

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: P531144

Luminaire Tested: **GALN-SA6B-830-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-830-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22726 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

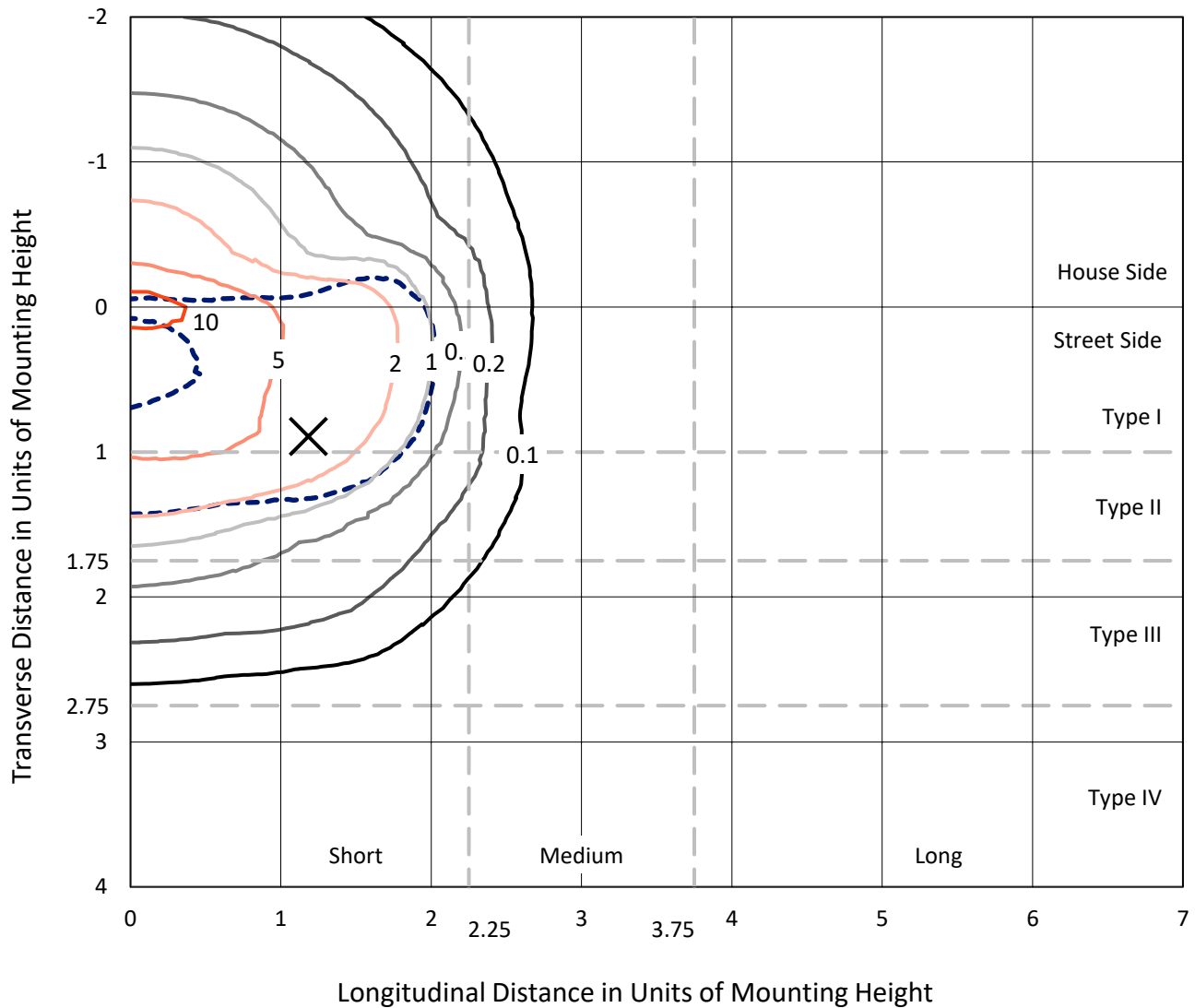
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

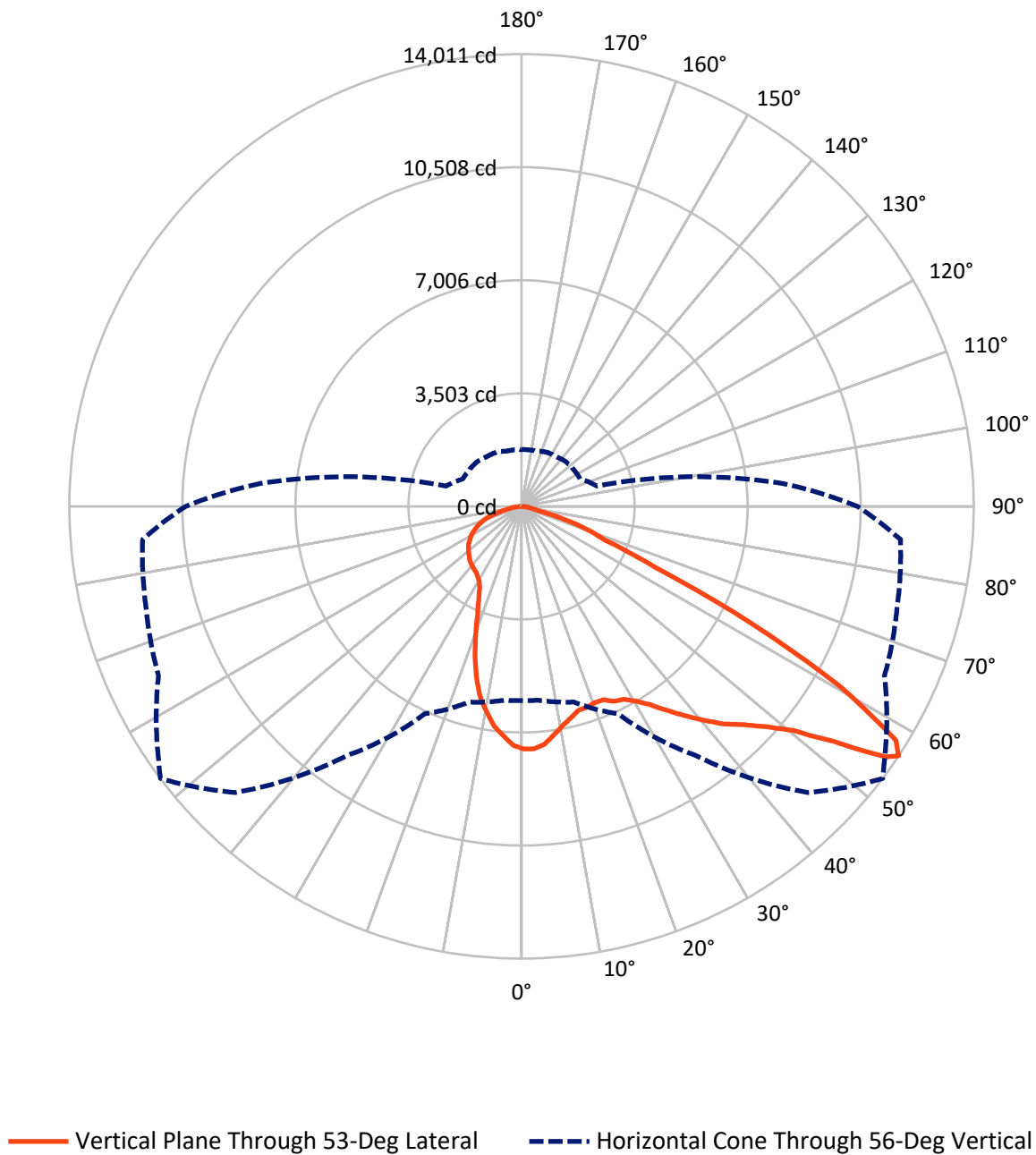


Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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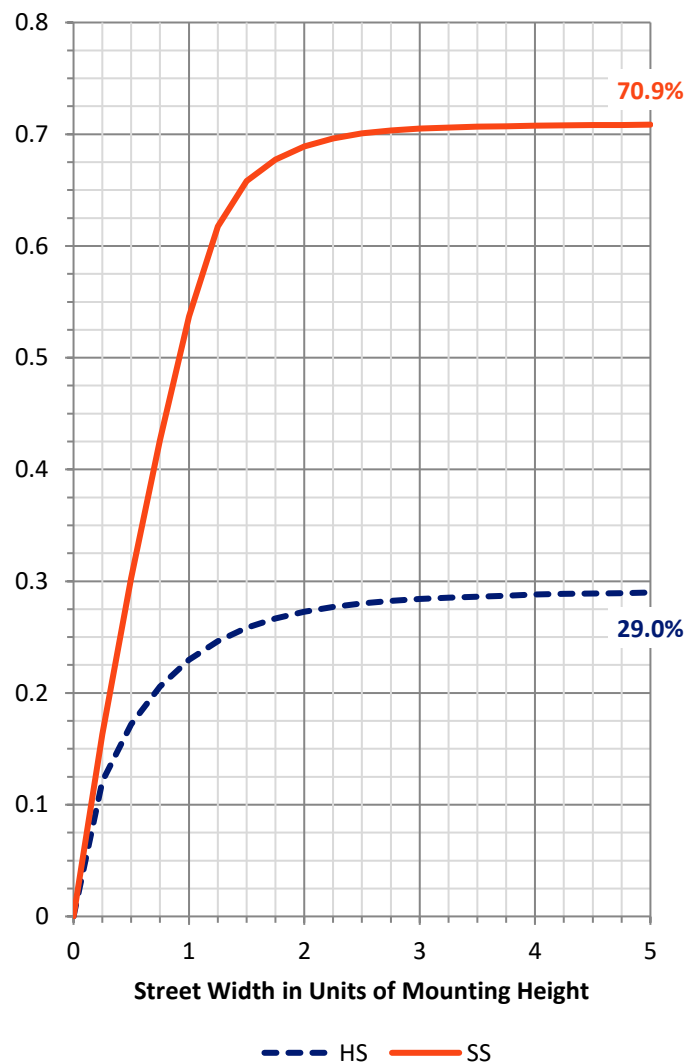
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6631.9	0.0	6631.9
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	16094.1	0.0	16094.1
	% Fixture	70.8	0.0	70.8
Total	Lumens	22726.0	0.0	22726.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.6	2.9
10°-20°	1662.4	7.3
20°-30°	2451.4	10.8
30°-40°	3502.6	15.4
40°-50°	4820.8	21.2
50°-60°	5696.9	25.1
60°-70°	3036.1	13.4
70°-80°	770.2	3.4
80°-90°	120.1	0.5
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°	22726.0	100.0
0°-180°	22726.0	100.0

Coefficient of Utilization



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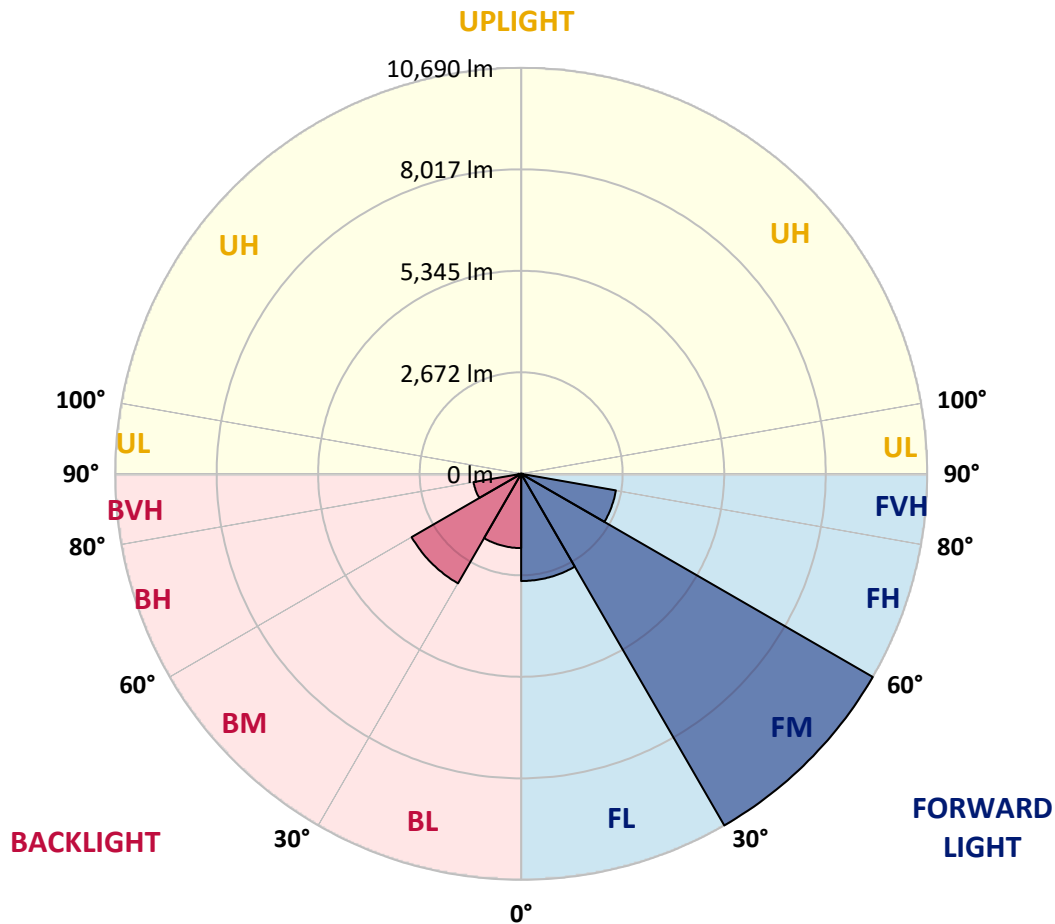
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2823.4	12.4			
FM	(30°-60°)	10689.9	47.0			
FH	(60°-80°)	2532.5	11.1			G2/5000
FVH	(80°-90°)	48.3	0.2			G1/100
BL	(0°-30°)	1956.0	8.6	B3/2500		
BM	(30°-60°)	3330.3	14.7	B3/5000		
BH	(60°-80°)	1273.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	71.8	0.3			G1/100
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7
2.5°	7425.4	7361.2	7399.1	7384.6	7504.1	7539.1	7521.6	7536.1	7603.2	7571.1	7504.1
5°	6938.5	7028.9	7046.4	7090.1	7160.1	7297.1	7405.0	7434.1	7466.2	7614.9	7600.3
7.5°	6495.4	6556.6	6524.5	6652.8	6804.4	7026.0	7157.2	7180.5	7474.9	7556.6	7617.8
10°	6215.5	6154.3	6300.0	6335.0	6507.0	6760.7	6918.1	7014.3	7282.5	7606.1	7644.0
12.5°	5956.0	5935.6	6023.1	6122.2	6314.6	6577.0	6737.3	6775.2	7189.2	7530.3	7708.2
15°	5763.6	5740.3	5827.8	5900.6	6125.1	6358.4	6562.4	6670.3	7087.2	7486.6	7652.8
17.5°	5612.0	5609.1	5658.7	5789.9	6020.2	6215.5	6544.9	6550.8	7034.7	7553.6	7699.4
20°	5603.3	5600.4	5609.1	5754.9	5964.8	6203.8	6489.5	6542.0	7034.7	7507.0	7702.3
22.5°	5676.2	5629.5	5682.0	5775.3	5926.9	6224.2	6509.9	6626.6	7203.8	7737.3	7833.5
25°	5792.8	5804.4	5833.6	5865.7	5953.1	6270.9	6690.7	6786.9	7402.0	7935.5	8014.3
27.5°	6005.6	5999.8	6011.4	6028.9	6104.7	6314.6	6763.6	7011.4	7816.0	8288.3	8209.6
30°	6317.5	6297.1	6343.8	6405.0	6335.0	6454.6	7005.6	7192.1	8200.8	8644.0	8428.2
32.5°	6600.3	6676.1	6763.6	6789.8	6705.3	6728.6	7326.2	7515.7	8521.5	9081.3	8696.5
35°	6953.1	7014.3	7130.9	7212.5	7198.0	7128.0	7763.5	8014.3	8985.1	9402.0	8979.2
37.5°	7297.1	7370.0	7562.4	7804.4	7670.3	7638.2	8230.0	8437.0	9127.9	9574.0	9186.2
40°	7851.0	7848.1	8180.4	8305.8	8425.3	8369.9	8713.9	8783.9	9203.7	9536.1	9192.1
42.5°	8501.1	8460.3	8798.5	8993.8	9148.3	9154.2	9218.3	9195.0	9238.7	9343.7	9130.8
45°	9119.2	9206.6	9547.7	9897.6	10052.1	10069.6	9643.9	9600.2	9299.9	9288.3	9014.2
47.5°	9874.2	9894.7	10174.5	10635.2	10993.7	10871.3	10194.9	10098.7	9568.1	9658.5	9209.6
50°	9918.0	10069.6	10320.3	10862.5	11964.5	11932.5	10909.2	10728.4	9999.6	10183.3	9754.7
52.5°	9002.6	8967.6	9264.9	10151.2	11891.7	12987.8	12092.8	11661.4	10926.7	10786.8	10638.1
55°	6859.8	6941.4	7203.8	8098.8	10326.1	13002.4	13705.0	13352.2	11917.9	11678.8	11506.8
56°	6017.3	6028.9	6276.7	7093.0	9422.4	12538.9	14011.1	13725.4	12410.6	12046.2	11783.8
57.5°	4988.1	4921.1	5049.4	5495.4	7953.0	11559.3	13675.9	13955.7	12987.8	12442.7	12078.2
60°	3927.0	3912.4	3859.9	3941.5	5026.0	8708.1	11384.4	12014.1	12929.5	12069.5	11568.1
62.5°	3206.9	3134.0	3238.9	3355.6	3492.6	5402.1	7999.7	8369.9	10264.9	9635.2	8690.6
65°	2486.8	2451.8	2583.0	2962.0	3043.6	3431.4	4556.7	4842.4	6061.0	5953.1	5241.8
67.5°	1711.3	1717.1	1830.8	2408.1	2822.0	2787.1	2790.0	2938.7	3163.1	2349.8	2046.6
70°	1084.5	1081.6	1142.8	1551.0	2271.0	2294.4	2177.8	2134.0	2023.2	1224.4	1297.3
72.5°	696.8	676.4	708.4	857.1	1174.9	1358.5	1399.4	1425.6	1172.0	962.1	1043.7
75°	393.6	373.2	361.5	399.4	463.5	536.4	588.9	606.4	679.3	728.8	772.6
77.5°	119.5	107.9	131.2	174.9	230.3	309.0	376.1	387.7	457.7	516.0	559.7
80°	52.5	58.3	81.6	116.6	163.3	218.7	265.3	282.8	329.4	373.2	384.8
82.5°	32.1	35.0	55.4	78.7	113.7	154.5	189.5	195.3	242.0	277.0	285.7
85°	11.7	14.6	29.2	46.6	72.9	99.1	99.1	107.9	99.1	99.1	107.9
87.5°	0.0	0.0	2.9	5.8	5.8	8.7	11.7	11.7	14.6	17.5	20.4
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°	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7	7518.7
2.5°	7539.1	7524.5	7501.2	7416.6	7407.9	7381.6	7235.9	7212.5	7235.9	7165.9	7171.7
5°	7524.5	7568.2	7393.3	7308.8	7151.3	7037.6	6906.4	6839.4	6719.9	6644.1	6728.6
7.5°	7588.6	7571.1	7352.5	7168.8	6932.7	6644.1	6413.7	6282.6	6072.6	6014.3	6058.1
10°	7565.3	7472.0	7215.5	6973.5	6527.4	6273.8	5900.6	5539.1	5340.9	5238.9	5224.3
12.5°	7533.2	7507.0	7078.4	6661.5	6192.2	5658.7	5133.9	4792.8	4469.2	4329.3	4349.7
15°	7571.1	7349.6	6821.9	6294.2	5670.3	4970.7	4405.1	3964.9	3740.4	3650.0	3650.0
17.5°	7553.6	7273.8	6699.4	5883.2	5093.1	4265.1	3644.2	3378.9	3285.6	3285.6	3311.8
20°	7562.4	7323.3	6451.6	5472.1	4410.9	3591.7	3139.8	3043.6	3084.4	3099.0	3113.6
22.5°	7611.9	7160.1	6209.7	5020.2	3778.3	3072.8	2851.2	2854.1	2927.0	3005.7	2991.1
25°	7673.2	7095.9	5915.2	4571.2	3294.3	2819.1	2749.2	2740.4	2795.8	2836.6	2842.5
27.5°	7620.7	6985.1	5614.9	4011.5	2897.8	2650.0	2635.5	2641.3	2658.8	2740.4	2714.2
30°	7792.7	7017.2	5238.9	3542.1	2679.2	2594.7	2577.2	2568.4	2594.7	2618.0	2597.6
32.5°	8005.5	6903.5	4959.0	3090.3	2571.3	2553.8	2518.9	2507.2	2521.8	2498.4	2510.1
35°	8098.8	6883.1	4594.6	2766.7	2486.8	2472.2	2451.8	2448.9	2451.8	2431.4	2413.9
37.5°	8151.3	6979.3	4177.7	2618.0	2434.3	2448.9	2402.2	2396.4	2343.9	2355.6	2364.3
40°	8241.7	6830.6	3839.5	2475.1	2402.2	2373.1	2332.3	2323.5	2288.5	2268.1	2288.5
42.5°	8110.5	6786.9	3507.2	2413.9	2355.6	2323.5	2294.4	2244.8	2233.1	2215.7	2204.0
45°	8005.5	6536.2	3209.8	2338.1	2300.2	2282.7	2227.3	2174.8	2131.1	2148.6	2122.4
47.5°	8084.2	6448.7	2915.3	2274.0	2224.4	2204.0	2148.6	2107.8	2064.1	2043.7	2037.8
50°	8399.1	6612.0	2667.5	2227.3	2160.3	2148.6	2075.7	2029.1	1988.3	1973.7	1979.5
52.5°	9151.2	7058.0	2498.4	2131.1	2099.0	2046.6	2005.8	1947.4	1921.2	1874.6	1903.7
55°	10104.6	7784.0	2454.7	2040.7	2023.2	1976.6	1921.2	1877.5	1827.9	1790.0	1781.3
56°	10410.7	8130.9	2419.7	2005.8	1976.6	1950.4	1877.5	1851.2	1772.5	1763.8	1757.9
57.5°	10658.5	8437.0	2425.6	1938.7	1909.5	1886.2	1842.5	1778.4	1725.9	1693.8	1708.4
60°	10098.7	7897.7	2314.8	1836.7	1830.8	1787.1	1725.9	1696.7	1632.6	1594.7	1585.9
62.5°	7507.0	5361.3	1877.5	1705.5	1702.6	1655.9	1585.9	1553.9	1542.2	1489.7	1489.7
65°	4323.4	3361.4	1623.8	1597.6	1574.3	1527.6	1457.7	1431.4	1402.3	1384.8	1370.2
67.5°	1845.4	1743.4	1475.2	1472.2	1446.0	1387.7	1317.7	1276.9	1239.0	1204.0	1221.5
70°	1338.1	1358.5	1332.3	1317.7	1285.7	1212.8	1151.6	1102.0	1043.7	1020.4	1037.9
72.5°	1061.2	1104.9	1142.8	1145.7	1107.8	1023.3	956.2	889.2	825.0	793.0	807.5
75°	804.6	833.8	871.7	880.4	825.0	766.7	702.6	632.6	583.1	545.2	551.0
77.5°	580.2	574.3	609.3	603.5	577.2	536.4	478.1	414.0	358.6	323.6	326.5
80°	396.5	405.2	425.6	422.7	390.7	364.4	320.7	268.2	227.4	198.2	192.4
82.5°	277.0	291.5	309.0	294.4	268.2	242.0	209.9	172.0	139.9	116.6	110.8
85°	99.1	113.7	131.2	139.9	148.7	142.9	119.5	96.2	70.0	58.3	55.4
87.5°	20.4	23.3	26.2	26.2	26.2	23.3	20.4	20.4	17.5	8.7	8.7
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)