

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P940412

Luminaire Tested: **GALN-SB3C-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18400 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

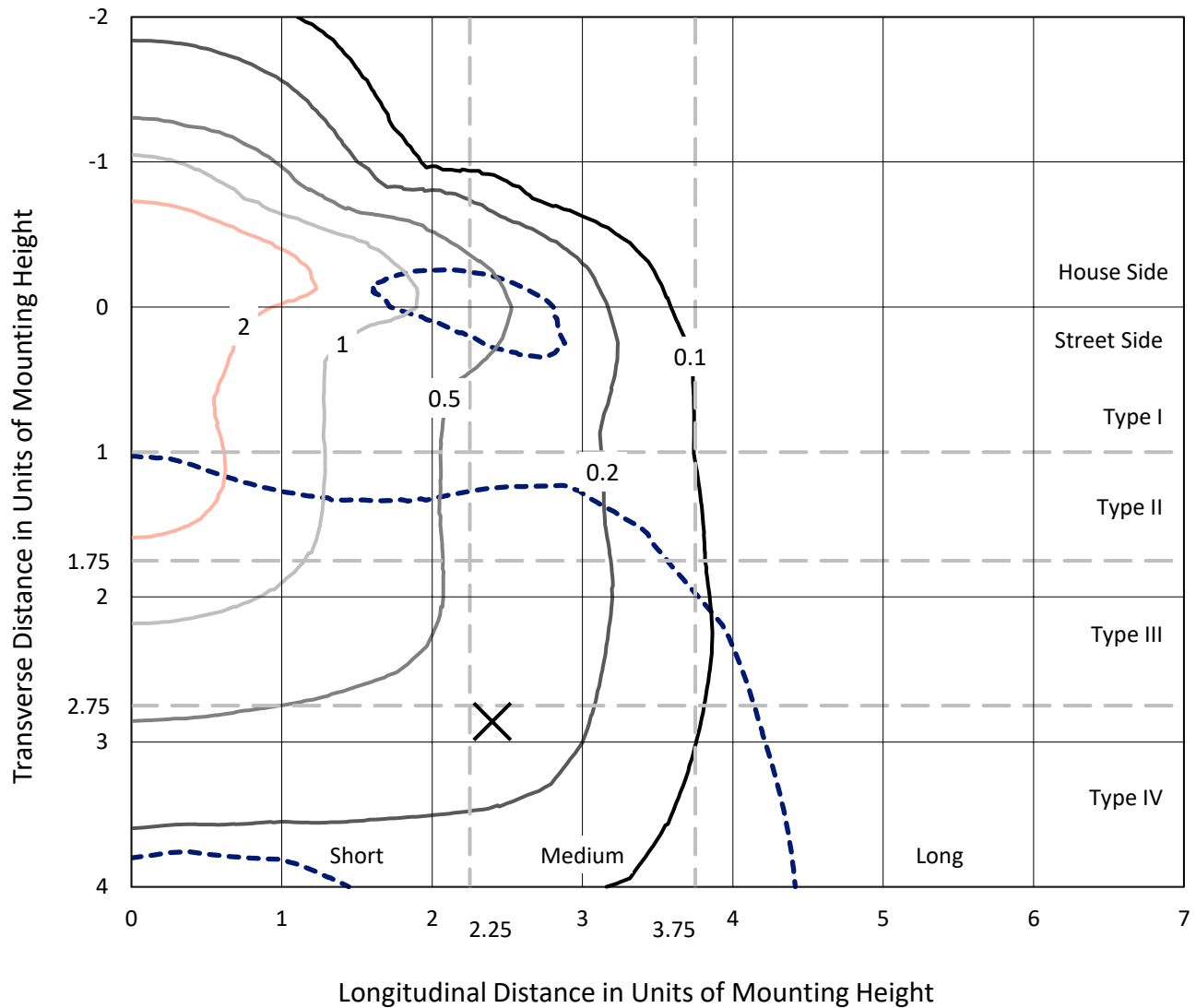


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

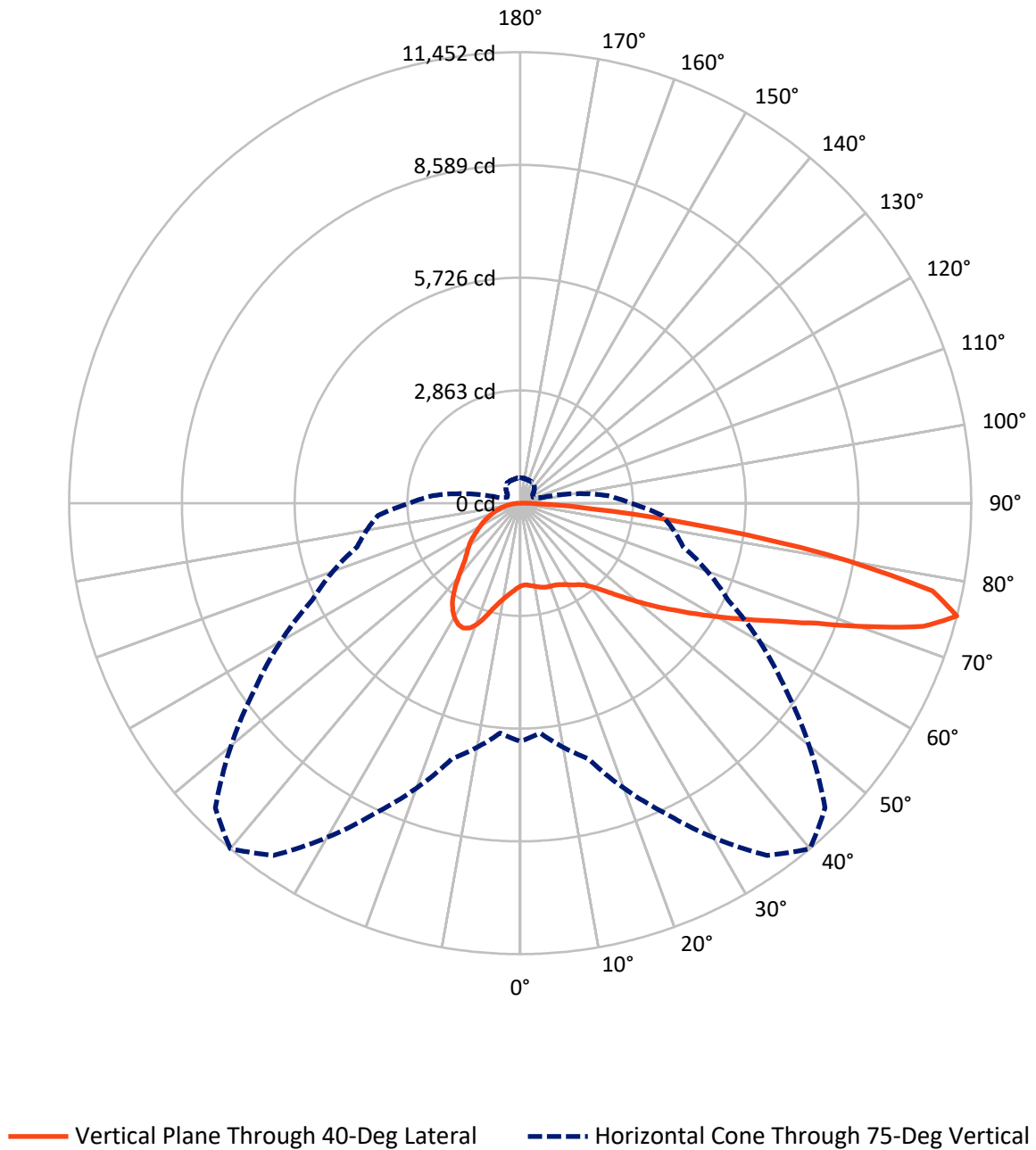


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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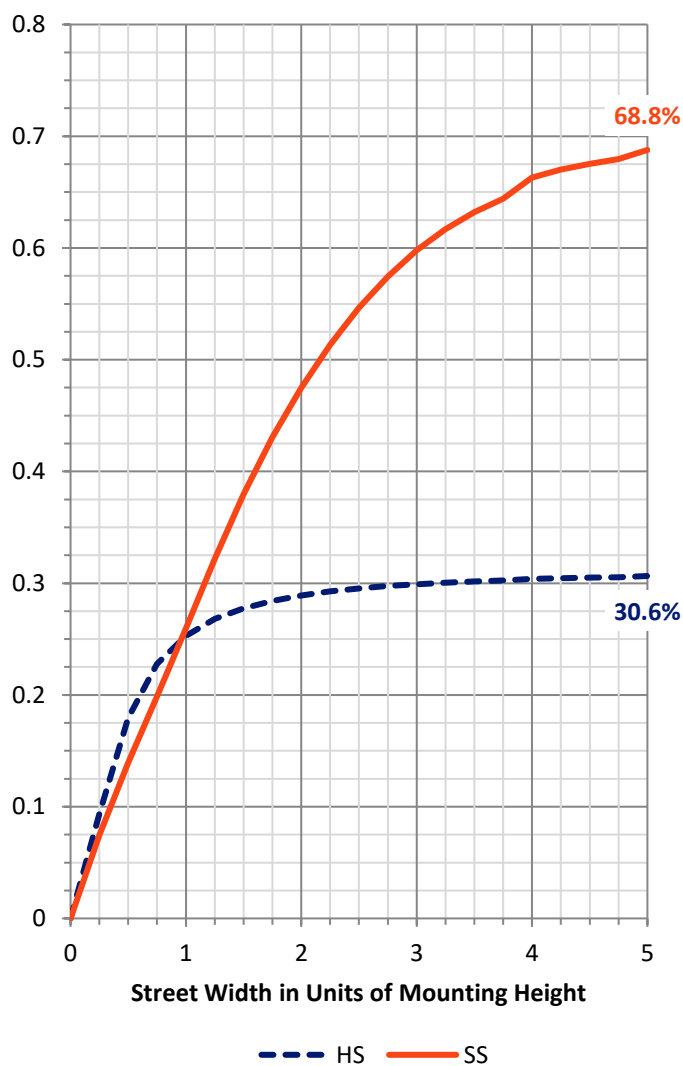
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5700.9	0.0	5700.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	12699.1	0.0	12699.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	18400.0	0.0	18400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.0	1.1
10°-20°	705.2	3.8
20°-30°	1287.5	7.0
30°-40°	1826.1	9.9
40°-50°	2465.8	13.4
50°-60°	3317.1	18.0
60°-70°	4210.2	22.9
70°-80°	3821.0	20.8
80°-90°	557.0	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	18400.0	100.0
0°-180°	18400.0	100.0

Coefficient of Utilization



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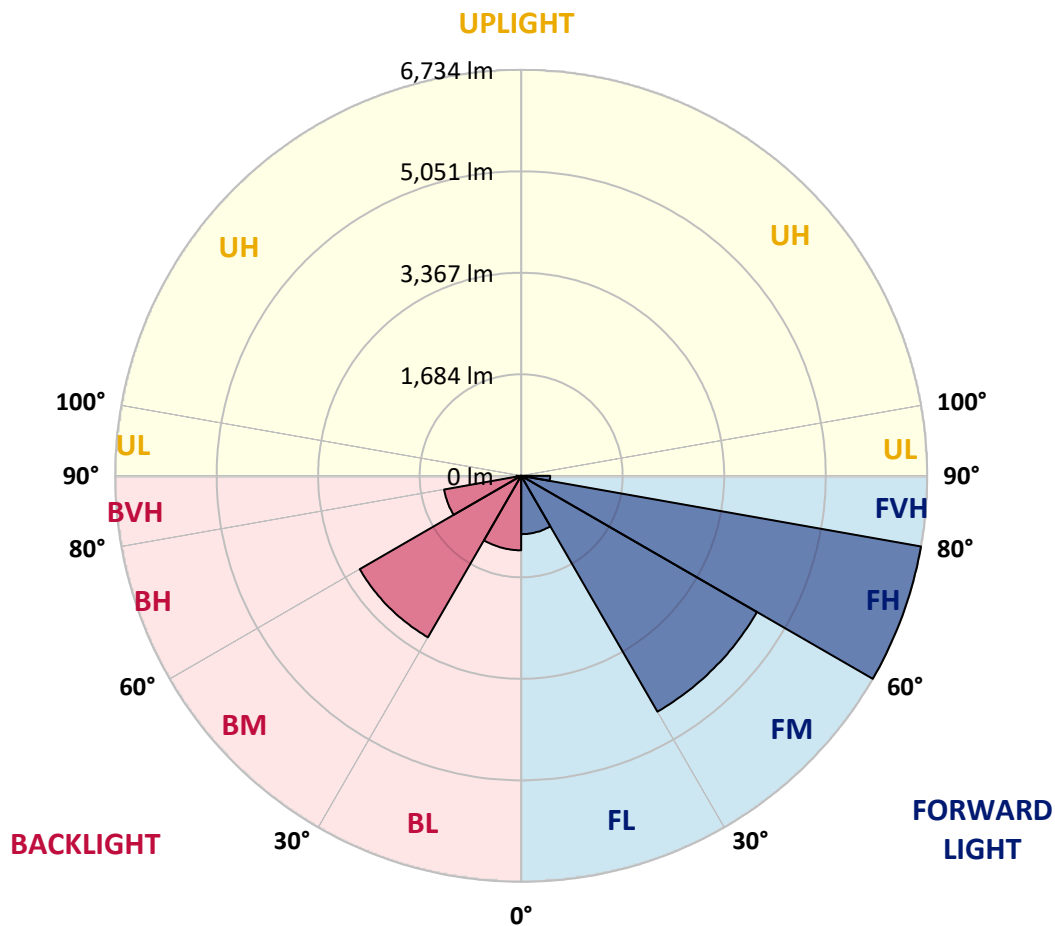
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	967.9	5.3			
FM	(30°-60°)	4516.8	24.5			
FH	(60°-80°)	6734.1	36.6			G3/7500
FVH	(80°-90°)	480.3	2.6			G3/500
BL	(0°-30°)	1234.9	6.7	B3/2500		
BM	(30°-60°)	3092.2	16.8	B3/5000		
BH	(60°-80°)	1297.1	7.0	B3/2500		G3/2500
BVH	(80°-90°)	76.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1
2.5°	2071.9	2083.6	2080.6	2076.7	2076.7	2077.7	2076.7	2083.6	2090.4	2097.2	2108.0
5°	2093.3	2105.0	2099.2	2094.3	2090.4	2089.4	2086.5	2085.5	2089.4	2098.2	2112.8
7.5°	2135.3	2147.0	2138.2	2129.4	2121.6	2117.7	2113.8	2108.0	2105.0	2109.9	2130.4
10°	2182.1	2193.8	2183.1	2167.5	2154.8	2149.9	2146.0	2140.2	2136.3	2139.2	2161.6
12.5°	2229.0	2240.7	2226.1	2204.6	2188.0	2185.1	2180.2	2178.2	2177.3	2176.3	2198.7
15°	2272.9	2282.7	2264.1	2238.7	2221.2	2216.3	2211.4	2214.3	2219.2	2225.1	2250.5
17.5°	2307.1	2316.8	2289.5	2256.3	2239.7	2237.8	2234.8	2244.6	2258.3	2272.9	2304.1
20°	2338.3	2348.0	2312.9	2268.0	2248.5	2248.5	2249.5	2270.0	2289.5	2311.0	2353.9
22.5°	2382.2	2390.0	2347.1	2285.6	2257.3	2259.2	2267.0	2287.5	2311.9	2341.2	2400.7
25°	2447.6	2453.4	2400.7	2318.8	2286.6	2292.4	2299.2	2309.0	2332.4	2366.6	2446.6
27.5°	2553.0	2557.9	2488.6	2377.3	2328.5	2338.3	2348.0	2341.2	2351.9	2381.2	2483.7
30°	2701.3	2704.2	2616.4	2469.1	2399.8	2404.6	2406.6	2378.3	2357.8	2381.2	2510.0
32.5°	2877.0	2876.0	2771.6	2580.3	2480.8	2475.9	2459.3	2403.7	2355.8	2376.3	2533.5
35°	3149.3	3138.5	3003.9	2736.5	2572.5	2542.2	2503.2	2432.0	2365.6	2371.5	2554.0
37.5°	3600.1	3567.0	3380.6	2992.1	2709.1	2632.0	2574.5	2477.8	2387.1	2369.5	2578.4
40°	4108.6	4066.6	3861.7	3342.5	2914.1	2790.1	2697.4	2543.2	2422.2	2378.3	2614.5
42.5°	4711.7	4652.2	4431.6	3755.3	3173.7	2994.1	2854.5	2626.2	2473.9	2406.6	2663.3
45°	5452.4	5373.4	5061.1	4220.8	3500.6	3261.5	3075.1	2752.1	2553.0	2461.2	2736.5
47.5°	6200.9	6220.5	5776.4	4753.7	3892.9	3591.4	3351.3	2941.4	2668.1	2549.1	2854.5
50°	6996.3	7010.0	6487.9	5344.1	4337.9	3964.2	3661.6	3153.2	2828.2	2674.0	3031.2
52.5°	7617.0	7618.9	7133.9	5961.8	4801.5	4374.0	3996.4	3395.2	3013.6	2839.9	3266.4
55°	8005.4	8000.5	7586.7	6546.4	5334.3	4804.4	4367.2	3670.4	3240.0	3035.1	3562.1
57.5°	8287.4	8272.8	7899.0	7049.0	5902.3	5312.9	4786.8	3982.7	3507.4	3267.4	3951.5
60°	8394.8	8386.0	8110.8	7483.3	6499.6	5875.0	5270.9	4332.1	3810.9	3541.6	4452.1
62.5°	8435.8	8452.4	8318.7	7903.9	7138.8	6497.6	5802.8	4749.8	4152.5	3851.9	4980.1
65°	8580.2	8610.5	8583.1	8454.3	7861.0	7226.6	6508.4	5246.5	4525.3	4184.7	5531.5
67.5°	8866.2	8896.4	8908.1	9113.1	8743.2	8135.2	7388.6	5865.2	4961.5	4530.2	5946.2
70°	8859.3	8850.5	9057.4	9637.1	9847.9	9393.1	8575.3	6626.4	5481.7	4817.1	5998.9
72.5°	8064.0	7993.7	8482.6	9631.3	10767.2	10706.7	10024.6	7608.2	5930.6	4852.2	5205.5
75°	6049.7	5862.3	6726.0	8679.8	10920.4	11452.3	10945.8	8217.2	5824.2	4287.2	3622.6
77.5°	2587.1	2398.8	3416.7	6425.4	9773.8	10705.7	10100.7	7169.0	4649.2	2835.0	1779.1
80°	677.3	676.3	1032.5	2913.1	6646.9	7905.9	6935.8	4629.7	2656.4	1013.0	490.9
82.5°	280.1	273.3	379.6	1133.0	3247.8	4436.5	3620.6	2065.0	959.3	274.2	163.0
85°	104.4	103.4	184.4	391.3	1145.7	1829.8	1324.3	528.0	239.1	133.7	73.2
87.5°	29.3	28.3	40.0	135.7	279.1	423.5	226.4	86.9	67.3	52.7	21.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1	2104.1
2.5°	2110.9	2115.8	2124.6	2131.4	2140.2	2149.9	2163.6	2172.4	2181.2	2187.0	2183.1
5°	2119.7	2130.4	2152.9	2175.3	2201.7	2226.1	2254.4	2274.8	2291.4	2296.3	2298.3
7.5°	2139.2	2156.8	2194.8	2232.9	2274.8	2314.9	2355.8	2391.0	2419.3	2430.0	2431.0
10°	2173.4	2196.8	2250.5	2304.1	2359.8	2421.2	2473.9	2524.7	2564.7	2581.3	2582.3
12.5°	2216.3	2245.6	2315.8	2390.0	2467.1	2552.0	2620.3	2682.8	2732.6	2755.0	2755.0
15°	2271.9	2310.0	2399.8	2499.3	2612.5	2730.6	2817.5	2886.7	2942.4	2969.7	2967.7
17.5°	2332.4	2383.2	2496.4	2646.7	2808.7	2963.8	3065.3	3116.1	3173.7	3200.0	3199.0
20°	2391.0	2453.4	2615.4	2834.0	3049.7	3214.7	3296.6	3310.3	3314.2	3317.1	3324.9
22.5°	2451.5	2535.4	2764.8	3070.2	3301.5	3415.7	3427.4	3368.8	3286.9	3248.8	3259.5
25°	2517.9	2629.1	2959.9	3330.8	3518.2	3531.8	3442.0	3299.6	3144.4	3073.1	3083.9
27.5°	2582.3	2737.4	3194.2	3579.6	3674.3	3554.3	3361.0	3159.0	2971.6	2896.5	2905.3
30°	2646.7	2861.4	3452.8	3797.3	3745.5	3498.6	3233.2	3007.8	2819.4	2740.4	2749.1
32.5°	2712.1	3005.8	3750.4	3954.4	3732.9	3380.6	3074.1	2837.9	2672.0	2589.1	2599.8
35°	2786.2	3183.4	4032.5	4040.3	3648.0	3206.8	2864.3	2635.0	2490.5	2424.2	2438.8
37.5°	2882.8	3408.9	4281.3	4061.7	3499.6	2952.1	2603.7	2394.9	2275.8	2245.6	2267.0
40°	3002.9	3680.2	4471.6	4027.6	3280.0	2642.8	2318.8	2151.9	2084.5	2091.4	2114.8
42.5°	3159.0	3983.7	4605.3	3939.8	2974.6	2323.6	2068.9	1994.8	2027.0	2054.3	2079.7
45°	3362.0	4298.9	4688.3	3790.4	2629.1	2053.3	1921.6	1939.1	1963.5	1966.5	1986.0
47.5°	3621.6	4618.0	4742.9	3565.0	2276.8	1863.0	1827.9	1831.8	1826.9	1806.4	1822.0
50°	3945.6	4928.4	4791.7	3266.4	1977.2	1744.0	1697.1	1683.4	1616.1	1549.7	1558.5
52.5°	4314.5	5213.3	4812.2	2895.5	1744.0	1644.4	1568.3	1482.4	1356.5	1336.0	1342.9
55°	4724.4	5476.8	4759.5	2439.8	1547.8	1516.6	1401.4	1298.0	1284.3	1266.7	1269.7
57.5°	5214.3	5760.8	4652.2	1931.3	1346.8	1367.3	1255.0	1266.7	1242.3	1215.0	1210.1
60°	5750.1	6054.6	4463.8	1467.8	1138.9	1180.9	1217.0	1216.0	1209.2	1186.7	1178.9
62.5°	6232.2	6247.8	4093.0	1124.2	956.4	1036.4	1135.0	1134.0	1128.2	1115.5	1110.6
65°	6519.1	6218.5	3474.2	885.2	806.1	917.4	1023.7	1031.5	1032.5	1031.5	1031.5
67.5°	6468.3	5876.0	2625.2	704.6	682.2	796.3	913.5	924.2	932.0	933.9	935.9
70°	5894.5	5123.5	1711.7	562.1	571.9	690.0	809.0	819.8	826.6	834.4	838.3
72.5°	4594.6	3767.0	979.8	454.8	475.3	598.2	705.6	718.3	722.2	736.8	742.7
75°	2799.9	2215.3	528.9	358.2	390.4	511.4	603.1	617.8	624.6	642.1	644.1
77.5°	1331.1	959.3	301.6	279.1	314.2	417.7	509.4	526.0	507.5	517.2	509.4
80°	449.9	356.2	190.3	212.7	240.1	326.0	407.9	424.5	385.5	383.5	379.6
82.5°	157.1	144.4	121.0	141.5	155.2	233.2	308.4	329.9	286.9	285.9	272.3
85°	61.5	58.6	67.3	77.1	92.7	143.5	203.0	213.7	176.6	142.5	140.5
87.5°	12.7	13.7	16.6	17.6	28.3	49.8	73.2	89.8	71.2	60.5	55.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)