

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: P954128

Luminaire Tested: **GALN-SB7C-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954128
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-SB7C-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 44587 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 350.5
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

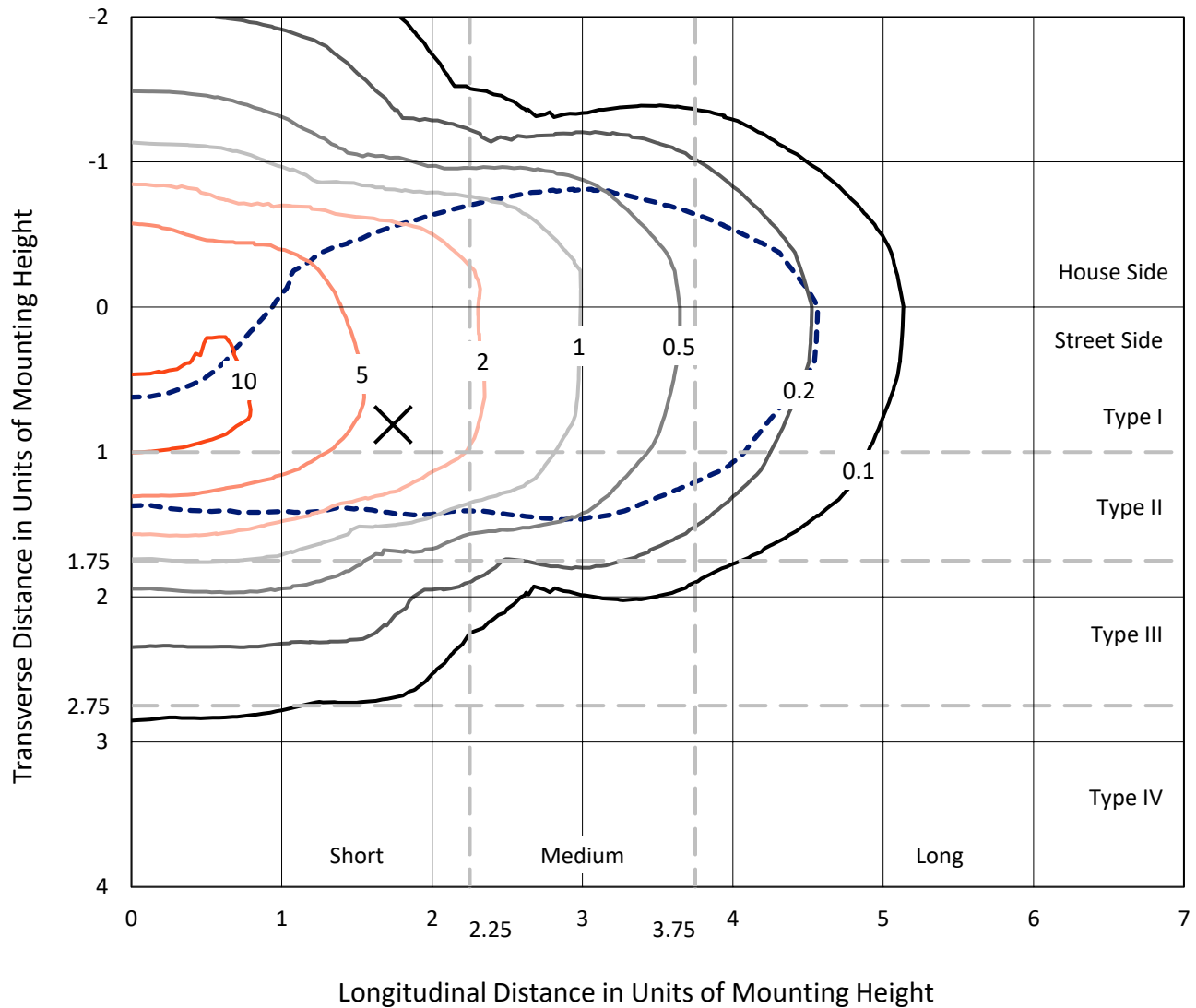


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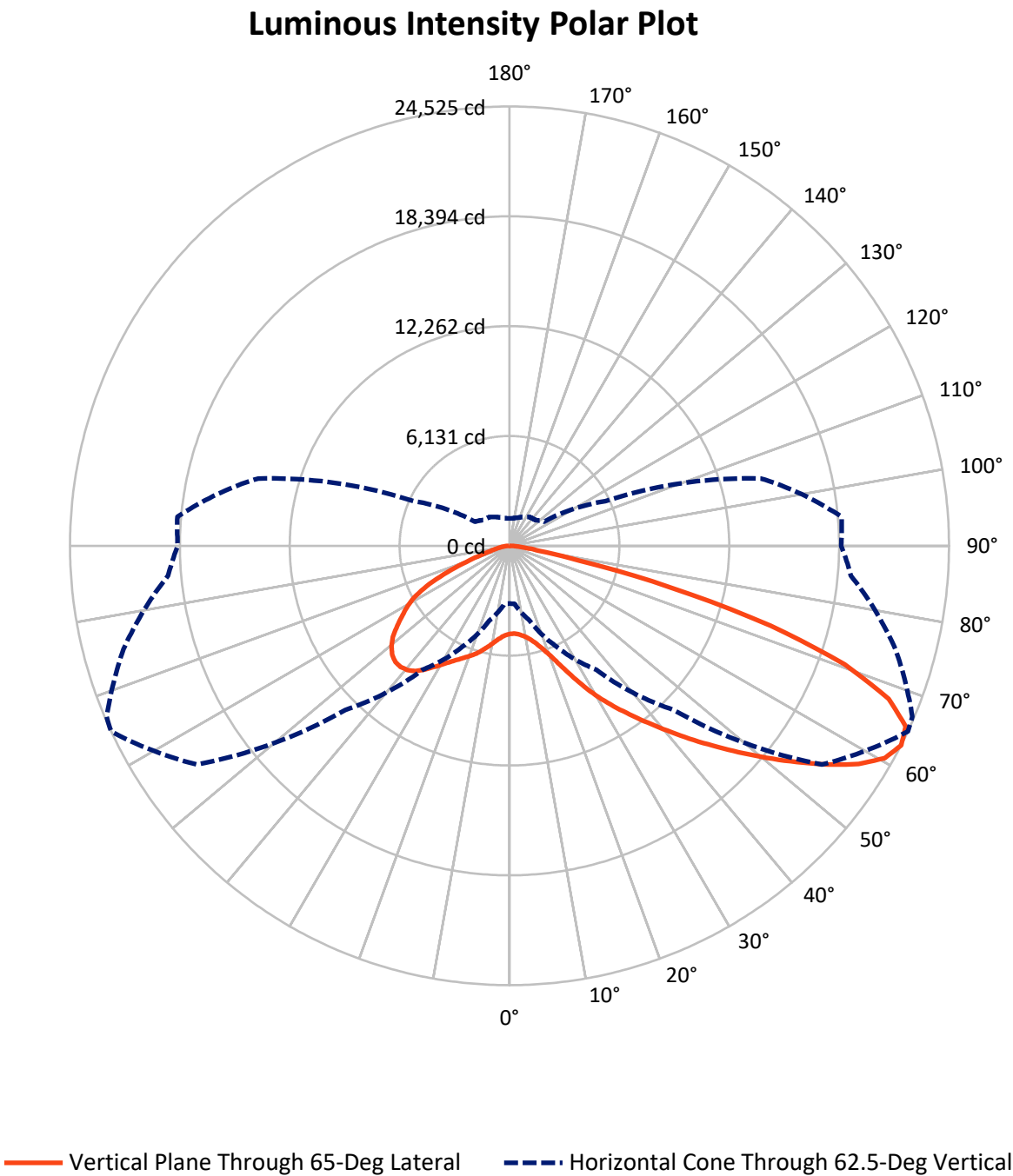
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
Type II - Short - N/A

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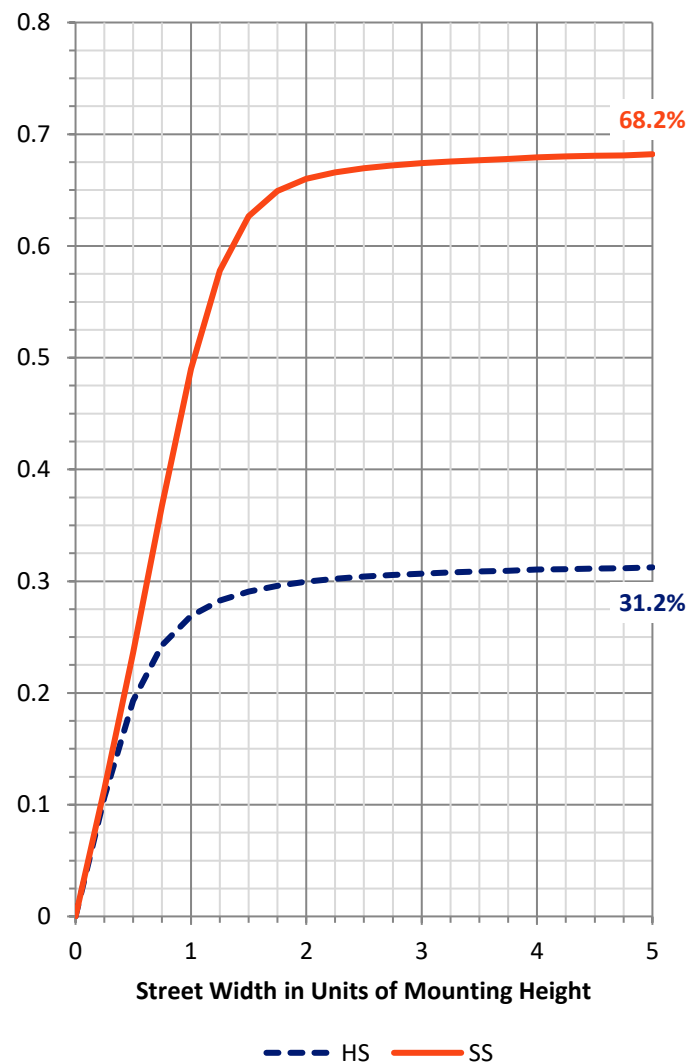
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14069.7	0.0	14069.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	30517.3	0.0	30517.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	44587.0	0.0	44587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.9	1.1
10°-20°	1661.1	3.7
20°-30°	3368.1	7.6
30°-40°	5828.4	13.1
40°-50°	8820.3	19.8
50°-60°	10341.2	23.2
60°-70°	8669.8	19.4
70°-80°	4786.4	10.7
80°-90°	621.7	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°	44587.0	100.0
0°-180°	44587.0	100.0

Coefficient of Utilization



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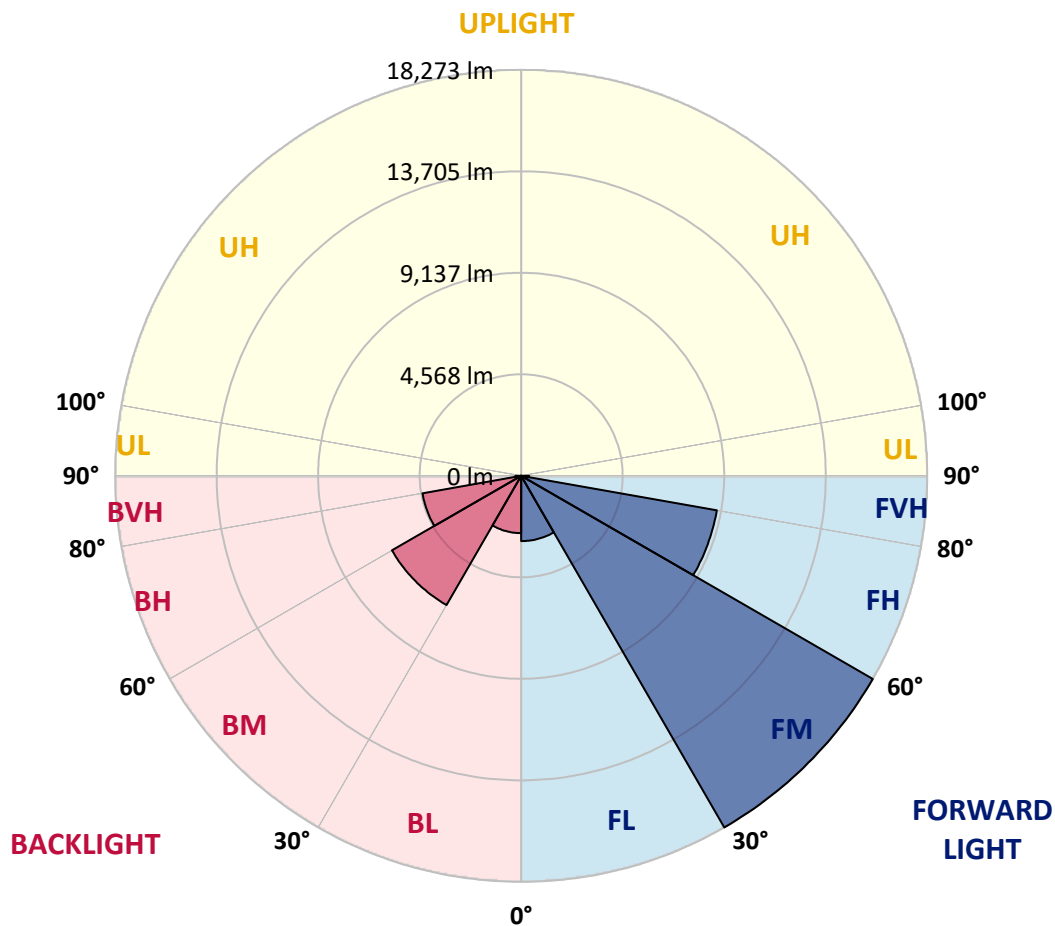
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2938.9	6.6			
FM	(30°-60°)	18273.2	41.0			
FH	(60°-80°)	8942.8	20.1			G4/12000
FVH	(80°-90°)	362.4	0.8			G3/500
BL	(0°-30°)	2580.2	5.8	B4/5000		
BM	(30°-60°)	6716.7	15.1	B4/8500		
BH	(60°-80°)	4513.4	10.1	B4/5000		G4/5000
BVH	(80°-90°)	259.4	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-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3
2.5°	4880.9	4867.0	4878.6	4878.6	4883.2	4880.9	4897.1	4901.7	4908.7	4922.5	4922.5
5°	4832.3	4830.0	4850.8	4869.3	4887.8	4904.0	4924.9	4954.9	4959.6	4975.8	4996.6
7.5°	4816.1	4802.3	4834.6	4857.8	4901.7	4941.1	4996.6	5047.5	5068.3	5075.2	5114.5
10°	4941.1	4917.9	4948.0	4961.9	4998.9	5038.2	5103.0	5183.9	5207.1	5234.8	5278.8
12.5°	5153.9	5128.4	5172.4	5193.2	5227.9	5262.6	5306.5	5385.2	5396.8	5447.6	5489.3
15°	5445.3	5415.3	5443.0	5468.5	5526.3	5558.7	5602.6	5679.0	5679.0	5718.3	5748.4
17.5°	5840.9	5801.6	5822.4	5831.6	5868.7	5917.2	5991.3	6058.3	6093.0	6079.2	6037.5
20°	6430.8	6382.2	6382.2	6335.9	6322.0	6361.4	6458.5	6551.1	6588.1	6516.4	6414.6
22.5°	7316.7	7247.3	7208.0	7050.7	6988.3	6992.9	7090.0	7203.4	7233.5	7106.2	6877.2
25°	8443.3	8334.6	8281.4	8050.0	7908.9	7786.3	7862.7	8008.4	8050.0	7892.7	7522.6
27.5°	9569.8	9576.8	9525.9	9248.3	9014.6	8790.3	8750.9	8903.6	8947.6	8769.4	8311.4
30°	11149.8	10985.5	10888.4	10555.3	10222.1	9907.6	9745.6	9808.1	9819.6	9606.8	9074.8
32.5°	12512.2	12470.6	12262.4	11970.9	11543.0	11050.3	10779.6	10680.2	10661.7	10358.6	9727.1
35°	14064.4	14041.3	13821.5	13474.5	13011.9	12327.2	11839.1	11554.6	11531.4	11105.8	10372.5
37.5°	15642.0	15642.0	15426.9	15047.5	14568.7	13712.8	12970.3	12519.2	12445.2	11890.0	11029.5
40°	16900.4	16824.1	16863.4	16703.8	16155.6	15246.5	14226.3	13571.7	13472.2	12806.0	11728.1
42.5°	17615.2	17589.8	17825.7	18003.8	17779.5	17053.1	15609.7	14712.1	14573.3	13814.6	12533.1
45°	17774.8	17747.1	18168.1	18820.4	19135.0	18836.6	17113.3	15912.7	15743.8	14869.4	13395.9
47.5°	17407.0	17351.5	17969.1	18998.5	20007.1	20532.2	18741.8	17215.0	16969.8	15896.5	14281.9
50°	16301.3	16248.1	17182.6	18549.8	20300.9	21684.2	20509.1	18596.0	18221.3	16997.6	15177.1
52.5°	13897.9	13923.3	15387.6	17265.9	19914.6	22401.3	22031.2	20051.1	19600.0	18124.1	16016.8
55°	10825.9	10881.4	12681.1	14749.1	18369.3	22292.6	23069.8	21550.0	21101.3	19183.6	16884.2
57.5°	7751.6	7996.8	9683.2	11730.4	15401.5	20569.2	23296.5	22975.0	22540.1	20340.2	17733.2
60°	5024.3	5068.3	6803.2	8866.6	11728.1	17506.5	22836.2	24055.2	23715.2	21520.0	18443.4
62.5°	3220.0	3250.1	4307.2	6201.8	8441.0	12951.8	21286.3	24524.8	24420.7	22299.5	19125.8
65°	2366.4	2343.3	2893.8	4099.0	5685.9	7987.6	18276.8	24298.1	24504.0	22787.6	19690.2
67.5°	1975.5	1943.1	2213.8	2838.3	4189.3	4536.2	13523.1	22824.6	23578.7	22732.1	20104.3
70°	1799.7	1771.9	1936.2	2107.3	3268.6	3037.3	6817.1	19842.9	21004.1	22100.6	20037.2
72.5°	1524.4	1475.8	1700.2	1871.4	2542.2	2329.4	2817.5	15241.9	16657.5	20076.5	19093.4
75°	1182.1	1149.7	1341.7	1647.0	1910.7	1818.2	1781.2	9255.2	10800.5	15526.4	16703.8
77.5°	936.9	892.9	1068.7	1283.8	1718.7	1371.7	1297.7	3985.7	5517.0	9912.2	12498.4
80°	705.5	666.2	811.9	1015.5	1320.9	1034.0	839.7	1626.2	2079.6	5022.0	6285.0
82.5°	502.0	467.3	566.7	744.9	888.3	927.6	515.8	911.4	1024.8	1936.2	1404.1
85°	321.5	300.7	379.4	467.3	564.4	596.8	314.6	476.5	522.8	798.1	585.2
87.5°	175.8	143.4	203.6	217.4	261.4	238.3	150.4	173.5	187.4	289.2	247.5
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°	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3
2.5°	4931.8	4938.7	4961.9	4968.8	4985.0	5005.8	5019.7	5033.6	5033.6	5047.5	5047.5
5°	4998.9	5015.1	5063.7	5089.1	5130.7	5172.4	5197.8	5227.9	5246.4	5255.7	5260.3
7.5°	5128.4	5153.9	5223.3	5267.2	5338.9	5396.8	5436.1	5477.7	5487.0	5512.4	5503.2
10°	5304.2	5334.3	5413.0	5496.2	5581.8	5653.5	5690.5	5720.6	5732.2	5736.8	5725.2
12.5°	5505.5	5549.4	5651.2	5753.0	5843.2	5905.7	5914.9	5908.0	5875.6	5847.8	5847.8
15°	5753.0	5792.3	5905.7	6016.7	6104.6	6116.2	6058.3	6021.3	5982.0	5975.1	5975.1
17.5°	6049.1	6069.9	6174.0	6282.7	6289.7	6250.3	6164.7	6130.1	6093.0	6067.6	6069.9
20°	6393.8	6386.8	6460.8	6507.1	6458.5	6338.2	6208.7	6150.9	6113.9	6083.8	6086.1
22.5°	6805.5	6752.3	6743.1	6731.5	6601.9	6349.8	6174.0	6100.0	6042.1	6000.5	6014.4
25°	7404.6	7201.1	7060.0	6981.3	6689.9	6287.4	6063.0	5898.7	5790.0	5718.3	5746.1
27.5°	8154.1	7811.8	7455.5	7263.5	6689.9	6160.1	5794.6	5528.6	5350.5	5276.5	5313.5
30°	8868.9	8510.4	7985.3	7603.6	6673.7	5951.9	5362.1	4991.9	4783.8	4709.7	4753.7
32.5°	9479.6	9088.7	8547.4	7976.0	6634.3	5614.2	4825.4	4416.0	4214.7	4126.8	4170.7
35°	10046.3	9630.0	9111.8	8385.4	6530.2	5119.2	4235.5	3923.2	3698.8	3557.7	3604.0
37.5°	10627.0	10131.9	9646.2	8755.6	6342.9	4540.9	3782.1	3516.1	3252.4	3062.7	3113.6
40°	11258.5	10666.3	10217.5	8975.3	6035.2	3990.3	3430.5	3187.6	2907.7	2706.5	2745.8
42.5°	11996.4	11307.1	10853.7	9088.7	5614.2	3599.4	3201.5	2963.2	2699.5	2535.3	2567.7
45°	12766.7	12012.6	11434.3	9086.4	5144.6	3416.6	3127.5	2891.5	2600.1	2428.9	2456.6
47.5°	13574.0	12750.5	11936.3	8938.3	4737.5	3442.1	3085.8	2736.5	2415.0	2248.5	2271.6
50°	14383.6	13557.8	12422.0	8660.7	4564.0	3386.6	2930.9	2519.1	2139.7	1989.4	1998.6
52.5°	15186.3	14416.0	12840.7	8265.2	4388.2	3180.7	2731.9	2236.9	2026.4	1922.3	1922.3
55°	15993.7	15265.0	13296.4	7689.2	3948.7	2940.1	2398.8	2130.5	1936.2	1841.3	1832.1
57.5°	16803.3	16245.8	13729.0	7113.2	3395.8	2644.0	2216.1	2000.9	1846.0	1765.0	1751.1
60°	17645.3	17367.7	14175.5	6583.4	2849.9	2264.6	2081.9	1896.8	1739.5	1649.3	1642.4
62.5°	18512.8	18603.0	14524.8	5901.0	2347.9	2033.3	1961.6	1771.9	1619.3	1533.7	1531.4
65°	19387.2	19794.3	14753.8	4954.9	1903.8	1813.6	1832.1	1635.5	1480.5	1406.4	1404.1
67.5°	20046.4	20652.5	14689.0	3749.7	1561.4	1605.4	1670.1	1492.0	1346.3	1288.5	1290.8
70°	20120.4	20550.7	14050.5	2567.7	1307.0	1401.8	1489.7	1350.9	1200.6	1158.9	1161.2
72.5°	19135.0	19162.8	12271.7	1677.1	1105.7	1230.6	1300.0	1207.5	1061.8	1020.1	1017.8
75°	16551.1	15847.9	9010.0	1105.7	925.3	1057.1	1121.9	1057.1	916.0	925.3	892.9
77.5°	12540.0	11223.8	5470.8	786.5	772.6	888.3	976.2	929.9	809.6	909.1	800.4
80°	6460.8	6072.2	2440.5	587.6	610.7	710.2	802.7	742.5	640.8	610.7	557.5
82.5°	1480.5	1721.0	962.3	421.0	441.8	511.2	613.0	557.5	460.3	388.6	384.0
85°	518.2	566.7	425.6	263.7	259.1	319.2	416.4	372.4	312.3	249.8	263.7
87.5°	164.2	215.1	159.6	106.4	111.0	143.4	192.0	175.8	145.7	94.8	99.5
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)