

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: P956270

Luminaire Tested: **GALN-SB9A-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34205 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 255.5
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



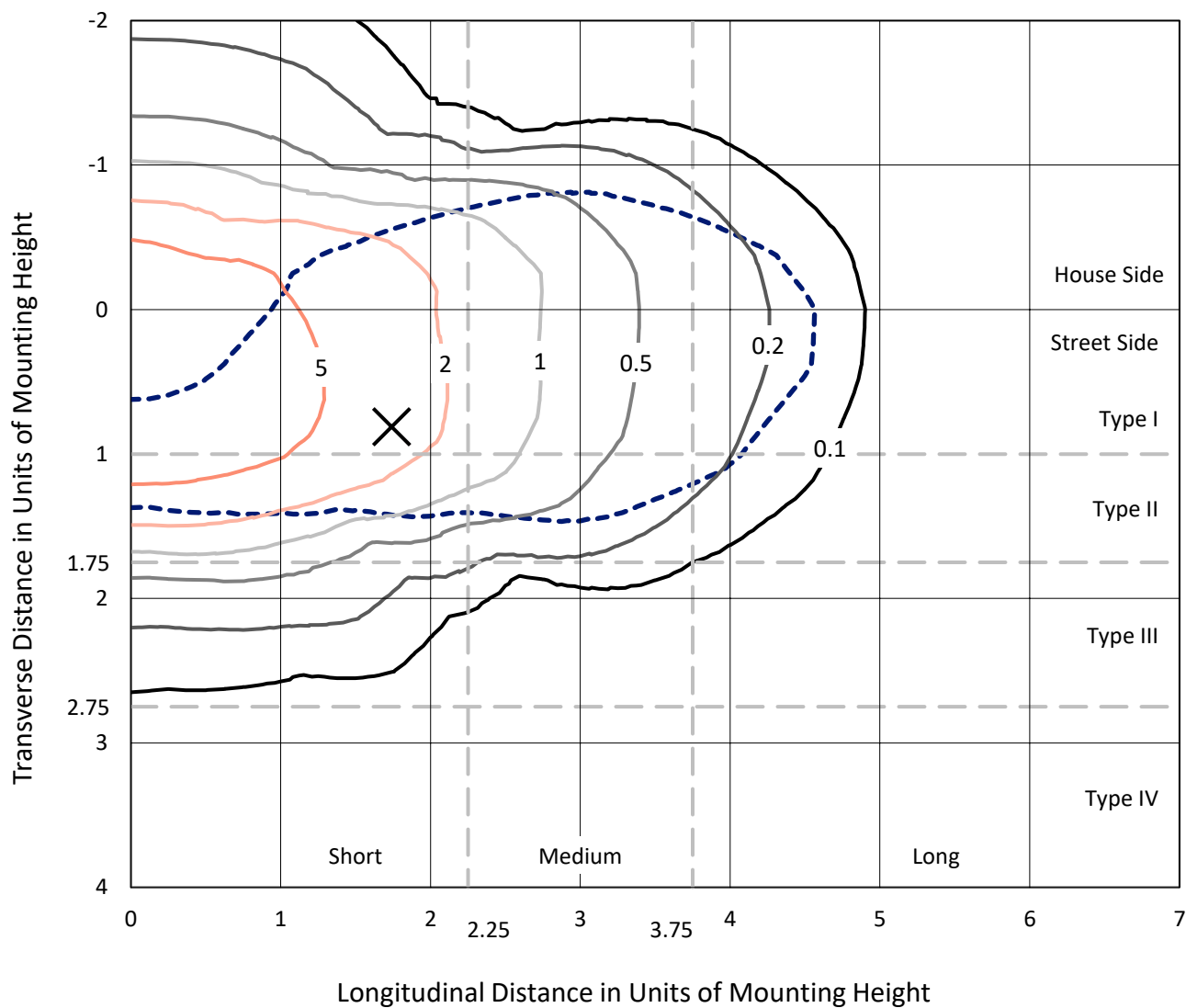
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

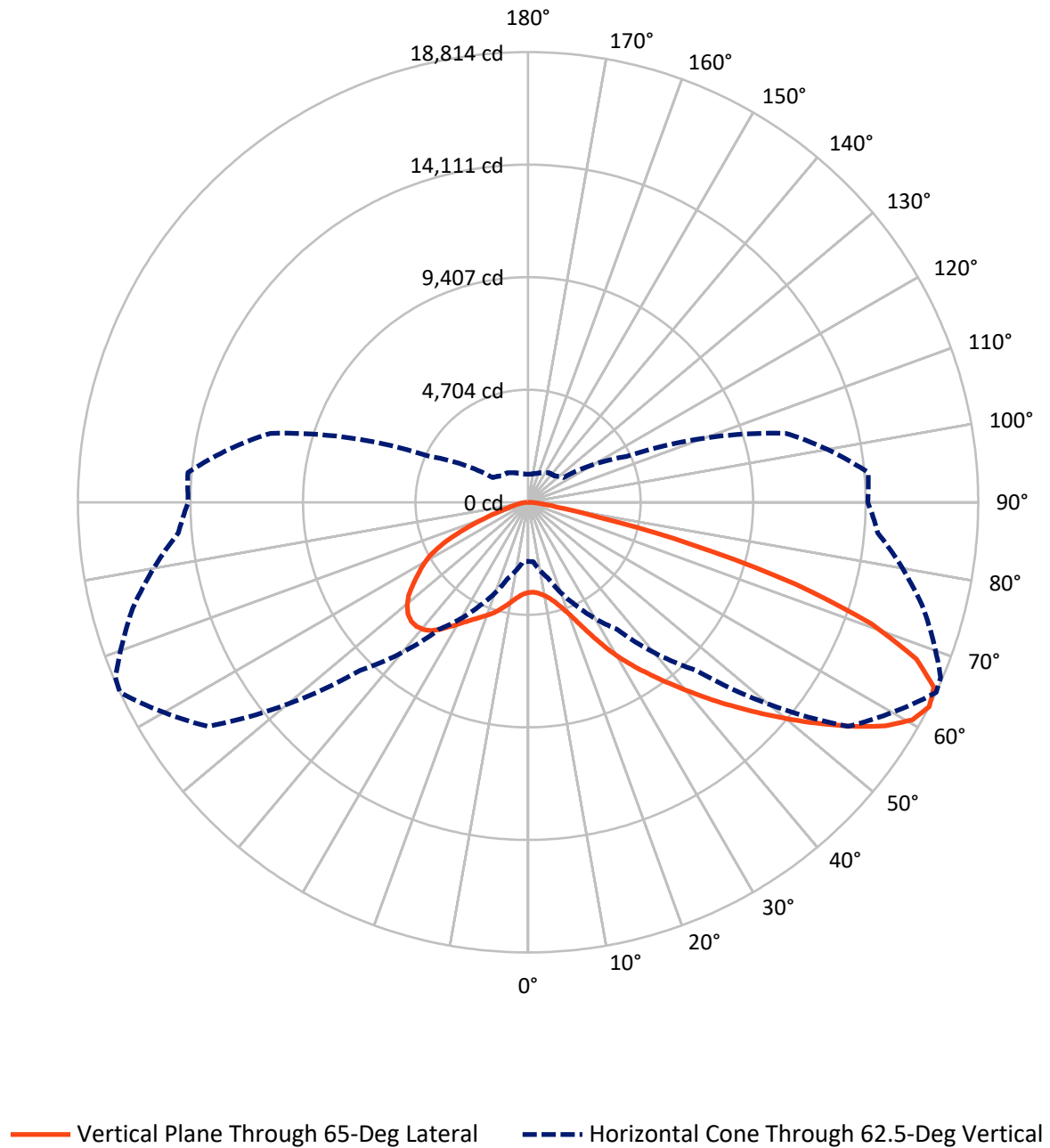


Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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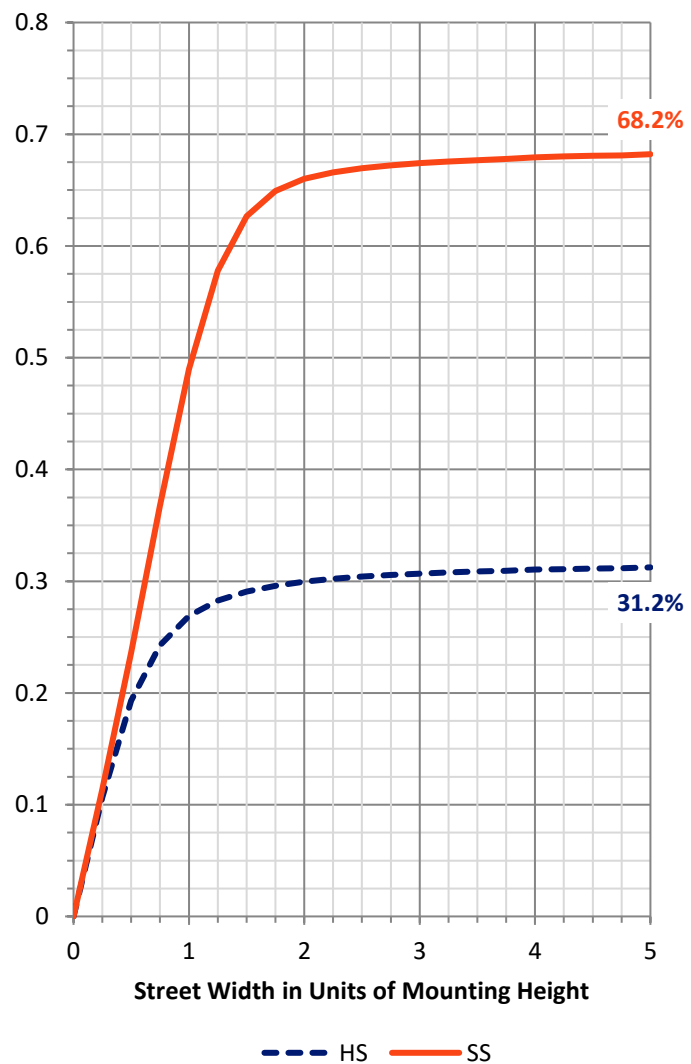
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10793.6	0.0	10793.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	23411.4	0.0	23411.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	34205.0	0.0	34205.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.8	1.1
10°-20°	1274.3	3.7
20°-30°	2583.9	7.6
30°-40°	4471.3	13.1
40°-50°	6766.5	19.8
50°-60°	7933.3	23.2
60°-70°	6651.1	19.4
70°-80°	3671.9	10.7
80°-90°	477.0	1.4
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°	34205.0	100.0
0°-180°	34205.0	100.0

Coefficient of Utilization



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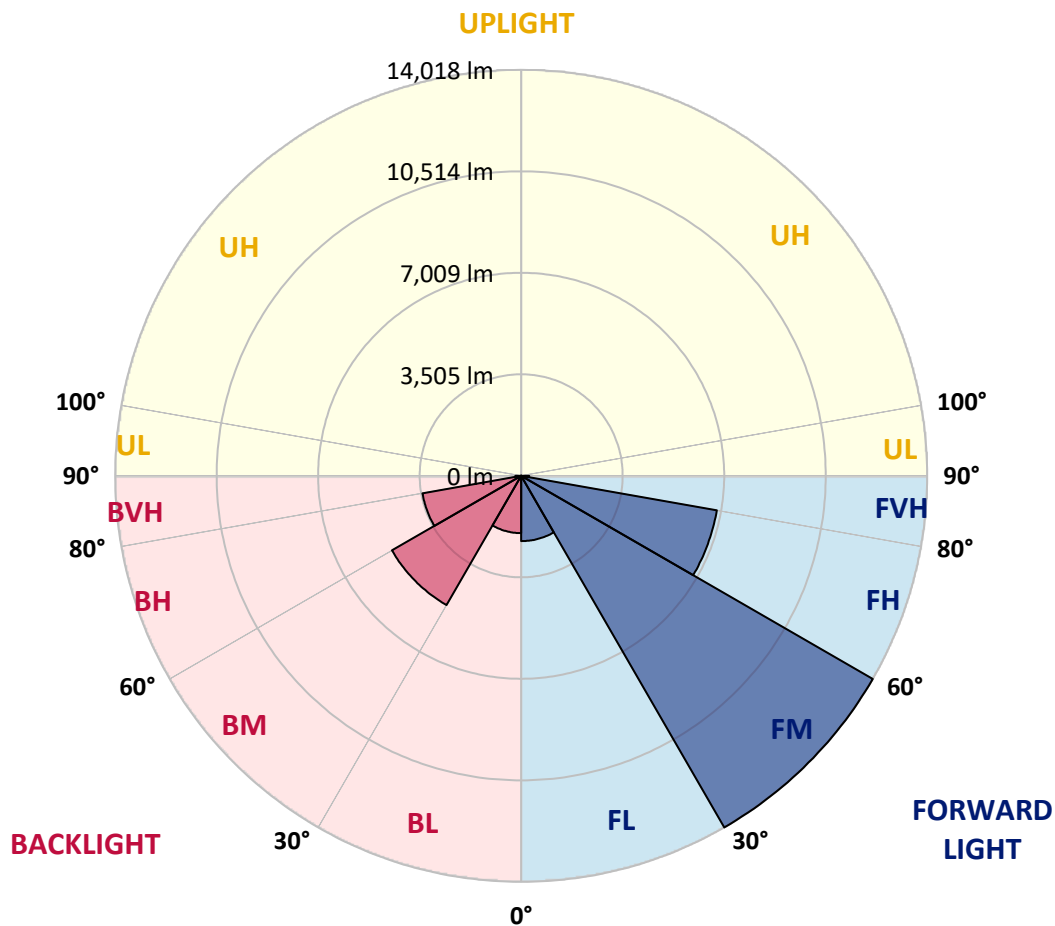
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2254.6	6.6			
FM	(30°-60°)	14018.3	41.0			
FH	(60°-80°)	6860.5	20.1			G3/7500
FVH	(80°-90°)	278.0	0.8			G3/500
BL	(0°-30°)	1979.4	5.8	B3/2500		
BM	(30°-60°)	5152.7	15.1	B4/8500		
BH	(60°-80°)	3462.5	10.1	B4/5000		G4/5000
BVH	(80°-90°)	199.0	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2
2.5°	3744.4	3733.8	3742.6	3742.6	3746.2	3744.4	3756.8	3760.4	3765.7	3776.3	3776.3
5°	3707.1	3705.4	3721.3	3735.5	3749.7	3762.1	3778.1	3801.2	3804.7	3817.2	3833.1
7.5°	3694.7	3684.1	3708.9	3726.7	3760.4	3790.5	3833.1	3872.2	3888.1	3893.5	3923.6
10°	3790.5	3772.8	3795.9	3806.5	3834.9	3865.1	3914.8	3976.9	3994.6	4015.9	4049.6
12.5°	3953.8	3934.3	3968.0	3984.0	4010.6	4037.2	4070.9	4131.3	4140.1	4179.2	4211.1
15°	4177.4	4154.3	4175.6	4195.1	4239.5	4264.4	4298.1	4356.6	4356.6	4386.8	4409.9
17.5°	4480.9	4450.7	4466.7	4473.8	4502.2	4539.4	4596.2	4647.7	4674.3	4663.6	4631.7
20°	4933.4	4896.1	4896.1	4860.6	4850.0	4880.1	4954.7	5025.7	5054.1	4999.0	4921.0
22.5°	5613.0	5559.8	5529.6	5409.0	5361.1	5364.6	5439.1	5526.1	5549.2	5451.6	5275.9
25°	6477.3	6393.9	6353.1	6175.6	6067.3	5973.3	6031.9	6143.7	6175.6	6054.9	5771.0
27.5°	7341.5	7346.8	7307.8	7094.8	6915.6	6743.5	6713.3	6830.4	6864.1	6727.5	6376.1
30°	8553.6	8427.6	8353.0	8097.5	7841.9	7600.6	7476.4	7524.3	7533.2	7369.9	6961.7
32.5°	9598.8	9566.8	9407.1	9183.5	8855.2	8477.2	8269.6	8193.3	8179.1	7946.6	7462.2
35°	10789.5	10771.8	10603.2	10337.0	9982.1	9456.8	9082.4	8864.1	8846.4	8519.8	7957.3
37.5°	11999.8	11999.8	11834.8	11543.7	11176.4	10519.8	9950.2	9604.1	9547.3	9121.4	8461.3
40°	12965.2	12906.6	12936.8	12814.4	12393.8	11696.4	10913.8	10411.6	10335.2	9824.2	8997.2
42.5°	13513.6	13494.0	13675.0	13811.7	13639.5	13082.3	11975.0	11286.4	11180.0	10597.9	9614.8
45°	13636.0	13614.7	13937.7	14438.1	14679.5	14450.5	13128.5	12207.4	12077.9	11407.1	10276.7
47.5°	13353.8	13311.2	13785.1	14574.8	15348.5	15751.3	14377.8	13206.5	13018.4	12195.0	10956.4
50°	12505.6	12464.8	13181.7	14230.5	15573.9	16635.1	15733.6	14266.0	13978.5	13039.7	11643.1
52.5°	10661.8	10681.3	11804.6	13245.6	15277.5	17185.2	16901.3	15382.2	15036.2	13904.0	12287.3
55°	8305.1	8347.7	9728.3	11314.8	14092.1	17101.8	17698.0	16532.1	16187.9	14716.7	12952.8
57.5°	5946.7	6134.8	7428.5	8999.0	11815.3	15779.7	17872.0	17625.3	17291.7	15604.0	13604.1
60°	3854.4	3888.1	5219.1	6802.0	8997.2	13430.1	17518.8	18454.0	18193.2	16509.1	14148.9
62.5°	2470.2	2493.3	3304.3	4757.7	6475.5	9936.0	16329.8	18814.3	18734.4	17107.1	14672.4
65°	1815.4	1797.7	2220.0	3144.6	4362.0	6127.7	14021.1	18640.4	18798.3	17481.5	15105.4
67.5°	1515.5	1490.7	1698.3	2177.4	3213.8	3480.0	10374.3	17509.9	18088.5	17439.0	15423.0
70°	1380.6	1359.3	1485.3	1616.7	2507.5	2330.0	5229.7	15222.5	16113.3	16954.5	15371.6
72.5°	1169.5	1132.2	1304.3	1435.6	1950.3	1787.0	2161.5	11692.8	12778.9	15401.7	14647.5
75°	906.8	882.0	1029.3	1263.5	1465.8	1394.8	1366.4	7100.2	8285.6	11911.1	12814.4
77.5°	718.7	685.0	819.9	984.9	1318.5	1052.3	995.5	3057.6	4232.4	7604.1	9588.1
80°	541.3	511.1	622.9	779.0	1013.3	793.2	644.2	1247.5	1595.4	3852.6	4821.6
82.5°	385.1	358.5	434.8	571.4	681.4	711.6	395.7	699.2	786.1	1485.3	1077.2
85°	246.7	230.7	291.0	358.5	433.0	457.8	241.3	365.6	401.1	612.2	449.0
87.5°	134.9	110.0	156.2	166.8	200.5	182.8	115.3	133.1	143.7	221.8	189.9
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°	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2	3769.2
2.5°	3783.4	3788.8	3806.5	3811.8	3824.3	3840.2	3850.9	3861.5	3861.5	3872.2	3872.2
5°	3834.9	3847.3	3884.6	3904.1	3936.1	3968.0	3987.5	4010.6	4024.8	4031.9	4035.4
7.5°	3934.3	3953.8	4007.0	4040.8	4095.8	4140.1	4170.3	4202.2	4209.3	4228.9	4221.8
10°	4069.1	4092.2	4152.6	4216.4	4282.1	4337.1	4365.5	4388.6	4397.4	4401.0	4392.1
12.5°	4223.5	4257.3	4335.3	4413.4	4482.6	4530.5	4537.6	4532.3	4507.5	4486.2	4486.2
15°	4413.4	4443.6	4530.5	4615.7	4683.2	4692.0	4647.7	4619.3	4589.1	4583.8	4583.8
17.5°	4640.6	4656.5	4736.4	4819.8	4825.1	4795.0	4729.3	4702.7	4674.3	4654.8	4656.5
20°	4905.0	4899.7	4956.4	4991.9	4954.7	4862.4	4763.0	4718.7	4690.3	4667.2	4669.0
22.5°	5220.9	5180.0	5172.9	5164.1	5064.7	4871.3	4736.4	4679.6	4635.2	4603.3	4614.0
25°	5680.5	5524.3	5416.1	5355.7	5132.1	4823.4	4651.2	4525.2	4441.8	4386.8	4408.1
27.5°	6255.5	5992.8	5719.5	5572.2	5132.1	4725.8	4445.4	4241.3	4104.6	4047.9	4076.2
30°	6803.8	6528.7	6125.9	5833.1	5119.7	4566.0	4113.5	3829.6	3669.9	3613.1	3646.8
32.5°	7272.3	6972.4	6557.1	6118.8	5089.5	4306.9	3701.8	3387.7	3233.3	3165.9	3199.6
35°	7707.1	7387.6	6990.1	6432.9	5009.7	3927.2	3249.3	3009.7	2837.6	2729.3	2764.8
37.5°	8152.5	7772.7	7400.1	6716.8	4865.9	3483.5	2901.5	2697.4	2495.1	2349.6	2388.6
40°	8637.0	8182.7	7838.4	6885.4	4629.9	3061.2	2631.7	2445.4	2230.7	2076.3	2106.4
42.5°	9203.1	8674.2	8326.4	6972.4	4306.9	2761.3	2456.0	2273.3	2071.0	1945.0	1969.8
45°	9794.0	9215.5	8771.8	6970.6	3946.7	2621.1	2399.3	2218.2	1994.6	1863.3	1884.6
47.5°	10413.3	9781.6	9156.9	6857.0	3634.4	2640.6	2367.3	2099.3	1852.7	1724.9	1742.7
50°	11034.4	10400.9	9529.6	6644.1	3501.3	2598.0	2248.4	1932.5	1641.5	1526.2	1533.3
52.5°	11650.2	11059.3	9850.8	6340.6	3366.4	2440.1	2095.8	1716.0	1554.5	1474.7	1474.7
55°	12269.6	11710.6	10200.4	5898.8	3029.2	2255.5	1840.3	1634.4	1485.3	1412.6	1405.5
57.5°	12890.7	12463.0	10532.2	5456.9	2605.1	2028.4	1700.1	1535.0	1416.1	1354.0	1343.4
60°	13536.6	13323.7	10874.7	5050.5	2186.3	1737.3	1597.1	1455.2	1334.5	1265.3	1260.0
62.5°	14202.1	14271.3	11142.7	4527.0	1801.2	1559.9	1504.9	1359.3	1242.2	1176.6	1174.8
65°	14872.9	15185.2	11318.4	3801.2	1460.5	1391.3	1405.5	1254.6	1135.7	1079.0	1077.2
67.5°	15378.7	15843.6	11268.7	2876.6	1197.9	1231.6	1281.3	1144.6	1032.8	988.5	990.2
70°	15435.4	15765.5	10778.9	1969.8	1002.6	1075.4	1142.8	1036.4	921.0	889.1	890.8
72.5°	14679.5	14700.8	9414.2	1286.6	848.3	944.1	997.3	926.3	814.5	782.6	780.8
75°	12697.2	12157.8	6912.1	848.3	709.8	811.0	860.7	811.0	702.7	709.8	685.0
77.5°	9620.1	8610.3	4196.9	603.4	592.7	681.4	748.9	713.4	621.1	697.4	614.0
80°	4956.4	4658.3	1872.2	450.7	468.5	544.8	615.8	569.6	491.6	468.5	427.7
82.5°	1135.7	1320.3	738.2	323.0	338.9	392.2	470.3	427.7	353.1	298.1	294.6
85°	397.5	434.8	326.5	202.3	198.8	244.9	319.4	285.7	239.6	191.7	202.3
87.5°	126.0	165.0	122.4	81.6	85.2	110.0	147.3	134.9	111.8	72.8	76.3
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)