

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: P950905

Luminaire Tested: **GALN-SB5B-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23356 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

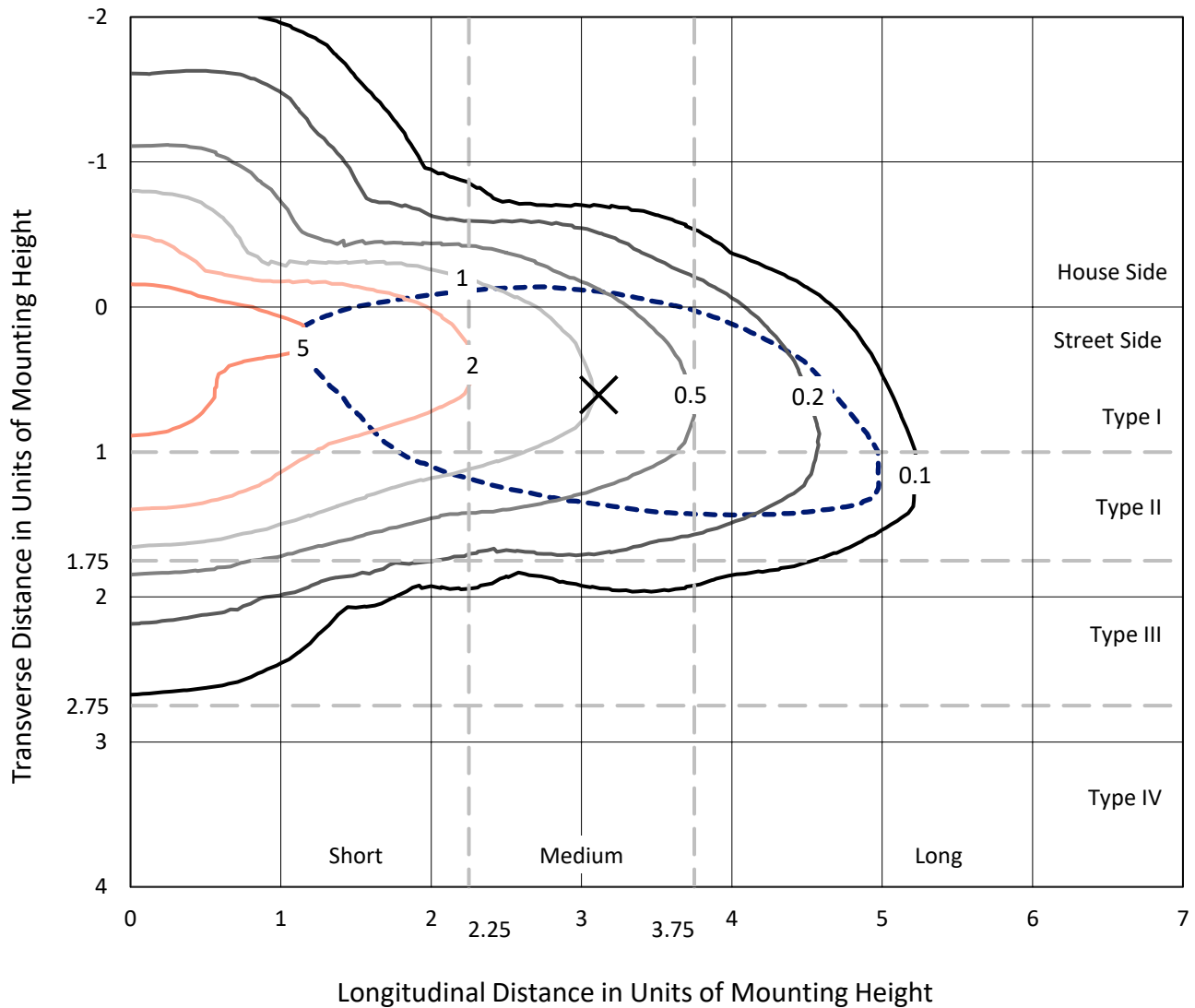
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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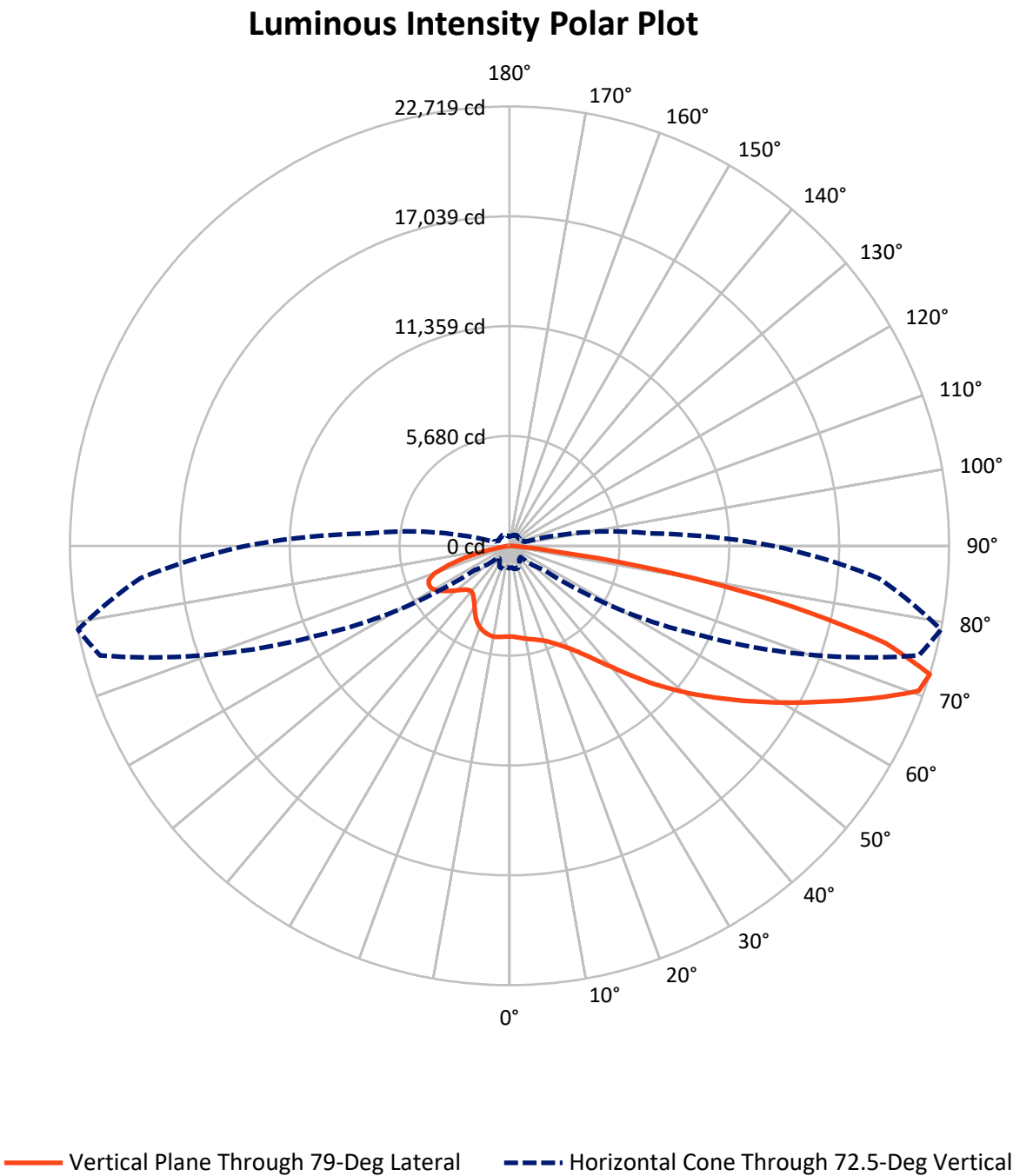
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Medium - N/A

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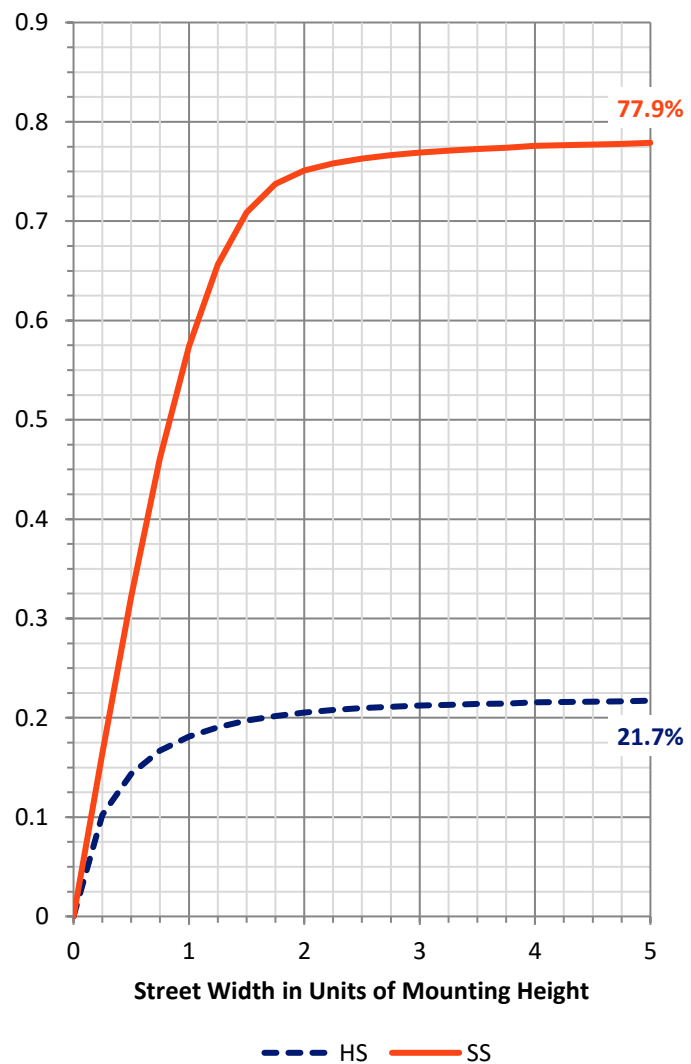
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5139.6	0.0	5139.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	18216.4	0.0	18216.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	23356.0	0.0	23356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.6	1.8
10°-20°	1112.7	4.8
20°-30°	1795.4	7.7
30°-40°	2694.7	11.5
40°-50°	3822.5	16.4
50°-60°	4827.3	20.7
60°-70°	4902.8	21.0
70°-80°	3341.5	14.3
80°-90°	433.5	1.9
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°	23356.0	100.0
0°-180°	23356.0	100.0

Coefficient of Utilization



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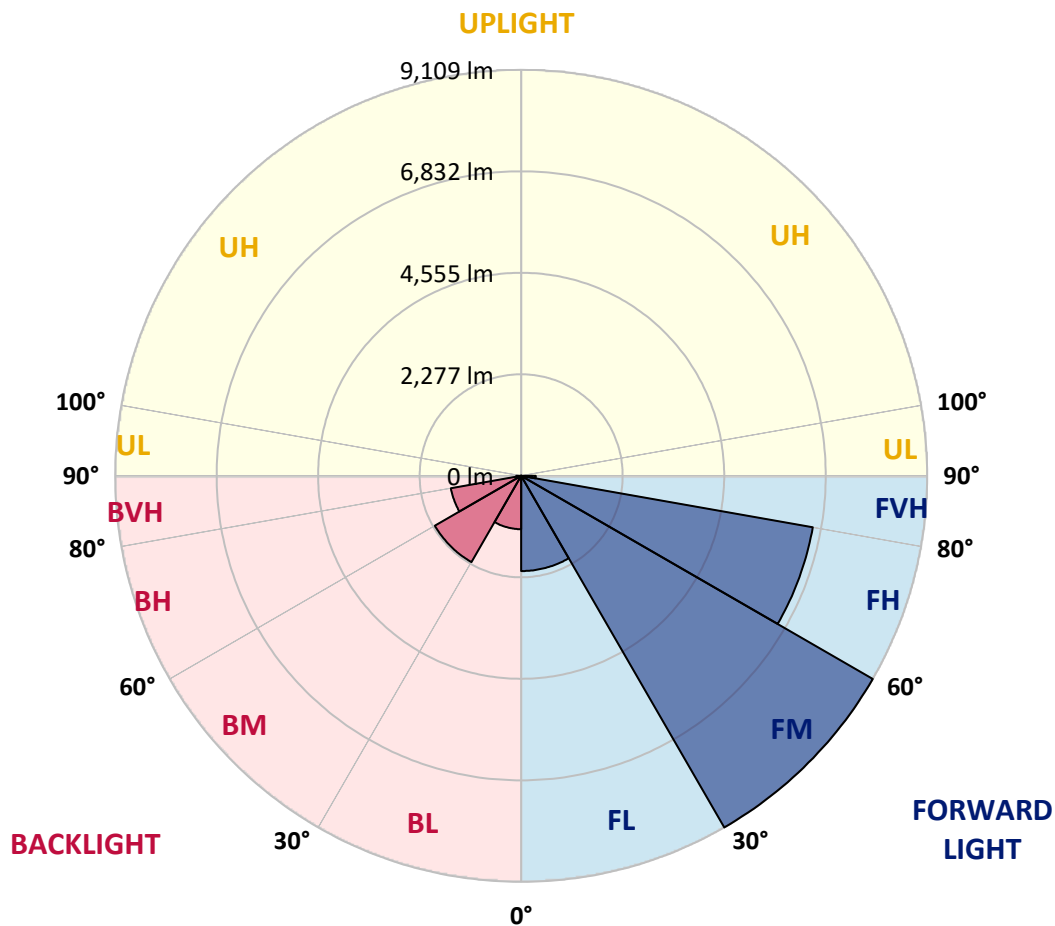
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2136.5	9.1			
FM	(30°-60°)	9109.3	39.0			
FH	(60°-80°)	6644.0	28.4			G3/7500
FVH	(80°-90°)	326.6	1.4			G3/500
BL	(0°-30°)	1197.2	5.1	B3/2500		
BM	(30°-60°)	2235.2	9.6	B2/2500		
BH	(60°-80°)	1600.3	6.9	B3/2500		G3/2500
BVH	(80°-90°)	106.9	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5
2.5°	4691.0	4668.7	4682.3	4677.4	4683.6	4691.0	4693.4	4697.1	4709.5	4708.3	4707.0
5°	4681.1	4658.8	4677.4	4671.2	4687.3	4704.6	4719.4	4733.0	4752.7	4761.4	4749.0
7.5°	4660.1	4645.3	4663.8	4682.3	4712.0	4737.9	4758.9	4789.8	4818.2	4823.2	4831.8
10°	4537.8	4526.7	4569.9	4618.1	4699.6	4770.0	4815.7	4851.6	4882.5	4887.4	4899.8
12.5°	4410.5	4396.9	4445.1	4510.6	4642.8	4770.0	4866.4	4913.3	4940.5	4956.6	4975.1
15°	4389.5	4378.4	4405.6	4462.4	4572.4	4736.7	4901.0	4987.5	5010.9	5029.5	5036.9
17.5°	4490.8	4469.8	4480.9	4500.7	4565.0	4705.8	4928.2	5071.5	5107.3	5127.1	5127.1
20°	4725.6	4695.9	4678.6	4639.1	4628.0	4710.7	4925.7	5172.8	5219.7	5244.4	5250.6
22.5°	5038.1	5018.4	4981.3	4881.2	4772.5	4771.3	4972.6	5302.5	5390.2	5413.7	5398.9
25°	5416.2	5386.5	5339.6	5203.7	4994.9	4891.1	5051.7	5468.1	5615.1	5621.3	5578.0
27.5°	5851.0	5806.6	5742.3	5563.2	5281.5	5078.9	5172.8	5658.3	5873.3	5870.8	5781.9
30°	6309.4	6264.9	6197.0	5979.5	5625.0	5332.2	5340.8	5863.4	6179.7	6166.1	6014.1
32.5°	6644.2	6610.8	6597.2	6429.2	6020.3	5631.1	5533.5	6090.7	6557.7	6545.4	6332.9
35°	6901.2	6857.9	6874.0	6788.7	6451.5	5965.9	5769.5	6361.3	7017.3	7016.1	6751.7
37.5°	7155.7	7117.4	7131.0	7074.1	6850.5	6390.9	6057.4	6692.4	7586.8	7614.0	7258.2
40°	7387.9	7347.2	7401.5	7348.4	7160.6	6843.1	6384.8	7066.7	8246.6	8298.5	7871.0
42.5°	7527.5	7495.4	7585.6	7586.8	7429.9	7224.9	6744.3	7479.4	9010.1	9126.2	8624.6
45°	7575.7	7564.6	7700.5	7728.9	7668.4	7446.0	7068.0	7929.1	9832.9	10040.4	9483.2
47.5°	7523.8	7502.8	7690.6	7795.6	7843.8	7549.8	7336.0	8415.8	10673.0	10976.9	10419.7
50°	7261.9	7221.1	7500.4	7721.5	7893.2	7617.7	7606.6	8977.9	11628.0	11960.3	11361.1
52.5°	6791.2	6760.3	7077.8	7462.1	7784.5	7651.1	7910.5	9592.0	12534.8	12964.7	12326.0
55°	6189.6	6148.8	6498.4	7000.0	7513.9	7640.0	8214.4	10278.9	13604.7	14040.8	13323.0
57.5°	5235.8	5154.3	5596.5	6189.6	7072.9	7626.4	8530.7	10962.1	14691.9	15214.4	14386.7
60°	3844.7	3723.6	4266.0	4968.9	6210.6	7494.2	8922.3	11728.0	15996.5	16467.2	15548.0
62.5°	2238.6	2168.2	2522.8	3178.8	4681.1	6715.9	9142.3	12618.8	17278.9	17773.0	16689.6
65°	1738.3	1718.5	1749.4	1800.0	2605.5	5028.2	8464.0	13487.3	18909.6	19255.6	17879.3
67.5°	1590.0	1575.2	1588.8	1493.6	1321.9	2800.7	6696.1	13707.2	20656.6	20866.6	18920.8
70°	1413.3	1396.0	1440.5	1359.0	1040.2	1273.7	4326.5	12909.1	22046.4	22440.5	19712.7
72.5°	1151.4	1131.7	1235.4	1198.4	875.9	817.9	2173.1	11012.7	21900.6	22718.5	19145.6
75°	884.6	873.5	997.0	1027.9	714.1	643.7	1042.7	8186.0	19272.9	20096.9	16500.5
77.5°	686.9	678.3	741.3	853.7	575.7	499.1	641.2	5192.6	14523.8	14668.4	11371.0
80°	515.2	490.5	548.5	661.0	448.5	364.5	434.9	3028.1	9180.6	8321.9	4949.2
82.5°	322.4	310.1	358.3	441.1	316.3	250.8	282.9	1672.8	3679.1	2167.0	955.0
85°	184.1	179.1	195.2	252.0	171.7	144.5	161.8	738.8	672.1	462.1	287.9
87.5°	74.1	71.7	89.0	112.4	63.0	53.1	56.8	177.9	148.3	137.1	95.1
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°	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5	4688.5
2.5°	4702.1	4702.1	4684.8	4657.6	4626.7	4607.0	4574.8	4566.2	4532.8	4522.9	4539.0
5°	4758.9	4749.0	4695.9	4619.3	4514.3	4417.9	4311.7	4245.0	4151.1	4117.7	4142.4
7.5°	4830.6	4803.4	4712.0	4543.9	4324.0	4107.8	3883.0	3712.5	3549.4	3491.4	3498.8
10°	4896.0	4857.8	4702.1	4408.1	4027.5	3653.2	3294.9	3044.1	2853.9	2776.0	2793.3
12.5°	4961.5	4891.1	4636.6	4182.0	3606.2	3098.5	2716.7	2521.5	2404.2	2310.3	2341.2
15°	5023.3	4924.5	4535.3	3879.3	3144.2	2629.0	2347.3	2191.7	2097.8	2036.0	2047.1
17.5°	5095.0	4952.9	4383.3	3495.1	2704.4	2304.1	2074.3	1980.4	1961.9	1954.5	1959.4
20°	5195.0	4978.8	4183.2	3065.1	2380.7	2044.7	1926.1	1917.4	1916.2	1912.5	1924.8
22.5°	5302.5	5009.7	3918.8	2674.7	2105.2	1882.8	1861.8	1844.5	1833.4	1832.2	1845.7
25°	5429.8	5019.6	3587.7	2354.7	1870.5	1806.2	1781.5	1755.6	1748.1	1748.1	1755.6
27.5°	5553.3	4986.2	3202.3	2076.8	1738.3	1735.8	1703.7	1695.0	1693.8	1697.5	1707.4
30°	5676.8	4923.2	2819.3	1819.8	1661.7	1661.7	1650.5	1656.7	1661.7	1674.0	1682.7
32.5°	5843.6	4856.5	2499.3	1629.5	1595.0	1582.6	1593.7	1606.1	1611.0	1627.1	1640.7
35°	6088.2	4809.6	2244.8	1525.8	1525.8	1509.7	1515.9	1513.4	1502.3	1494.9	1512.2
37.5°	6411.9	4807.1	2034.8	1477.6	1467.7	1465.2	1466.5	1450.4	1407.2	1355.3	1356.5
40°	6801.1	4873.8	1872.9	1444.2	1436.8	1451.6	1444.2	1401.0	1282.4	1192.2	1189.7
42.5°	7323.7	5064.1	1769.2	1403.5	1425.7	1444.2	1414.6	1265.1	1184.8	1124.3	1121.8
45°	7938.9	5372.9	1716.0	1360.2	1404.7	1426.9	1283.6	1218.1	1153.9	1081.0	1076.1
47.5°	8635.7	5762.1	1703.7	1319.4	1357.7	1371.3	1228.0	1198.4	1125.5	1046.4	1040.2
50°	9394.3	6222.9	1737.0	1271.3	1289.8	1242.9	1209.5	1182.3	1107.0	1029.1	1020.5
52.5°	10178.8	6730.7	1803.7	1205.8	1221.9	1170.0	1202.1	1178.6	1095.8	990.8	983.4
55°	10949.7	7242.1	1868.0	1129.2	1152.7	1104.5	1181.1	1163.8	1045.2	926.6	920.4
57.5°	11733.0	7751.2	1931.0	1061.2	1086.0	1041.5	1147.7	1124.3	988.4	867.3	864.8
60°	12547.1	8245.3	1960.6	995.8	1013.1	983.4	1097.1	1056.3	924.1	806.7	803.0
62.5°	13309.4	8656.7	1912.5	930.3	941.4	929.1	1030.4	976.0	859.9	738.8	737.6
65°	14074.1	8901.3	1764.2	866.0	868.5	862.3	936.5	889.5	784.5	679.5	672.1
67.5°	14767.2	9038.5	1528.2	796.9	790.7	788.2	848.7	795.6	711.6	620.2	612.8
70°	14914.2	8690.1	1167.5	715.3	715.3	709.1	752.4	698.0	631.3	557.2	554.7
72.5°	13622.0	7310.1	829.0	622.7	632.5	620.2	656.0	610.3	549.8	500.4	485.5
75°	10984.3	5360.6	602.9	527.5	544.8	523.8	557.2	525.1	473.2	471.9	425.0
77.5°	7547.3	3314.7	437.3	434.9	447.2	420.0	458.3	441.1	394.1	373.1	349.6
80°	3220.8	1321.9	318.7	336.0	336.0	311.3	355.8	360.7	320.0	310.1	310.1
82.5°	641.2	375.6	223.6	231.0	217.4	210.0	252.0	279.2	385.5	428.7	429.9
85°	192.7	138.4	134.7	126.0	111.2	112.4	148.3	280.4	345.9	197.7	170.5
87.5°	53.1	34.6	35.8	28.4	23.5	30.9	50.7	212.5	116.1	49.4	42.0
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)