

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: P952700

Luminaire Tested: **GALN-SB6C-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38019 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 300.9
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

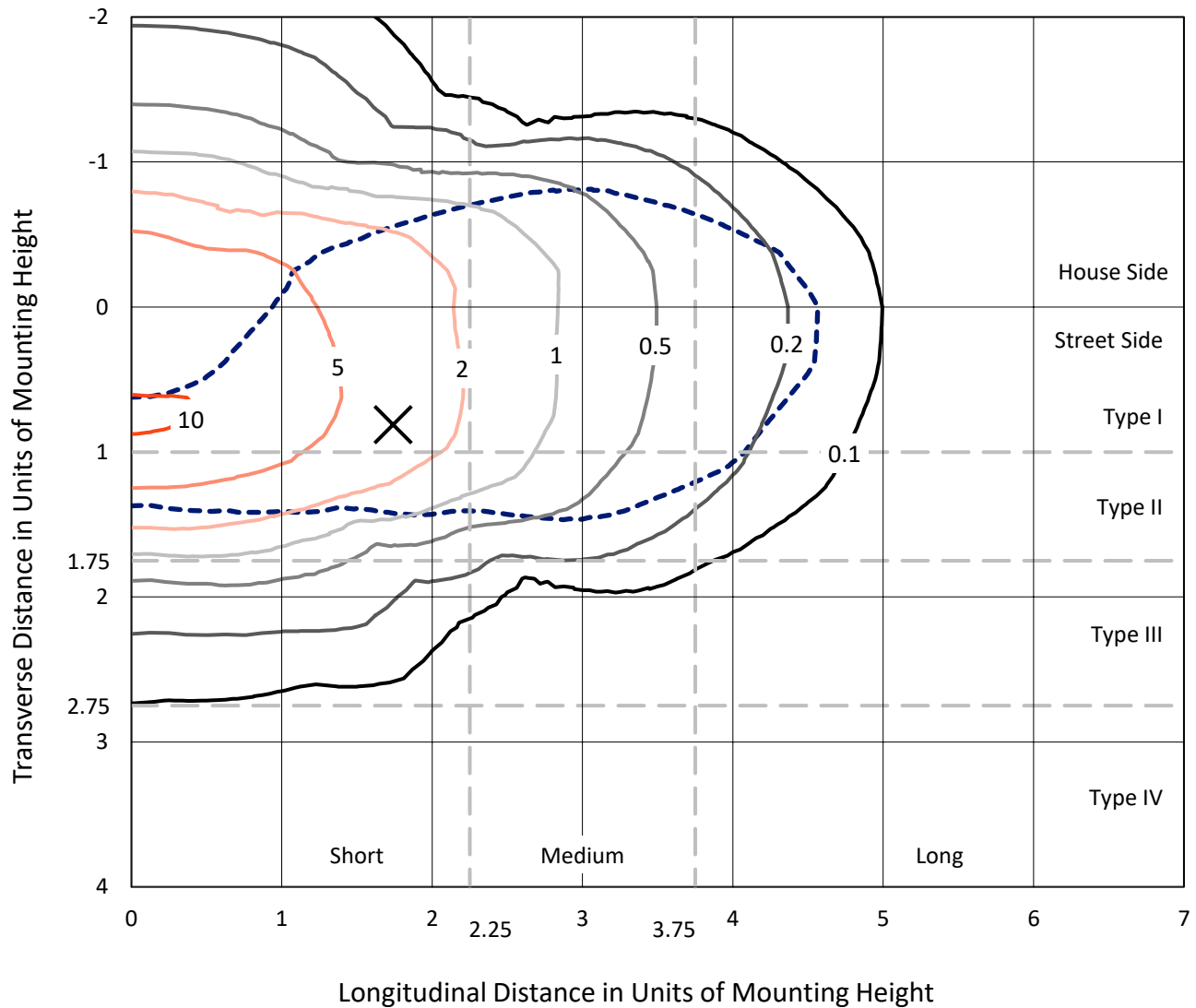


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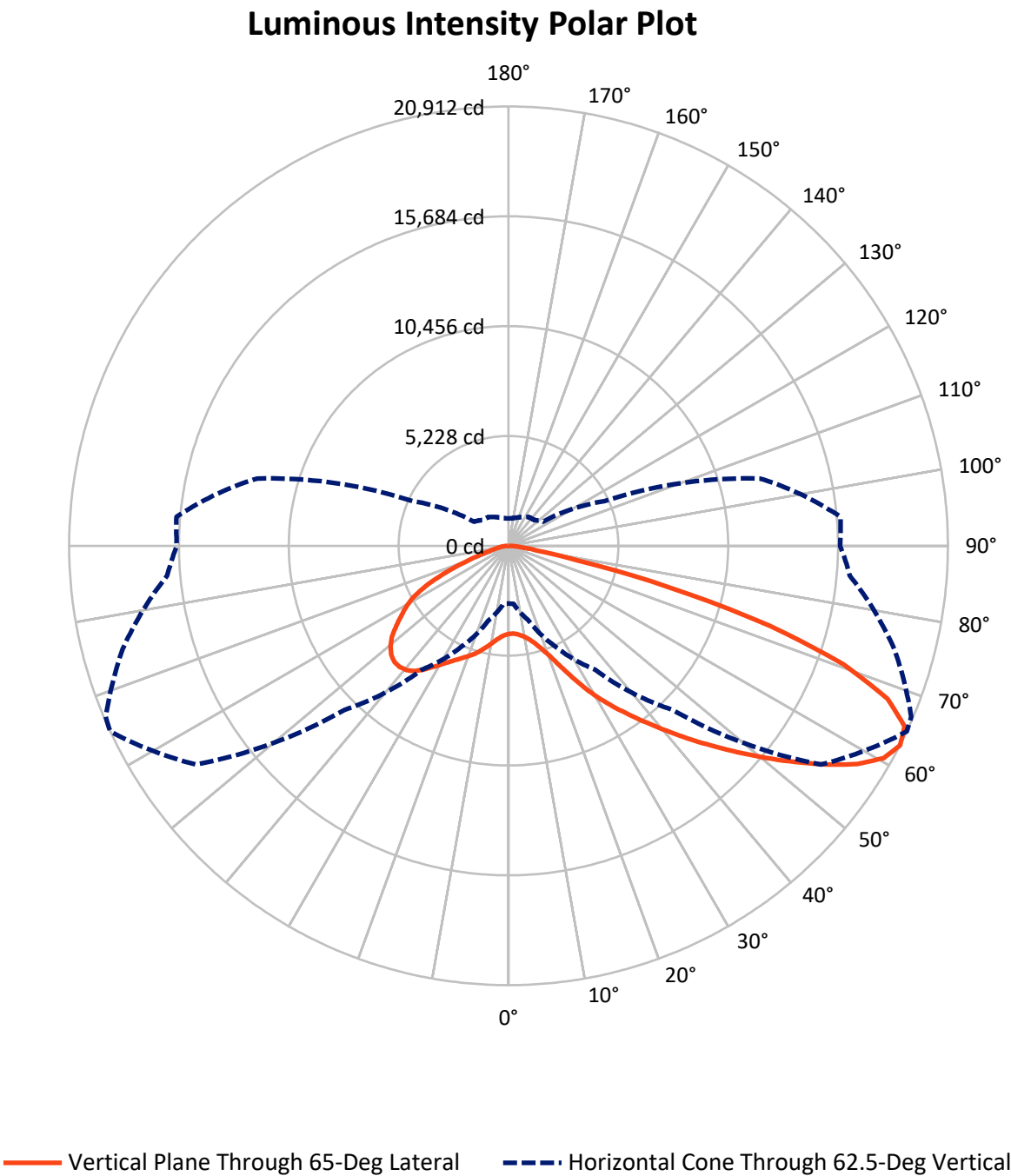
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
Type II - Short - N/A

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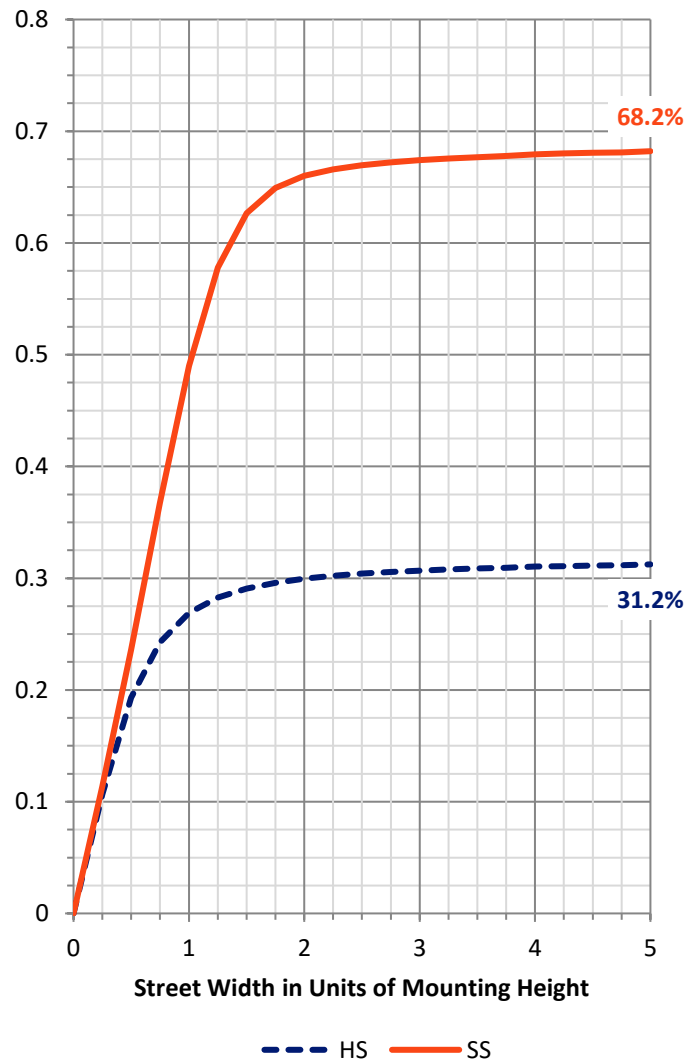
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11997.1	0.0	11997.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	26021.9	0.0	26021.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	38019.0	0.0	38019.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.7	1.1
10°-20°	1416.4	3.7
20°-30°	2872.0	7.6
30°-40°	4969.9	13.1
40°-50°	7521.0	19.8
50°-60°	8817.8	23.2
60°-70°	7392.7	19.4
70°-80°	4081.4	10.7
80°-90°	530.2	1.4
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°	38019.0	100.0
0°-180°	38019.0	100.0

Coefficient of Utilization



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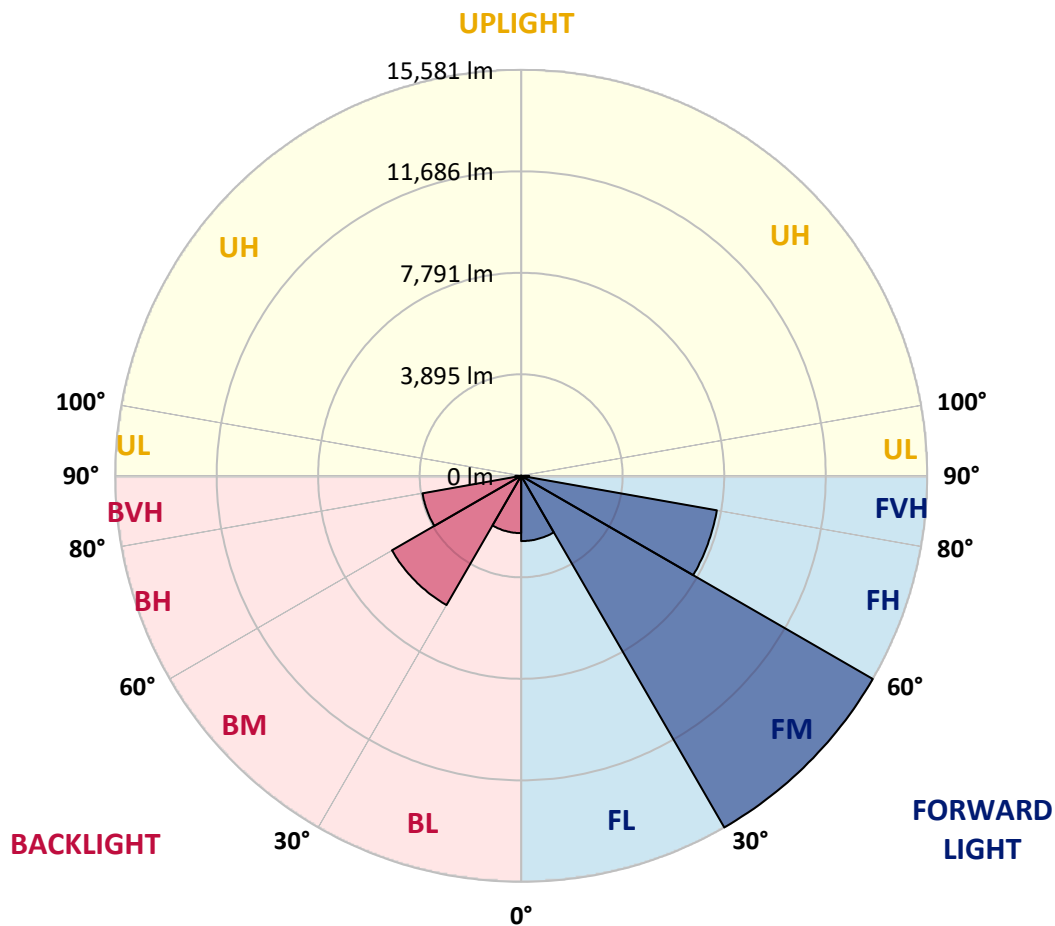
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2506.0	6.6			
FM	(30°-60°)	15581.4	41.0			
FH	(60°-80°)	7625.5	20.1			G4/12000
FVH	(80°-90°)	309.0	0.8			G3/500
BL	(0°-30°)	2200.1	5.8	B3/2500		
BM	(30°-60°)	5727.3	15.1	B4/8500		
BH	(60°-80°)	3848.6	10.1	B4/5000		G4/5000
BVH	(80°-90°)	221.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5
2.5°	4161.9	4150.1	4159.9	4159.9	4163.9	4161.9	4175.7	4179.7	4185.6	4197.4	4197.4
5°	4120.5	4118.5	4136.3	4152.1	4167.8	4181.6	4199.4	4225.0	4229.0	4242.8	4260.5
7.5°	4106.7	4094.9	4122.5	4142.2	4179.7	4213.2	4260.5	4303.9	4321.7	4327.6	4361.1
10°	4213.2	4193.5	4219.1	4231.0	4262.5	4296.0	4351.3	4420.3	4440.0	4463.7	4501.2
12.5°	4394.7	4373.0	4410.4	4428.2	4457.8	4487.4	4524.8	4591.9	4601.8	4645.2	4680.7
15°	4643.2	4617.6	4641.2	4662.9	4712.2	4739.8	4777.3	4842.4	4842.4	4875.9	4901.6
17.5°	4980.5	4947.0	4964.7	4972.6	5004.2	5045.6	5108.7	5165.9	5195.5	5183.7	5148.1
20°	5483.5	5442.0	5442.0	5402.6	5390.8	5424.3	5507.1	5586.0	5617.6	5556.5	5469.7
22.5°	6238.9	6179.8	6146.2	6012.1	5958.8	5962.8	6045.6	6142.3	6167.9	6059.4	5864.2
25°	7199.5	7106.8	7061.4	6864.2	6743.9	6639.3	6704.4	6828.7	6864.2	6730.1	6414.5
27.5°	8160.1	8166.0	8122.6	7885.9	7686.7	7495.4	7461.9	7592.0	7629.5	7477.6	7087.1
30°	9507.3	9367.3	9284.4	9000.4	8716.4	8448.1	8310.0	8363.3	8373.1	8191.7	7738.0
32.5°	10669.1	10633.6	10456.1	10207.5	9842.6	9422.5	9191.7	9106.9	9091.1	8832.7	8294.2
35°	11992.6	11972.9	11785.5	11489.6	11095.2	10511.3	10095.1	9852.5	9832.8	9469.8	8844.6
37.5°	13337.9	13337.9	13154.4	12830.9	12422.6	11692.8	11059.6	10675.0	10611.9	10138.5	9404.7
40°	14410.9	14345.8	14379.3	14243.2	13775.7	13000.6	12130.7	11572.5	11487.7	10919.6	10000.4
42.5°	15020.4	14998.7	15199.9	15351.7	15160.4	14541.1	13310.2	12544.9	12426.6	11779.6	10686.8
45°	15156.5	15132.8	15491.8	16048.0	16316.3	16061.8	14592.3	13568.6	13424.6	12679.0	11422.6
47.5°	14842.8	14795.5	15322.2	16199.9	17059.9	17507.7	15981.0	14679.1	14470.0	13554.8	12178.0
50°	13900.0	13854.6	14651.5	15817.2	17310.4	18489.9	17487.9	15856.7	15537.2	14493.7	12941.4
52.5°	11850.6	11872.3	13120.9	14722.5	16981.0	19101.4	18785.8	17097.4	16712.7	15454.3	13657.4
55°	9231.2	9278.5	10813.1	12576.5	15663.4	19008.7	19671.5	18375.5	17992.9	16357.7	14397.1
57.5°	6609.8	6818.8	8256.8	10002.4	13132.7	17539.2	19864.8	19590.6	19219.8	17343.9	15121.0
60°	4284.2	4321.7	5801.0	7560.5	10000.4	14927.7	19472.2	20511.7	20221.8	18349.9	15726.5
62.5°	2745.7	2771.3	3672.7	5288.2	7197.5	11043.9	18150.7	20912.1	20823.4	19014.6	16308.4
65°	2017.8	1998.1	2467.6	3495.2	4848.3	6810.9	15584.5	20718.8	20894.4	19430.8	16789.7
67.5°	1684.5	1656.9	1887.7	2420.2	3572.1	3868.0	11531.1	19462.4	20105.4	19383.5	17142.7
70°	1534.6	1510.9	1651.0	1796.9	2787.1	2589.9	5812.9	16919.9	17910.0	18845.0	17085.5
72.5°	1299.9	1258.4	1449.8	1595.7	2167.7	1986.3	2402.5	12996.6	14203.8	17119.1	16280.8
75°	1007.9	980.3	1144.0	1404.4	1629.3	1550.4	1518.8	7891.9	9209.5	13239.2	14243.2
77.5°	798.9	761.4	911.3	1094.7	1465.5	1169.7	1106.6	3398.6	4704.3	8452.0	10657.3
80°	601.6	568.1	692.3	865.9	1126.3	881.7	716.0	1386.6	1773.3	4282.2	5359.2
82.5°	428.0	398.4	483.3	635.1	757.4	791.0	439.9	777.2	873.8	1651.0	1197.3
85°	274.2	256.4	323.5	398.4	481.3	508.9	268.3	406.3	445.8	680.5	499.0
87.5°	149.9	122.3	173.6	185.4	222.9	203.2	128.2	147.9	159.8	246.6	211.1
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°	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5	4189.5
2.5°	4205.3	4211.2	4231.0	4236.9	4250.7	4268.4	4280.3	4292.1	4292.1	4303.9	4303.9
5°	4262.5	4276.3	4317.7	4339.4	4374.9	4410.4	4432.1	4457.8	4473.6	4481.5	4485.4
7.5°	4373.0	4394.7	4453.8	4491.3	4552.5	4601.8	4635.3	4670.8	4678.7	4700.4	4692.5
10°	4522.9	4548.5	4615.6	4686.6	4759.6	4820.7	4852.3	4877.9	4887.8	4891.7	4881.9
12.5°	4694.5	4732.0	4818.7	4905.5	4982.5	5035.7	5043.6	5037.7	5010.1	4986.4	4986.4
15°	4905.5	4939.1	5035.7	5130.4	5205.4	5215.2	5165.9	5134.3	5100.8	5094.9	5094.9
17.5°	5158.0	5175.8	5264.5	5357.2	5363.1	5329.6	5256.6	5227.0	5195.5	5173.8	5175.8
20°	5451.9	5446.0	5509.1	5548.6	5507.1	5404.6	5294.1	5244.8	5213.2	5187.6	5189.6
22.5°	5803.0	5757.6	5749.8	5739.9	5629.4	5414.4	5264.5	5201.4	5152.1	5116.6	5128.4
25°	6313.9	6140.3	6020.0	5952.9	5704.4	5361.2	5169.8	5029.8	4937.1	4875.9	4899.6
27.5°	6953.0	6661.0	6357.3	6193.6	5704.4	5252.7	4941.0	4714.2	4562.3	4499.2	4530.8
30°	7562.5	7256.7	6809.0	6483.5	5690.6	5075.2	4572.2	4256.6	4079.1	4016.0	4053.4
32.5°	8083.2	7749.8	7288.3	6801.1	5657.0	4787.2	4114.6	3765.4	3593.8	3518.9	3556.4
35°	8566.4	8211.4	7769.6	7150.2	5568.3	4365.1	3611.6	3345.3	3154.0	3033.7	3073.1
37.5°	9061.5	8639.4	8225.2	7465.8	5408.5	3872.0	3225.0	2998.2	2773.3	2611.6	2654.9
40°	9600.0	9095.1	8712.4	7653.2	5146.2	3402.5	2925.2	2718.1	2479.4	2307.8	2341.3
42.5°	10229.2	9641.4	9254.8	7749.8	4787.2	3069.2	2729.9	2526.7	2301.9	2161.8	2189.4
45°	10886.1	10243.0	9749.9	7747.9	4386.8	2913.3	2666.8	2465.6	2217.1	2071.1	2094.8
47.5°	11574.5	10872.3	10178.0	7621.6	4039.6	2935.0	2631.3	2333.4	2059.3	1917.2	1937.0
50°	12264.8	11560.7	10592.2	7384.9	3891.7	2887.7	2499.1	2148.0	1824.5	1696.3	1704.2
52.5°	12949.3	12292.4	10949.2	7047.6	3741.8	2712.1	2329.5	1907.4	1727.9	1639.1	1639.1
55°	13637.7	13016.3	11337.8	6556.5	3367.0	2507.0	2045.5	1816.6	1651.0	1570.1	1562.2
57.5°	14328.0	13852.7	11706.6	6065.3	2895.6	2254.5	1889.6	1706.2	1574.0	1505.0	1493.2
60°	15046.0	14809.3	12087.3	5613.7	2430.1	1931.0	1775.2	1617.4	1483.3	1406.4	1400.5
62.5°	15785.7	15862.6	12385.1	5031.8	2002.1	1733.8	1672.7	1510.9	1380.7	1307.7	1305.8
65°	16531.3	16878.4	12580.4	4225.0	1623.3	1546.4	1562.2	1394.5	1262.4	1199.3	1197.3
67.5°	17093.4	17610.2	12525.2	3197.4	1331.4	1368.9	1424.1	1272.2	1148.0	1098.7	1100.6
70°	17156.6	17523.4	11980.8	2189.4	1114.4	1195.3	1270.3	1151.9	1023.7	988.2	990.2
72.5°	16316.3	16340.0	10464.0	1430.0	942.8	1049.4	1108.5	1029.6	905.4	869.9	867.9
75°	14113.0	13513.4	7682.8	942.8	789.0	901.4	956.6	901.4	781.1	789.0	761.4
77.5°	10692.8	9570.4	4664.9	670.6	658.8	757.4	832.4	792.9	690.4	775.2	682.5
80°	5509.1	5177.7	2081.0	501.0	520.7	605.5	684.4	633.2	546.4	520.7	475.4
82.5°	1262.4	1467.5	820.5	359.0	376.7	435.9	522.7	475.4	392.5	331.4	327.4
85°	441.8	483.3	362.9	224.9	220.9	272.2	355.0	317.6	266.3	213.0	224.9
87.5°	140.0	183.4	136.1	90.7	94.7	122.3	163.7	149.9	124.3	80.9	84.8
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)