

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: P954126

Luminaire Tested: **GALN-SB7C-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
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-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44814 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - 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



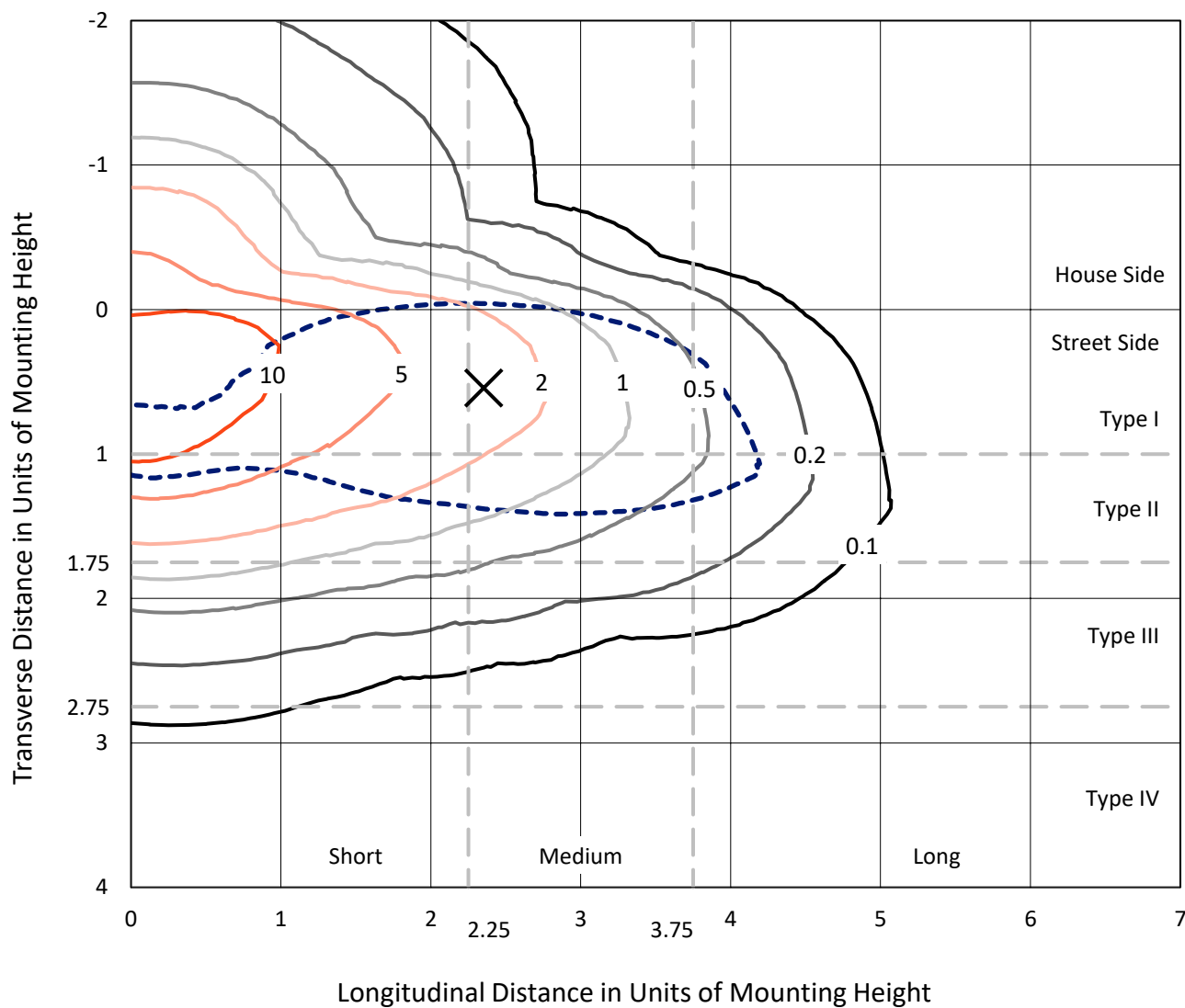
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Iso-Footcandle Lines of Horizontal Illumination

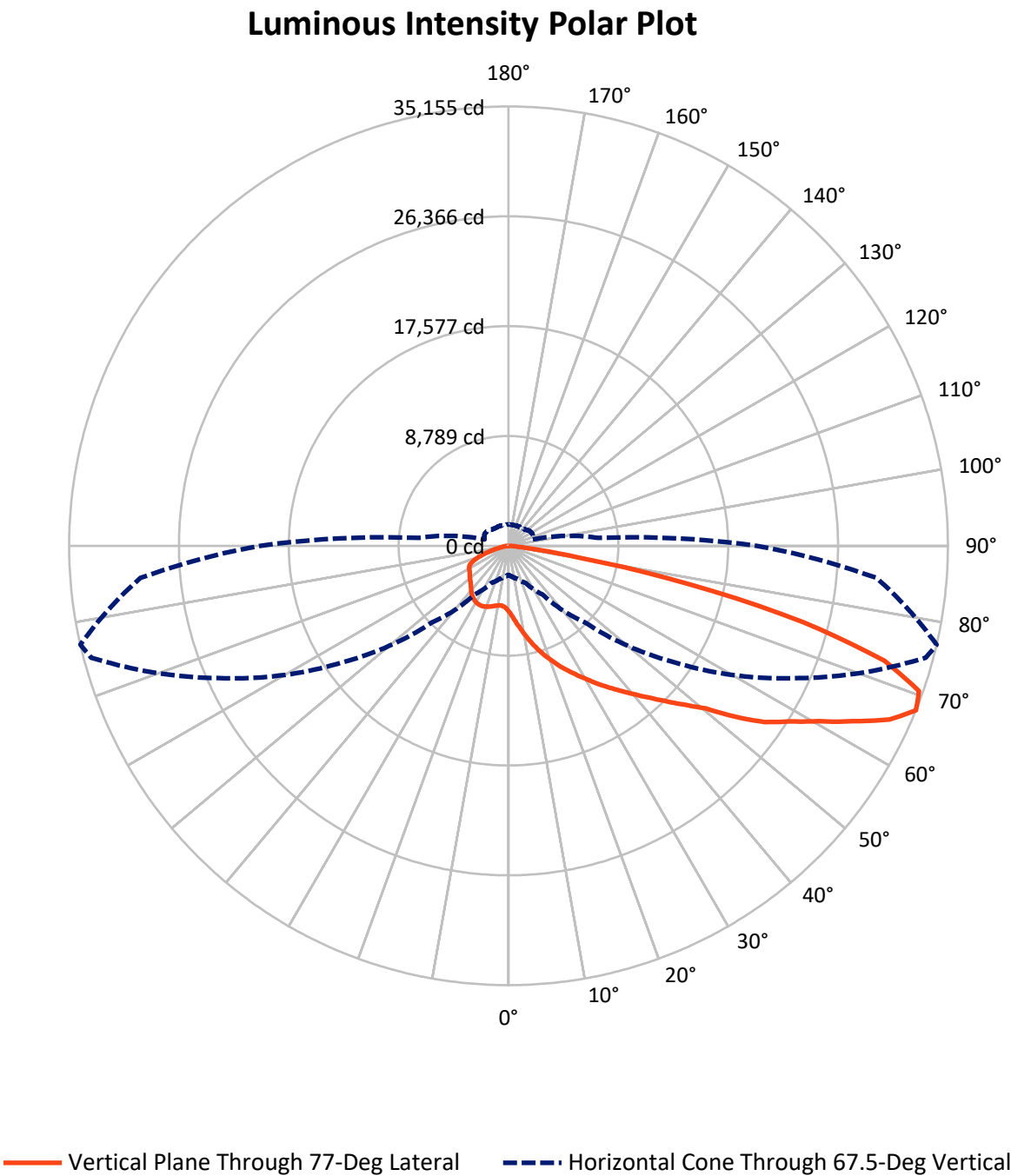
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Medium - N/A

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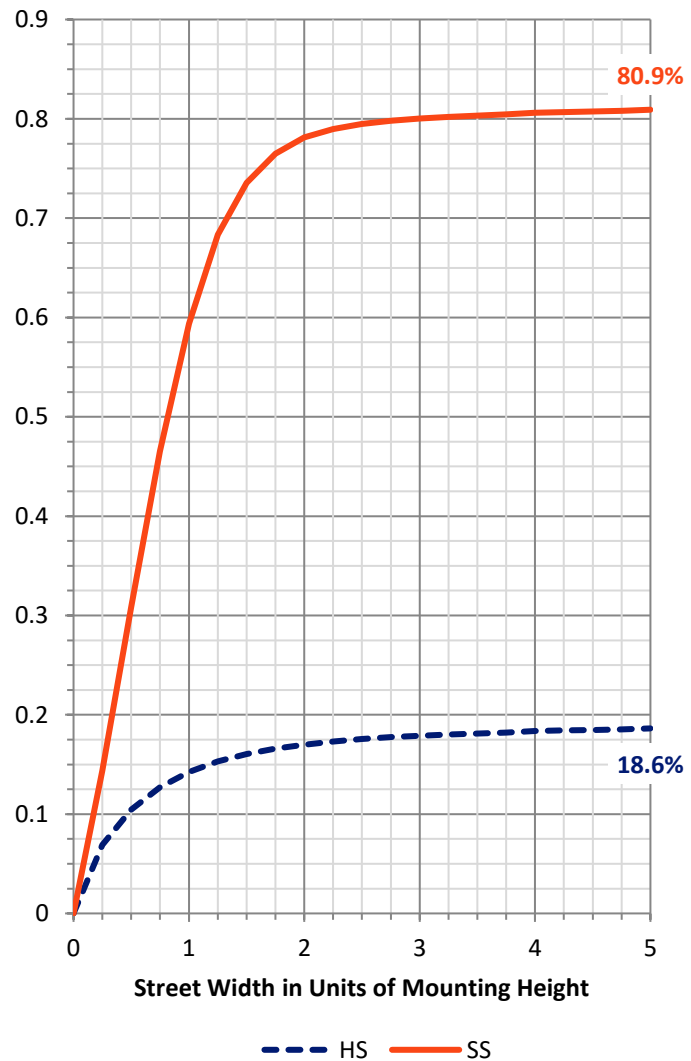
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8477.0	0.0	8477.0
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	36337.0	0.0	36337.0
	% Fixture	81.1	0.0	81.1
Total	Lumens	44814.0	0.0	44814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.6	1.3
10°-20°	2024.8	4.5
20°-30°	3823.0	8.5
30°-40°	6158.7	13.7
40°-50°	8424.0	18.8
50°-60°	9502.4	21.2
60°-70°	8869.3	19.8
70°-80°	4861.8	10.8
80°-90°	586.5	1.3
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°	44814.0	100.0
0°-180°	44814.0	100.0

Coefficient of Utilization



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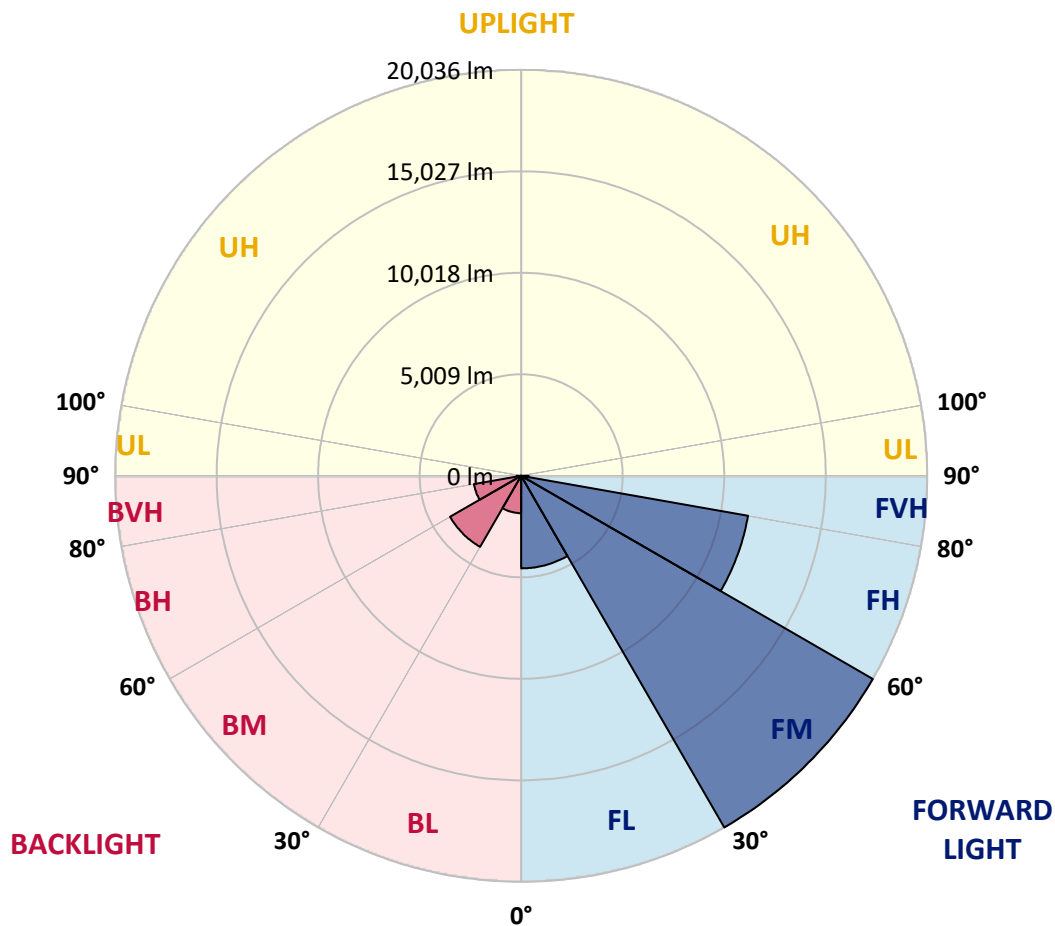
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4568.2	10.2			
FM	(30°-60°)	20035.8	44.7			
FH	(60°-80°)	11366.2	25.4			G4/12000
FVH	(80°-90°)	366.8	0.8			G3/500
BL	(0°-30°)	1843.1	4.1	B3/2500		
BM	(30°-60°)	4049.3	9.0	B3/5000		
BH	(60°-80°)	2365.0	5.3	B3/2500		G3/2500
BVH	(80°-90°)	219.7	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
2.5°	6583.6	6629.8	6572.0	6572.0	6377.7	6275.9	6081.6	5933.6	5667.5	5621.3	5445.4
5°	7781.9	7839.7	7758.7	7724.0	7495.0	7284.5	6958.3	6636.8	6162.6	6114.0	5699.9
7.5°	8709.5	8783.5	8711.8	8674.8	8471.2	8235.3	7853.6	7404.8	6736.3	6641.4	6042.3
10°	9465.9	9477.5	9454.4	9468.2	9308.6	9114.3	8723.4	8200.6	7365.5	7235.9	6456.4
12.5°	9893.9	9947.1	9993.3	10076.6	10048.9	9928.6	9577.0	8952.4	8031.7	7865.1	6907.4
15°	10095.1	10187.7	10291.8	10483.8	10638.8	10668.8	10400.5	9759.7	8709.5	8508.2	7363.2
17.5°	10166.8	10254.7	10419.0	10696.6	11029.7	11254.1	11133.8	10543.9	9380.3	9149.0	7842.0
20°	10530.0	10555.5	10654.9	10918.7	11279.5	11652.0	11742.2	11298.0	10044.2	9782.8	8337.0
22.5°	11307.3	11256.4	11284.2	11404.4	11663.5	12024.4	12230.3	11964.3	10726.7	10425.9	8836.7
25°	12591.2	12443.1	12295.1	12156.3	12288.1	12491.7	12725.3	12630.5	11441.5	11059.8	9341.0
27.5°	14212.8	14032.3	13706.2	13250.4	13090.8	13162.5	13266.6	13248.1	12103.1	11716.7	9861.5
30°	15808.9	15598.4	15209.8	14550.5	14129.5	13939.8	13861.1	13807.9	12822.5	12410.7	10386.6
32.5°	17083.5	16917.0	16535.3	15797.4	15186.7	14862.8	14601.4	14411.7	13574.3	13162.5	10941.8
35°	18198.5	18043.5	17606.3	16801.3	16137.4	15792.7	15450.4	15045.5	14356.2	13939.8	11538.6
37.5°	19216.4	19061.4	18462.2	17624.8	16956.3	16718.0	16412.7	15725.6	15140.4	14747.1	12170.1
40°	19859.5	19824.8	19265.0	18316.5	17622.5	17504.6	17402.8	16514.5	16010.2	15644.7	12864.1
42.5°	20023.7	20100.0	19655.9	18876.3	18214.7	18119.9	18358.2	17407.4	16986.4	16637.1	13650.6
45°	19628.1	19847.9	19556.4	19026.7	18635.7	18584.9	19204.8	18383.6	18066.7	17747.4	14599.1
47.5°	18626.5	18998.9	18878.6	18804.6	18749.1	18968.9	19949.7	19419.9	19290.4	19012.8	15681.7
50°	16604.7	17310.2	17520.7	17988.0	18524.7	19267.3	20627.5	20551.1	20720.0	20440.1	17000.3
52.5°	13109.3	14080.9	15302.3	16472.8	17835.4	19167.8	21372.3	22175.1	22887.5	22734.9	19096.1
55°	10821.5	11258.7	12197.9	14344.6	16498.3	18749.1	21707.8	23486.7	25038.9	24902.4	20685.3
57.5°	9063.4	9454.4	10032.7	11825.5	14476.5	17798.3	21916.0	24287.1	26512.4	26498.6	22253.7
60°	7178.1	7592.2	8184.4	9454.4	12114.6	16155.9	21869.7	25198.5	28393.1	28508.8	24166.8
62.5°	5049.9	5505.6	6162.6	7347.0	9701.9	14027.7	20925.9	25857.8	30606.9	30921.5	26468.5
65°	3319.5	3620.3	4115.3	5137.8	7229.0	11291.1	19123.8	25943.4	32975.7	33507.8	28629.1
67.5°	2327.2	2442.8	2734.3	3289.5	4765.3	8658.6	16253.1	25057.4	34555.7	35154.8	29566.0
70°	1815.9	1873.8	2021.8	2243.9	2993.4	5822.5	12454.7	22753.4	34218.0	34842.6	28587.5
72.5°	1568.4	1623.9	1679.4	1707.2	2007.9	3594.8	8436.5	19024.4	31037.2	31460.5	24856.1
75°	1422.7	1436.5	1482.8	1473.6	1531.4	2331.8	4869.4	13861.1	24488.3	24342.6	18348.9
77.5°	1196.0	1214.5	1290.8	1279.2	1360.2	1593.8	2528.4	8945.4	15876.0	14885.9	10213.1
80°	1013.2	1022.5	1105.7	1091.9	1182.1	1154.3	1290.8	4559.5	6733.9	5704.5	2944.8
82.5°	351.6	434.9	844.3	869.8	902.2	698.6	744.9	1859.9	2056.5	1575.3	617.6
85°	171.2	182.7	430.3	610.7	608.4	351.6	363.2	663.9	647.7	508.9	205.9
87.5°	27.8	34.7	50.9	238.3	189.7	92.5	124.9	129.5	134.2	115.7	46.3
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°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
2.5°	5315.9	5200.2	4957.3	4733.0	4557.2	4388.3	4293.4	4212.5	4166.2	4157.0	4157.0
5°	5459.3	5221.1	4779.2	4406.8	4163.9	3983.5	3888.6	3828.5	3798.4	3779.9	3777.6
7.5°	5665.2	5315.9	4686.7	4263.4	4008.9	3879.4	3830.8	3821.5	3819.2	3821.5	3828.5
10°	5949.7	5470.9	4677.4	4228.7	4015.8	3944.1	3941.8	3944.1	3953.4	3955.7	3958.0
12.5°	6257.4	5630.5	4714.5	4258.7	4103.8	4064.4	4057.5	4055.2	4062.1	4066.7	4069.1
15°	6592.8	5841.0	4776.9	4323.5	4200.9	4159.3	4152.3	4138.4	4136.1	4133.8	4131.5
17.5°	6937.5	6049.2	4846.3	4392.9	4263.4	4205.5	4180.1	4147.7	4122.3	4115.3	4122.3
20°	7286.8	6255.1	4894.9	4427.6	4268.0	4187.0	4136.1	4080.6	4036.7	4011.2	4020.5
22.5°	7659.3	6470.2	4925.0	4418.4	4226.4	4115.3	4022.8	3958.0	3890.9	3847.0	3849.3
25°	8022.4	6657.6	4922.6	4369.8	4145.4	4004.3	3886.3	3803.0	3710.5	3664.2	3664.2
27.5°	8371.7	6826.5	4864.8	4284.2	4029.7	3872.4	3731.3	3631.8	3541.6	3497.7	3495.4
30°	8732.6	6967.6	4774.6	4159.3	3893.2	3719.7	3564.8	3479.2	3398.2	3356.6	3354.2
32.5°	9091.2	7097.1	4647.4	4004.3	3735.9	3569.4	3416.7	3338.1	3289.5	3289.5	3291.8
35°	9470.5	7187.3	4478.5	3823.8	3569.4	3409.8	3289.5	3243.2	3238.6	3210.8	3203.9
37.5°	9870.7	7245.2	4272.6	3638.8	3405.1	3254.8	3217.8	3162.2	3116.0	3055.8	3046.6
40°	10291.8	7303.0	4025.1	3446.8	3231.6	3148.4	3132.2	3058.1	2926.3	2778.2	2757.4
42.5°	10803.0	7342.3	3768.3	3254.8	3048.9	3021.1	3044.3	2917.0	2706.5	2595.5	2597.8
45°	11395.2	7407.1	3532.4	3065.1	2861.5	2861.5	2958.7	2792.1	2618.6	2549.2	2560.8
47.5°	12163.2	7557.5	3312.6	2856.9	2688.0	2734.3	2769.0	2641.8	2544.6	2459.0	2456.7
50°	13273.6	7918.3	3085.9	2646.4	2556.2	2648.7	2600.1	2526.1	2412.7	2343.3	2336.4
52.5°	14652.3	8131.2	2884.7	2456.7	2442.8	2535.3	2466.0	2396.6	2311.0	2218.4	2199.9
55°	15591.5	8170.5	2715.8	2317.9	2366.5	2357.2	2331.8	2269.3	2223.1	2100.5	2102.8
57.5°	16641.7	8249.1	2577.0	2234.6	2317.9	2216.1	2206.9	2153.7	2093.5	2010.2	1982.5
60°	17897.8	8371.7	2456.7	2202.2	2276.3	2123.6	2077.3	2056.5	1996.4	1954.7	1966.3
62.5°	19267.3	8482.8	2334.1	2206.9	2227.7	2033.4	1964.0	1957.0	1920.0	1906.1	1906.1
65°	20201.8	8179.7	2181.4	2202.2	2151.3	1940.8	1852.9	1850.6	1820.5	1815.9	1813.6
67.5°	19875.7	7219.7	1975.5	2137.5	2072.7	1848.3	1751.1	1741.9	1702.6	1704.9	1704.9
70°	18242.5	5850.3	1691.0	1977.9	1975.5	1765.0	1644.7	1614.7	1561.5	1570.7	1580.0
72.5°	15179.7	4335.1	1309.3	1711.8	1820.5	1688.7	1522.1	1473.6	1406.5	1415.7	1413.4
75°	10962.6	2947.1	953.1	1302.4	1584.6	1598.5	1401.8	1318.6	1237.6	1251.5	1256.1
77.5°	5609.7	1670.2	700.9	897.6	1244.5	1452.7	1293.1	1182.1	1163.6	1293.1	1274.6
80°	1829.8	837.4	485.8	629.2	816.6	1189.0	1133.5	1006.3	1001.6	1031.7	886.0
82.5°	545.9	353.9	312.3	414.1	451.1	911.4	978.5	761.1	654.7	689.4	712.5
85°	187.4	171.2	178.1	205.9	215.1	534.4	684.7	504.3	476.5	525.1	518.2
87.5°	44.0	60.1	50.9	46.3	46.3	129.5	266.0	210.5	291.5	194.3	187.4
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)