

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: P952347

Luminaire Tested: **GALN-SB6B-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28153 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 220.4
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



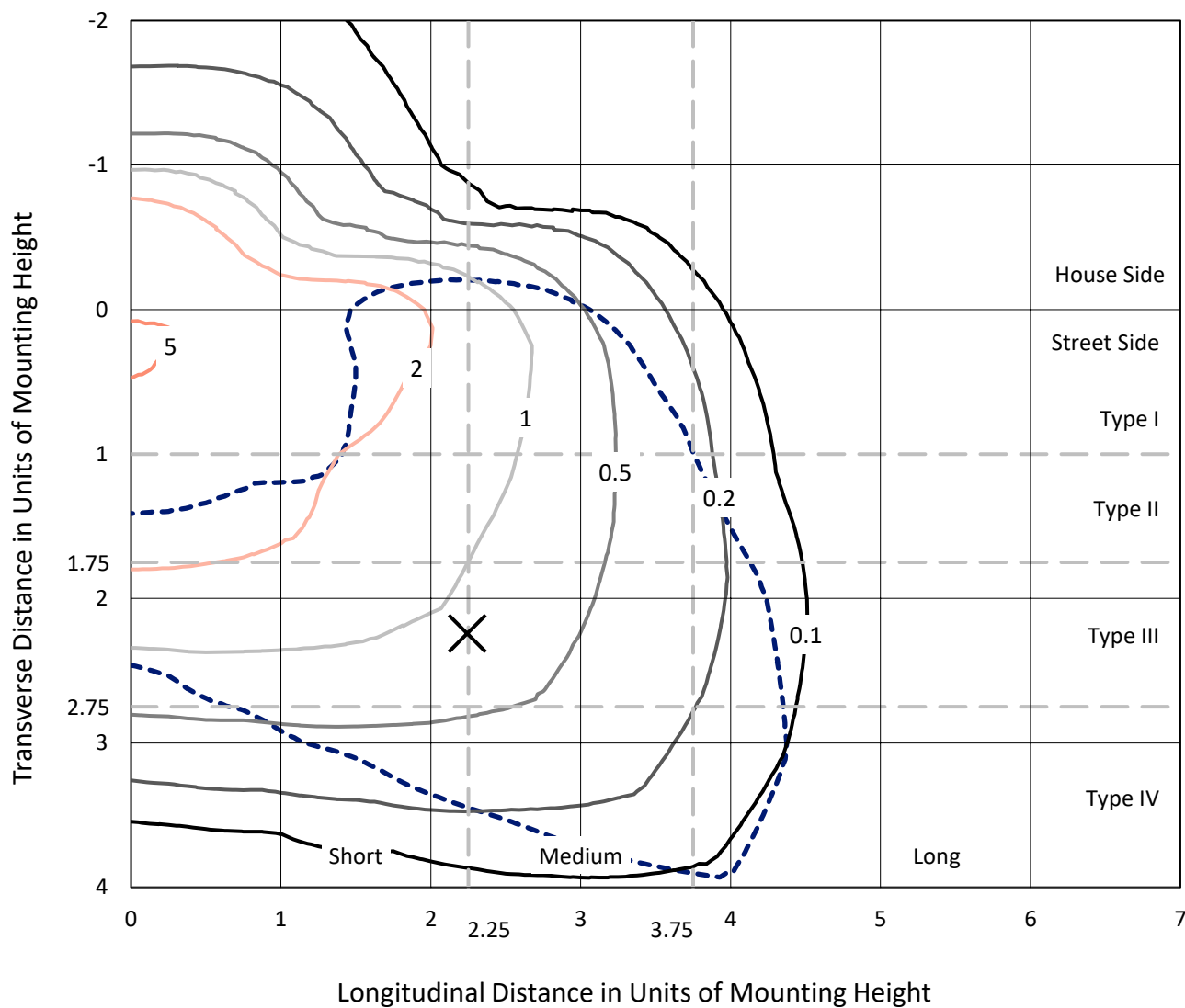
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

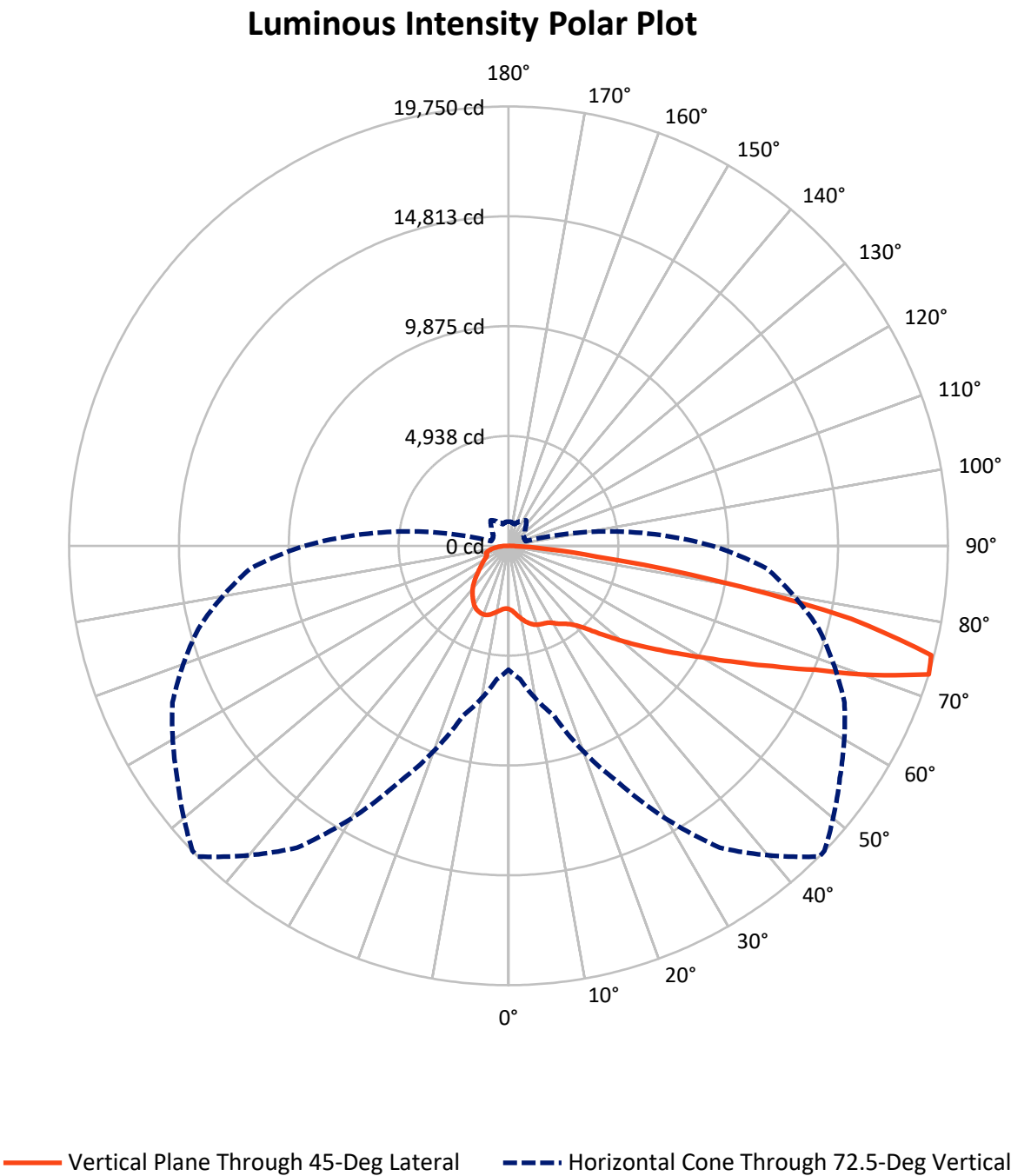
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc

Type IV - Short - N/A

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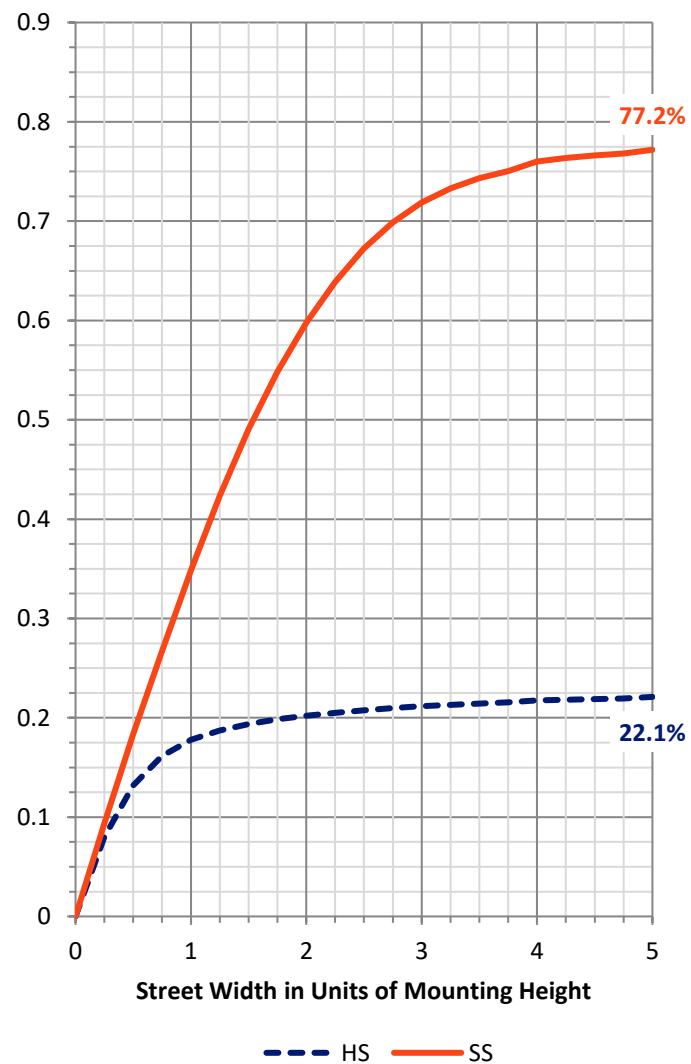
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6364.4	0.0	6364.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	21788.6	0.0	21788.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	28153.0	0.0	28153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.1	1.0
10°-20°	963.8	3.4
20°-30°	1676.6	6.0
30°-40°	2403.4	8.5
40°-50°	3384.2	12.0
50°-60°	5183.5	18.4
60°-70°	7509.1	26.7
70°-80°	5996.5	21.3
80°-90°	746.8	2.7
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°	28153.0	100.0
0°-180°	28153.0	100.0

Coefficient of Utilization



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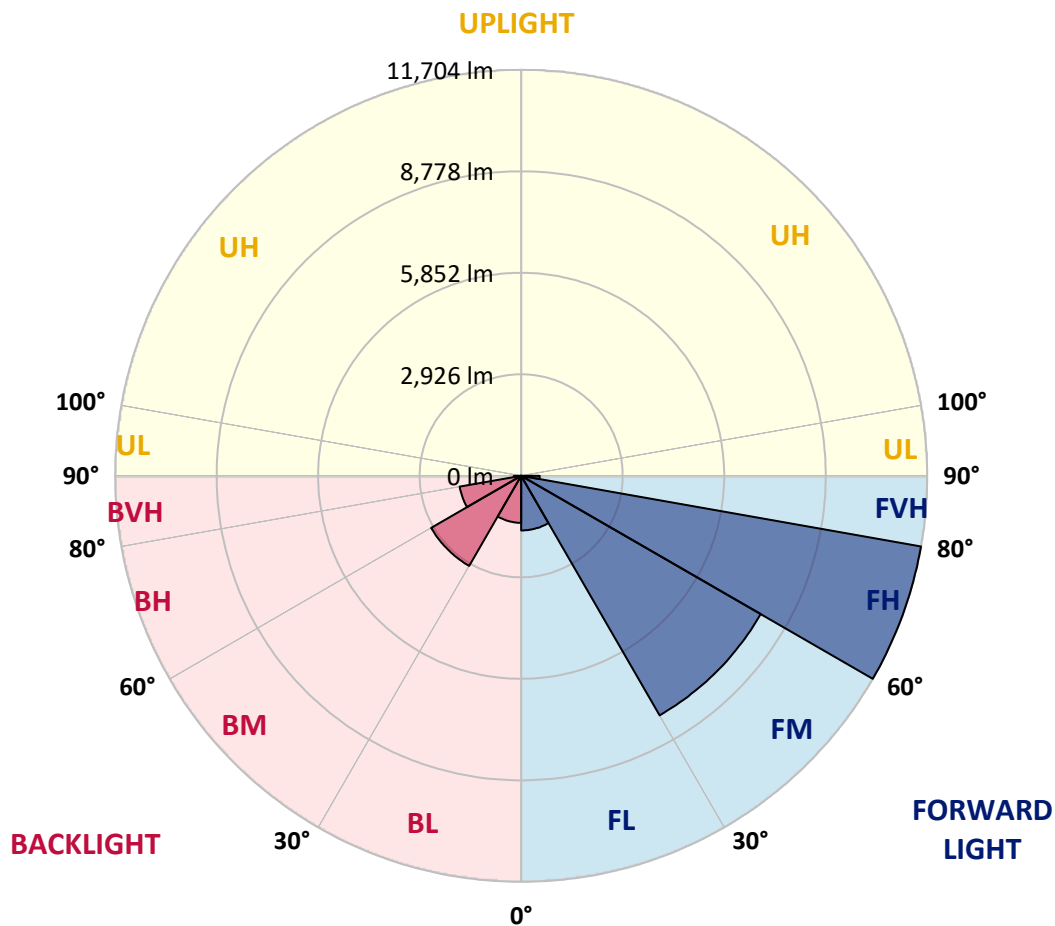
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1574.4	5.6			
FM	(30°-60°)	7974.4	28.3			
FH	(60°-80°)	11704.0	41.6			G4/12000
FVH	(80°-90°)	535.8	1.9			G4/750
BL	(0°-30°)	1355.0	4.8	B3/2500		
BM	(30°-60°)	2996.7	10.6	B3/5000		
BH	(60°-80°)	1801.6	6.4	B3/2500		G3/2500
BVH	(80°-90°)	211.0	0.7			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1
2.5°	2951.3	2970.6	2952.8	2936.5	2929.1	2909.8	2908.3	2896.4	2889.0	2868.3	2862.3
5°	3157.5	3182.7	3153.0	3120.4	3090.7	3043.3	3037.3	3003.2	2964.7	2920.2	2895.0
7.5°	3390.3	3412.6	3378.4	3329.5	3277.6	3199.0	3197.5	3135.2	3074.4	2998.8	2955.8
10°	3593.5	3623.2	3577.2	3510.4	3445.2	3356.2	3345.8	3274.6	3197.5	3099.6	3034.4
12.5°	3772.9	3793.7	3749.2	3667.6	3592.0	3503.0	3489.7	3411.1	3325.1	3213.8	3130.8
15°	3915.3	3942.0	3882.7	3795.2	3715.1	3627.6	3615.7	3544.6	3458.5	3341.4	3234.6
17.5°	4008.8	4031.0	3970.2	3872.3	3795.2	3722.5	3713.6	3654.3	3578.7	3460.0	3345.8
20°	4044.3	4068.1	4004.3	3904.9	3833.8	3777.4	3772.9	3729.9	3678.0	3569.8	3454.1
22.5°	4079.9	4102.2	4019.1	3915.3	3853.0	3817.4	3816.0	3787.8	3767.0	3678.0	3565.3
25°	4223.8	4229.7	4118.5	3968.7	3879.7	3848.6	3847.1	3845.6	3854.5	3784.8	3685.4
27.5°	4348.4	4346.9	4252.0	4111.1	3973.2	3907.9	3906.4	3921.3	3949.4	3891.6	3810.0
30°	4530.8	4514.5	4401.8	4254.9	4128.9	4028.0	4019.1	4005.8	4028.0	3982.1	3934.6
32.5°	4917.9	4866.0	4683.6	4422.5	4257.9	4180.8	4168.9	4085.9	4094.8	4066.6	4042.9
35°	5472.5	5404.3	5161.1	4739.9	4418.1	4308.3	4302.4	4197.1	4179.3	4154.1	4163.0
37.5°	6132.5	6048.0	5764.7	5199.7	4693.9	4456.6	4447.7	4352.8	4280.2	4253.5	4303.9
40°	6795.5	6688.7	6454.3	5760.3	5100.3	4704.3	4676.1	4532.3	4449.2	4404.7	4511.5
42.5°	7439.1	7350.1	7149.9	6389.1	5601.6	5066.2	5003.9	4757.7	4695.4	4653.9	4846.7
45°	8008.6	7928.5	7781.7	7060.9	6188.9	5558.6	5497.8	5095.8	5076.6	5076.6	5355.4
47.5°	8471.3	8453.5	8297.8	7746.1	6881.5	6119.2	6013.9	5566.0	5617.9	5698.0	6077.6
50°	8984.5	8935.5	8769.4	8420.9	7695.7	6761.3	6675.3	6142.9	6337.2	6556.7	7121.7
52.5°	9456.1	9482.8	9297.4	9123.9	8615.2	7477.7	7326.4	6823.6	7243.3	7606.7	8345.3
55°	9941.1	9942.5	9890.6	9866.9	9579.2	8269.6	8103.5	7642.3	8309.7	8760.5	9772.0
57.5°	10396.4	10399.3	10476.4	10685.6	10697.4	9183.2	8994.9	8647.8	9494.6	9954.4	11243.2
60°	10802.7	10823.5	11034.1	11523.5	11680.7	10230.3	10052.3	9835.8	10719.7	11182.4	12790.0
62.5°	10939.2	11014.8	11483.5	12179.0	12652.1	11514.6	11339.6	11210.6	12007.0	12437.1	14083.3
65°	10707.8	10881.3	11787.5	12720.3	13651.7	13040.7	12867.2	12726.3	13344.7	13749.6	15145.2
67.5°	10139.8	10363.7	11769.7	13288.4	14864.9	14876.7	14715.1	14384.4	14778.8	14934.6	15490.7
70°	8643.4	8978.5	10733.0	13500.4	16257.5	17387.6	17231.9	16380.6	16210.0	15456.6	14517.8
72.5°	5568.9	6019.8	7903.3	11754.9	16567.4	19750.1	19741.2	18182.5	16662.4	14442.2	11643.6
75°	2031.8	2307.7	3672.1	7378.3	13906.8	19630.0	19687.8	17874.0	15210.4	11155.7	7253.7
77.5°	740.1	809.8	1198.3	2835.6	8552.9	15750.3	15870.4	14289.4	10826.5	5598.6	2874.2
80°	388.6	427.1	614.0	1100.4	3664.7	9353.8	9542.1	8492.1	5088.4	1686.3	861.7
82.5°	215.0	232.8	344.1	597.7	1650.7	3999.9	4112.6	3354.7	1790.1	714.8	355.9
85°	115.7	123.1	161.7	326.3	806.8	1386.7	1417.8	1002.6	713.4	419.7	172.0
87.5°	34.1	41.5	53.4	103.8	315.9	311.4	318.9	198.7	281.8	212.1	56.4
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°	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1	2840.1
2.5°	2853.4	2849.0	2832.7	2825.3	2816.4	2814.9	2822.3	2823.8	2825.3	2826.7	2832.7
5°	2880.1	2865.3	2850.5	2841.6	2844.5	2846.0	2860.9	2871.2	2878.6	2884.6	2887.5
7.5°	2932.0	2920.2	2895.0	2893.5	2897.9	2911.3	2930.6	2954.3	2967.6	2978.0	2981.0
10°	3009.2	2986.9	2957.3	2961.7	2970.6	2989.9	3029.9	3049.2	3071.4	3090.7	3086.3
12.5°	3087.8	3068.5	3034.4	3037.3	3052.2	3086.3	3124.8	3148.6	3163.4	3178.2	3184.2
15°	3190.1	3156.0	3118.9	3118.9	3145.6	3182.7	3200.5	3219.8	3228.7	3245.0	3250.9
17.5°	3295.4	3250.9	3202.0	3199.0	3231.6	3249.4	3259.8	3262.8	3265.7	3283.5	3289.5
20°	3400.7	3351.8	3282.0	3276.1	3283.5	3280.6	3279.1	3276.1	3280.6	3302.8	3311.7
22.5°	3504.5	3448.2	3351.8	3325.1	3304.3	3276.1	3274.6	3273.1	3276.1	3298.4	3313.2
25°	3626.1	3557.9	3428.9	3348.8	3279.1	3240.5	3245.0	3246.5	3249.4	3267.2	3290.9
27.5°	3758.1	3682.5	3500.1	3341.4	3215.3	3188.6	3181.2	3185.6	3196.0	3224.2	3252.4
30°	3890.1	3801.1	3565.3	3311.7	3135.2	3098.1	3074.4	3084.8	3117.4	3145.6	3176.7
32.5°	4010.2	3921.3	3617.2	3246.5	3032.9	2975.0	2943.9	2957.3	2989.9	3000.3	3037.3
35°	4151.1	4050.3	3639.5	3142.6	2921.7	2832.7	2791.1	2771.9	2788.2	2777.8	2810.4
37.5°	4308.3	4203.0	3636.5	3006.2	2791.1	2688.8	2631.0	2558.3	2524.2	2488.6	2510.8
40°	4541.2	4389.9	3600.9	2841.6	2629.5	2536.1	2432.2	2309.1	2232.0	2162.3	2166.8
42.5°	4858.6	4649.4	3535.7	2660.6	2447.1	2359.6	2218.7	2074.8	1953.2	1837.5	1827.1
45°	5331.7	4989.1	3454.1	2467.8	2249.8	2163.8	2011.1	1849.4	1711.5	1563.2	1545.4
47.5°	6013.9	5445.9	3377.0	2248.3	2042.2	1963.6	1825.7	1675.9	1512.7	1368.9	1352.6
50°	6951.2	6101.4	3305.8	2034.8	1837.5	1778.2	1668.5	1515.7	1351.1	1235.4	1228.0
52.5°	8143.6	6992.7	3276.1	1828.6	1646.2	1624.0	1536.5	1394.1	1238.4	1140.5	1133.1
55°	9512.4	8059.0	3276.1	1631.4	1478.6	1486.0	1425.2	1293.2	1158.3	1070.8	1061.9
57.5°	10909.5	9138.7	3216.8	1449.0	1336.3	1367.4	1328.8	1213.2	1091.5	1001.1	986.2
60°	12196.8	10043.4	2976.5	1282.9	1210.2	1259.1	1233.9	1134.6	986.2	910.6	898.7
62.5°	13186.0	10553.6	2513.8	1150.9	1106.4	1162.7	1149.4	1030.7	967.0	935.8	925.4
65°	13681.4	10470.5	1922.1	1033.7	1018.9	1106.4	1078.2	1073.7	1023.3	987.7	975.9
67.5°	13377.3	9755.7	1394.1	947.7	968.4	1054.5	1162.7	1180.5	1087.1	1017.4	1005.5
70°	12044.1	8462.4	1038.2	866.1	904.7	1055.9	1325.9	1235.4	1066.3	984.8	971.4
72.5°	9162.4	6310.5	805.3	780.1	821.6	1063.4	1398.5	1210.2	1007.0	1088.6	1079.7
75°	5239.7	3464.5	646.6	674.8	717.8	993.7	1361.5	1144.9	961.0	999.6	999.6
77.5°	1997.7	1331.8	533.9	571.0	576.9	867.6	1302.1	1140.5	915.1	892.8	814.2
80°	692.6	520.6	442.0	453.8	446.4	771.2	1248.7	992.2	749.0	670.4	648.1
82.5°	283.3	259.5	350.0	335.2	317.4	599.2	1008.5	811.2	612.5	541.3	535.4
85°	123.1	164.6	231.4	203.2	183.9	415.3	808.3	686.7	517.6	446.4	444.9
87.5°	25.2	62.3	97.9	92.0	94.9	277.3	574.0	487.9	366.3	274.4	215.0
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)