

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: P954840

Luminaire Tested: **GALN-SB8A-722-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954840  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8A-722-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

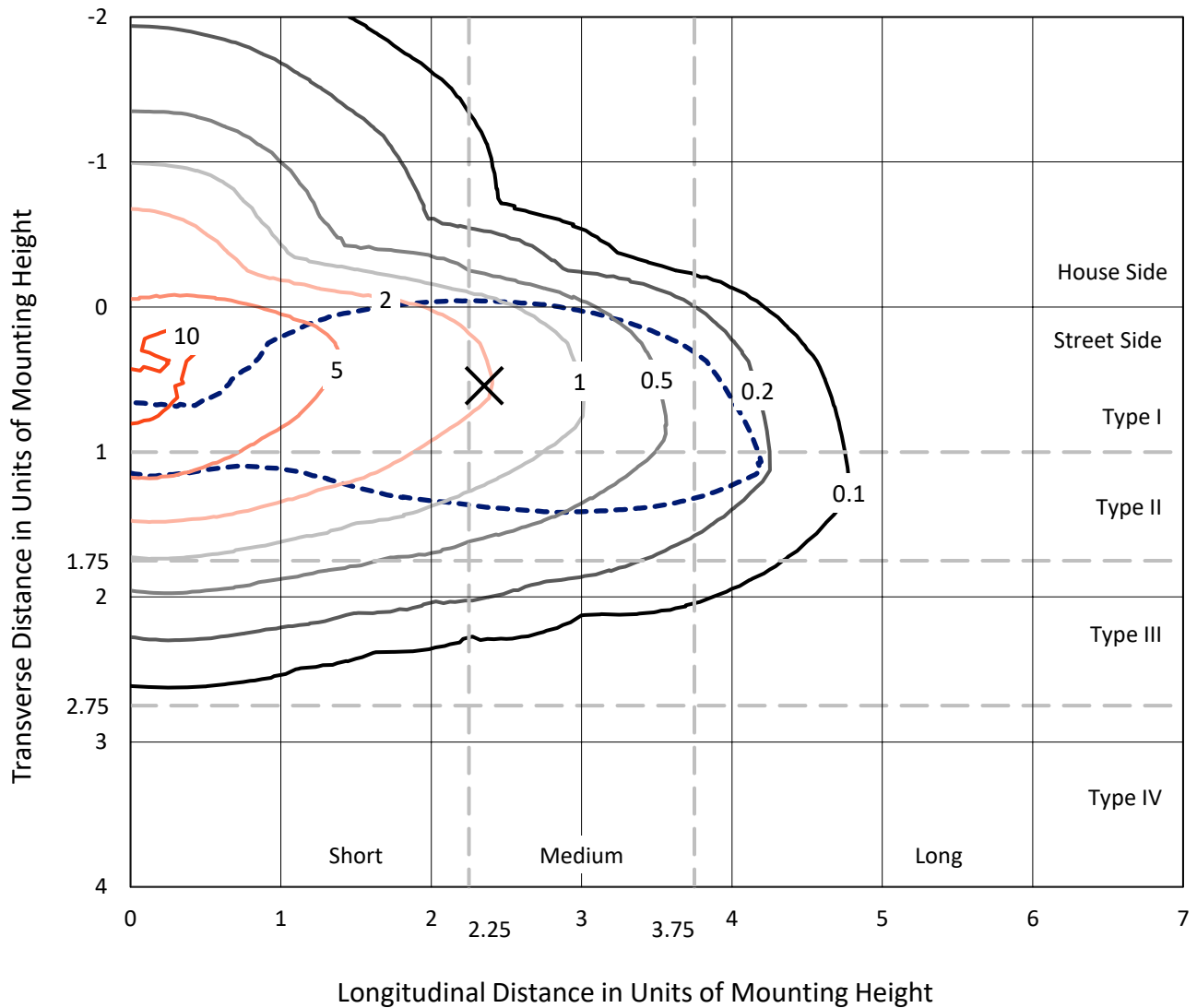
Lumens per Lamp: N/A  
Luminaire Lumens: 30520 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

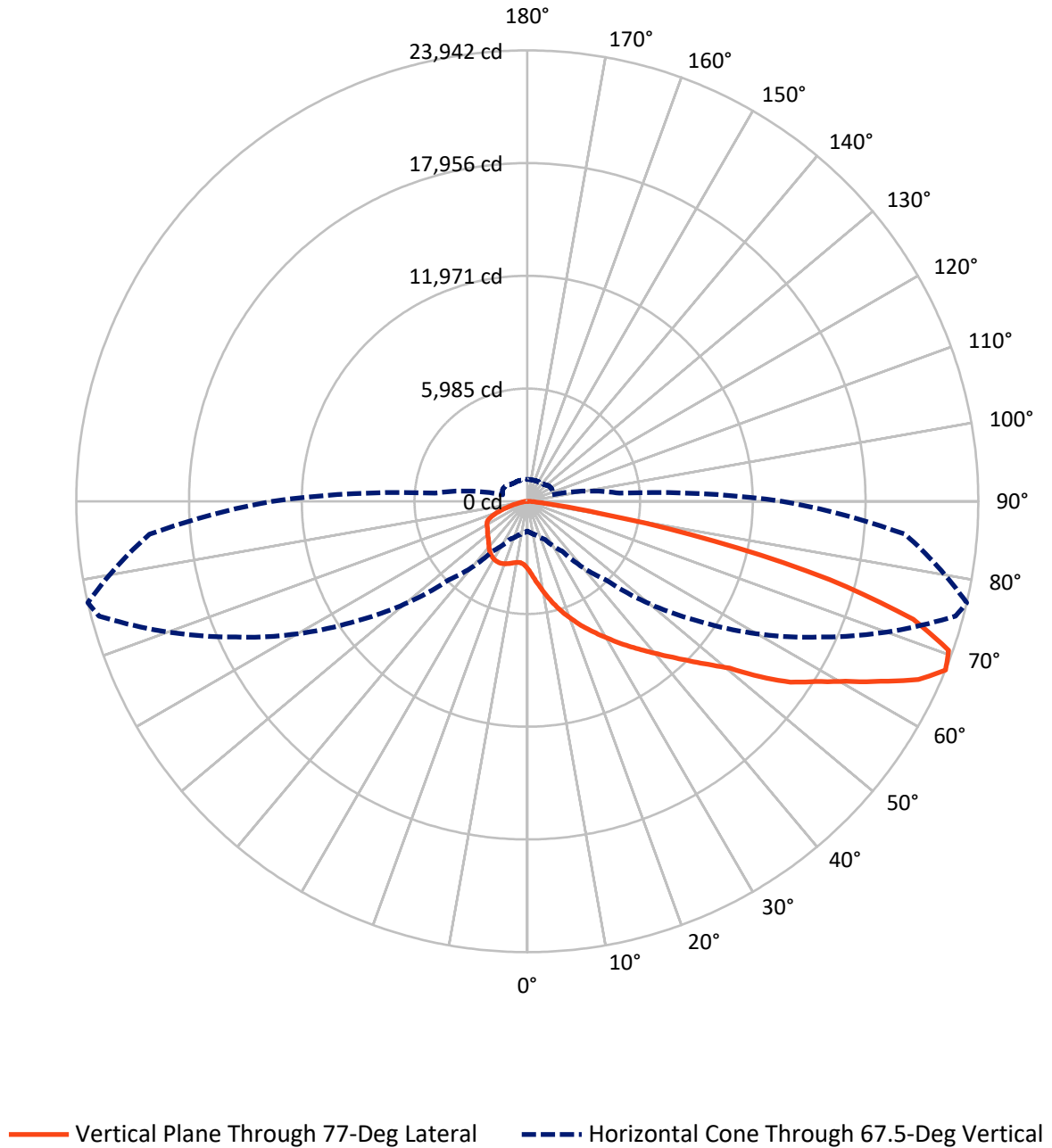
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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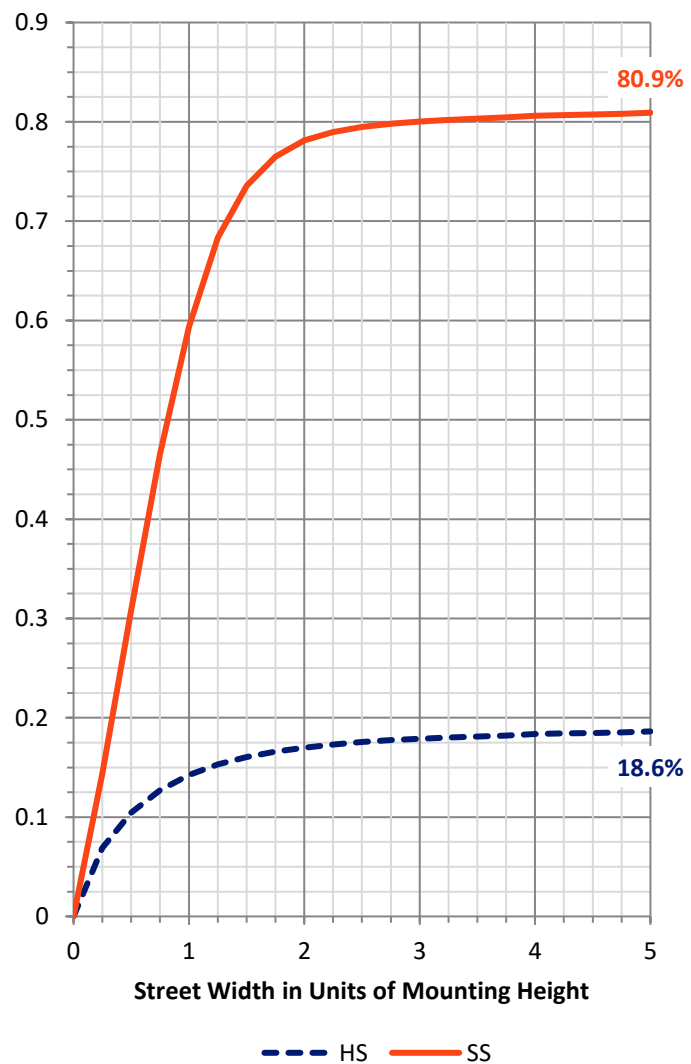
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5773.2	0.0	5773.2
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	24746.8	0.0	24746.8
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	30520.0	0.0	30520.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	383.8	1.3
10°-20°	1378.9	4.5
20°-30°	2603.6	8.5
30°-40°	4194.3	13.7
40°-50°	5737.1	18.8
50°-60°	6471.5	21.2
60°-70°	6040.3	19.8
70°-80°	3311.1	10.8
80°-90°	399.4	1.3
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°	30520.0	100.0
0°-180°	30520.0	100.0

**Coefficient of Utilization**



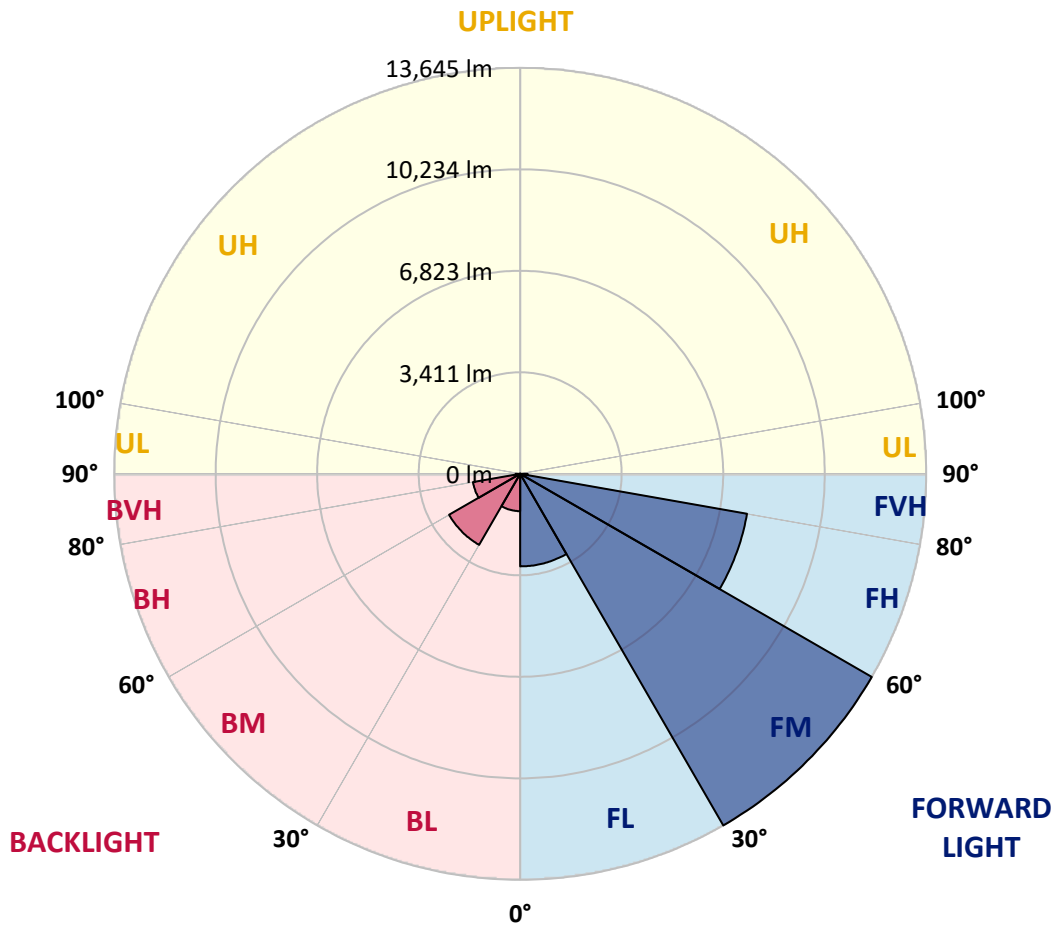
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3111.1	10.2			
FM (30°-60°)	13645.2	44.7			
FH (60°-80°)	7740.8	25.4			G4/12000
FVH (80°-90°)	249.8	0.8			G3/500
BL (0°-30°)	1255.2	4.1	B3/2500		
BM (30°-60°)	2757.7	9.0	B3/5000		
BH (60°-80°)	1610.6	5.3	B3/2500		G3/2500
BVH (80°-90°)	149.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9
2.5°	4483.7	4515.2	4475.8	4475.8	4343.5	4274.1	4141.8	4041.0	3859.8	3828.3	3708.6
5°	5299.7	5339.1	5284.0	5260.3	5104.4	4961.0	4738.9	4519.9	4196.9	4163.9	3881.9
7.5°	5931.5	5981.9	5933.1	5907.8	5769.2	5608.5	5348.6	5042.9	4587.6	4523.0	4115.0
10°	6446.6	6454.5	6438.8	6448.2	6339.5	6207.2	5940.9	5584.9	5016.2	4927.9	4397.0
12.5°	6738.1	6774.3	6805.8	6862.6	6843.7	6761.7	6522.3	6096.9	5469.9	5356.4	4704.2
15°	6875.2	6938.2	7009.1	7139.8	7245.4	7265.9	7083.1	6646.7	5931.5	5794.4	5014.6
17.5°	6924.0	6983.9	7095.7	7284.8	7511.6	7664.4	7582.5	7180.8	6388.4	6230.8	5340.7
20°	7171.3	7188.7	7256.4	7436.0	7681.8	7935.4	7996.9	7694.4	6840.5	6662.5	5677.8
22.5°	7700.7	7666.0	7684.9	7766.9	7943.3	8189.1	8329.3	8148.1	7305.3	7100.4	6018.1
25°	8575.0	8474.2	8373.4	8278.9	8368.7	8507.3	8666.4	8601.8	7792.1	7532.1	6361.6
27.5°	9679.4	9556.5	9334.4	9024.0	8915.3	8964.2	9035.1	9022.5	8242.6	7979.5	6716.0
30°	10766.5	10623.1	10358.4	9909.4	9622.7	9493.5	9440.0	9403.7	8732.6	8452.2	7073.7
32.5°	11634.5	11521.1	11261.1	10758.6	10342.7	10122.1	9944.1	9814.9	9244.6	8964.2	7451.8
35°	12393.9	12288.3	11990.6	11442.3	10990.2	10755.4	10522.3	10246.6	9777.1	9493.5	7858.2
37.5°	13087.1	12981.5	12573.5	12003.2	11547.9	11385.6	11177.7	10709.7	10311.2	10043.3	8288.3
40°	13525.0	13501.4	13120.2	12474.2	12001.6	11921.3	11851.9	11247.0	10903.5	10654.6	8760.9
42.5°	13636.9	13688.9	13386.4	12855.5	12404.9	12340.3	12502.6	11855.1	11568.4	11330.5	9296.6
45°	13367.5	13517.2	13318.7	12957.9	12691.6	12657.0	13079.2	12519.9	12304.1	12086.7	9942.5
47.5°	12685.3	12939.0	12857.1	12806.6	12768.8	12918.5	13586.5	13225.7	13137.5	12948.4	10679.8
50°	11308.4	11788.9	11932.3	12250.5	12616.0	13121.7	14048.1	13996.1	14111.1	13920.5	11577.8
52.5°	8927.9	9589.6	10421.4	11218.6	12146.5	13054.0	14555.4	15102.0	15587.3	15483.3	13005.1
55°	7369.8	7667.6	8307.2	9769.2	11235.9	12768.8	14783.8	15995.3	17052.4	16959.5	14087.5
57.5°	6172.5	6438.8	6832.6	8053.6	9859.0	12121.3	14925.6	16540.4	18056.0	18046.5	15155.6
60°	4888.5	5170.5	5573.9	6438.8	8250.5	11002.8	14894.1	17161.1	19336.8	19415.6	16458.5
62.5°	3439.2	3749.5	4196.9	5003.6	6607.3	9553.4	14251.3	17610.1	20844.5	21058.7	18026.0
65°	2260.7	2465.5	2802.7	3499.0	4923.2	7689.7	13024.0	17668.4	22457.7	22820.1	19497.5
67.5°	1584.9	1663.7	1862.2	2240.3	3245.4	5896.8	11068.9	17065.0	23533.7	23941.8	20135.5
70°	1236.7	1276.1	1376.9	1528.2	2038.6	3965.3	8482.1	15495.9	23303.7	23729.1	19469.1
72.5°	1068.1	1105.9	1143.8	1162.7	1367.5	2448.2	5745.6	12956.3	21137.5	21425.8	16928.0
75°	968.9	978.3	1009.8	1003.5	1042.9	1588.0	3316.3	9440.0	16677.5	16578.2	12496.3
77.5°	814.5	827.1	879.1	871.2	926.4	1085.5	1721.9	6092.2	10812.2	10137.9	6955.5
80°	690.0	696.3	753.1	743.6	805.0	786.1	879.1	3105.2	4586.1	3885.0	2005.5
82.5°	239.5	296.2	575.0	592.4	614.4	475.8	507.3	1266.6	1400.6	1072.9	420.6
85°	116.6	124.5	293.0	415.9	414.3	239.5	247.3	452.1	441.1	346.6	140.2
87.5°	18.9	23.6	34.7	162.3	129.2	63.0	85.1	88.2	91.4	78.8	31.5
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°	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9	3580.9
2.5°	3620.3	3541.6	3376.1	3223.3	3103.6	2988.6	2924.0	2868.9	2837.3	2831.0	2831.0
5°	3718.0	3555.7	3254.8	3001.2	2835.8	2712.9	2648.3	2607.3	2586.9	2574.2	2572.7
7.5°	3858.2	3620.3	3191.8	2903.5	2730.2	2642.0	2608.9	2602.6	2601.0	2602.6	2607.3
10°	4052.0	3725.9	3185.5	2879.9	2734.9	2686.1	2684.5	2686.1	2692.4	2694.0	2695.6
12.5°	4261.5	3834.6	3210.7	2900.4	2794.8	2768.0	2763.3	2761.7	2766.4	2769.6	2771.2
15°	4490.0	3978.0	3253.3	2944.5	2861.0	2832.6	2827.9	2818.4	2816.9	2815.3	2813.7
17.5°	4724.7	4119.7	3300.5	2991.7	2903.5	2864.1	2846.8	2824.7	2807.4	2802.7	2807.4
20°	4962.6	4260.0	3333.6	3015.4	2906.7	2851.5	2816.9	2779.1	2749.1	2731.8	2738.1
22.5°	5216.2	4406.5	3354.1	3009.1	2878.3	2802.7	2739.7	2695.6	2649.9	2619.9	2621.5
25°	5463.6	4534.1	3352.5	2976.0	2823.2	2727.1	2646.7	2590.0	2527.0	2495.5	2495.5
27.5°	5701.5	4649.1	3313.1	2917.7	2744.4	2637.3	2541.2	2473.4	2412.0	2382.0	2380.5
30°	5947.2	4745.2	3251.7	2832.6	2651.4	2533.3	2427.7	2369.4	2314.3	2285.9	2284.4
32.5°	6191.4	4833.4	3165.0	2727.1	2544.3	2430.9	2326.9	2273.3	2240.3	2240.3	2241.8
35°	6449.8	4894.8	3050.0	2604.2	2430.9	2322.2	2240.3	2208.7	2205.6	2186.7	2182.0
37.5°	6722.3	4934.2	2909.8	2478.1	2319.0	2216.6	2191.4	2153.6	2122.1	2081.1	2074.8
40°	7009.1	4973.6	2741.2	2347.4	2200.9	2144.2	2133.1	2082.7	1992.9	1892.1	1877.9
42.5°	7357.2	5000.4	2566.4	2216.6	2076.4	2057.5	2073.3	1986.6	1843.2	1767.6	1769.2
45°	7760.6	5044.5	2405.7	2087.4	1948.8	1948.8	2015.0	1901.5	1783.4	1736.1	1744.0
47.5°	8283.6	5146.9	2256.0	1945.7	1830.6	1862.2	1885.8	1799.1	1733.0	1674.7	1673.1
50°	9039.8	5392.7	2101.6	1802.3	1740.8	1803.9	1770.8	1720.4	1643.2	1595.9	1591.2
52.5°	9978.8	5537.6	1964.6	1673.1	1663.7	1726.7	1679.4	1632.1	1573.9	1510.8	1498.2
55°	10618.4	5564.4	1849.6	1578.6	1611.7	1605.4	1588.0	1545.5	1514.0	1430.5	1432.1
57.5°	11333.6	5618.0	1755.0	1521.9	1578.6	1509.3	1503.0	1466.7	1425.8	1369.0	1350.1
60°	12189.1	5701.5	1673.1	1499.8	1550.2	1446.2	1414.7	1400.6	1359.6	1331.2	1339.1
62.5°	13121.7	5777.1	1589.6	1503.0	1517.1	1384.8	1337.5	1332.8	1307.6	1298.2	1298.2
65°	13758.2	5570.7	1485.6	1499.8	1465.1	1321.8	1261.9	1260.3	1239.9	1236.7	1235.1
67.5°	13536.1	4916.9	1345.4	1455.7	1411.6	1258.8	1192.6	1186.3	1159.5	1161.1	1161.1
70°	12423.8	3984.3	1151.6	1347.0	1345.4	1202.1	1120.1	1099.6	1063.4	1069.7	1076.0
72.5°	10337.9	2952.3	891.7	1165.8	1239.9	1150.1	1036.6	1003.5	957.9	964.2	962.6
75°	7465.9	2007.1	649.1	887.0	1079.2	1088.6	954.7	898.0	842.9	852.3	855.5
77.5°	3820.4	1137.5	477.4	611.3	847.6	989.4	880.7	805.0	792.4	880.7	868.1
80°	1246.2	570.3	330.8	428.5	556.1	809.8	772.0	685.3	682.2	702.6	603.4
82.5°	371.8	241.0	212.7	282.0	307.2	620.7	666.4	518.3	445.8	469.5	485.2
85°	127.6	116.6	121.3	140.2	146.5	363.9	466.3	343.4	324.5	357.6	352.9
87.5°	29.9	41.0	34.7	31.5	31.5	88.2	181.2	143.4	198.5	132.3	127.6
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)