

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: P956981

Luminaire Tested: **GALN-SB9C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47711 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G5

Input Watts (W): 449.8
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

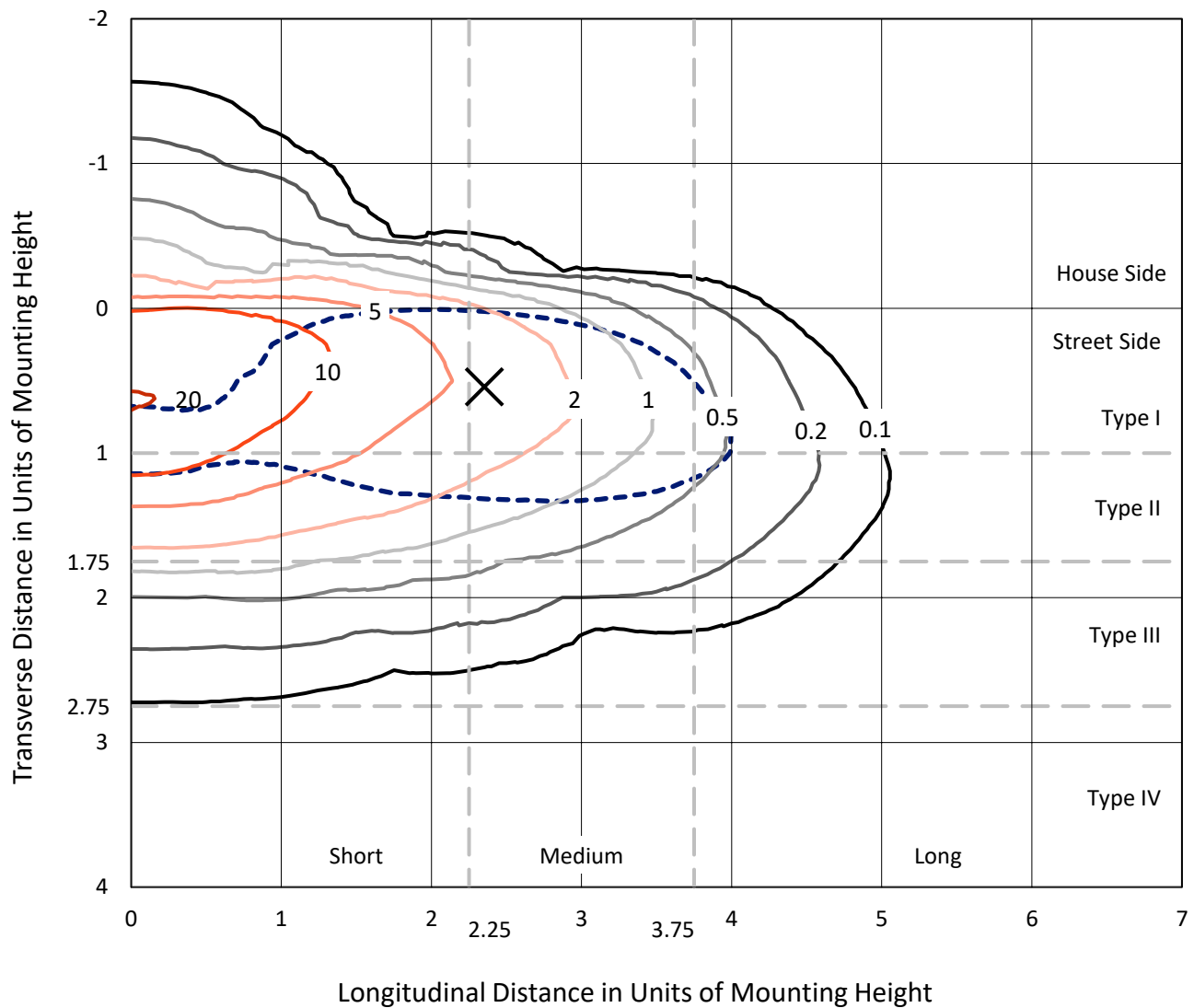


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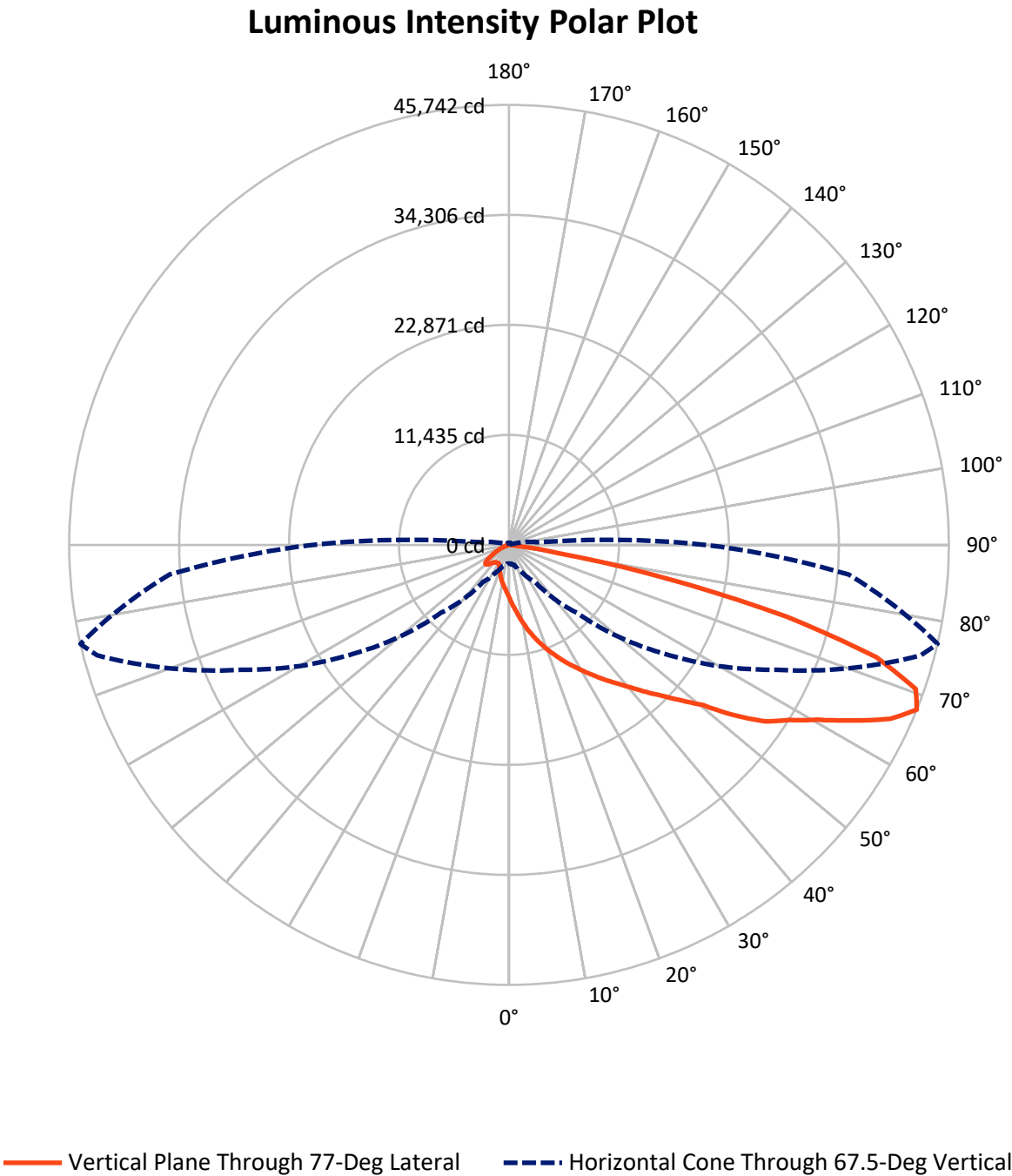
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.6 fc
Type II - Medium - N/A

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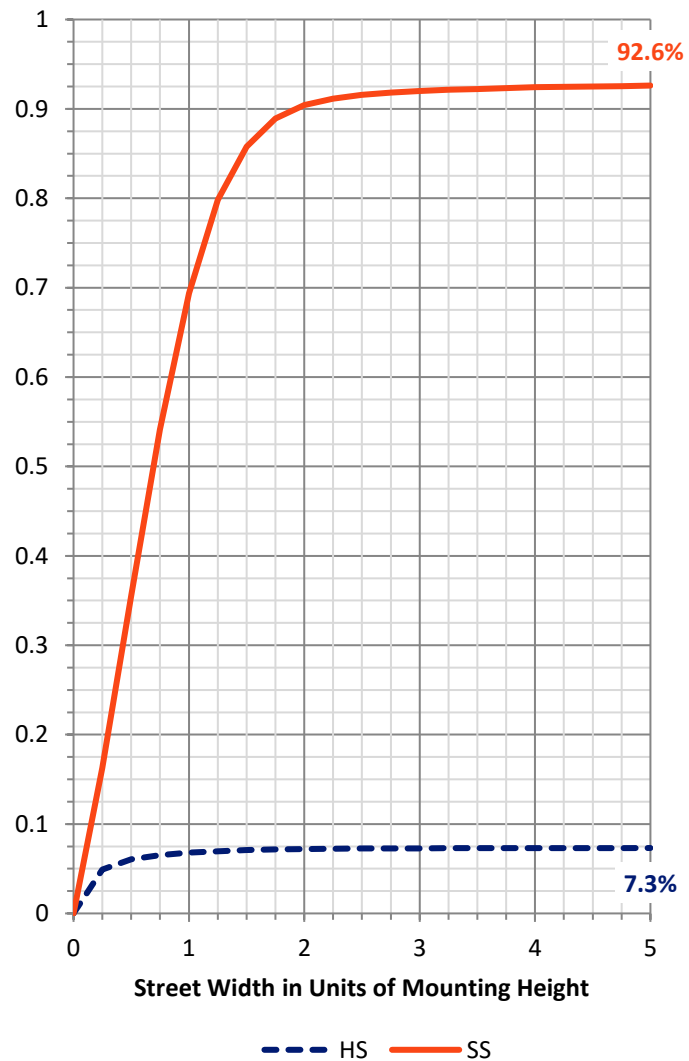
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3510.1	0.0	3510.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	44200.9	0.0	44200.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	47711.0	0.0	47711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.5	1.2
10°-20°	1966.5	4.1
20°-30°	3794.7	8.0
30°-40°	6587.9	13.8
40°-50°	9565.3	20.0
50°-60°	10984.5	23.0
60°-70°	9536.6	20.0
70°-80°	4491.8	9.4
80°-90°	222.1	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°	47711.0	100.0
0°-180°	47711.0	100.0

Coefficient of Utilization



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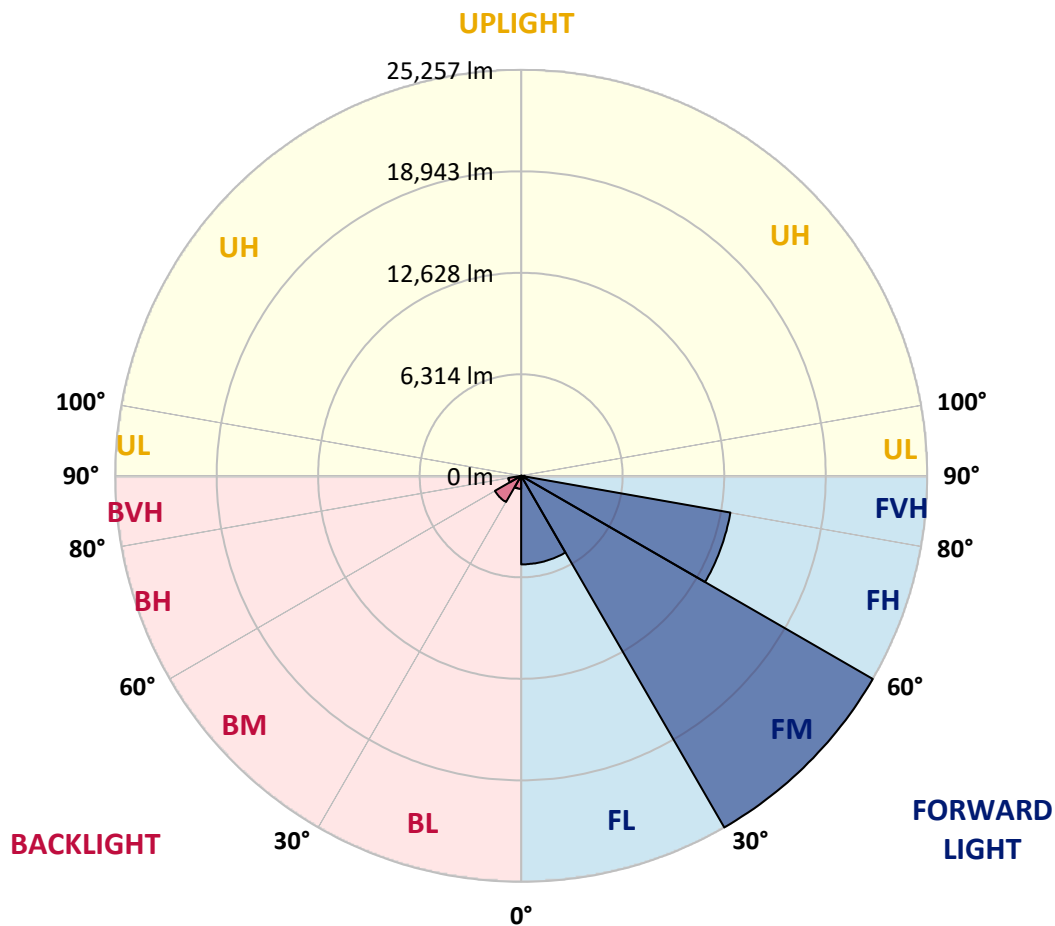
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5510.1	11.5			
FM	(30°-60°)	25256.9	52.9			
FH	(60°-80°)	13215.8	27.7			G5
FVH	(80°-90°)	218.0	0.5			G2/225
BL	(0°-30°)	812.6	1.7	B2/1000		
BM	(30°-60°)	1880.8	3.9	B2/2500		
BH	(60°-80°)	812.6	1.7	B2/1000		G2/1000
BVH	(80°-90°)	4.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8
2.5°	7617.2	7664.6	7596.4	7466.1	7270.5	7143.1	6832.0	6538.7	6212.8	6109.1	5783.2
5°	9285.2	9326.7	9249.6	9107.4	8846.7	8597.8	8189.0	7575.7	6938.7	6734.3	6156.5
7.5°	10520.6	10544.3	10514.7	10384.3	10135.5	9854.0	9397.8	8671.9	7726.8	7501.6	6615.8
10°	11409.5	11486.5	11477.6	11427.2	11261.3	11033.2	10547.3	9720.7	8609.7	8319.3	7134.2
12.5°	11999.0	12085.0	12135.3	12247.9	12239.0	12093.8	11667.2	10793.2	9489.6	9148.9	7717.9
15°	12170.9	12262.7	12455.3	12716.0	12947.1	13021.2	12721.9	11845.0	10458.4	10022.9	8316.4
17.5°	12073.1	12215.3	12446.4	12858.2	13364.9	13699.6	13667.0	12861.2	11338.3	10840.6	8903.0
20°	12289.4	12425.7	12606.4	12953.0	13542.6	14150.0	14392.9	13833.0	12212.4	11690.9	9519.2
22.5°	13486.3	13462.6	13480.4	13536.7	13889.3	14490.7	14991.4	14715.9	13077.5	12544.2	10171.0
25°	15382.5	15275.8	15095.1	14789.9	14701.0	14991.4	15512.8	15498.0	13990.0	13418.2	10837.6
27.5°	17557.1	17539.3	17115.7	16380.9	15966.1	15853.5	16102.4	16259.4	14893.6	14283.3	11507.2
30°	19639.9	19687.3	19115.5	18297.8	17536.4	17094.9	16869.8	16982.3	15812.1	15216.6	12197.5
32.5°	21453.1	21503.5	20881.3	19924.3	18982.2	18448.9	17974.9	17696.4	16813.5	16164.6	12956.0
35°	22984.8	23035.2	22321.2	21263.5	20259.1	19776.2	19239.9	18478.5	17820.8	17216.4	13800.4
37.5°	24353.6	24338.8	23381.8	22315.2	21328.7	20946.5	20665.0	19441.4	18857.7	18274.1	14736.6
40°	25162.4	25224.6	24406.9	23230.7	22273.8	21995.3	21977.5	20635.4	20054.7	19488.8	15761.7
42.5°	25399.4	25509.1	24916.5	23950.7	23082.6	22780.4	23245.5	21927.1	21447.2	20896.1	16920.1
45°	24972.8	25079.5	24809.9	24140.3	23633.7	23438.1	24335.8	23266.3	22934.5	22389.3	18226.7
47.5°	23728.5	23861.8	23927.0	23784.8	23778.8	23977.3	25313.5	24676.5	24700.2	24143.2	19740.6
50°	21319.8	21544.9	22143.4	22647.1	23426.3	24404.0	26264.6	26205.3	26691.2	26211.2	21713.8
52.5°	16940.9	17260.8	19322.9	20700.6	22451.5	24324.0	27310.4	28658.4	30184.2	29482.1	24495.8
55°	13613.7	13613.7	15290.6	17868.2	20549.5	23796.6	27766.7	30252.4	32563.3	32397.4	26454.2
57.5°	11098.4	11231.7	12301.2	14579.6	17797.1	22540.4	28048.1	31253.8	34480.2	34358.7	28368.1
60°	6849.8	7137.2	9157.8	11406.5	14665.5	20303.6	27870.4	32267.0	36805.9	36903.7	30673.1
62.5°	3857.5	3964.1	4864.8	8206.7	11403.5	17296.4	26510.5	32832.9	39780.5	40195.3	33049.2
65°	2663.5	2716.8	3063.5	5107.7	7904.5	13770.7	23852.9	32480.4	42761.0	43599.5	35063.8
67.5°	1934.7	1961.3	2177.6	3119.7	4690.0	9984.4	19687.3	30702.7	44340.1	45741.5	35449.0
70°	1487.3	1505.1	1662.1	2050.2	2770.1	6162.5	14298.1	27168.2	43196.5	44870.5	33475.8
72.5°	1208.8	1226.6	1348.0	1516.9	1836.9	3644.2	8666.0	22063.4	38148.0	39955.3	28498.4
75°	1019.2	1042.9	1152.5	1262.1	1439.9	2340.6	4064.9	15364.7	28688.1	29873.2	19817.7
77.5°	565.9	521.4	936.2	1045.8	1214.7	1481.4	1902.1	9042.2	16066.9	16395.7	8793.4
80°	352.6	364.4	743.6	841.4	933.3	746.6	871.0	3481.2	5569.9	5291.4	1703.6
82.5°	20.7	47.4	571.8	607.4	639.9	320.0	328.9	1182.1	1342.1	1232.5	302.2
85°	0.0	0.0	260.7	210.4	222.2	91.8	94.8	275.5	180.7	195.5	59.3
87.5°	0.0	0.0	0.0	5.9	0.0	8.9	17.8	23.7	8.9	11.9	20.7
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°	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8
2.5°	5575.8	5368.5	4947.8	4535.9	4201.1	3890.1	3667.9	3457.5	3350.8	3344.9	3339.0
5°	5744.7	5309.2	4467.8	3724.1	3125.7	2645.7	2334.6	2112.4	1999.8	1961.3	1955.4
7.5°	5981.7	5327.0	4047.1	3013.1	2308.0	1896.1	1718.4	1647.3	1623.6	1596.9	1591.0
10°	6281.0	5368.5	3670.8	2426.5	1819.1	1611.7	1540.6	1511.0	1493.2	1475.4	1469.5
12.5°	6615.8	5407.0	3297.5	2014.7	1599.9	1493.2	1442.8	1407.3	1383.6	1362.9	1356.9
15°	6941.7	5430.7	2909.4	1727.3	1487.3	1401.4	1348.0	1309.5	1276.9	1253.2	1250.3
17.5°	7264.6	5463.3	2545.0	1555.4	1395.4	1309.5	1256.2	1208.8	1182.1	1155.5	1152.5
20°	7623.1	5457.3	2201.3	1434.0	1303.6	1217.7	1161.4	1116.9	1090.3	1060.7	1057.7
22.5°	7954.9	5427.7	1899.1	1330.3	1208.8	1125.8	1063.6	1019.2	992.5	968.8	965.8
25°	8337.1	5404.0	1647.3	1235.5	1119.9	1037.0	968.8	927.3	897.7	877.0	874.0
27.5°	8704.5	5368.5	1463.6	1149.5	1034.0	954.0	888.8	841.4	814.7	799.9	799.9
30°	9065.9	5359.6	1395.4	1066.6	957.0	877.0	811.8	767.3	746.6	740.7	737.7
32.5°	9501.5	5383.3	1425.1	1037.0	885.9	805.9	743.6	711.1	690.3	690.3	690.3
35°	9966.6	5377.3	1469.5	1063.6	838.5	734.8	687.4	666.6	645.9	645.9	645.9
37.5°	10550.3	5386.2	1505.1	1108.1	820.7	675.5	648.8	622.2	610.3	610.3	610.3
40°	11421.3	5679.5	1487.3	1146.6	814.7	634.0	580.7	571.8	562.9	562.9	562.9
42.5°	12487.9	6316.5	1511.0	1149.5	811.8	604.4	533.3	551.1	530.3	527.4	524.4
45°	13655.2	7012.8	1662.1	1087.3	808.8	589.6	509.6	530.3	497.7	497.7	497.7
47.5°	14813.6	7703.1	1816.2	998.4	799.9	586.6	488.8	477.0	468.1	471.1	471.1
50°	16410.5	8266.0	1875.4	877.0	779.2	580.7	450.3	453.3	447.4	453.3	453.3
52.5°	18149.7	8384.5	1804.3	740.7	719.9	562.9	423.7	435.5	432.6	438.5	438.5
55°	19234.0	8257.1	1490.3	616.2	628.1	491.8	397.0	420.7	420.7	420.7	420.7
57.5°	20353.9	7714.9	1057.7	500.7	521.4	402.9	373.3	405.9	402.9	400.0	400.0
60°	21159.8	6838.0	696.2	411.8	414.8	331.8	346.6	382.2	379.2	364.4	364.4
62.5°	21761.2	5869.2	447.4	349.6	317.0	299.2	317.0	346.6	334.8	302.2	296.3
65°	21693.1	4527.0	343.7	299.2	260.7	260.7	275.5	302.2	266.6	213.3	207.4
67.5°	20428.0	3063.5	284.4	251.8	219.2	216.3	228.1	251.8	228.1	180.7	174.8
70°	18167.4	2002.8	228.1	195.5	174.8	160.0	183.7	216.3	192.6	145.2	139.2
72.5°	14745.5	1220.6	171.8	142.2	127.4	103.7	145.2	177.8	154.1	106.7	100.7
75°	9540.0	622.2	118.5	91.8	68.1	62.2	106.7	133.3	106.7	65.2	56.3
77.5°	3650.1	260.7	65.2	41.5	35.6	29.6	59.3	80.0	44.4	14.8	11.9
80°	702.2	109.6	32.6	20.7	17.8	11.9	8.9	5.9	0.0	0.0	0.0
82.5°	121.5	35.6	11.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	41.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)