

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: P956982

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956982
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-SB9C-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 57396 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - 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

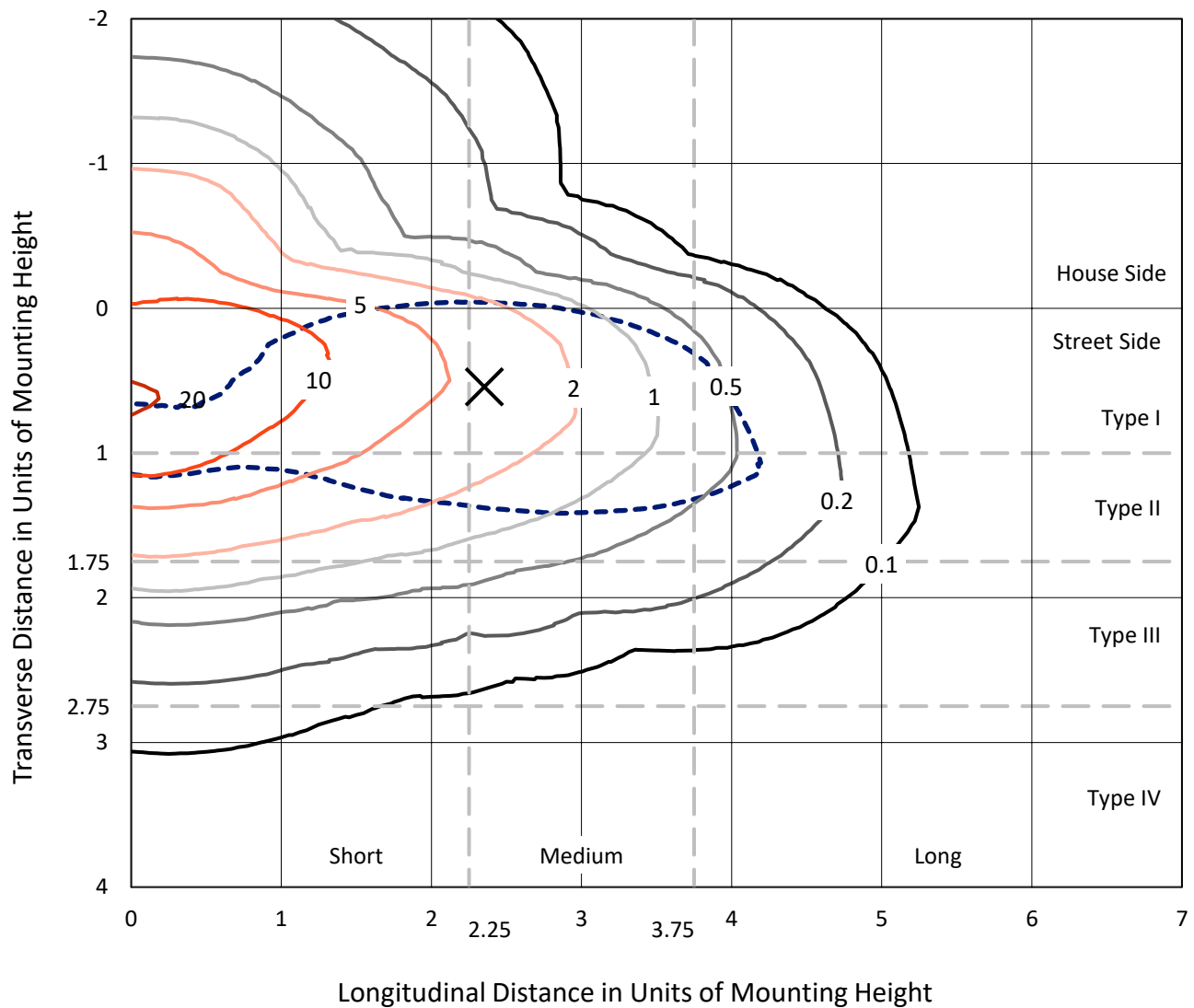


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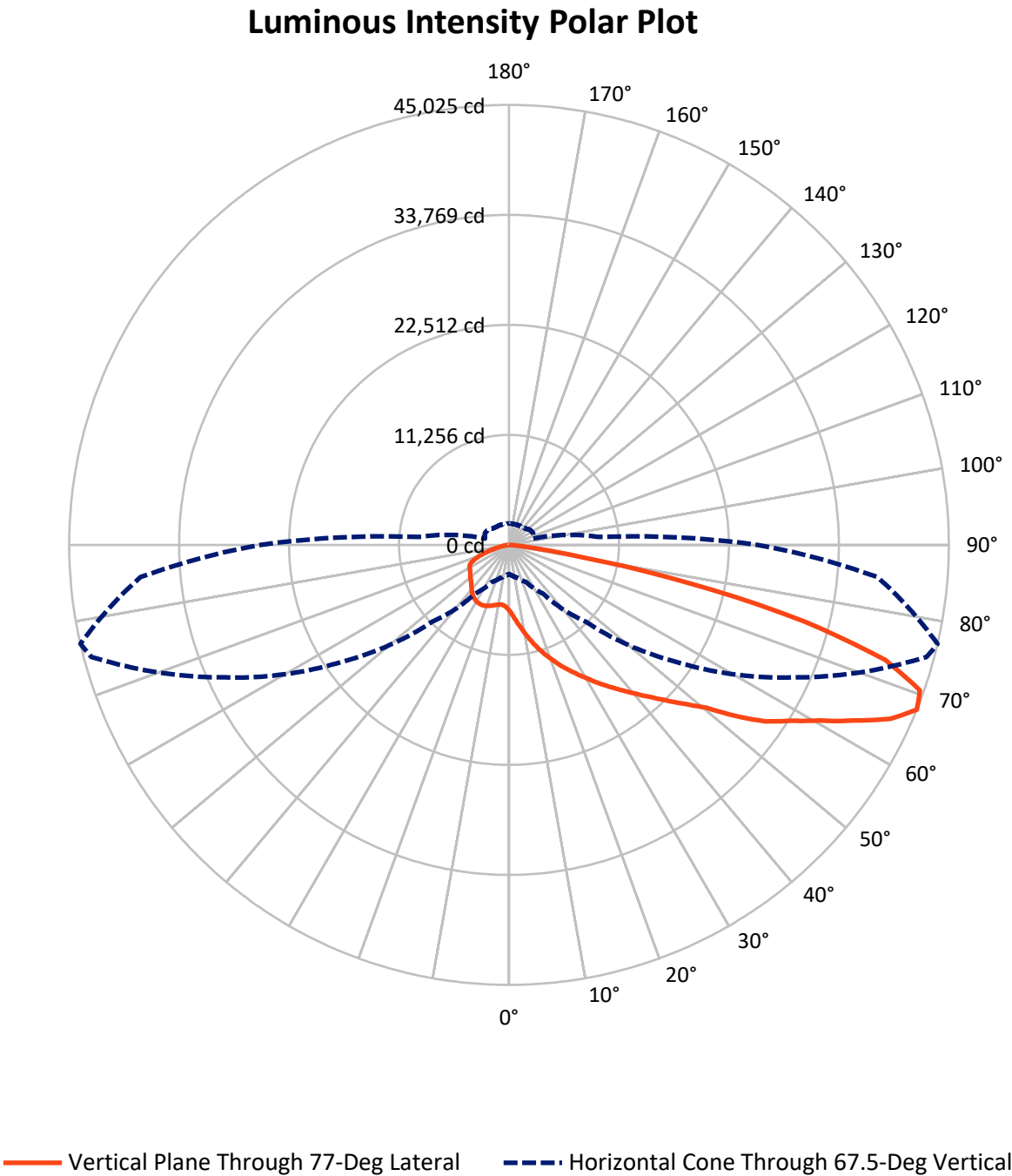
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21 fc
Type II - Medium - N/A

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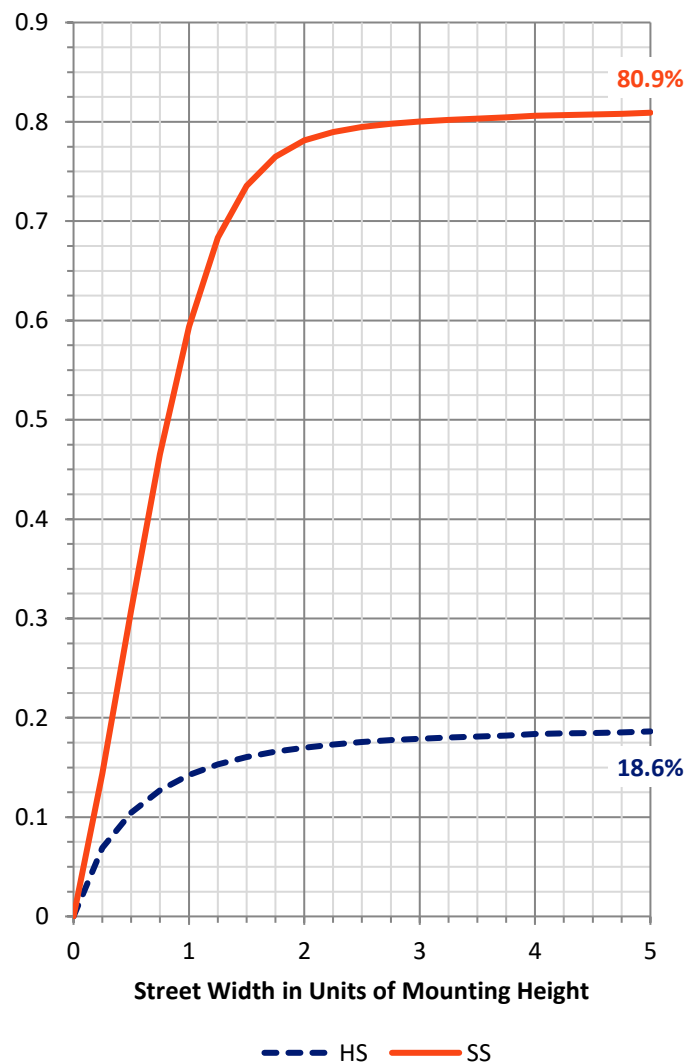
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10857.0	0.0	10857.0
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	46539.0	0.0	46539.0
	% Fixture	81.1	0.0	81.1
Total	Lumens	57396.0	0.0	57396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.8	1.3
10°-20°	2593.2	4.5
20°-30°	4896.3	8.5
30°-40°	7887.9	13.7
40°-50°	10789.2	18.8
50°-60°	12170.2	21.2
60°-70°	11359.4	19.8
70°-80°	6226.9	10.8
80°-90°	751.1	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°	57396.0	100.0
0°-180°	57396.0	100.0

Coefficient of Utilization



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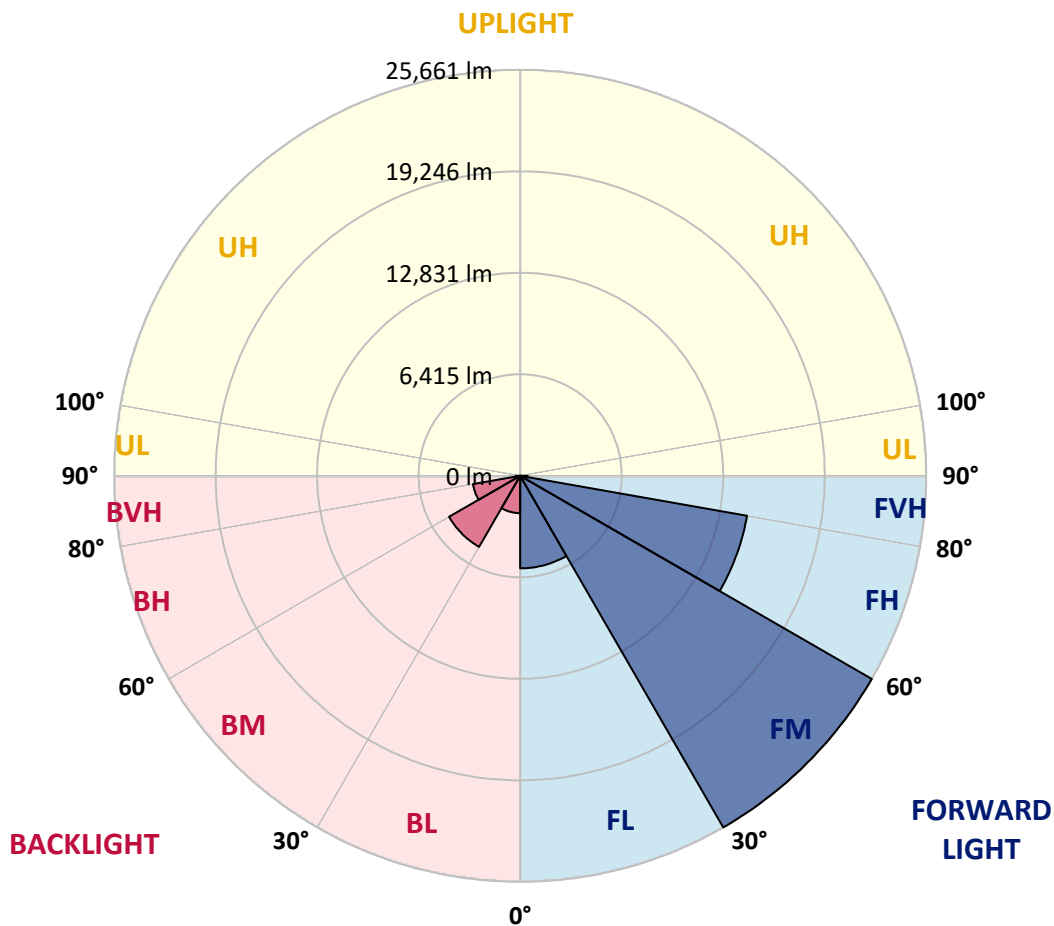
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5850.8	10.2			
FM	(30°-60°)	25661.1	44.7			
FH	(60°-80°)	14557.3	25.4			G5
FVH	(80°-90°)	469.7	0.8			G3/500
BL	(0°-30°)	2360.6	4.1	B3/2500		
BM	(30°-60°)	5186.1	9.0	B4/8500		
BH	(60°-80°)	3029.0	5.3	B4/5000		G4/5000
BVH	(80°-90°)	281.4	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3
2.5°	8432.0	8491.2	8417.2	8417.2	8168.3	8037.9	7789.1	7599.5	7258.7	7199.5	6974.3
5°	9966.7	10040.8	9937.1	9892.6	9599.3	9329.7	8912.0	8500.1	7892.8	7830.6	7300.2
7.5°	11154.8	11249.6	11157.7	11110.3	10849.6	10547.4	10058.5	9483.8	8627.5	8506.1	7738.7
10°	12123.6	12138.4	12108.8	12126.5	11922.1	11673.2	11172.5	10503.0	9433.4	9267.5	8269.0
12.5°	12671.7	12739.8	12799.1	12905.7	12870.2	12716.1	12265.8	11465.8	10286.7	10073.4	8846.8
15°	12929.4	13048.0	13181.3	13427.2	13625.7	13664.2	13320.5	12499.8	11154.8	10897.0	9430.4
17.5°	13021.3	13133.9	13344.2	13699.8	14126.4	14413.8	14259.7	13504.2	12014.0	11717.7	10043.7
20°	13486.4	13519.0	13646.4	13984.2	14446.4	14923.4	15038.9	14470.1	12864.3	12529.5	10677.8
22.5°	14481.9	14416.7	14452.3	14606.4	14938.2	15400.4	15664.1	15323.4	13738.3	13353.1	11317.7
25°	16126.3	15936.6	15747.0	15569.3	15738.1	15998.9	16298.1	16176.6	14653.8	14164.9	11963.6
27.5°	18203.1	17972.1	17554.3	16970.6	16766.2	16858.1	16991.4	16967.7	15501.1	15006.3	12630.2
30°	20247.4	19977.8	19480.1	18635.7	18096.5	17853.5	17752.8	17684.7	16422.5	15895.2	13302.8
32.5°	21879.9	21666.6	21177.7	20232.6	19450.5	19035.7	18700.9	18457.9	17385.4	16858.1	14013.8
35°	23308.0	23109.5	22549.5	21518.5	20668.2	20226.7	19788.2	19269.7	18386.8	17853.5	14778.2
37.5°	24611.6	24413.1	23645.7	22573.2	21717.0	21411.8	21020.7	20140.8	19391.2	18887.5	15587.0
40°	25435.2	25390.8	24673.8	23459.1	22570.2	22419.1	22288.8	21151.1	20505.2	20037.1	16475.9
42.5°	25645.6	25743.3	25174.5	24176.1	23328.7	23207.2	23512.4	22294.7	21755.5	21308.1	17483.2
45°	25138.9	25420.4	25047.1	24368.6	23867.9	23802.7	24596.8	23545.0	23139.1	22730.2	18697.9
47.5°	23856.1	24333.1	24179.0	24084.2	24013.1	24294.6	25550.8	24872.3	24706.4	24350.9	20084.5
50°	21266.6	22170.3	22439.9	23038.4	23725.7	24676.8	26418.9	26321.1	26537.4	26178.9	21773.3
52.5°	16789.9	18034.3	19598.6	21097.8	22842.8	24549.4	27372.9	28400.9	29313.5	29117.9	24457.5
55°	13859.8	14419.7	15622.6	18372.0	21130.3	24013.1	27802.5	30080.8	32068.8	31894.0	26492.9
57.5°	11608.1	12108.8	12849.5	15145.6	18540.9	22795.4	28069.1	31105.9	33956.1	33938.3	28501.7
60°	9193.4	9723.8	10482.2	12108.8	15515.9	20691.9	28009.9	32273.3	36364.8	36512.9	30951.9
62.5°	6467.7	7051.3	7892.8	9409.7	12425.8	17966.1	26801.0	33117.6	39200.2	39603.1	33899.8
65°	4251.5	4636.7	5270.7	6580.3	9258.6	14461.2	24493.1	33227.3	42234.0	42915.5	36667.0
67.5°	2980.5	3128.7	3502.0	4213.0	6103.3	11089.6	20816.3	32092.5	44257.6	45024.9	37866.9
70°	2325.8	2399.8	2589.4	2873.9	3833.8	7457.2	15951.5	29141.6	43825.0	44625.0	36613.7
72.5°	2008.7	2079.9	2151.0	2186.5	2571.7	4604.1	10805.2	24365.7	39751.2	40293.4	31834.8
75°	1822.1	1839.9	1899.1	1887.3	1961.3	2986.5	6236.6	17752.8	31363.7	31177.0	23500.5
77.5°	1531.7	1555.4	1653.2	1638.4	1742.1	2041.3	3238.3	11457.0	20333.4	19065.3	13080.5
80°	1297.7	1309.5	1416.2	1398.4	1514.0	1478.4	1653.2	5839.6	8624.6	7306.1	3771.6
82.5°	450.3	557.0	1081.4	1114.0	1155.5	894.8	954.0	2382.1	2633.9	2017.6	791.1
85°	219.2	234.1	551.1	782.2	779.2	450.3	465.2	850.3	829.6	651.8	263.7
87.5°	35.6	44.4	65.2	305.2	242.9	118.5	160.0	165.9	171.8	148.1	59.3
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°	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3	6734.3
2.5°	6808.4	6660.3	6349.2	6061.8	5836.6	5620.3	5498.9	5395.2	5335.9	5324.1	5324.1
5°	6992.1	6686.9	6121.0	5644.0	5333.0	5101.9	4980.4	4903.4	4864.8	4841.1	4838.2
7.5°	7255.8	6808.4	6002.5	5460.4	5134.4	4968.5	4906.3	4894.5	4891.5	4894.5	4903.4
10°	7620.2	7006.9	5990.7	5415.9	5143.3	5051.5	5048.5	5051.5	5063.3	5066.3	5069.3
12.5°	8014.2	7211.3	6038.1	5454.4	5255.9	5205.6	5196.7	5193.7	5202.6	5208.5	5211.5
15°	8443.8	7480.9	6118.1	5537.4	5380.4	5327.0	5318.1	5300.4	5297.4	5294.4	5291.5
17.5°	8885.3	7747.6	6207.0	5626.3	5460.4	5386.3	5353.7	5312.2	5279.6	5270.7	5279.6
20°	9332.7	8011.3	6269.2	5670.7	5466.3	5362.6	5297.4	5226.3	5170.0	5137.4	5149.3
22.5°	9809.7	8286.8	6307.7	5658.9	5412.9	5270.7	5152.2	5069.3	4983.3	4927.1	4930.0
25°	10274.8	8526.8	6304.7	5596.6	5309.3	5128.5	4977.4	4870.8	4752.3	4693.0	4693.0
27.5°	10722.2	8743.1	6230.7	5487.0	5161.1	4959.6	4778.9	4651.5	4536.0	4479.7	4476.7
30°	11184.4	8923.8	6115.1	5327.0	4986.3	4764.1	4565.6	4456.0	4352.3	4299.0	4296.0
32.5°	11643.6	9089.7	5952.2	5128.5	4784.8	4571.5	4376.0	4275.3	4213.0	4213.0	4216.0
35°	12129.5	9205.3	5735.9	4897.4	4571.5	4367.1	4213.0	4153.8	4147.9	4112.3	4103.4
37.5°	12642.1	9279.3	5472.2	4660.4	4361.2	4168.6	4121.2	4050.1	3990.8	3913.8	3901.9
40°	13181.3	9353.4	5155.2	4414.5	4139.0	4032.3	4011.6	3916.8	3747.9	3558.3	3531.6
42.5°	13836.0	9403.8	4826.3	4168.6	3904.9	3869.4	3899.0	3736.0	3466.4	3324.2	3327.2
45°	14594.5	9486.7	4524.1	3925.6	3664.9	3664.9	3789.4	3576.0	3353.8	3265.0	3279.8
47.5°	15578.1	9679.3	4242.7	3659.0	3442.7	3502.0	3546.4	3383.5	3259.0	3149.4	3146.4
50°	17000.3	10141.5	3952.3	3389.4	3273.8	3392.4	3330.1	3235.3	3090.1	3001.3	2992.4
52.5°	18766.1	10414.1	3694.6	3146.4	3128.7	3247.2	3158.3	3069.4	2959.8	2841.3	2817.6
55°	19968.9	10464.4	3478.3	2968.7	3030.9	3019.0	2986.5	2906.5	2847.2	2690.2	2693.1
57.5°	21314.0	10565.2	3300.5	2862.0	2968.7	2838.3	2826.5	2758.3	2681.3	2574.6	2539.1
60°	22922.8	10722.2	3146.4	2820.5	2915.3	2719.8	2660.6	2633.9	2556.9	2503.5	2518.3
62.5°	24676.8	10864.4	2989.4	2826.5	2853.1	2604.3	2515.4	2506.5	2459.1	2441.3	2441.3
65°	25873.7	10476.3	2793.9	2820.5	2755.4	2485.7	2373.2	2370.2	2331.7	2325.8	2322.8
67.5°	25456.0	9246.7	2530.2	2737.6	2654.6	2367.2	2242.8	2231.0	2180.6	2183.5	2183.5
70°	23364.3	7492.8	2165.8	2533.2	2530.2	2260.6	2106.5	2068.0	1999.9	2011.7	2023.6
72.5°	19441.6	5552.2	1676.9	2192.4	2331.7	2162.8	1949.5	1887.3	1801.4	1813.2	1810.2
75°	14040.5	3774.5	1220.7	1668.0	2029.5	2047.3	1795.4	1688.8	1585.1	1602.8	1608.8
77.5°	7184.7	2139.1	897.7	1149.5	1594.0	1860.6	1656.2	1514.0	1490.3	1656.2	1632.5
80°	2343.5	1072.5	622.2	805.9	1045.9	1522.9	1451.7	1288.8	1282.9	1321.4	1134.7
82.5°	699.2	453.3	400.0	530.3	577.7	1167.3	1253.2	974.7	838.5	882.9	912.5
85°	240.0	219.2	228.1	263.7	275.5	684.4	877.0	645.9	610.3	672.5	663.7
87.5°	56.3	77.0	65.2	59.3	59.3	165.9	340.7	269.6	373.3	248.9	240.0
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)