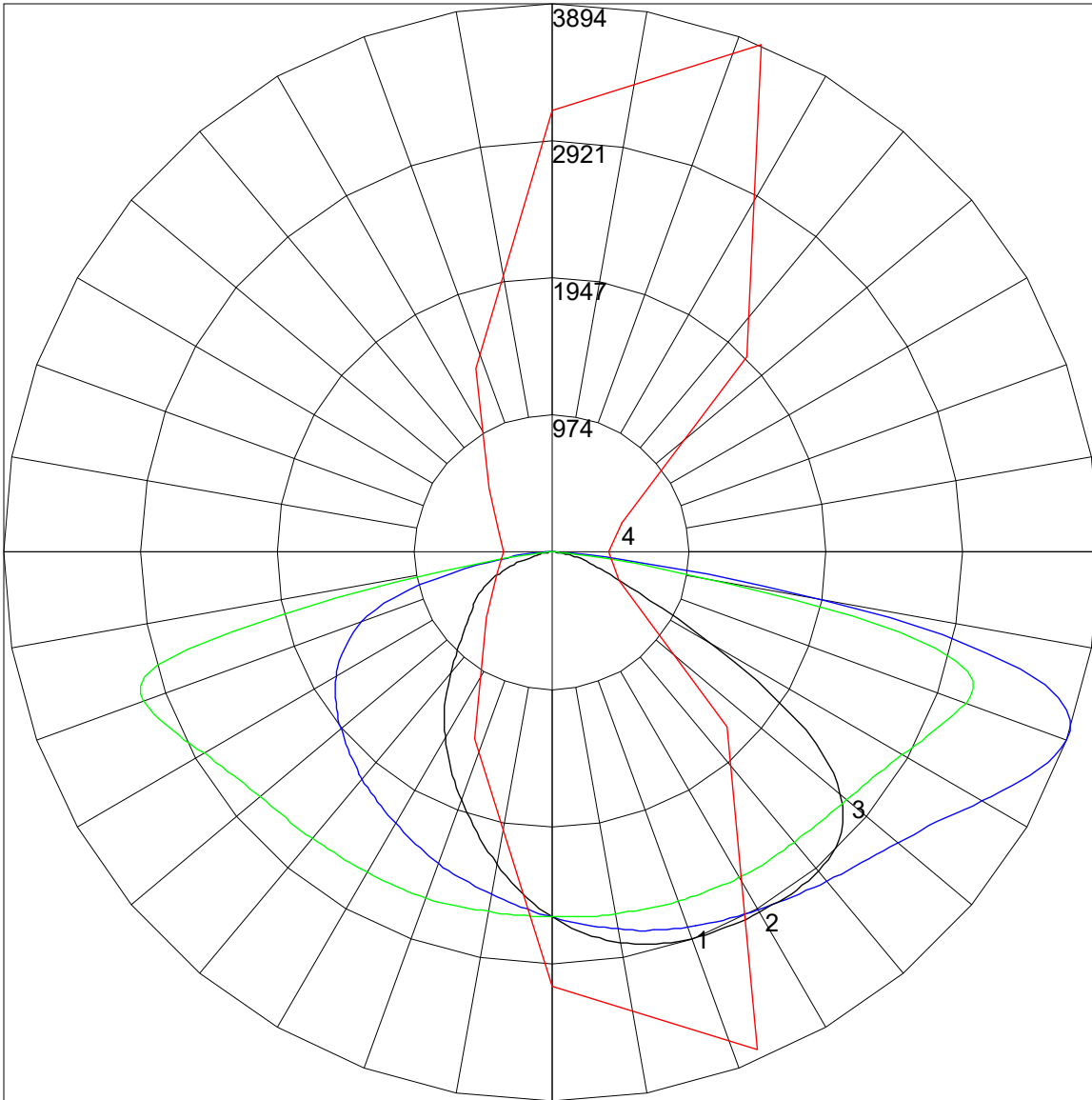
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

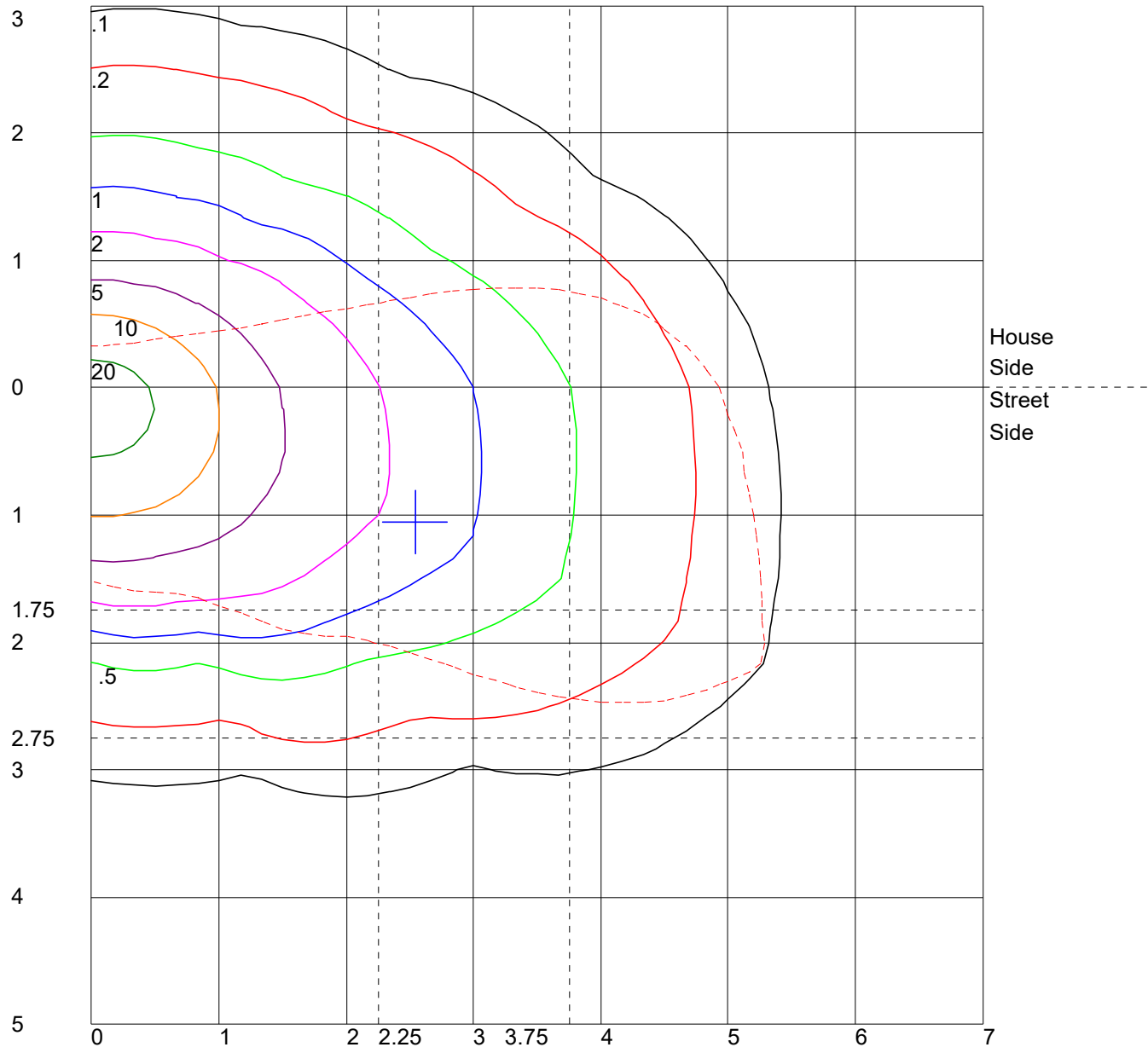
	Lumens	Percent Of Lamp
Downward Street Side	6667.9	63.9
Downward House Side	3770.6	36.1
Downward Total	10438.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
<b>Total Flux</b>	<b>10438.5</b>	<b>100.0</b>

POLAR GRAPH



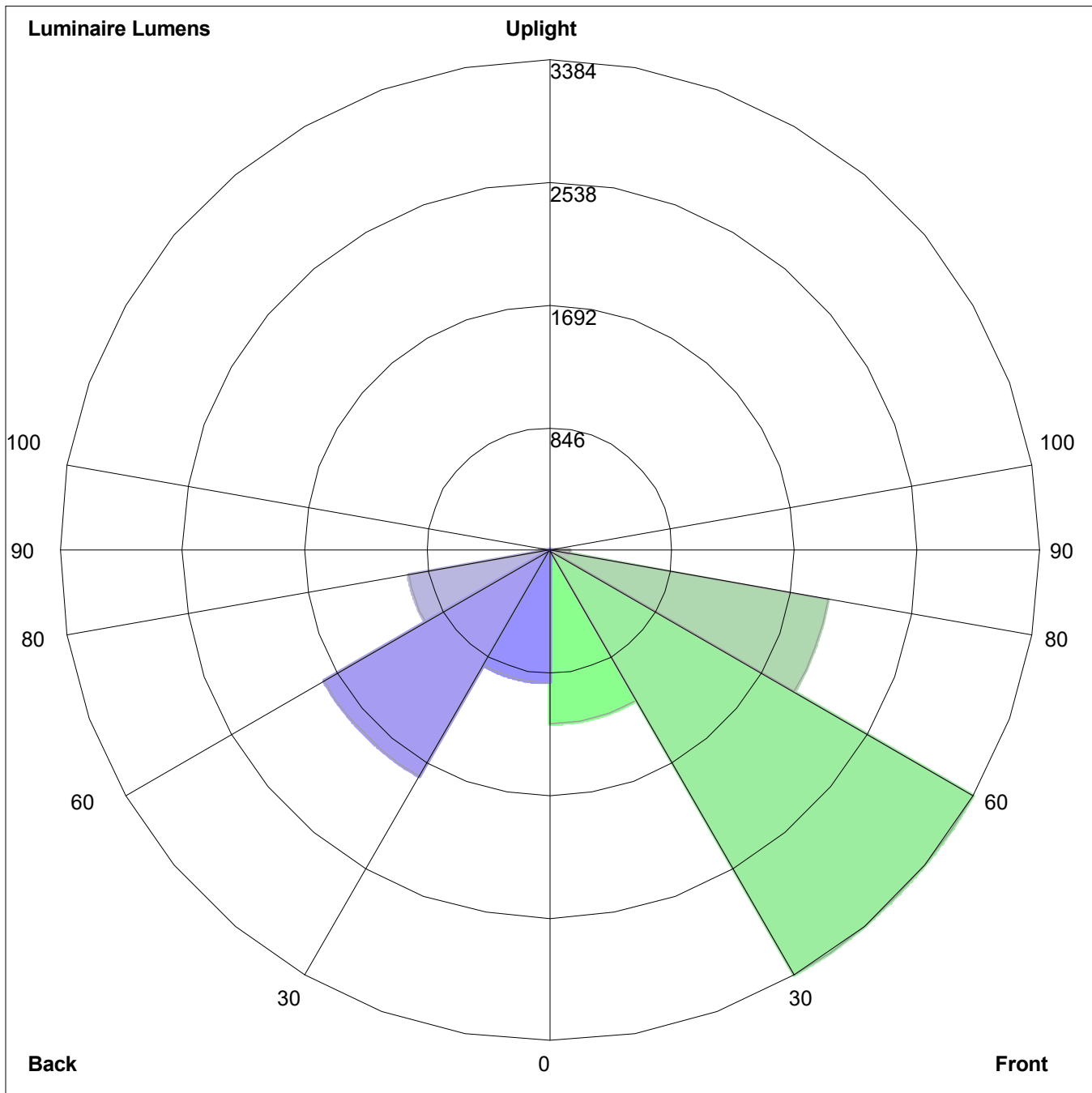
Maximum Candela = 3894.32 Located At Horizontal Angle = 67.5, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 3 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 4 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 10 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=1196.2, Medium=3384.2, High= 1952.0, Very High=135.6  
 Back: Low=913.0, Medium= 1801.0, High=989.5, Very High=67.2  
 Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2