

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: P942629

Luminaire Tested: **GALN-SB6D-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50384 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1
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



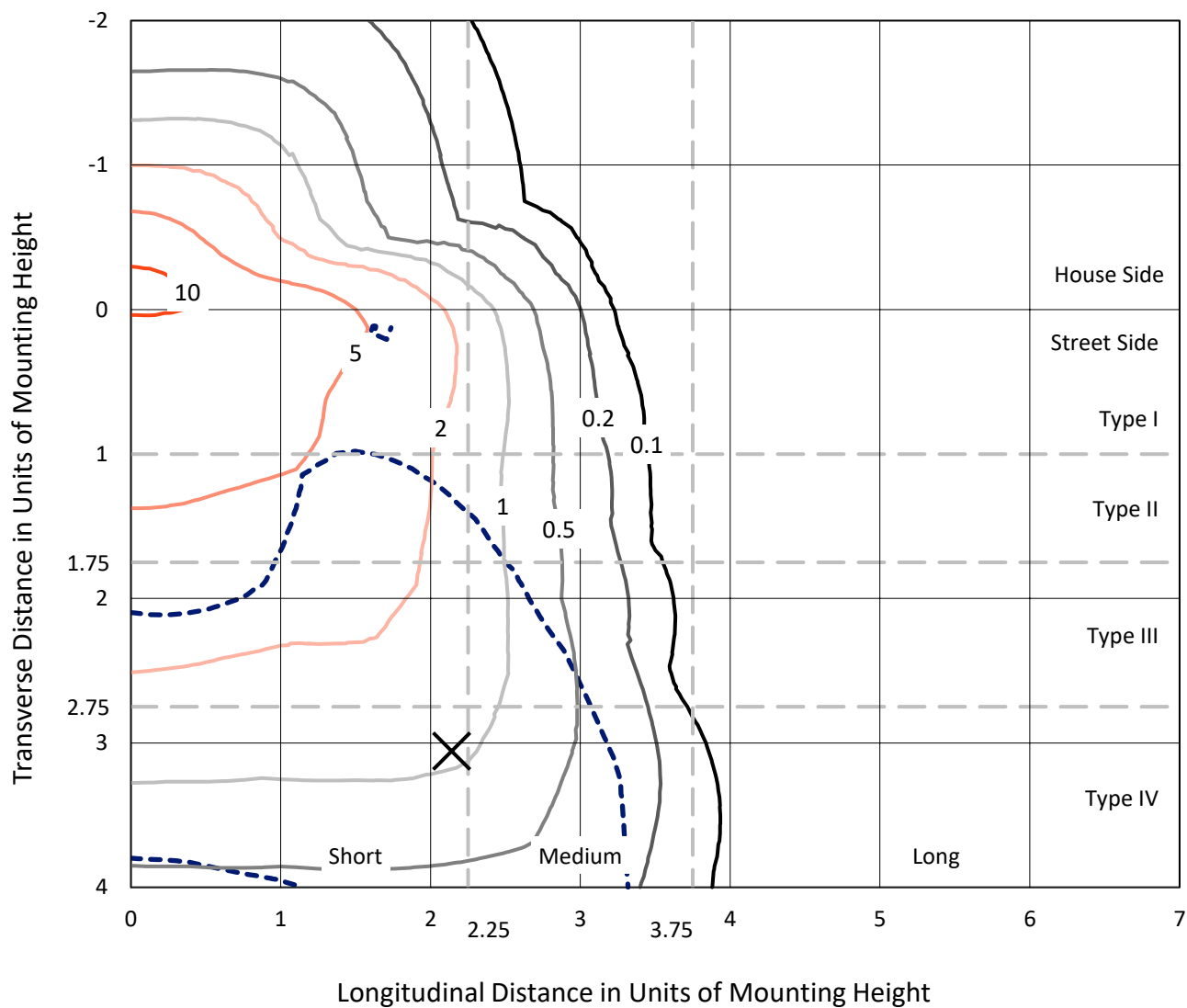
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



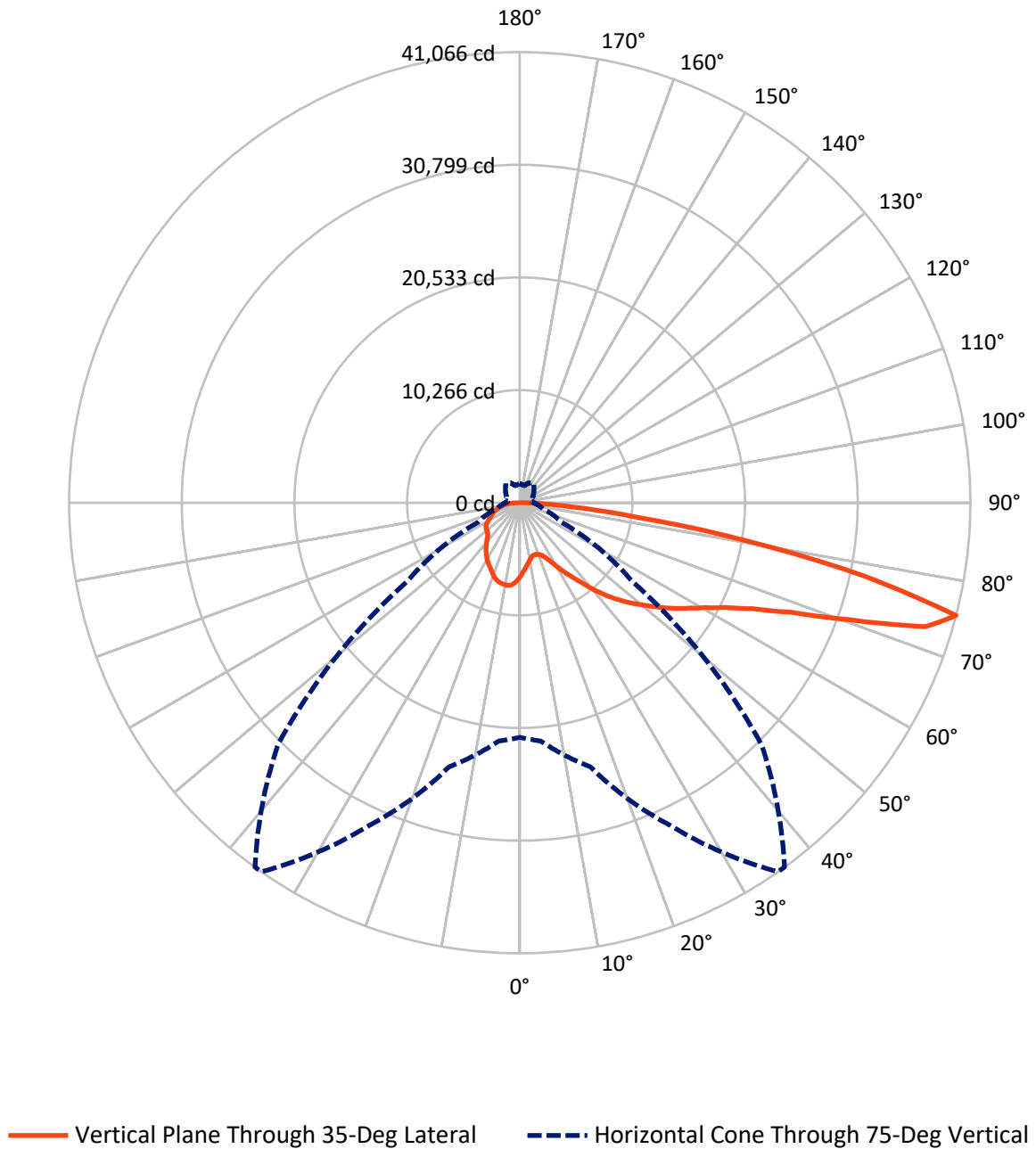
Based on 25 foot mounting height. Maximum calculated value = 11.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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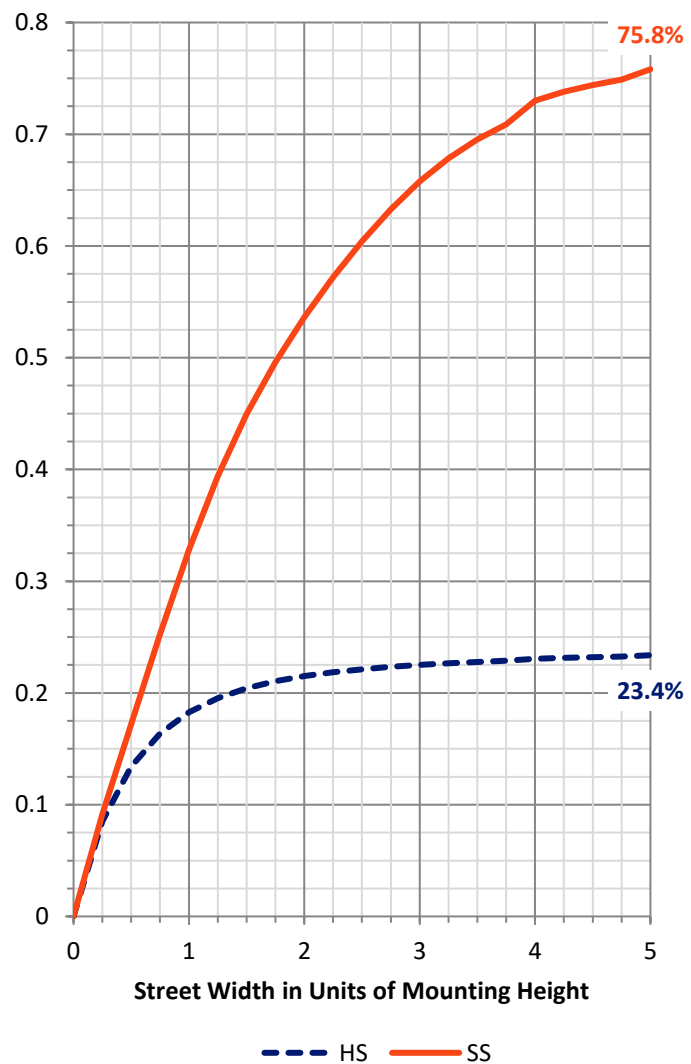
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11990.1	0.0	11990.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	38393.9	0.0	38393.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	50384.0	0.0	50384.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	635.7	1.3
10°-20°	1833.6	3.6
20°-30°	3079.1	6.1
30°-40°	4785.3	9.5
40°-50°	7102.7	14.1
50°-60°	9805.6	19.5
60°-70°	11896.5	23.6
70°-80°	9831.5	19.5
80°-90°	1414.1	2.8
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°	50384.0	100.0
0°-180°	50384.0	100.0

Coefficient of Utilization



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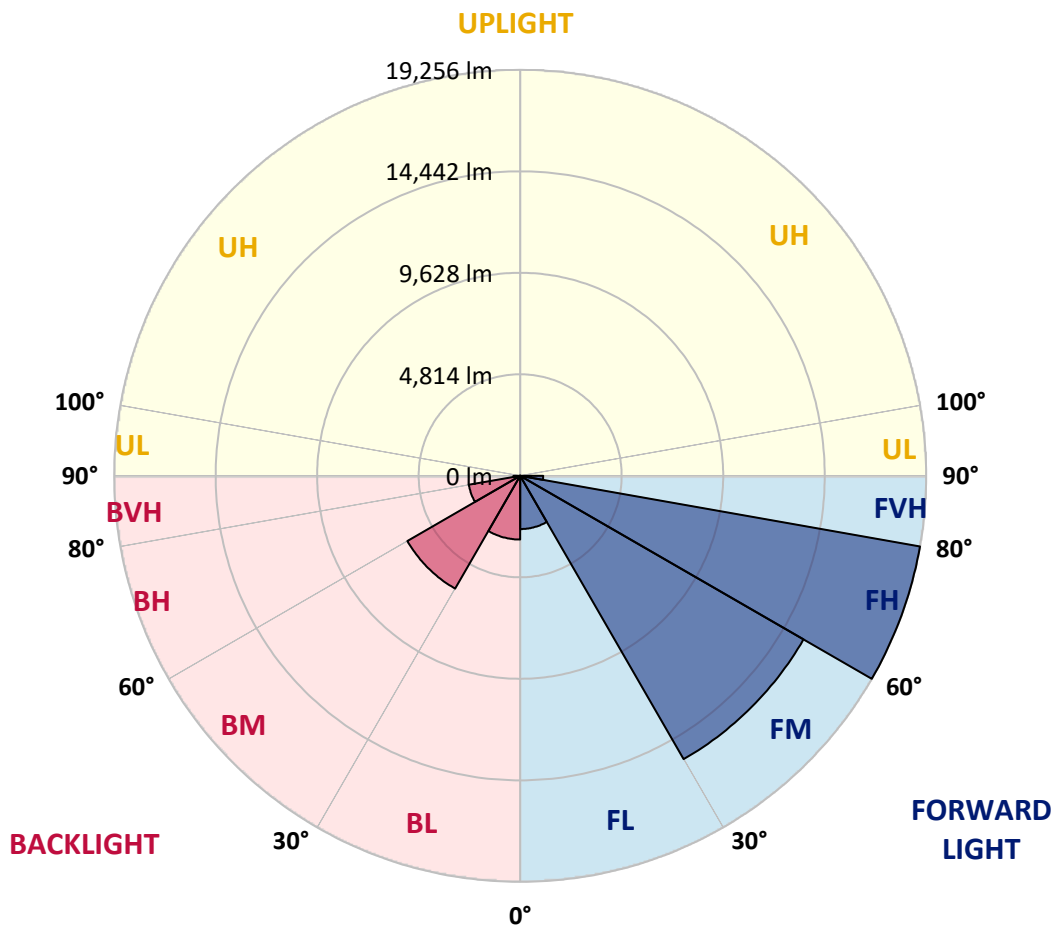
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2526.7	5.0			
FM	(30°-60°)	15515.5	30.8			
FH	(60°-80°)	19256.0	38.2			G5
FVH	(80°-90°)	1095.7	2.2			G5
BL	(0°-30°)	3021.7	6.0	B4/5000		
BM	(30°-60°)	6178.0	12.3	B4/8500		
BH	(60°-80°)	2472.0	4.9	B3/2500		G3/2500
BVH	(80°-90°)	318.4	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0
2.5°	6191.1	6229.2	6245.5	6237.4	6278.2	6272.8	6330.0	6400.8	6498.8	6594.2	6733.1
5°	5714.4	5755.3	5790.7	5823.3	5902.3	5926.8	6016.7	6152.9	6332.7	6515.2	6744.0
7.5°	5270.4	5305.8	5360.3	5420.2	5553.7	5578.2	5728.0	5940.5	6191.1	6458.0	6773.9
10°	4908.2	4943.6	5000.8	5068.9	5235.0	5265.0	5455.6	5738.9	6065.8	6403.5	6806.6
12.5°	4752.9	4763.8	4796.5	4864.6	5009.0	5028.0	5237.7	5561.9	5943.2	6362.6	6855.6
15°	4744.7	4766.5	4769.3	4804.7	4924.5	4932.7	5126.1	5447.5	5866.9	6354.5	6929.2
17.5°	4826.5	4842.8	4818.3	4840.1	4940.9	4954.5	5107.0	5393.0	5842.4	6389.9	7054.5
20°	5044.4	5058.0	4984.4	4954.5	5028.0	5038.9	5188.7	5428.4	5866.9	6463.4	7226.1
22.5°	5507.4	5515.6	5335.8	5213.2	5218.7	5224.1	5354.9	5572.8	5962.3	6596.9	7444.0
25°	6229.2	6223.7	5937.7	5700.8	5564.6	5534.6	5621.8	5807.0	6123.0	6773.9	7724.5
27.5°	7073.5	7032.7	6746.7	6392.6	6095.7	6052.1	6033.1	6112.1	6351.8	7008.2	8067.7
30°	8026.8	7988.7	7680.9	7217.9	6806.6	6735.8	6556.0	6515.2	6692.2	7326.8	8544.4
32.5°	9072.8	9048.3	8680.5	8119.5	7569.3	7487.5	7185.2	7076.3	7215.2	7809.0	9209.0
35°	9949.8	9928.0	9623.0	9045.5	8372.8	8272.0	7964.2	7841.6	7912.5	8427.2	10077.8
37.5°	10742.4	10731.5	10470.0	10015.2	9320.6	9198.1	8852.1	8811.3	8797.7	9241.6	11131.9
40°	11477.8	11450.6	11178.2	10938.5	10423.7	10312.1	10007.0	9971.6	9868.1	10244.0	12324.9
42.5°	12292.2	12221.4	11826.5	11714.8	11575.9	11483.3	11300.8	11306.2	11077.4	11374.3	13588.7
45°	12956.8	12916.0	12510.1	12444.7	12594.6	12556.4	12714.4	12755.3	12311.3	12559.1	14901.6
47.5°	13670.4	13632.3	13289.1	13242.8	13648.6	13659.5	14217.9	14231.5	13515.2	13790.3	16217.1
50°	14550.2	14495.7	14155.3	14212.5	14667.3	14708.2	15729.6	15637.0	14623.7	15040.5	17521.8
52.5°	15130.4	15163.0	15089.5	15182.1	15803.1	15841.2	17216.7	16979.8	15721.4	16274.3	18801.9
55°	15558.0	15623.3	15852.1	16064.6	17001.6	17039.7	18619.5	18257.2	16631.1	17418.3	20005.8
57.5°	16108.2	16015.6	16443.2	16857.2	18140.1	18240.9	19984.0	19488.3	17437.4	18404.3	20831.1
60°	16898.1	16832.7	17165.0	17777.8	19414.8	19575.5	21427.6	20596.9	18028.4	19186.0	20991.8
62.5°	18499.6	18336.2	18387.9	18930.0	21021.8	21234.2	23056.4	21563.8	18322.6	19491.1	20131.1
65°	20893.8	20613.2	20351.8	20727.6	23285.2	23494.9	24894.9	22323.7	18213.6	18900.0	17845.9
67.5°	23909.0	23631.1	23309.7	23663.8	26619.1	26785.2	27163.8	22751.4	17355.6	16623.0	13806.6
70°	26395.7	26292.2	26676.3	28133.5	31944.0	31949.4	30072.8	22397.3	15005.1	11785.6	7988.7
72.5°	26066.2	26003.5	28027.2	32532.3	38655.3	38510.9	32826.5	19717.1	10107.8	5316.7	2993.4
75°	21384.1	21789.9	24924.9	32453.3	41065.8	41046.7	31140.5	12534.6	4180.9	2203.5	1547.1
77.5°	11466.9	12109.7	16181.7	23960.7	32058.4	32540.5	21893.4	4385.2	1794.9	1410.9	1070.4
80°	3739.7	4300.8	6449.8	12199.6	20831.1	20741.2	9383.3	1721.4	1228.4	999.6	740.9
82.5°	1587.9	1653.3	2881.7	5760.7	10690.7	10524.5	2987.9	988.7	863.4	683.7	457.6
85°	621.0	694.6	1272.0	2663.8	4630.4	4529.6	1078.6	490.3	552.9	446.7	272.4
87.5°	204.3	247.9	454.9	912.5	1440.9	1389.1	264.2	168.9	239.7	204.3	98.1
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°	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0	6714.0
2.5°	6771.2	6814.8	6866.5	6942.8	7008.2	7062.6	7119.8	7155.3	7168.9	7209.7	7207.0
5°	6820.2	6915.6	7043.6	7168.9	7291.4	7365.0	7430.4	7463.0	7493.0	7514.8	7520.2
7.5°	6901.9	7024.5	7226.1	7389.5	7493.0	7552.9	7596.5	7585.6	7596.5	7601.9	7610.1
10°	6972.8	7144.4	7384.0	7539.3	7618.3	7621.0	7610.1	7572.0	7552.9	7555.6	7561.1
12.5°	7057.2	7247.9	7506.6	7637.4	7659.1	7599.2	7552.9	7487.5	7463.0	7452.1	7446.7
15°	7171.6	7389.5	7640.1	7689.1	7634.6	7558.4	7479.4	7373.2	7318.7	7275.1	7288.7
17.5°	7310.5	7550.2	7743.6	7708.2	7591.1	7465.8	7337.7	7177.0	7065.4	7019.1	7021.8
20°	7503.9	7719.1	7822.6	7667.3	7490.3	7299.6	7081.7	6885.6	6782.1	6735.8	6730.4
22.5°	7738.1	7945.1	7898.8	7596.5	7345.9	7040.9	6768.5	6624.1	6572.4	6539.7	6545.1
25°	8018.7	8195.7	7953.3	7493.0	7109.0	6697.7	6487.9	6441.6	6417.1	6392.6	6392.6
27.5°	8383.7	8479.0	7994.2	7340.5	6738.5	6332.7	6256.4	6264.6	6256.4	6215.6	6223.7
30°	8865.8	8846.7	8032.3	7092.6	6313.6	6003.1	6008.6	6044.0	6049.4	6022.2	6035.8
32.5°	9500.4	9307.0	8051.4	6771.2	5907.8	5714.4	5719.8	5758.0	5785.2	5738.9	5760.7
35°	10268.5	9843.6	8021.4	6368.1	5594.6	5439.3	5398.4	5409.3	5417.5	5373.9	5403.9
37.5°	11164.6	10445.5	7887.9	5921.4	5335.8	5169.7	5082.5	5009.0	4965.4	4924.5	4951.8
40°	12147.9	11101.9	7642.8	5485.6	5047.1	4883.7	4752.9	4614.0	4466.9	4412.5	4437.0
42.5°	13177.4	11777.4	7345.9	5068.9	4714.8	4581.3	4442.4	4240.9	4020.2	3908.6	3922.2
45°	14245.1	12469.3	7054.5	4657.6	4374.3	4317.1	4156.4	3914.0	3674.3	3532.7	3521.8
47.5°	15291.1	13123.0	6626.8	4243.6	4055.6	4118.3	3993.0	3769.7	3502.7	3279.4	3254.9
50°	16290.7	13735.8	5926.8	3824.1	3796.9	4058.4	3938.5	3617.1	3312.1	3026.1	3001.6
52.5°	17282.1	14231.5	5030.7	3442.8	3658.0	4042.0	3867.7	3513.6	3140.5	2840.9	2808.2
55°	18123.7	14487.6	4167.3	3116.0	3456.4	3903.1	3783.3	3391.1	2898.1	2579.4	2552.1
57.5°	18603.1	14280.5	3448.2	2794.6	3178.6	3674.3	3638.9	3129.6	2609.3	2364.2	2331.5
60°	18396.1	13441.6	2859.9	2514.0	2914.4	3426.5	3388.3	2870.8	2388.7	2157.2	2124.5
62.5°	17254.9	11842.8	2394.2	2268.9	2674.7	3173.2	3137.7	2672.0	2219.8	1996.5	1961.1
65°	14956.0	9633.9	2031.9	2064.6	2432.3	2868.1	2919.8	2505.8	2086.4	1868.5	1833.1
67.5°	11407.0	6978.2	1748.6	1887.5	2195.3	2568.5	2718.3	2386.0	1974.7	1767.7	1735.0
70°	6501.6	3963.0	1508.9	1716.0	1985.6	2290.7	2563.0	2290.7	1854.9	1683.3	1661.5
72.5°	2465.0	1819.5	1304.7	1544.4	1784.0	2056.4	2391.4	2140.9	1716.0	1587.9	1566.1
75°	1315.6	1108.6	1097.7	1342.8	1552.5	1827.6	2176.3	1993.8	1612.5	1677.8	1732.3
77.5°	896.1	784.4	917.9	1149.4	1299.2	1574.3	1947.5	1770.4	1397.3	1391.8	1282.9
80°	621.0	555.6	746.3	926.1	1005.1	1323.7	1699.6	1519.8	1138.5	1062.3	1016.0
82.5°	373.2	362.3	558.4	691.8	710.9	1021.4	1408.2	1274.7	931.5	811.7	817.1
85°	204.3	215.2	356.8	405.8	414.0	713.6	1103.1	986.0	716.3	601.9	607.4
87.5°	57.2	73.5	130.7	160.7	198.8	370.4	656.4	585.6	359.5	250.6	250.6
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)