

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: P948051

Luminaire Tested: **GALN-SB3B-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13641 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

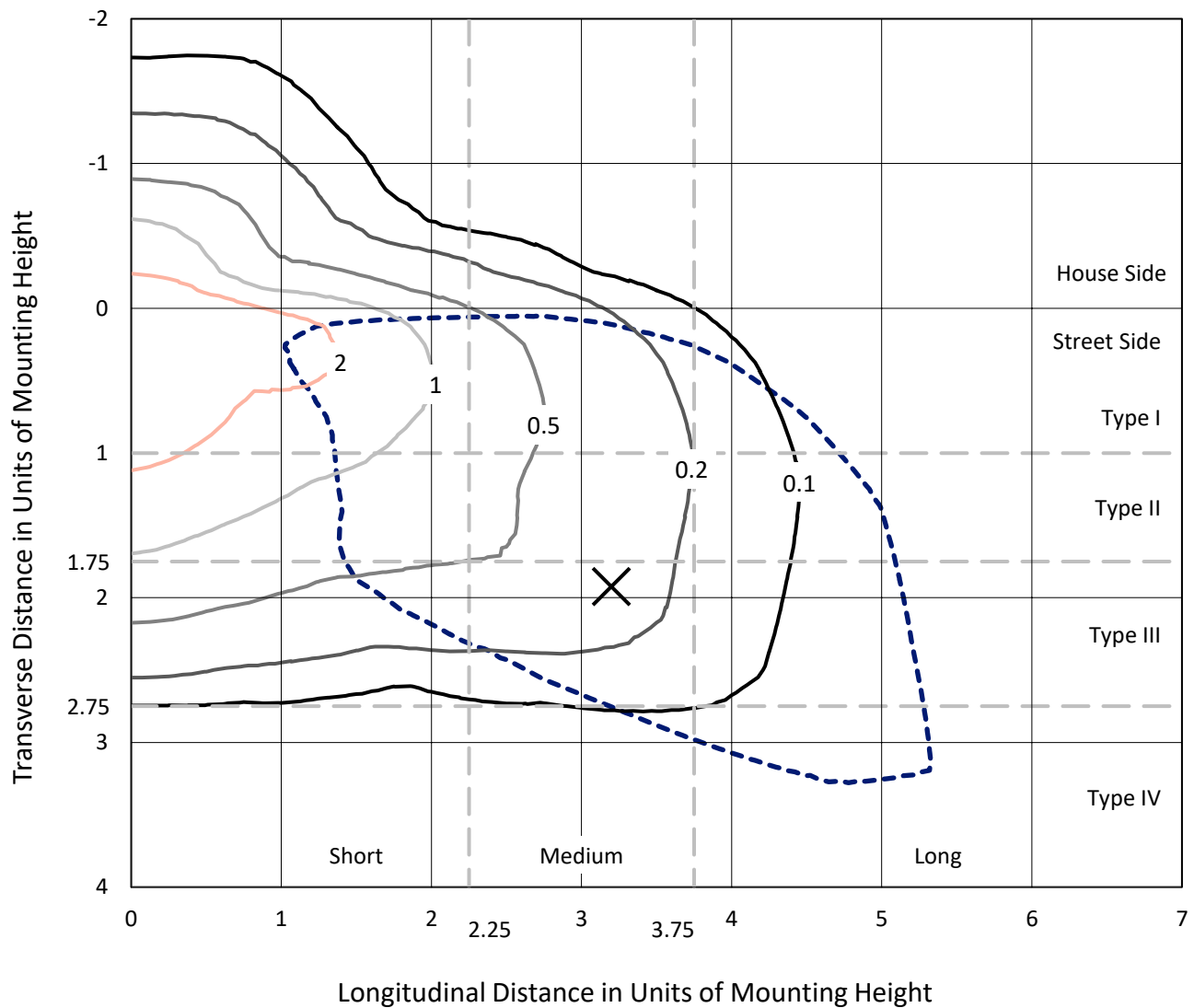
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

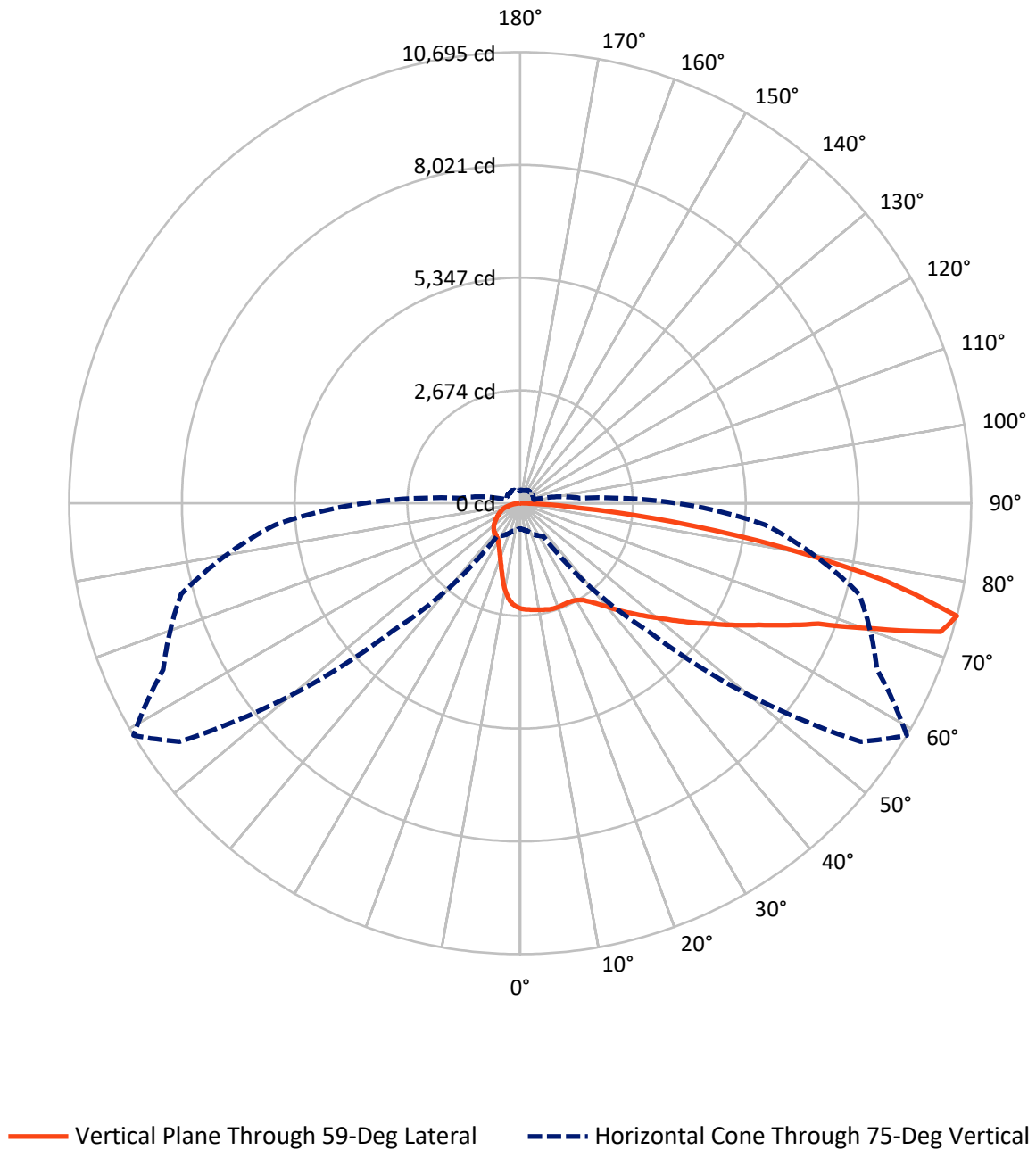
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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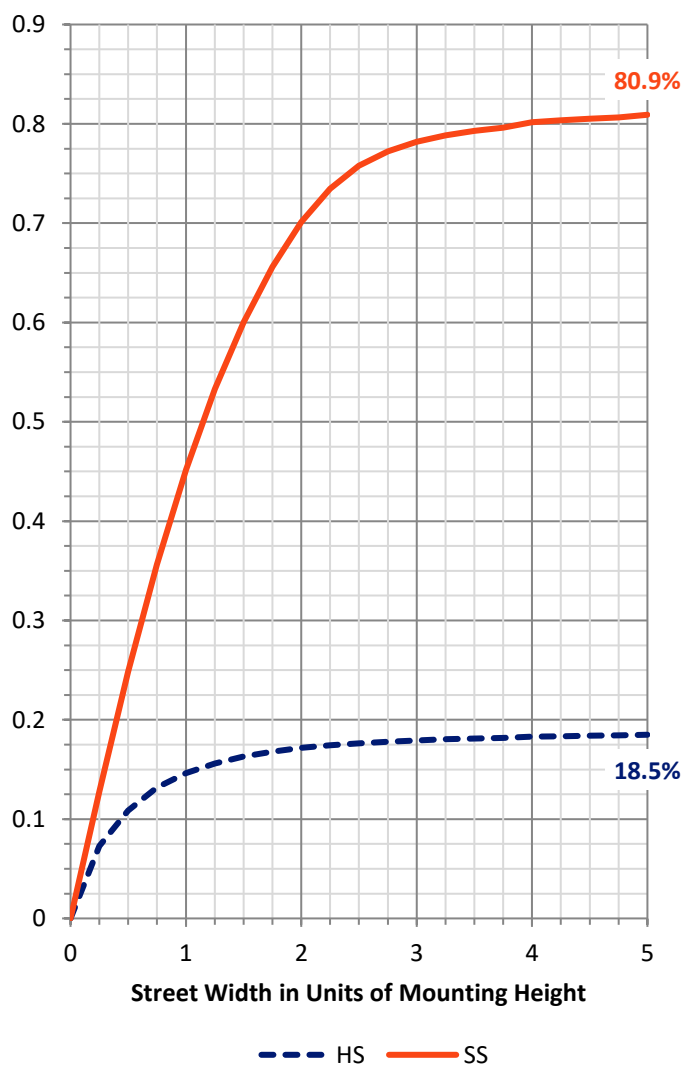
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2558.5	0.0	2558.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	11082.5	0.0	11082.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	13641.0	0.0	13641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	1.6
10°-20°	573.8	4.2
20°-30°	871.6	6.4
30°-40°	1295.6	9.5
40°-50°	1926.9	14.1
50°-60°	2615.5	19.2
60°-70°	3193.1	23.4
70°-80°	2505.9	18.4
80°-90°	434.1	3.2
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°	13641.0	100.0
0°-180°	13641.0	100.0

Coefficient of Utilization



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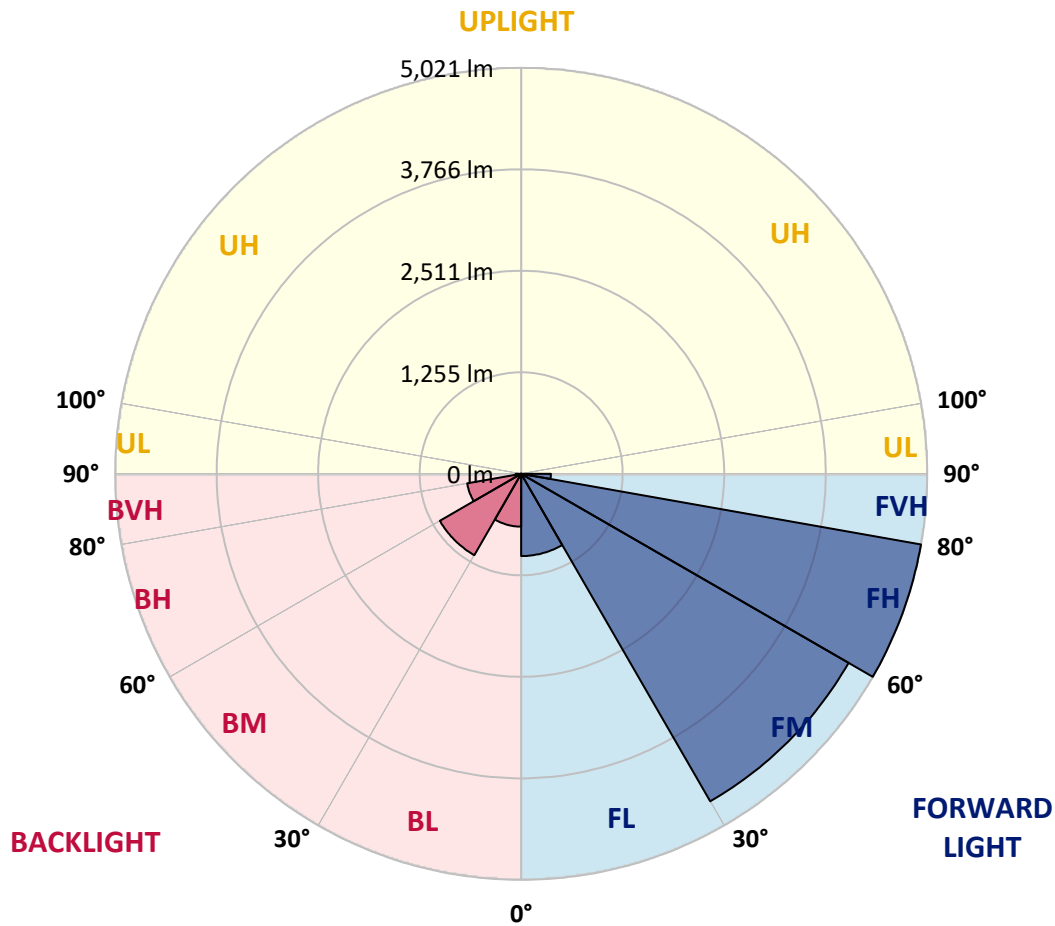
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1017.1	7.5			
FM	(30°-60°)	4676.7	34.3			
FH	(60°-80°)	5021.1	36.8			G3/7500
FVH	(80°-90°)	367.6	2.7			G3/500
BL	(0°-30°)	652.9	4.8	B2/1000		
BM	(30°-60°)	1161.3	8.5	B2/2500		
BH	(60°-80°)	677.8	5.0	B2/1000		G2/1000
BVH	(80°-90°)	66.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8
2.5°	2525.1	2516.2	2525.1	2521.4	2519.9	2517.0	2517.7	2522.9	2519.9	2523.6	2511.1
5°	2508.2	2503.0	2511.8	2509.6	2519.2	2520.7	2530.2	2536.1	2539.7	2540.5	2530.9
7.5°	2480.3	2475.2	2487.6	2497.9	2518.5	2524.3	2544.1	2553.7	2558.8	2567.6	2553.7
10°	2378.3	2376.1	2406.9	2445.8	2494.2	2524.3	2554.4	2570.6	2578.6	2602.1	2586.0
12.5°	2197.8	2200.7	2241.1	2315.9	2412.8	2509.6	2566.1	2589.6	2602.1	2631.5	2624.1
15°	2025.3	2024.6	2068.6	2148.6	2284.4	2445.1	2572.0	2612.4	2633.7	2677.0	2671.1
17.5°	1925.5	1922.6	1953.4	2014.3	2140.5	2346.0	2557.3	2624.9	2670.4	2724.7	2719.5
20°	1907.2	1901.3	1917.5	1947.5	2037.1	2237.4	2519.2	2624.9	2699.7	2770.1	2767.2
22.5°	1974.0	1964.4	1957.8	1954.1	1993.8	2147.9	2475.9	2616.0	2743.0	2835.5	2830.3
25°	2108.2	2093.6	2059.8	2026.8	2015.1	2107.5	2437.7	2613.8	2807.6	2923.5	2904.4
27.5°	2325.5	2307.1	2238.9	2159.6	2088.4	2128.1	2420.9	2627.1	2878.8	3016.7	2978.6
30°	2594.8	2575.0	2489.1	2367.3	2239.6	2204.4	2442.1	2665.9	2969.7	3140.7	3065.9
32.5°	2836.2	2814.2	2740.8	2616.8	2444.3	2336.5	2509.6	2740.1	3112.8	3313.2	3197.2
35°	3050.5	3024.8	2958.7	2844.3	2695.3	2522.1	2631.5	2871.4	3316.1	3593.5	3375.5
37.5°	3260.3	3230.3	3158.3	3037.3	2933.1	2769.4	2799.5	3040.2	3586.2	3934.0	3611.8
40°	3495.2	3451.9	3364.5	3244.9	3143.7	3059.3	3020.4	3247.1	3860.6	4314.1	3906.8
42.5°	3722.6	3681.5	3577.3	3475.3	3348.4	3324.2	3276.5	3489.3	4160.7	4731.6	4206.2
45°	3967.7	3918.6	3792.4	3663.2	3583.2	3500.3	3524.5	3731.4	4455.0	5157.2	4520.3
47.5°	4197.4	4142.4	3993.4	3849.6	3805.6	3648.5	3752.0	3997.8	4761.0	5588.7	4831.4
50°	4321.4	4267.1	4143.1	4013.2	3978.7	3831.2	3998.6	4290.6	5081.7	6018.7	5130.1
52.5°	4424.9	4366.2	4204.0	4132.1	4121.8	4030.1	4302.4	4625.2	5402.3	6398.9	5418.5
55°	4535.0	4469.7	4262.7	4198.2	4245.1	4253.2	4662.7	5004.6	5741.4	6769.4	5690.7
57.5°	4661.9	4579.0	4319.2	4253.9	4365.5	4514.4	5076.5	5397.9	6074.5	7112.9	5932.9
60°	4781.5	4697.9	4427.8	4342.7	4495.3	4817.5	5551.3	5874.2	6451.7	7418.9	6161.8
62.5°	4805.0	4736.0	4514.4	4513.7	4671.5	5171.2	6113.4	6354.8	6781.2	7721.2	6367.3
65°	4398.5	4355.2	4223.8	4507.1	4923.9	5680.5	6739.4	6969.8	7200.2	7985.4	6547.8
67.5°	3347.7	3353.5	3344.0	3890.7	4719.9	6412.1	7645.6	7628.0	7717.5	8281.8	6755.5
70°	1530.7	1565.2	1789.8	2685.8	3781.3	6496.5	9144.1	8915.8	8367.0	8665.6	6935.3
72.5°	827.0	853.4	945.2	1301.1	2273.4	5775.9	10263.9	10426.0	9230.7	8923.9	6737.9
75°	606.9	621.5	685.4	827.0	954.7	4292.8	9862.5	10694.6	9338.5	8321.5	5818.4
77.5°	454.2	460.8	512.9	655.3	488.7	2263.1	7880.4	8857.1	7994.2	6836.9	4298.0
80°	329.5	336.8	375.7	491.7	342.7	827.7	5411.1	6216.9	5475.0	4358.1	2142.0
82.5°	227.5	230.4	247.3	334.6	239.2	321.4	3070.3	3645.6	3056.3	1529.3	578.2
85°	137.2	140.9	148.2	195.2	135.8	152.6	1325.3	1370.8	913.6	365.4	179.8
87.5°	56.5	60.2	66.0	82.2	53.6	42.6	218.7	274.4	171.0	107.1	55.8
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°	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8
2.5°	2507.4	2502.3	2488.4	2469.3	2451.7	2429.7	2420.1	2412.0	2404.7	2390.8	2384.2
5°	2522.9	2508.9	2471.5	2423.1	2368.0	2307.8	2249.1	2208.8	2174.3	2148.6	2127.3
7.5°	2546.3	2519.9	2451.7	2352.6	2226.4	2097.2	1980.6	1897.6	1835.3	1812.5	1772.9
10°	2570.6	2539.0	2420.1	2245.5	2027.5	1828.7	1673.8	1588.7	1538.8	1522.7	1497.7
12.5°	2599.2	2552.9	2371.0	2096.5	1805.2	1587.2	1452.2	1402.3	1376.6	1367.8	1370.0
15°	2641.0	2564.7	2296.8	1910.1	1593.1	1411.1	1323.8	1289.3	1276.1	1275.4	1278.3
17.5°	2672.6	2566.9	2181.6	1710.5	1430.2	1304.7	1232.8	1219.6	1228.4	1241.6	1246.8
20°	2707.8	2547.1	2030.5	1528.5	1315.7	1211.5	1181.4	1190.2	1211.5	1230.6	1237.2
22.5°	2732.7	2511.1	1847.7	1386.9	1216.7	1158.0	1156.5	1174.8	1186.6	1196.1	1201.3
25°	2754.7	2450.2	1654.0	1268.0	1135.2	1125.7	1141.8	1135.9	1127.9	1135.9	1141.1
27.5°	2770.9	2354.1	1480.8	1163.8	1078.0	1103.7	1094.1	1080.9	1080.2	1084.6	1091.9
30°	2765.7	2225.7	1338.5	1064.8	1037.6	1062.6	1039.8	1037.6	1035.4	1037.6	1045.7
32.5°	2765.7	2079.6	1229.1	996.5	1011.9	1002.4	1000.2	995.1	986.2	985.5	995.1
35°	2781.2	1933.6	1135.2	959.8	990.6	967.9	969.4	956.9	938.5	929.7	938.5
37.5°	2812.7	1816.2	1042.0	942.2	953.2	952.5	946.6	925.3	893.1	865.2	874.7
40°	2889.0	1781.7	978.2	934.1	935.6	944.4	929.0	887.9	814.5	769.0	774.9
42.5°	3008.6	1839.7	964.2	914.3	923.9	932.7	902.6	807.2	755.1	727.9	727.9
45°	3160.5	1940.9	994.3	885.7	896.0	911.4	821.9	776.4	752.9	753.6	757.3
47.5°	3352.8	2047.3	1050.1	860.8	855.6	864.4	768.3	740.4	708.1	716.2	736.7
50°	3575.1	2155.2	1102.9	827.0	810.9	782.2	733.8	707.4	666.3	647.2	652.4
52.5°	3815.8	2259.4	1124.2	785.9	762.4	729.4	710.3	678.0	628.1	596.6	595.9
55°	4044.1	2354.1	1100.7	736.7	714.0	688.3	685.4	665.6	612.0	568.0	568.0
57.5°	4259.8	2433.3	1042.0	686.9	664.8	649.4	669.2	659.7	592.2	535.7	532.7
60°	4442.5	2487.6	956.9	636.2	620.8	612.7	642.8	639.9	564.3	501.2	499.0
62.5°	4587.8	2508.9	863.0	587.8	584.1	569.4	606.1	606.1	529.1	467.4	465.2
65°	4701.5	2488.4	767.6	540.1	547.4	525.4	561.4	557.0	491.7	437.4	434.4
67.5°	4802.1	2420.9	661.9	493.1	510.0	482.1	514.4	504.1	450.6	407.3	404.3
70°	4846.8	2263.8	541.6	446.2	466.7	439.6	467.4	448.4	404.3	375.0	369.1
72.5°	4487.3	1881.5	426.3	397.0	414.6	392.6	416.8	394.8	354.4	341.2	330.2
75°	3712.4	1411.9	328.0	343.4	356.6	339.8	355.9	339.8	303.1	312.6	285.5
77.5°	2696.0	953.2	251.0	286.9	292.8	284.0	297.9	279.6	246.6	244.4	233.4
80°	1340.7	558.4	196.7	226.7	224.5	218.7	234.8	226.0	198.1	209.9	207.7
82.5°	388.2	239.2	143.1	159.2	154.8	156.3	168.0	172.4	258.3	256.1	262.0
85°	121.8	93.9	85.9	88.8	84.4	86.6	99.1	196.7	182.0	106.4	115.2
87.5°	31.6	32.3	21.3	22.7	23.5	27.9	31.6	119.6	57.2	37.4	39.6
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)