



IES ROAD REPORT
PHOTOMETRIC FILENAME : LB-ALP100-40-T3.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[ISSUEDATE] 2018-3-28 15:09[MANUFAC] LAMAR LIGHTING CO., INC
[LUMCAT] LB-ALP100-40 (4000K, TYPE III DIST)
[LAMP] LED 4000K
[LAMP]
[TESTLAB] Shenzhen Belling Test Laboratory
[TESTINST] GPM-3000
[TESTDIST] 17.398 m
[TESTTEMPERATURE] 22.4 'C
[TESTHUMIDITY]
[TESTOPERATOR]
[BALLAST]
[BALLASTCAT]

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	12520.8 (1 lamp)
Total Lamp Lumens	12520.8
Luminaire Lumens	12521
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	102.07
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4781.2
Maximum Candela Angle	292.5H 69V
Maximum Candela (<90 Degrees Vertical)	4781.2
Maximum Candela Angle (<90 Degrees Vertical)	292.5H 69V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2712.47 (21.7% Lamp Lumens)
Cutoff Classification (deprecated)	Non-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1425.5	11.4	11.4
FM - Front-Medium (30-60)	4050.9	32.4	32.4
FH - Front-High (60-80)	2347.1	18.7	18.7
FVH - Front-Very High (80-90)	160.7	1.3	1.3
BL - Back-Low (0-30)	1101.0	8.8	8.8
BM - Back-Medium (30-60)	2180.6	17.4	17.4
BH - Back-High (60-80)	1174.7	9.4	9.4
BVH - Back-Very High (80-90)	80.3	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	12520.8	100.0	100.0
BUG Rating	B3-U0-G3		

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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	3093.10	3093.10	3093.10	3093.10	3093.10	3093.10	3093.10	3093.10	3093.10	3093.10
1	3128.61	3120.77	3114.31	3103.22	3090.51	3077.41	3067.40	3061.74	3060.06	3059.83
2	3157.79	3147.90	3137.50	3114.31	3088.04	3062.05	3040.52	3029.29	3024.98	3030.22
3	3186.43	3174.06	3159.03	3125.52	3086.21	3044.44	3013.75	2996.08	2988.29	2998.57
4	3213.57	3199.36	3179.48	3136.51	3083.96	3029.31	2986.22	2960.80	2950.10	2965.30
5	3238.99	3223.05	3199.36	3146.30	3082.44	3014.48	2956.11	2926.28	2911.91	2932.89
6	3261.84	3247.17	3217.50	3157.29	3080.08	2999.66	2928.69	2887.52	2868.89	2899.95
7	3286.62	3267.41	3236.29	3167.51	3078.36	2983.01	2901.16	2850.71	2829.20	2862.38
8	3308.51	3288.62	3253.87	3177.84	3075.03	2967.23	2872.35	2813.47	2788.97	2827.06
9	3328.03	3308.00	3270.69	3188.40	3072.34	2951.98	2843.21	2776.34	2747.67	2791.74
10	3347.02	3326.19	3288.50	3198.18	3070.62	2935.86	2809.98	2737.04	2705.29	2755.46
11	3364.18	3343.31	3302.66	3207.87	3069.86	2919.43	2780.09	2698.05	2658.74	2720.04
12	3378.56	3359.35	3316.51	3218.09	3069.33	2903.53	2750.30	2659.61	2616.15	2685.05
13	3394.33	3374.65	3329.37	3230.71	3066.75	2887.65	2719.87	2616.28	2573.67	2645.97
14	3406.67	3387.78	3343.22	3242.46	3065.78	2872.29	2690.20	2577.08	2530.33	2608.93
15	3418.90	3400.81	3356.96	3253.13	3064.81	2854.57	2661.17	2537.77	2488.49	2571.68
16	3428.66	3413.08	3370.69	3265.53	3063.74	2838.99	2627.84	2497.37	2441.07	2533.46
17	3438.42	3423.52	3384.32	3273.35	3063.20	2823.85	2596.00	2457.41	2398.59	2495.66
18	3447.22	3435.25	3397.18	3282.28	3064.28	2808.16	2564.50	2411.78	2357.29	2455.62
19	3454.62	3444.63	3410.91	3291.42	3064.17	2791.19	2534.28	2371.60	2314.92	2420.41
20	3462.24	3454.42	3424.88	3301.96	3065.24	2774.77	2503.86	2329.78	2273.83	2384.34
21	3468.35	3463.03	3438.17	3309.04	3064.81	2758.44	2473.00	2290.16	2233.92	2350.00
22	3474.25	3471.00	3450.80	3316.87	3064.38	2742.01	2436.76	2250.85	2189.40	2313.07
23	3479.94	3476.92	3463.33	3326.76	3062.88	2725.15	2405.04	2212.41	2148.64	2277.11
24	3484.87	3482.20	3471.58	3337.10	3061.48	2709.14	2373.11	2170.37	2108.41	2238.68
25	3490.23	3488.77	3479.16	3345.81	3059.97	2690.35	2342.79	2131.72	2069.15	2204.00
26	3495.60	3494.15	3485.64	3353.09	3059.65	2672.42	2308.38	2090.45	2023.87	2168.26
27	3499.14	3501.04	3492.46	3359.94	3063.20	2653.19	2277.08	2050.93	1983.00	2133.92
28	3502.57	3509.12	3502.24	3367.23	3063.20	2633.42	2245.36	2009.65	1941.16	2098.38
29	3504.72	3516.66	3513.56	3374.20	3063.31	2612.91	2212.99	1964.46	1899.43	2057.26
30	3506.86	3522.58	3524.65	3383.23	3064.60	2595.30	2181.06	1923.09	1857.49	2018.39
31	3509.97	3526.13	3535.20	3391.81	3064.06	2575.33	2147.83	1882.58	1809.75	1981.03
32	3512.12	3529.46	3545.20	3401.17	3061.26	2555.89	2117.30	1840.22	1763.84	1940.98
33	3515.34	3531.40	3554.87	3411.29	3061.37	2538.92	2086.44	1798.74	1718.46	1900.93
34	3518.45	3533.13	3566.96	3417.81	3060.30	2519.15	2054.72	1748.21	1670.72	1858.29
35	3522.20	3534.95	3579.39	3426.19	3061.58	2499.72	2022.67	1702.47	1623.09	1810.27
36	3523.49	3539.69	3592.57	3436.42	3057.51	2477.60	1986.23	1657.07	1574.82	1767.21
37	3524.35	3545.29	3608.50	3445.45	3053.63	2457.61	1950.31	1611.67	1521.39	1723.93
38	3523.81	3551.32	3626.09	3457.52	3050.41	2440.54	1916.66	1565.72	1472.26	1679.25
39	3520.49	3557.57	3638.62	3469.28	3046.64	2422.28	1882.14	1516.28	1422.81	1632.74
40	3515.02	3563.60	3645.76	3481.34	3043.20	2402.84	1849.88	1469.89	1371.85	1581.05
41	3507.93	3567.26	3652.68	3494.40	3042.13	2382.33	1815.26	1421.01	1325.08	1533.36
42	3497.74	3569.63	3666.53	3507.02	3040.72	2365.47	1777.30	1377.99	1273.91	1487.61
43	3483.58	3569.30	3683.56	3518.01	3040.19	2350.97	1740.53	1326.92	1228.53	1437.00
44	3465.45	3565.97	3701.69	3527.91	3041.70	2330.67	1703.11	1282.38	1184.65	1387.27
45	3440.57	3559.18	3722.25	3544.34	3039.43	2308.97	1663.43	1239.26	1143.46	1345.05
46	3411.49	3550.14	3742.58	3562.82	3038.68	2286.85	1619.02	1197.67	1101.30	1299.09
47	3374.48	3540.12	3756.43	3579.47	3039.01	2266.12	1577.52	1157.27	1063.97	1255.69
48	3331.57	3523.54	3774.12	3599.49	3043.31	2245.18	1538.06	1115.90	1030.60	1211.23
49	3284.69	3501.26	3794.55	3619.28	3045.89	2224.67	1497.84	1080.40	999.17	1173.43
50	3216.04	3469.50	3814.56	3645.72	3045.03	2202.01	1453.97	1048.05	969.99	1137.26
51	3134.72	3431.81	3832.36	3670.09	3049.12	2181.82	1413.00	1016.70	942.96	1102.60
52	3044.50	3377.23	3846.65	3697.38	3053.63	2161.30	1375.48	987.84	915.28	1070.29

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CANDELA TABULATION - (Cont.)

53	2924.67	3311.88	3855.99	3720.34	3058.37	2140.04	1329.45	957.25	890.18	1039.72
54	2783.39	3229.72	3863.57	3750.04	3064.92	2114.69	1287.52	930.79	867.44	1007.53
55	2620.44	3136.71	3867.31	3782.89	3072.45	2086.34	1243.54	905.85	843.51	979.21
56	2449.23	3021.29	3875.55	3820.09	3083.31	2061.85	1206.77	883.09	822.81	954.88
57	2251.41	2879.60	3878.41	3860.45	3101.38	2035.75	1169.78	859.78	800.71	929.68
58	2053.48	2712.29	3861.38	3902.55	3121.59	2008.37	1135.80	836.49	779.36	903.95
59	1808.25	2521.08	3827.75	3954.77	3133.21	1976.47	1100.32	816.23	758.77	880.27
60	1605.07	2331.16	3801.04	4007.96	3148.15	1949.83	1066.12	795.77	736.13	857.22
61	1391.37	2123.04	3752.80	4053.76	3169.66	1920.73	1036.77	773.43	713.82	834.29
62	1215.65	1877.89	3688.62	4109.35	3193.75	1886.47	1008.48	752.75	689.57	808.24
63	1058.07	1669.45	3603.34	4164.50	3220.41	1854.89	980.96	730.75	664.15	781.75
64	924.83	1445.40	3503.66	4220.09	3242.57	1818.16	952.14	706.80	635.61	752.36
65	818.30	1242.56	3362.23	4286.55	3265.90	1777.24	925.26	680.66	601.93	719.31
66	729.37	1076.32	3204.20	4350.08	3298.91	1734.61	897.53	652.14	568.99	684.10
67	661.25	948.63	3023.97	4409.69	3333.00	1693.58	867.95	616.21	534.56	641.69
68	594.42	835.04	2829.13	4465.06	3359.89	1646.00	834.94	581.57	495.08	599.47
69	538.96	734.60	2621.87	4515.21	3394.51	1599.07	800.96	544.01	456.25	554.47
70	490.25	658.91	2373.73	4561.44	3434.09	1553.21	764.19	500.24	420.42	510.01
71	450.35	589.57	2143.17	4598.65	3463.44	1490.60	719.67	457.22	382.23	457.57
72	409.58	533.26	1909.97	4613.01	3486.24	1426.58	672.25	416.93	347.36	414.18
73	374.50	482.77	1681.72	4600.82	3501.62	1358.93	614.30	377.41	312.39	373.60
74	342.96	440.99	1461.05	4556.87	3499.68	1282.56	560.10	337.22	279.99	333.97
75	313.14	400.08	1272.69	4475.83	3458.70	1197.50	504.08	304.02	236.01	302.54
76	283.10	359.17	1099.83	4327.78	3360.42	1096.87	451.07	275.81	203.50	275.72
77	251.56	327.30	949.71	4091.40	3170.95	996.45	395.59	247.18	177.11	246.23
78	223.46	297.90	820.70	3724.14	2862.76	892.70	352.15	218.97	153.73	220.28
79	200.39	269.70	706.51	3274.77	2407.03	781.33	314.73	190.34	134.31	194.66
80	173.14	244.61	608.93	2712.47	1929.37	658.89	280.10	163.23	117.57	171.30
81	150.83	218.99	507.72	2131.15	1426.22	554.18	235.27	138.29	100.41	148.80
82	129.38	192.39	409.47	1579.62	978.23	456.12	183.55	116.73	88.40	127.58
83	111.67	167.52	320.34	1111.75	619.39	377.83	136.67	98.87	73.91	108.95
84	91.51	147.61	256.60	765.83	391.85	303.30	100.32	78.84	59.97	89.47
85	72.84	119.29	198.58	504.63	247.75	233.06	72.26	60.00	46.34	63.95
86	55.68	88.61	148.68	302.74	150.01	154.34	49.24	41.37	33.47	43.61
87	39.48	57.50	94.18	196.46	82.16	86.99	30.21	27.00	24.78	30.36
88	27.03	38.54	51.32	100.73	50.75	52.52	17.42	13.50	12.87	16.69
89	16.09	18.84	25.38	27.85	24.52	23.95	9.67	8.93	10.08	12.38
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-ALP100-40-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	3093.10	3093.10	3093.10	3093.10	3093.10	3093.10	3093.10
1	3071.01	3082.88	3096.97	3108.14	3118.58	3126.42	3128.61
2	3048.70	3073.52	3100.73	3123.71	3146.00	3155.71	3157.79
3	3025.85	3064.06	3106.00	3138.85	3170.63	3184.24	3186.43
4	3000.57	3054.81	3109.98	3156.57	3193.85	3211.68	3213.57
5	2978.25	3045.90	3114.82	3172.79	3216.65	3238.25	3238.99
6	2955.40	3036.97	3119.01	3188.68	3238.26	3264.92	3261.84
7	2932.43	3026.85	3124.17	3203.72	3259.55	3288.99	3286.62
8	2908.37	3017.28	3129.87	3219.39	3280.31	3312.62	3308.51
9	2882.43	3008.14	3136.97	3236.36	3300.30	3335.05	3328.03
10	2857.93	2998.14	3144.39	3253.44	3321.38	3355.96	3347.02
11	2834.19	2989.11	3152.67	3269.98	3340.19	3375.66	3364.18
12	2810.67	2980.51	3160.84	3287.70	3357.29	3394.07	3378.56
13	2788.03	2971.92	3169.23	3302.42	3375.68	3411.06	3394.33
14	2762.21	2963.55	3176.33	3319.60	3392.89	3427.28	3406.67
15	2738.58	2955.38	3183.00	3334.11	3409.33	3441.54	3418.90
16	2712.97	2946.36	3189.44	3348.06	3424.82	3456.03	3428.66
17	2687.36	2937.11	3194.82	3363.53	3442.45	3470.07	3438.42
18	2662.20	2927.54	3198.91	3379.32	3460.19	3481.61	3447.22
19	2634.18	2915.90	3201.49	3398.54	3474.93	3493.15	3454.62
20	2608.68	2904.37	3205.25	3413.47	3491.81	3503.93	3462.24
21	2585.38	2892.40	3210.20	3431.62	3507.61	3513.09	3468.35
22	2559.56	2880.76	3216.11	3448.91	3524.71	3521.14	3474.25
23	2534.06	2869.99	3222.67	3465.35	3539.23	3530.18	3479.94
24	2505.82	2859.11	3228.26	3482.21	3552.88	3537.47	3484.87
25	2479.34	2847.69	3233.54	3499.06	3563.42	3544.99	3490.23
26	2452.85	2836.16	3242.35	3513.67	3573.42	3552.07	3495.60
27	2426.70	2824.52	3250.64	3531.07	3582.03	3557.84	3499.14
28	2400.44	2813.43	3259.88	3546.54	3591.06	3563.72	3502.57
29	2373.84	2802.22	3271.39	3559.31	3598.80	3569.16	3504.72
30	2347.79	2790.36	3277.30	3577.14	3609.87	3573.85	3506.86
31	2318.45	2776.44	3283.00	3592.07	3621.27	3579.07	3509.97
32	2292.74	2765.23	3285.47	3608.40	3634.93	3584.84	3512.12
33	2266.58	2754.69	3290.42	3629.02	3649.97	3590.51	3515.34
34	2239.00	2745.11	3297.62	3649.00	3666.43	3595.07	3518.45
35	2212.51	2730.53	3306.12	3664.03	3683.20	3599.33	3522.20

IES ROAD REPORT
PHOTOMETRIC FILENAME : LB-ALP100-40-T3.IES

CANDELA TABULATION - (Cont.)

36	2182.62	2715.52	3317.63	3681.96	3697.94	3604.66	3523.49
37	2153.16	2702.14	3325.69	3700.55	3713.20	3609.12	3524.35
38	2120.31	2687.02	3334.51	3723.42	3727.29	3615.33	3523.81
39	2087.67	2674.73	3343.43	3745.34	3741.49	3620.66	3520.49
40	2054.04	2660.26	3354.51	3763.81	3755.46	3625.79	3515.02
41	2020.41	2648.08	3367.10	3782.28	3768.47	3629.82	3507.93
42	1983.71	2636.55	3373.11	3805.91	3783.64	3630.79	3497.74
43	1946.23	2621.42	3382.25	3826.96	3797.61	3628.18	3483.58
44	1903.93	2608.37	3388.06	3846.93	3813.41	3621.97	3465.45
45	1864.48	2594.24	3393.55	3874.42	3832.88	3612.94	3440.57
46	1823.59	2579.54	3406.23	3897.62	3850.09	3600.96	3411.49
47	1782.82	2562.68	3416.99	3918.35	3861.92	3585.49	3374.48
48	1741.39	2546.04	3429.03	3946.60	3877.39	3566.12	3331.57
49	1697.44	2530.37	3444.84	3973.67	3891.70	3537.81	3284.69
50	1655.01	2513.73	3458.82	4004.38	3902.13	3499.80	3216.04
51	1611.39	2498.39	3479.46	4037.78	3913.53	3449.82	3134.72
52	1566.66	2480.00	3492.16	4072.15	3921.70	3386.23	3044.50
53	1520.17	2459.34	3509.90	4105.77	3926.97	3310.34	2924.67
54	1471.05	2437.36	3535.70	4143.24	3928.36	3216.47	2783.39
55	1426.77	2415.71	3563.01	4182.45	3924.60	3113.57	2620.44
56	1389.62	2396.90	3581.62	4227.99	3915.46	2974.63	2449.23
57	1345.00	2374.71	3598.83	4268.91	3897.18	2835.46	2251.41
58	1299.73	2348.49	3618.94	4311.00	3865.79	2655.04	2053.48
59	1259.94	2319.34	3642.59	4360.19	3827.19	2458.39	1808.25
60	1222.91	2288.67	3671.51	4420.45	3780.41	2241.59	1605.07
61	1186.76	2255.38	3701.74	4472.75	3709.01	2031.00	1391.37
62	1149.39	2221.21	3720.77	4519.68	3624.06	1787.96	1215.65
63	1112.91	2186.41	3743.89	4570.59	3514.17	1561.58	1058.07
64	1076.97	2147.03	3779.91	4625.57	3385.36	1370.37	924.83
65	1037.74	2102.32	3810.67	4675.30	3241.37	1176.98	818.30
66	999.71	2060.11	3831.85	4712.67	3064.71	1025.63	729.37
67	952.24	2006.70	3850.24	4744.25	2863.11	910.42	661.25
68	905.86	1951.65	3866.05	4771.75	2645.68	803.60	594.42
69	854.21	1890.30	3871.21	4781.20	2420.63	709.31	538.96
70	799.59	1824.93	3865.83	4771.21	2158.81	637.54	490.25
71	731.35	1733.55	3827.45	4729.97	1899.56	571.34	450.35
72	669.26	1640.65	3740.45	4655.86	1659.24	516.13	409.58
73	604.53	1531.00	3565.38	4544.49	1449.67	465.83	374.50
74	544.20	1395.24	3297.52	4403.05	1235.58	422.81	342.96
75	485.73	1259.26	2871.36	4159.25	1056.24	382.96	313.14
76	429.36	1115.45	2394.99	3828.14	897.53	344.41	283.10
77	383.64	966.96	1829.69	3404.24	765.80	313.82	251.56
78	343.42	825.98	1369.44	2916.64	655.58	284.09	223.46
79	309.68	688.37	936.19	2381.26	560.64	258.40	200.39
80	268.92	577.31	639.18	1874.77	482.47	229.86	173.14
81	212.43	481.58	414.97	1369.13	389.79	204.93	150.83
82	164.62	404.67	275.50	1018.26	313.55	180.21	129.38
83	125.94	342.99	186.90	744.38	249.78	157.24	111.67
84	95.94	282.07	120.44	532.59	196.24	133.50	91.51
85	69.34	202.33	78.18	348.73	149.25	103.67	72.84
86	48.68	119.77	43.23	214.37	96.23	75.89	55.68
87	30.66	68.09	22.26	101.50	55.38	47.91	39.48
88	21.54	38.61	11.94	32.87	26.56	28.42	27.03
89	16.04	20.34	10.76	15.47	13.01	15.46	16.09
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-ALP100-40-T3.IES

CANDELA TABULATION - (Cont.)

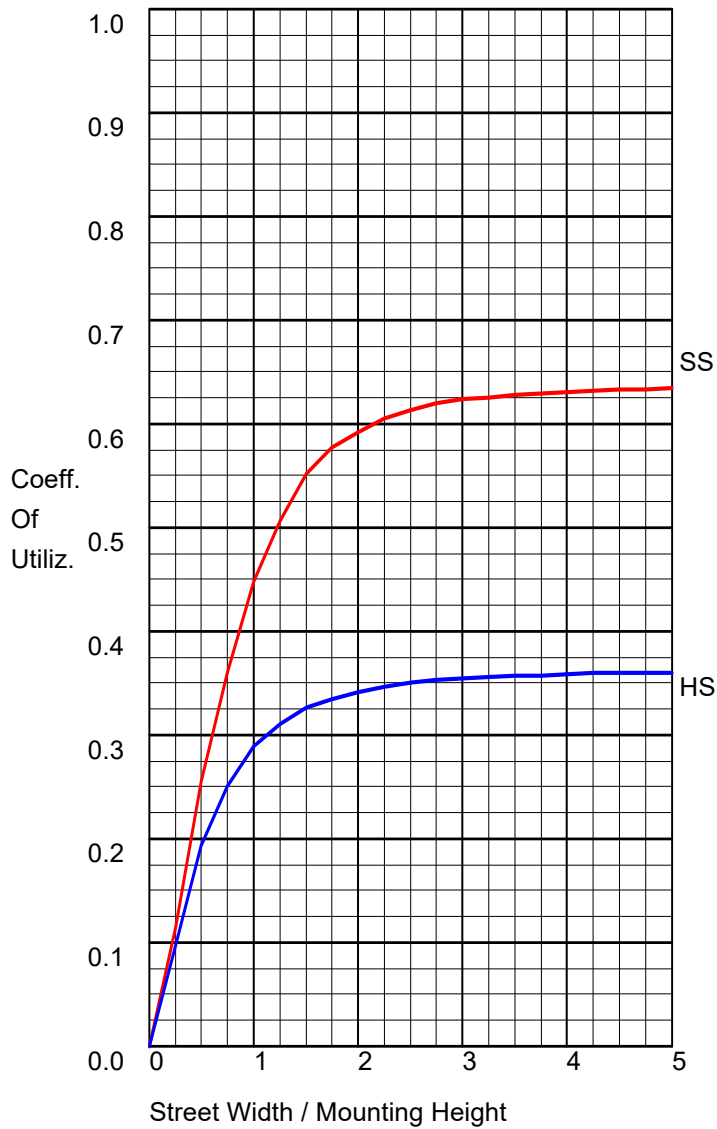
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
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105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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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
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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-ALP100-40-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
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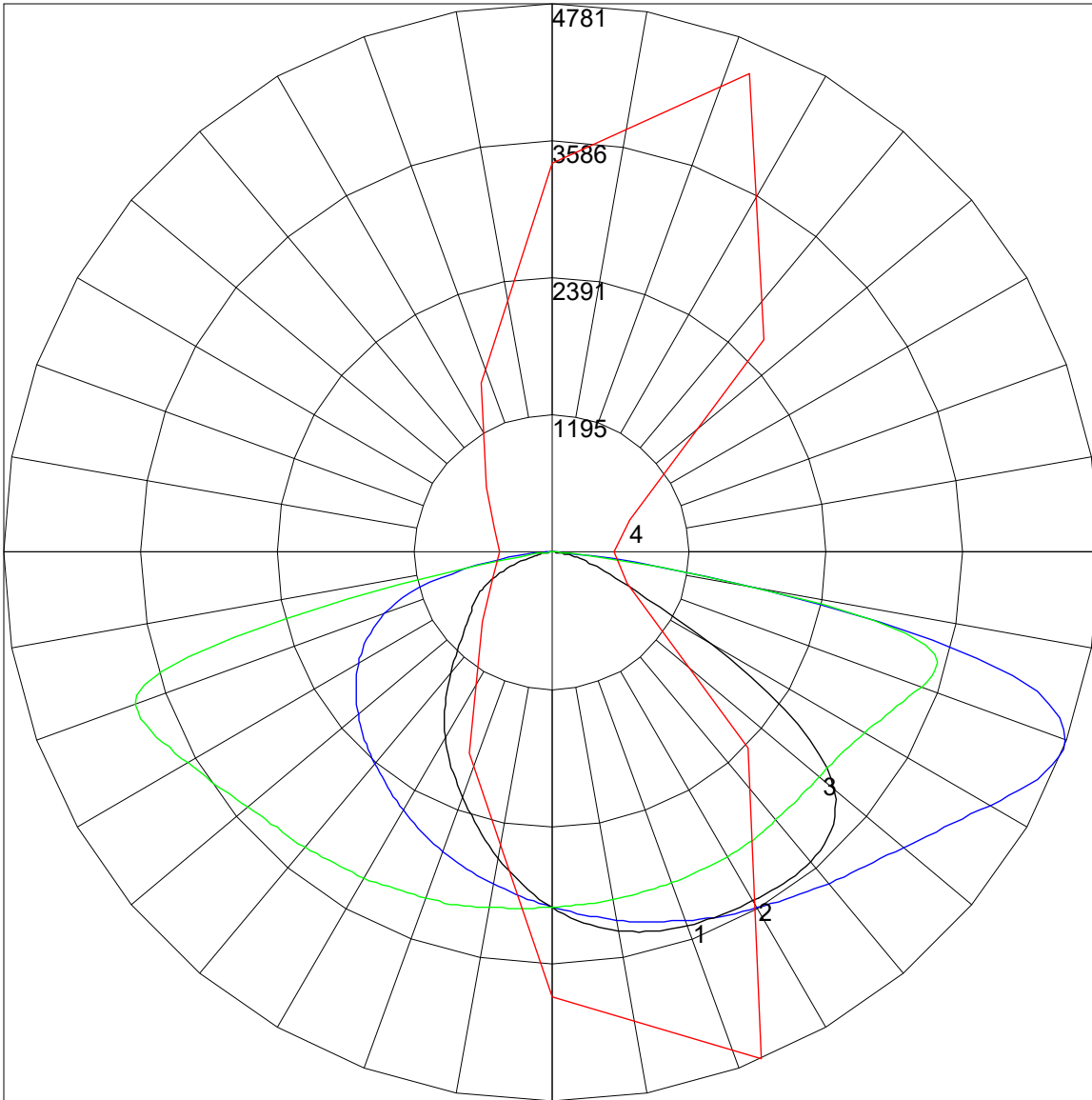
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

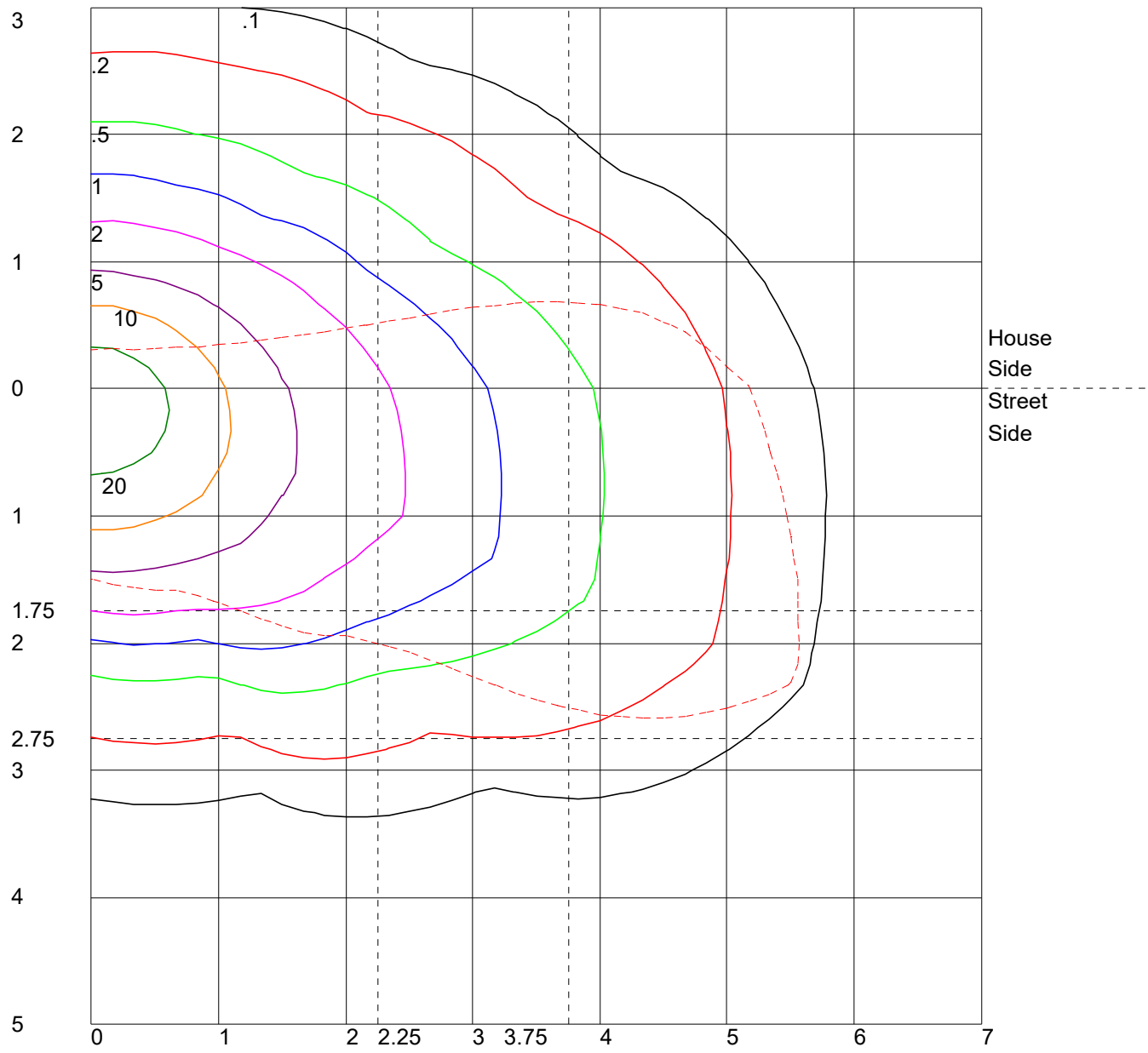
	Lumens	Percent Of Lamp
Downward Street Side	7984.2	63.8
Downward House Side	4536.6	36.2
Downward Total	12520.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	12520.8	100.0

POLAR GRAPH



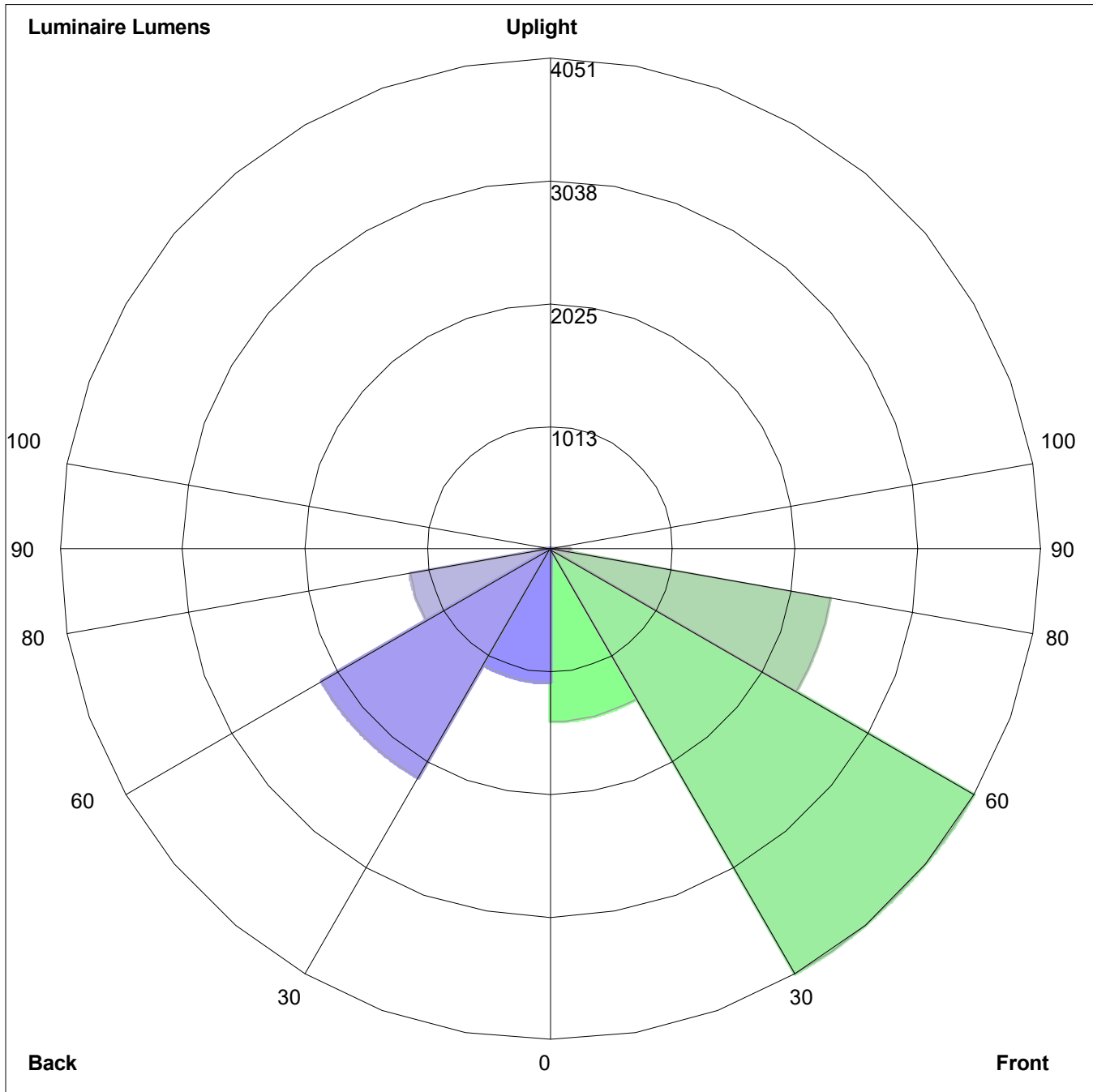
Maximum Candela = 4781.2 Located At Horizontal Angle = 292.5, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Vertical Plane Through Horizontal Angles (90 - 270)
4 - Horizontal Cone Through Vertical Angle (69) (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=1425.5, Medium=4050.9, High=2347.1, Very High=160.7
 Back: Low= 1101.0, Medium=2180.6, High=1174.7, Very High=80.3
 Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3