

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: P953404

Luminaire Tested: **GALN-SB7A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953404
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-SB7A-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26194 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 199.1
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



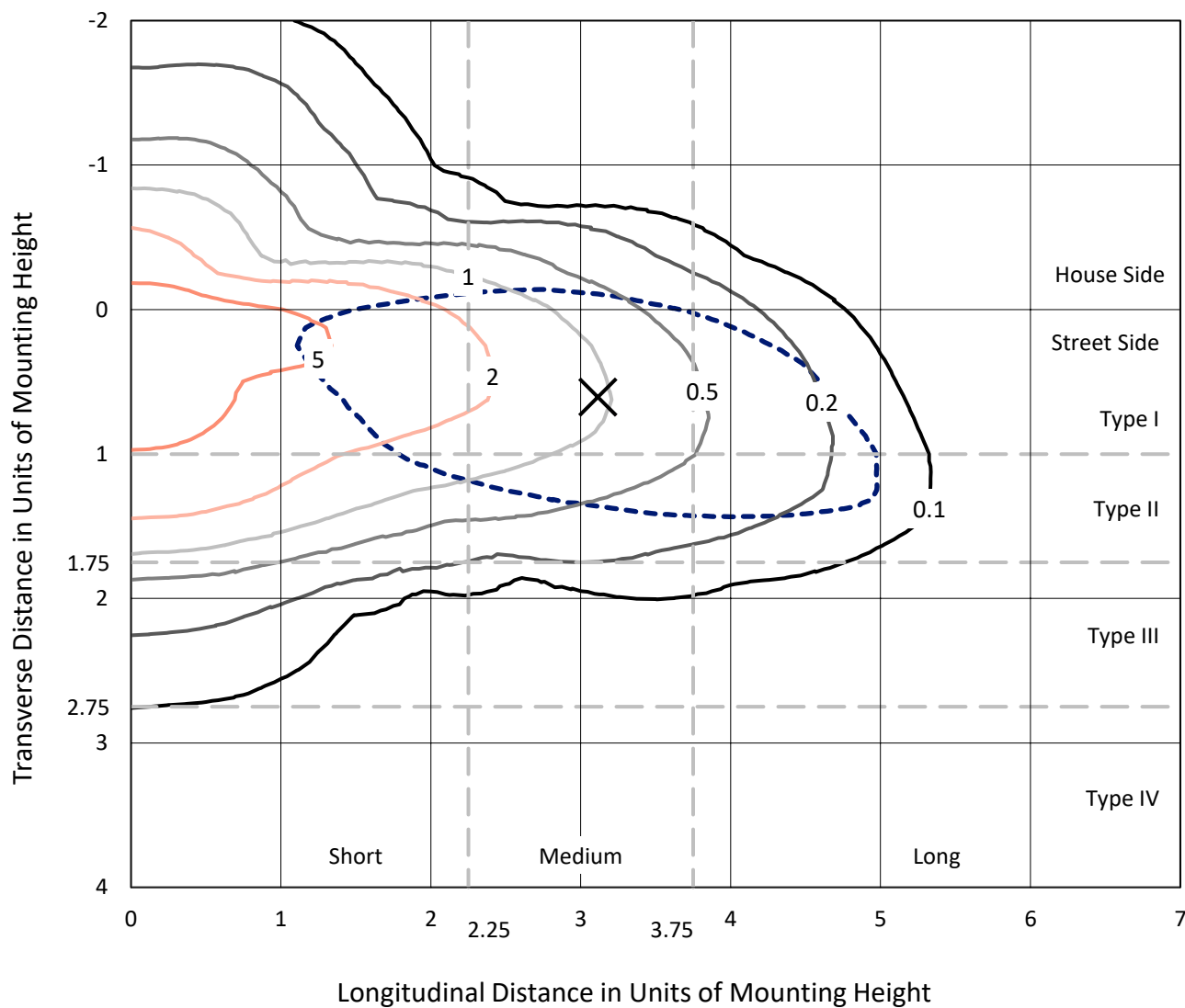
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Iso-Footcandle Lines of Horizontal Illumination

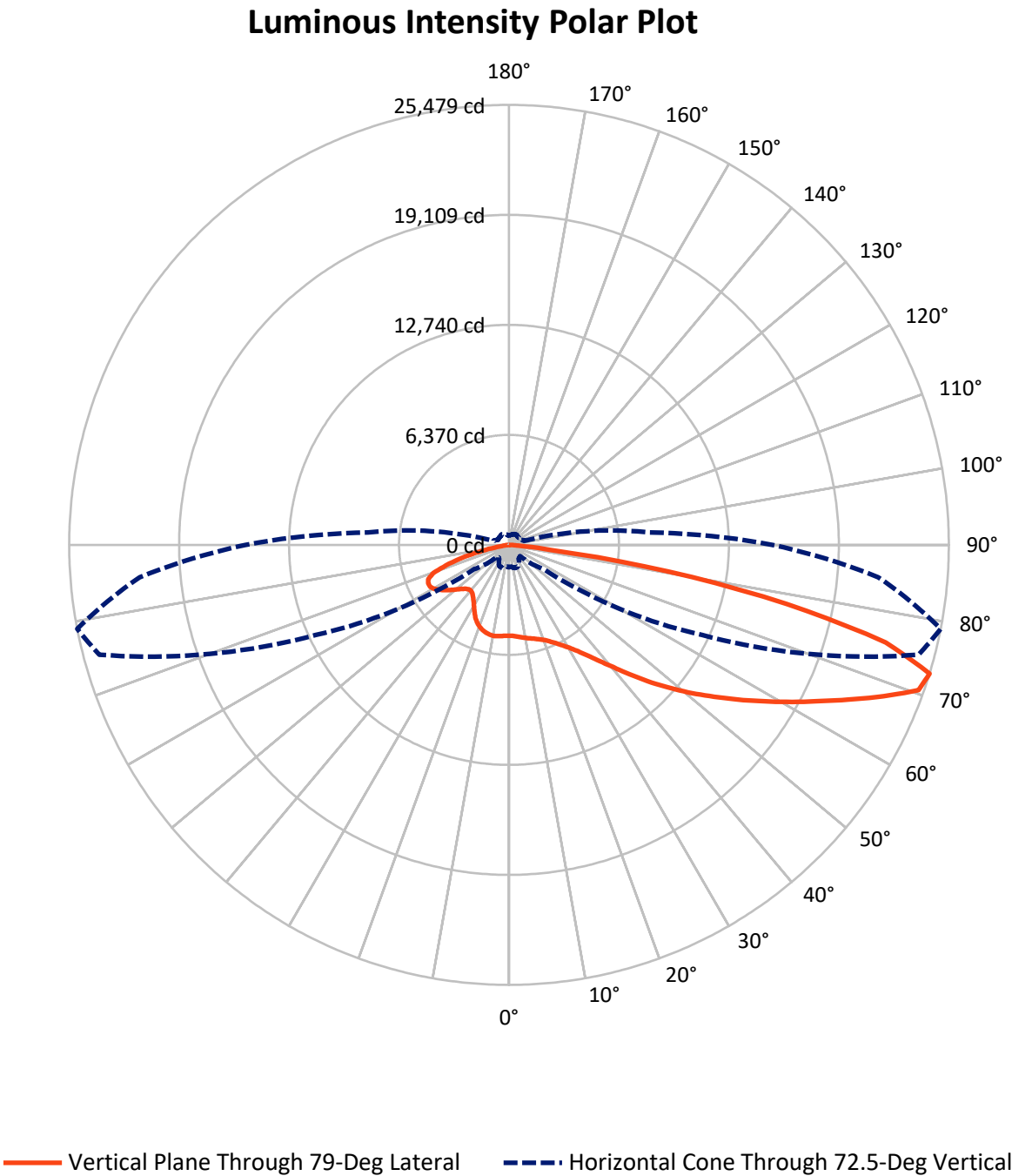
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Medium - N/A

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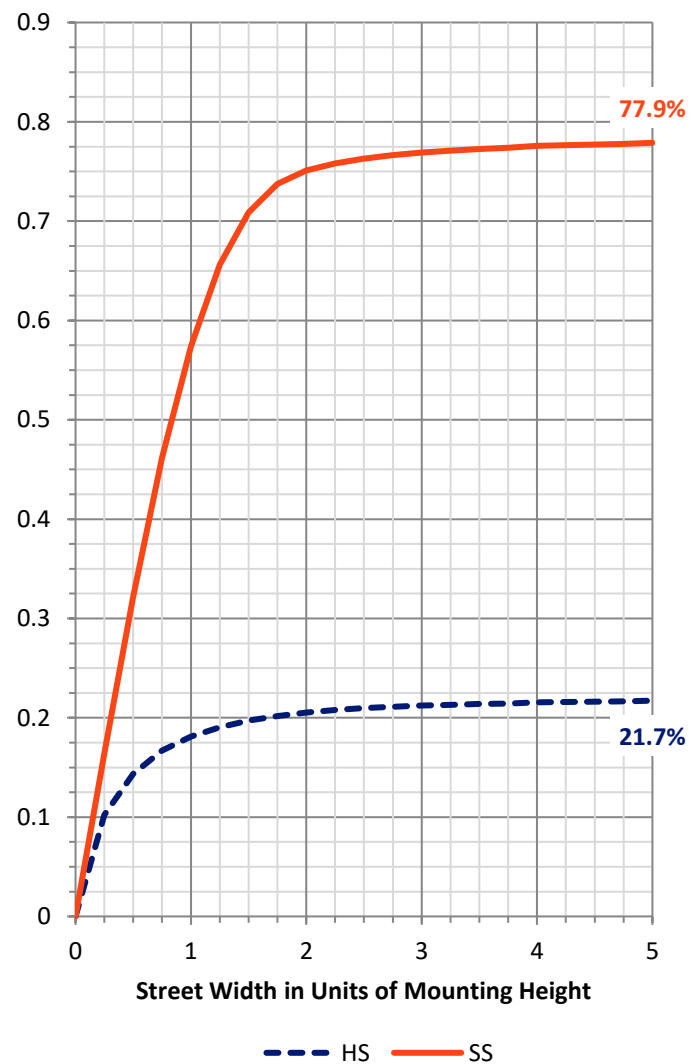
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5764.1	0.0	5764.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	20429.9	0.0	20429.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	26194.0	0.0	26194.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.3	1.8
10°-20°	1247.9	4.8
20°-30°	2013.6	7.7
30°-40°	3022.1	11.5
40°-50°	4287.0	16.4
50°-60°	5413.9	20.7
60°-70°	5498.6	21.0
70°-80°	3747.5	14.3
80°-90°	486.2	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°	26194.0	100.0
0°-180°	26194.0	100.0

Coefficient of Utilization



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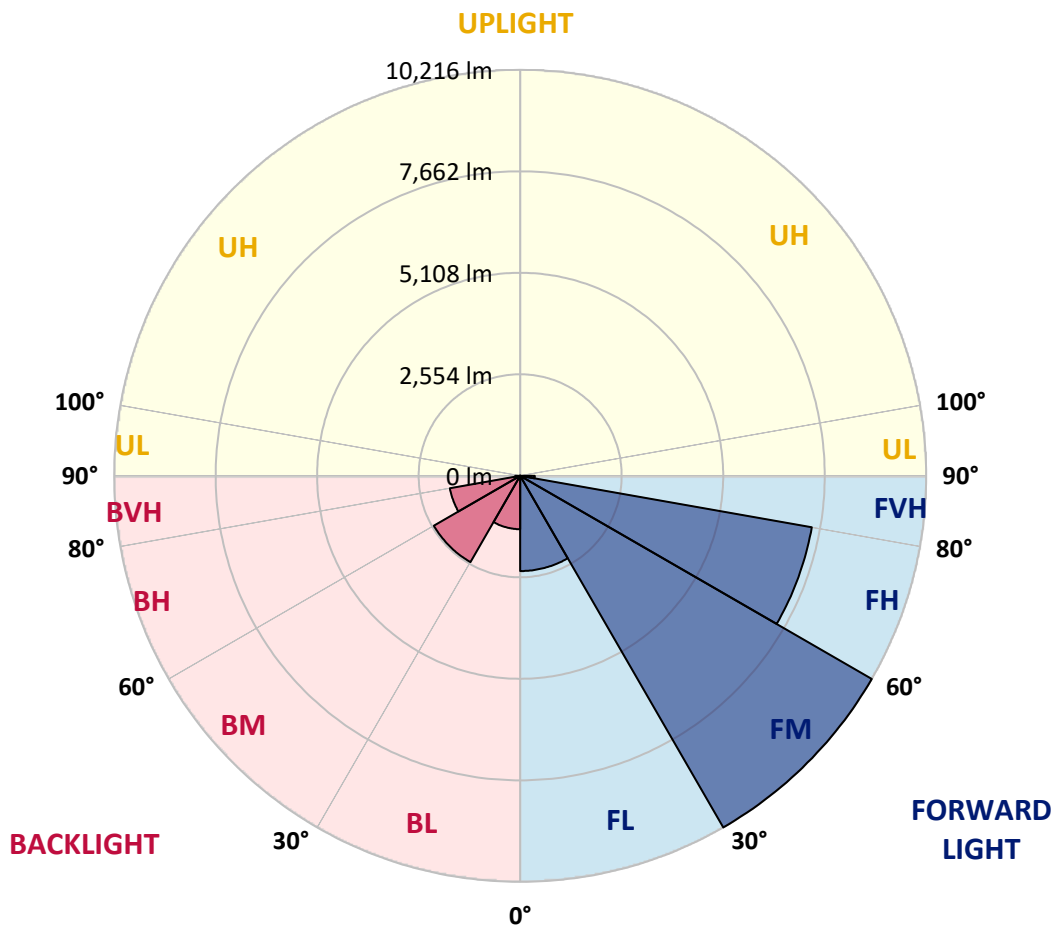
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2396.1	9.1			
FM	(30°-60°)	10216.2	39.0			
FH	(60°-80°)	7451.3	28.4			G3/7500
FVH	(80°-90°)	366.3	1.4			G3/500
BL	(0°-30°)	1342.6	5.1	B3/2500		
BM	(30°-60°)	2506.8	9.6	B3/5000		
BH	(60°-80°)	1794.8	6.9	B3/2500		G3/2500
BVH	(80°-90°)	119.9	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°	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2
2.5°	5261.0	5236.0	5251.3	5245.7	5252.7	5261.0	5263.7	5267.9	5281.8	5280.4	5279.0
5°	5249.9	5224.9	5245.7	5238.8	5256.8	5276.2	5292.8	5308.1	5330.2	5339.9	5326.1
7.5°	5226.3	5209.7	5230.5	5251.3	5284.5	5313.6	5337.2	5371.8	5403.7	5409.2	5418.9
10°	5089.2	5076.7	5125.2	5179.2	5270.7	5349.6	5400.9	5441.1	5475.7	5481.3	5495.1
12.5°	4946.4	4931.2	4985.2	5058.7	5206.9	5349.6	5457.7	5510.4	5540.9	5558.9	5579.6
15°	4922.9	4910.4	4940.9	5004.6	5128.0	5312.2	5496.5	5593.5	5619.8	5640.6	5648.9
17.5°	5036.5	5013.0	5025.4	5047.6	5119.6	5277.6	5527.0	5687.7	5727.9	5750.1	5750.1
20°	5299.8	5266.5	5247.1	5202.8	5190.3	5283.1	5524.2	5801.3	5854.0	5881.7	5888.6
22.5°	5650.3	5628.1	5586.6	5474.3	5352.4	5351.0	5576.9	5946.8	6045.2	6071.5	6054.9
25°	6074.3	6041.0	5988.4	5836.0	5601.8	5485.4	5665.6	6132.5	6297.4	6304.3	6255.8
27.5°	6562.0	6512.1	6440.1	6239.2	5923.3	5696.0	5801.3	6345.9	6586.9	6584.2	6484.4
30°	7076.0	7026.2	6950.0	6706.1	6308.5	5980.1	5989.8	6575.9	6930.6	6915.3	6744.9
32.5°	7451.5	7414.1	7398.9	7210.4	6751.8	6315.4	6205.9	6830.8	7354.5	7340.7	7102.4
35°	7739.7	7691.2	7709.3	7613.6	7235.4	6690.9	6470.6	7134.2	7870.0	7868.6	7572.1
37.5°	8025.2	7982.2	7997.4	7933.7	7682.9	7167.5	6793.4	7505.6	8508.7	8539.2	8140.2
40°	8285.6	8239.9	8300.9	8241.3	8030.7	7674.6	7160.6	7925.4	9248.6	9306.8	8827.4
42.5°	8442.2	8406.2	8507.3	8508.7	8332.8	8102.7	7563.8	8388.2	10104.9	10235.1	9672.6
45°	8496.2	8483.8	8636.2	8668.1	8600.2	8350.8	7926.8	8892.5	11027.7	11260.4	10635.6
47.5°	8438.1	8414.5	8625.1	8742.9	8796.9	8467.2	8227.4	9438.4	11969.8	12310.7	11685.8
50°	8144.3	8098.6	8411.7	8659.7	8852.3	8543.4	8530.9	10068.9	13040.9	13413.6	12741.6
52.5°	7616.4	7581.8	7937.9	8368.8	8730.4	8580.8	8871.7	10757.5	14057.9	14540.1	13823.7
55°	6941.7	6895.9	7288.0	7850.6	8427.0	8568.3	9212.6	11527.9	15257.8	15746.9	14941.9
57.5°	5872.0	5780.6	6276.6	6941.7	7932.3	8553.1	9567.3	12294.1	16477.1	17063.2	16134.8
60°	4311.9	4176.1	4784.3	5572.7	6965.2	8404.8	10006.5	13153.1	17940.2	18468.1	17437.3
62.5°	2510.6	2431.7	2829.3	3565.0	5249.9	7531.9	10253.1	14152.1	19378.4	19932.7	18717.5
65°	1949.5	1927.3	1962.0	2018.8	2922.1	5639.2	9492.5	15126.1	21207.4	21595.3	20051.8
67.5°	1783.2	1766.6	1781.8	1675.1	1482.5	3141.1	7509.7	15372.8	23166.5	23402.1	21219.8
70°	1585.1	1565.7	1615.6	1524.1	1166.6	1428.5	4852.2	14477.7	24725.3	25167.3	22108.0
72.5°	1291.3	1269.2	1385.6	1344.0	982.4	917.2	2437.2	12350.9	24561.8	25479.0	21472.0
75°	992.1	979.6	1118.1	1152.8	800.9	721.9	1169.4	9180.7	21614.7	22538.9	18505.5
77.5°	770.4	760.7	831.3	957.4	645.7	559.8	719.1	5823.5	16288.6	16450.7	12752.7
80°	577.8	550.1	615.2	741.3	503.0	408.7	487.7	3396.0	10296.1	9333.1	5550.5
82.5°	361.6	347.8	401.8	494.6	354.7	281.3	317.3	1876.0	4126.2	2430.3	1071.0
85°	206.4	200.9	218.9	282.7	192.6	162.1	181.5	828.6	753.7	518.2	322.8
87.5°	83.1	80.4	99.8	126.1	70.7	59.6	63.7	199.5	166.3	153.8	106.7
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°	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2	5258.2
2.5°	5273.4	5273.4	5254.0	5223.6	5188.9	5166.7	5130.7	5121.0	5083.6	5072.5	5090.5
5°	5337.2	5326.1	5266.5	5180.6	5062.8	4954.8	4835.6	4760.8	4655.5	4618.1	4645.8
7.5°	5417.5	5387.1	5284.5	5096.1	4849.5	4607.0	4354.8	4163.6	3980.7	3915.6	3923.9
10°	5491.0	5448.0	5273.4	4943.7	4516.9	4097.1	3695.3	3414.0	3200.6	3113.4	3132.7
12.5°	5564.4	5485.4	5200.0	4690.1	4044.4	3475.0	3046.8	2827.9	2696.3	2591.0	2625.6
15°	5633.7	5522.8	5086.4	4350.7	3526.2	2948.5	2632.6	2458.0	2352.7	2283.4	2295.9
17.5°	5714.0	5554.7	4916.0	3919.7	3033.0	2584.1	2326.4	2221.1	2200.3	2192.0	2197.5
20°	5826.3	5583.8	4691.5	3437.6	2670.0	2293.1	2160.1	2150.4	2149.0	2144.8	2158.7
22.5°	5946.8	5618.4	4395.0	2999.7	2361.0	2111.6	2088.0	2068.6	2056.2	2054.8	2070.0
25°	6089.5	5629.5	4023.7	2640.9	2097.7	2025.7	1998.0	1968.9	1960.6	1960.6	1968.9
27.5°	6228.1	5592.1	3591.4	2329.1	1949.5	1946.7	1910.7	1901.0	1899.6	1903.8	1914.8
30°	6366.6	5521.5	3161.8	2040.9	1863.6	1863.6	1851.1	1858.0	1863.6	1877.4	1887.1
32.5°	6553.7	5446.6	2803.0	1827.6	1788.8	1774.9	1787.4	1801.2	1806.8	1824.8	1840.0
35°	6828.0	5394.0	2517.6	1711.2	1711.2	1693.2	1700.1	1697.3	1684.8	1676.5	1695.9
37.5°	7191.1	5391.2	2282.0	1657.1	1646.0	1643.3	1644.7	1626.6	1578.2	1520.0	1521.3
40°	7627.5	5466.0	2100.5	1619.7	1611.4	1628.0	1619.7	1571.2	1438.2	1337.1	1334.3
42.5°	8213.6	5679.4	1984.1	1574.0	1598.9	1619.7	1586.5	1418.8	1328.8	1260.9	1258.1
45°	8903.6	6025.8	1924.5	1525.5	1575.4	1600.3	1439.6	1366.2	1294.1	1212.4	1206.8
47.5°	9685.1	6462.2	1910.7	1479.8	1522.7	1538.0	1377.2	1344.0	1262.2	1173.6	1166.6
50°	10535.8	6979.1	1948.1	1425.7	1446.5	1393.9	1356.5	1326.0	1241.5	1154.2	1144.5
52.5°	11415.6	7548.5	2022.9	1352.3	1370.3	1312.1	1348.1	1321.8	1229.0	1111.2	1102.9
55°	12280.2	8122.1	2095.0	1266.4	1292.7	1238.7	1324.6	1305.2	1172.2	1039.2	1032.2
57.5°	13158.7	8693.0	2165.6	1190.2	1217.9	1168.0	1287.2	1260.9	1108.4	972.7	969.9
60°	14071.7	9247.2	2198.9	1116.8	1136.2	1102.9	1230.4	1184.7	1036.4	904.8	900.6
62.5°	14926.6	9708.6	2144.8	1043.3	1055.8	1041.9	1155.6	1094.6	964.3	828.6	827.2
65°	15784.3	9983.0	1978.6	971.3	974.0	967.1	1050.3	997.6	879.8	762.1	753.7
67.5°	16561.6	10136.7	1713.9	893.7	886.8	884.0	951.9	892.3	798.1	695.6	687.2
70°	16726.5	9746.0	1309.4	802.2	802.2	795.3	843.8	782.8	708.0	624.9	622.1
72.5°	15277.2	8198.4	929.7	698.3	709.4	695.6	735.7	684.5	616.6	561.2	544.5
75°	12319.0	6011.9	676.2	591.6	611.0	587.5	624.9	588.9	530.7	529.3	476.6
77.5°	8464.4	3717.5	490.5	487.7	501.6	471.1	514.0	494.6	442.0	418.4	392.1
80°	3612.2	1482.5	357.5	376.9	376.9	349.2	399.0	404.6	358.9	347.8	347.8
82.5°	719.1	421.2	250.8	259.1	243.9	235.5	282.7	313.1	432.3	480.8	482.2
85°	216.1	155.2	151.0	141.3	124.7	126.1	166.3	314.5	388.0	221.7	191.2
87.5°	59.6	38.8	40.2	31.9	26.3	34.6	56.8	238.3	130.2	55.4	47.1
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)