

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: P952335

Luminaire Tested: **GALN-SB6B-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
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-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27569 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
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

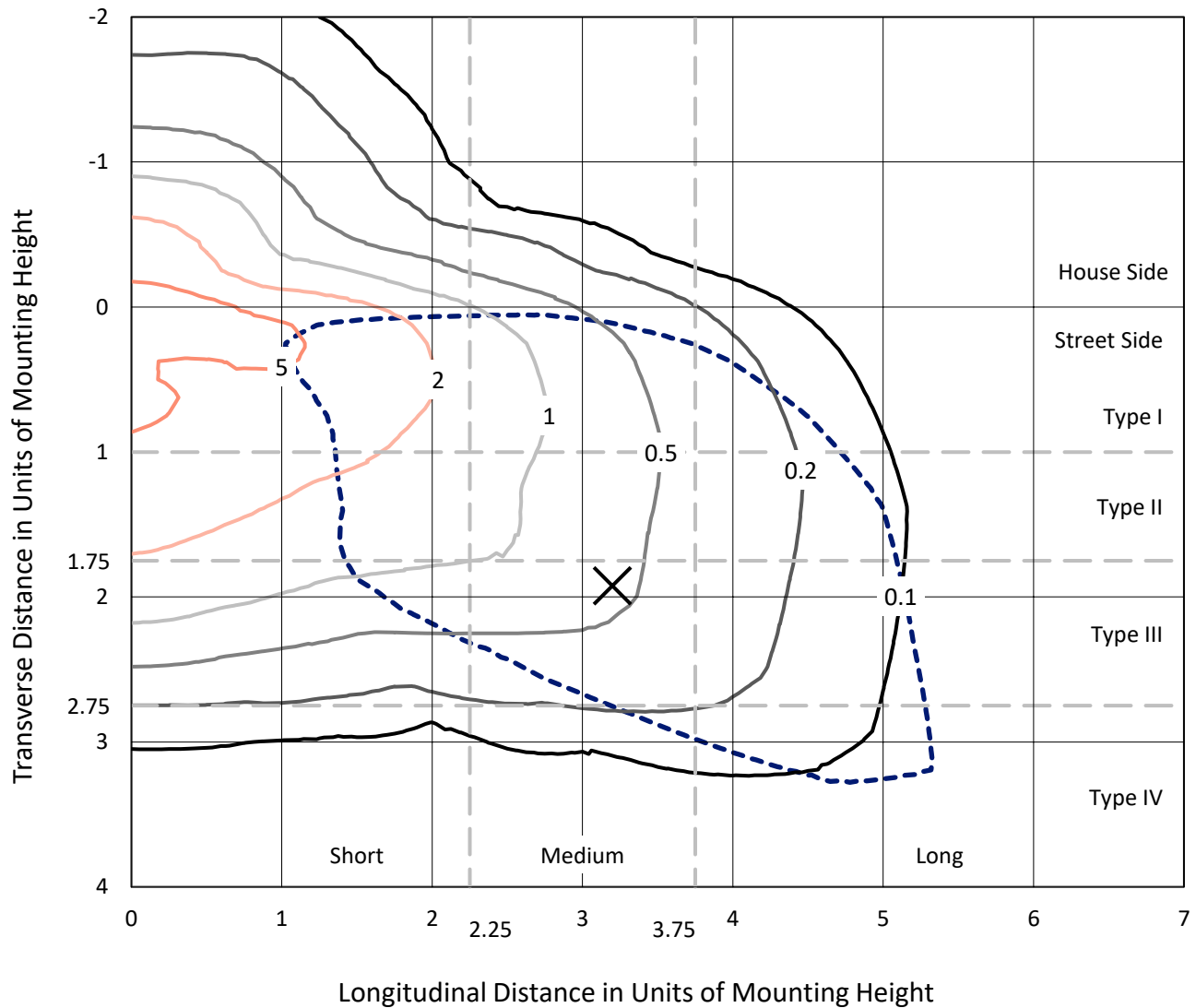


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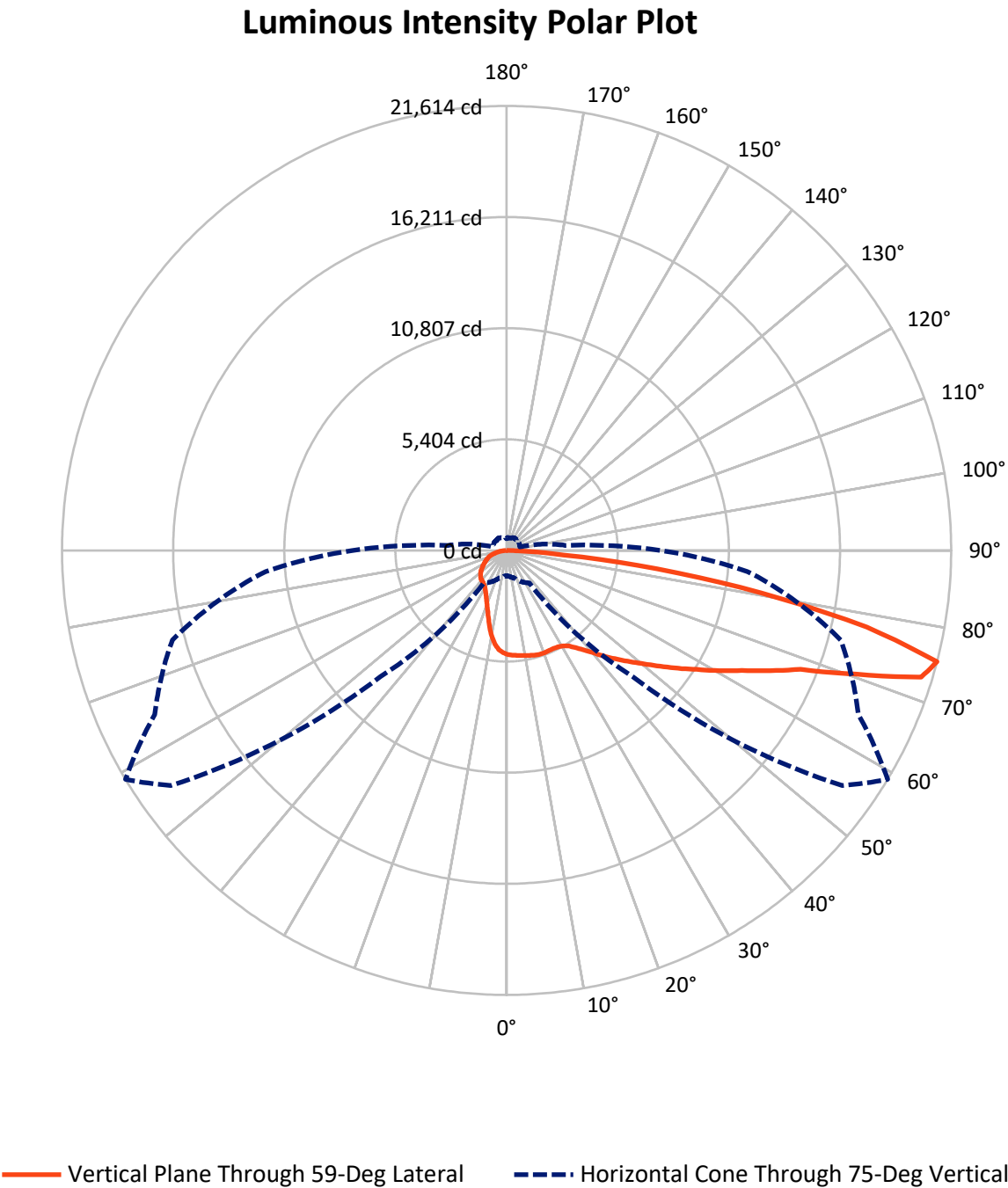
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type IV - Medium - N/A

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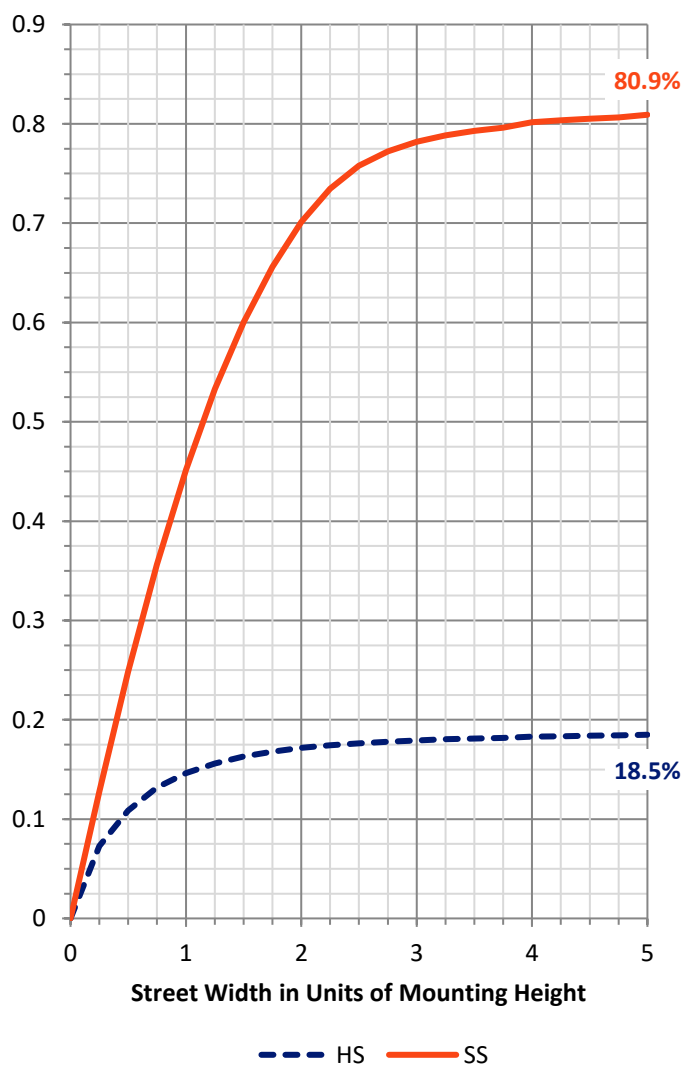
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5170.8	0.0	5170.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	22398.2	0.0	22398.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	27569.0	0.0	27569.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.7	1.6
10°-20°	1159.8	4.2
20°-30°	1761.6	6.4
30°-40°	2618.6	9.5
40°-50°	3894.3	14.1
50°-60°	5286.0	19.2
60°-70°	6453.3	23.4
70°-80°	5064.5	18.4
80°-90°	877.3	3.2
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°	27569.0	100.0
0°-180°	27569.0	100.0

Coefficient of Utilization



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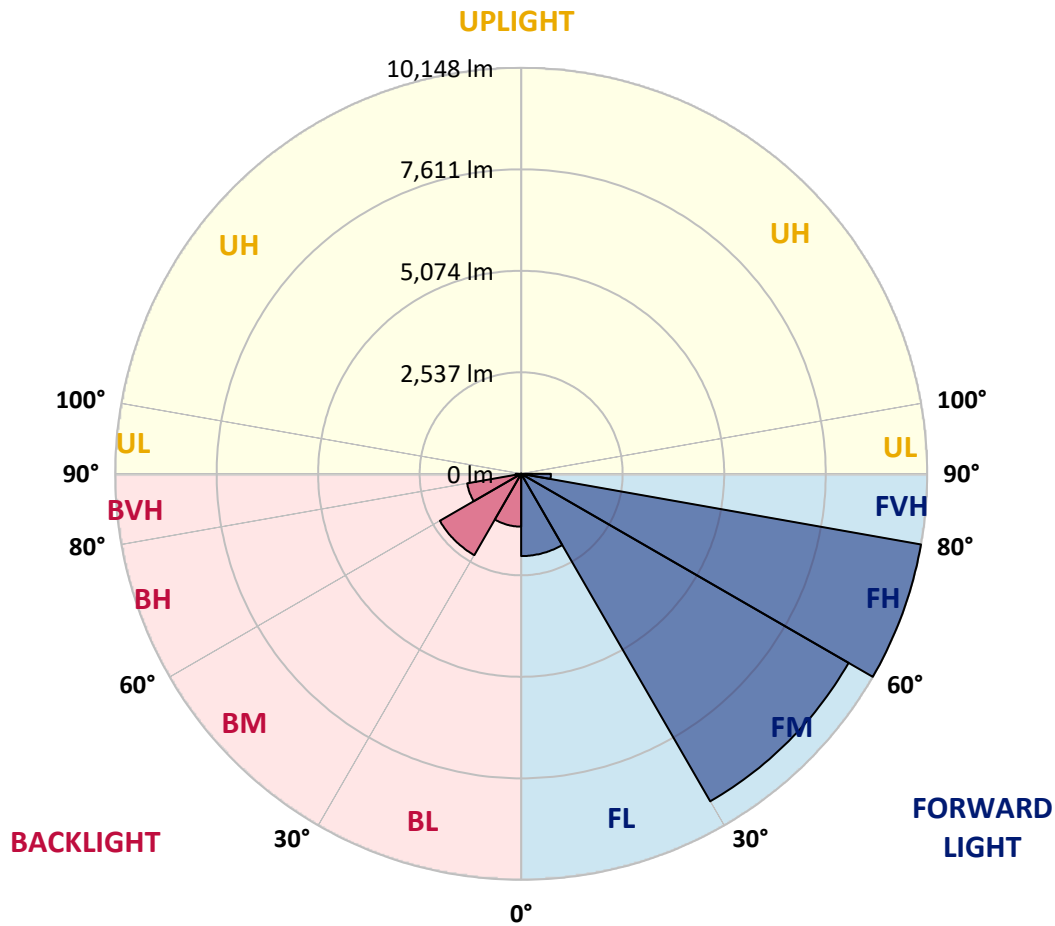
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2055.6	7.5			
FM	(30°-60°)	9451.8	34.3			
FH	(60°-80°)	10147.9	36.8			G4/12000
FVH	(80°-90°)	743.0	2.7			G4/750
BL	(0°-30°)	1319.5	4.8	B3/2500		
BM	(30°-60°)	2347.0	8.5	B2/2500		
BH	(60°-80°)	1369.9	5.0	B3/2500		G3/2500
BVH	(80°-90°)	134.3	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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2
2.5°	5103.2	5085.4	5103.2	5095.8	5092.9	5086.9	5088.4	5098.8	5092.9	5100.3	5075.1
5°	5069.1	5058.7	5076.5	5072.1	5091.4	5094.3	5113.6	5125.5	5132.9	5134.4	5115.1
7.5°	5012.8	5002.4	5027.6	5048.4	5089.9	5101.8	5141.8	5161.1	5171.5	5189.3	5161.1
10°	4806.6	4802.2	4864.5	4943.1	5040.9	5101.8	5162.6	5195.2	5211.5	5259.0	5226.3
12.5°	4441.8	4447.7	4529.3	4680.6	4876.3	5072.1	5186.3	5233.7	5259.0	5318.3	5303.5
15°	4093.3	4091.8	4180.8	4342.4	4616.8	4941.6	5198.2	5279.7	5322.7	5410.2	5398.4
17.5°	3891.6	3885.6	3947.9	4071.0	4326.1	4741.4	5168.5	5304.9	5396.9	5506.6	5496.3
20°	3854.5	3842.6	3875.3	3936.1	4117.0	4521.9	5091.4	5304.9	5456.2	5598.6	5592.6
22.5°	3989.5	3970.2	3956.8	3949.4	4029.5	4340.9	5003.9	5287.1	5543.7	5730.6	5720.2
25°	4260.9	4231.2	4163.0	4096.2	4072.5	4259.4	4926.8	5282.7	5674.2	5908.5	5870.0
27.5°	4699.8	4662.8	4524.8	4364.7	4220.8	4300.9	4892.6	5309.4	5818.1	6096.9	6019.8
30°	5244.1	5204.1	5030.6	4784.4	4526.3	4455.1	4935.7	5388.0	6002.0	6347.5	6196.3
32.5°	5732.1	5687.6	5539.3	5288.6	4940.1	4722.1	5072.1	5537.8	6291.2	6696.1	6461.7
35°	6165.1	6113.2	5979.7	5748.4	5447.3	5097.3	5318.3	5803.2	6702.0	7262.6	6822.1
37.5°	6589.3	6528.5	6383.1	6138.4	5927.8	5597.1	5657.9	6144.4	7247.8	7950.7	7299.7
40°	7063.9	6976.4	6799.9	6558.1	6353.5	6182.9	6104.3	6562.6	7802.4	8719.0	7895.9
42.5°	7523.6	7440.6	7230.0	7023.8	6767.2	6718.3	6621.9	7052.0	8409.0	9562.8	8500.9
45°	8018.9	7919.6	7664.5	7403.5	7241.8	7074.2	7123.2	7541.4	9003.7	10423.0	9135.7
47.5°	8483.1	8371.9	8070.9	7780.2	7691.2	7373.8	7582.9	8079.8	9622.1	11295.0	9764.5
50°	8733.8	8624.0	8373.4	8110.9	8041.2	7743.1	8081.2	8671.5	10270.2	12164.1	10368.1
52.5°	8942.9	8824.3	8496.5	8351.2	8330.4	8145.0	8695.2	9347.8	10918.3	12932.4	10951.0
55°	9165.4	9033.4	8615.1	8484.6	8579.5	8595.9	9423.4	10114.5	11603.5	13681.3	11501.2
57.5°	9421.9	9254.3	8729.3	8597.3	8822.8	9123.8	10259.9	10909.4	12276.8	14375.4	11990.6
60°	9663.7	9494.6	8948.8	8776.8	9085.3	9736.3	11219.4	11872.0	13039.1	14993.8	12453.3
62.5°	9711.1	9571.7	9123.8	9122.4	9441.2	10451.2	12355.4	12843.4	13705.0	15604.8	12868.6
65°	8889.5	8802.0	8536.5	9109.0	9951.4	11480.4	13620.5	14086.2	14551.9	16138.7	13233.4
67.5°	6765.8	6777.6	6758.3	7863.2	9539.1	12959.0	15452.1	15416.5	15597.4	16737.9	13653.1
70°	3093.7	3163.4	3617.2	5428.0	7642.3	13129.6	18480.5	18019.3	16909.9	17513.6	14016.5
72.5°	1671.4	1724.8	1910.2	2629.5	4594.5	11673.2	20743.7	21071.4	18655.5	18035.6	13617.5
75°	1226.5	1256.2	1385.2	1671.4	1929.5	8675.9	19932.4	21614.2	18873.5	16818.0	11759.2
77.5°	918.0	931.4	1036.7	1324.4	987.7	4573.8	15926.7	17900.6	16156.5	13817.7	8686.3
80°	665.9	680.7	759.3	993.7	692.6	1672.9	10936.1	12564.6	11065.2	8807.9	4329.1
82.5°	459.8	465.7	499.8	676.3	483.5	649.6	6205.2	7367.9	6177.0	3090.7	1168.7
85°	277.3	284.7	299.6	394.5	274.4	308.5	2678.4	2770.4	1846.4	738.6	363.4
87.5°	114.2	121.6	133.5	166.1	108.3	86.0	442.0	554.7	345.6	216.5	112.7
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°	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2	5060.2
2.5°	5067.6	5057.3	5029.1	4990.5	4954.9	4910.4	4891.2	4874.8	4860.0	4831.8	4818.5
5°	5098.8	5070.6	4995.0	4897.1	4785.9	4664.2	4545.6	4464.0	4394.3	4342.4	4299.4
7.5°	5146.2	5092.9	4954.9	4754.7	4499.6	4238.6	4002.8	3835.2	3709.2	3663.2	3583.1
10°	5195.2	5131.4	4891.2	4538.2	4097.7	3695.8	3382.9	3210.8	3110.0	3077.4	3026.9
12.5°	5253.0	5159.6	4791.8	4237.1	3648.3	3207.9	2935.0	2834.1	2782.2	2764.4	2768.9
15°	5337.6	5183.3	4642.0	3860.4	3219.7	2851.9	2675.5	2605.8	2579.1	2577.6	2583.5
17.5°	5401.3	5187.8	4409.2	3457.0	2890.5	2636.9	2491.6	2464.9	2482.7	2509.4	2519.7
20°	5472.5	5147.7	4103.6	3089.2	2659.1	2448.5	2387.7	2405.5	2448.5	2487.1	2500.5
22.5°	5522.9	5075.1	3734.4	2803.0	2458.9	2340.3	2337.3	2374.4	2398.1	2417.4	2427.8
25°	5567.4	4952.0	3342.8	2562.7	2294.3	2275.0	2307.7	2295.8	2279.5	2295.8	2306.2
27.5°	5600.1	4757.7	2992.8	2352.1	2178.6	2230.5	2211.3	2184.6	2183.1	2192.0	2206.8
30°	5589.7	4498.1	2705.1	2151.9	2097.1	2147.5	2101.5	2097.1	2092.6	2097.1	2113.4
32.5°	5589.7	4203.0	2484.1	2014.0	2045.2	2025.9	2021.4	2011.0	1993.2	1991.8	2011.0
35°	5620.8	3907.9	2294.3	1939.9	2002.1	1956.2	1959.1	1933.9	1896.8	1879.0	1896.8
37.5°	5684.6	3670.6	2106.0	1904.3	1926.5	1925.0	1913.2	1870.1	1804.9	1748.5	1767.8
40°	5838.8	3600.9	1976.9	1887.9	1890.9	1908.7	1877.6	1794.5	1646.2	1554.3	1566.1
42.5°	6080.6	3718.1	1948.8	1847.9	1867.2	1885.0	1824.2	1631.4	1526.1	1471.2	1471.2
45°	6387.6	3922.7	2009.6	1790.1	1810.8	1842.0	1661.0	1569.1	1521.6	1523.1	1530.5
47.5°	6776.1	4137.8	2122.3	1739.6	1729.3	1747.1	1552.8	1496.4	1431.2	1447.5	1489.0
50°	7225.5	4355.8	2229.1	1671.4	1638.8	1581.0	1483.1	1429.7	1346.6	1308.1	1318.4
52.5°	7712.0	4566.4	2272.1	1588.4	1540.9	1474.2	1435.6	1370.4	1269.5	1205.7	1204.3
55°	8173.2	4757.7	2224.6	1489.0	1443.0	1391.1	1385.2	1345.1	1236.9	1147.9	1147.9
57.5°	8609.2	4917.9	2106.0	1388.2	1343.7	1312.5	1352.6	1333.3	1196.8	1082.6	1076.7
60°	8978.5	5027.6	1933.9	1285.8	1254.7	1238.4	1299.2	1293.2	1140.5	1012.9	1008.5
62.5°	9272.1	5070.6	1744.1	1187.9	1180.5	1150.9	1225.0	1225.0	1069.3	944.7	940.3
65°	9502.0	5029.1	1551.3	1091.5	1106.4	1061.9	1134.5	1125.6	993.7	883.9	878.0
67.5°	9705.2	4892.6	1337.7	996.6	1030.7	974.4	1039.6	1018.9	910.6	823.1	817.2
70°	9795.7	4575.3	1094.5	901.7	943.2	888.4	944.7	906.2	817.2	757.8	746.0
72.5°	9069.0	3802.6	861.7	802.3	837.9	793.4	842.4	797.9	716.3	689.6	667.4
75°	7502.8	2853.4	662.9	694.1	720.8	686.7	719.3	686.7	612.5	631.8	576.9
77.5°	5448.8	1926.5	507.2	579.9	591.7	573.9	602.1	565.0	498.3	493.9	471.6
80°	2709.6	1128.6	397.5	458.3	453.8	442.0	474.6	456.8	400.4	424.2	419.7
82.5°	784.5	483.5	289.2	321.8	312.9	315.9	339.6	348.5	522.0	517.6	529.5
85°	246.2	189.8	173.5	179.5	170.6	175.0	200.2	397.5	367.8	215.0	232.8
87.5°	63.8	65.3	43.0	46.0	47.5	56.4	63.8	241.7	115.7	75.6	80.1
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)