

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: P952703

Luminaire Tested: **GALN-SB6C-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28898 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 300.9
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



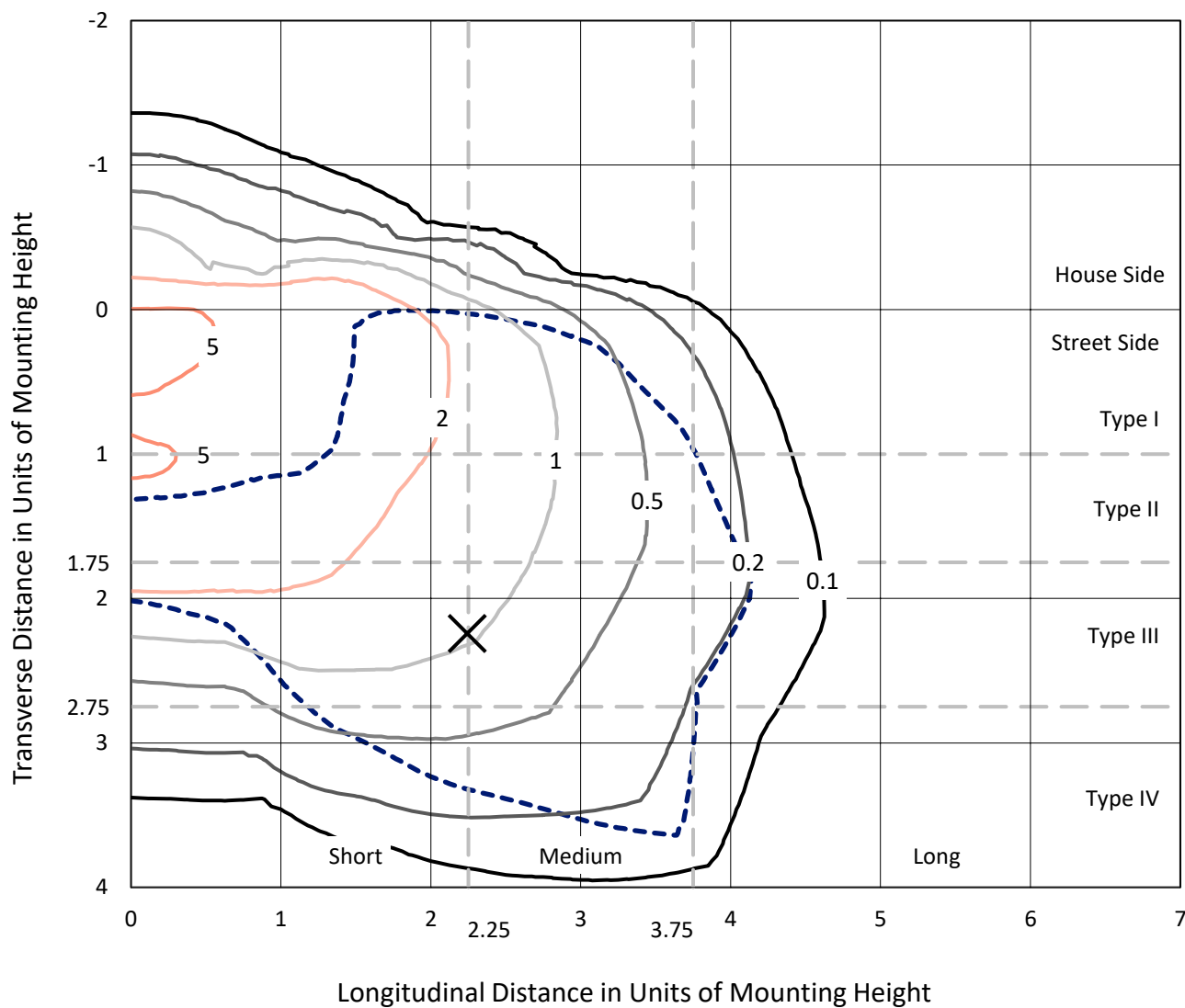
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

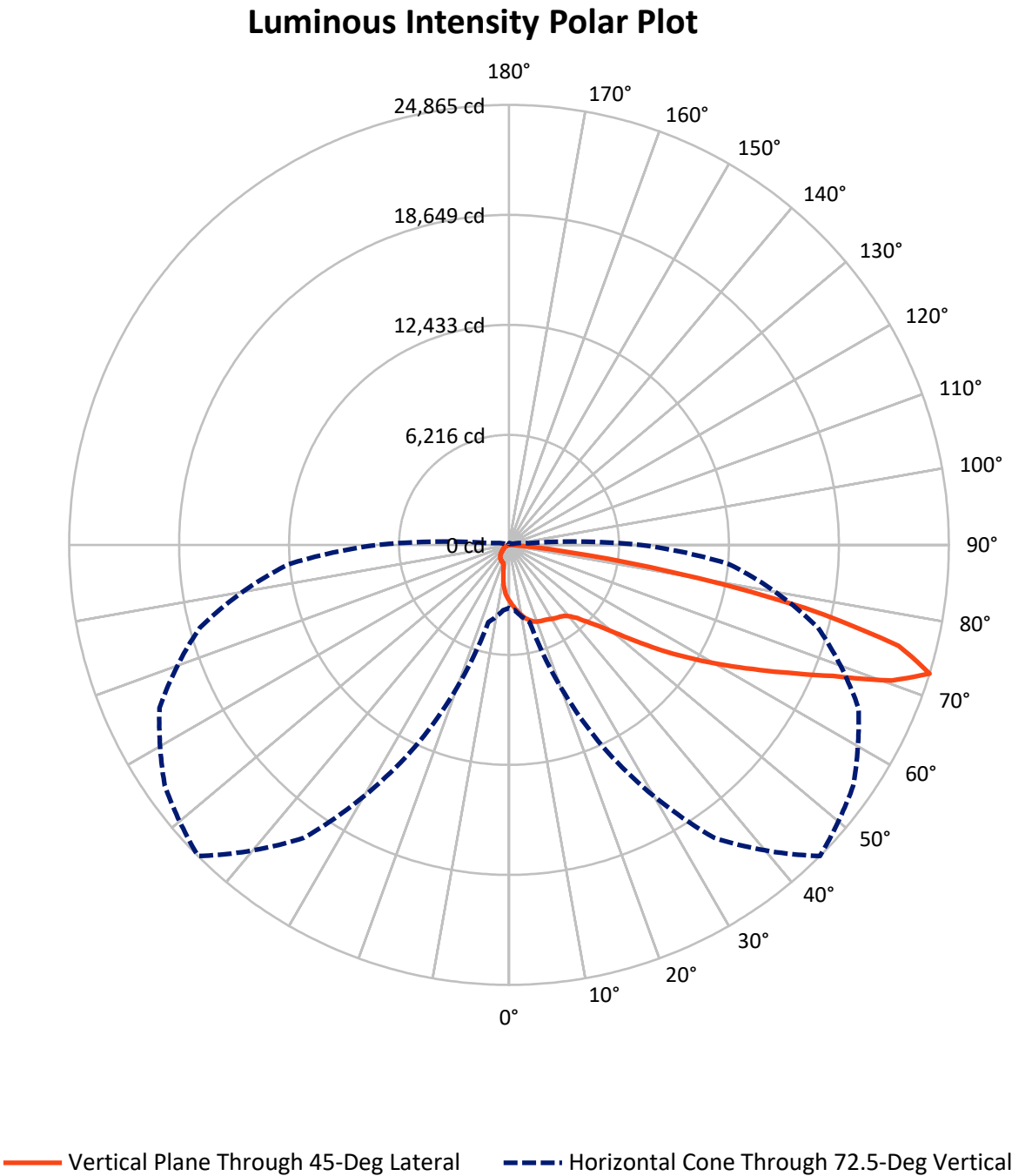
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc

Type IV - Short - N/A

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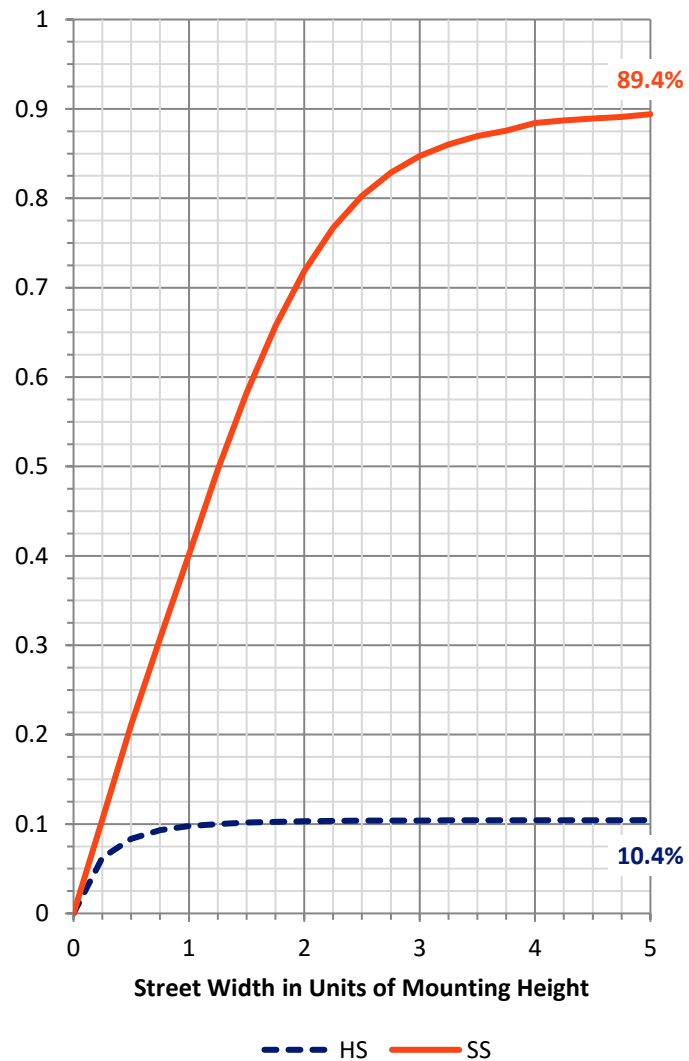
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3036.4	0.0	3036.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	25861.6	0.0	25861.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	28898.0	0.0	28898.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.3	1.0
10°-20°	871.8	3.0
20°-30°	1431.6	5.0
30°-40°	2030.3	7.0
40°-50°	3355.9	11.6
50°-60°	6028.5	20.9
60°-70°	8370.8	29.0
70°-80°	6071.9	21.0
80°-90°	439.0	1.5
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°	28898.0	100.0
0°-180°	28898.0	100.0

Coefficient of Utilization



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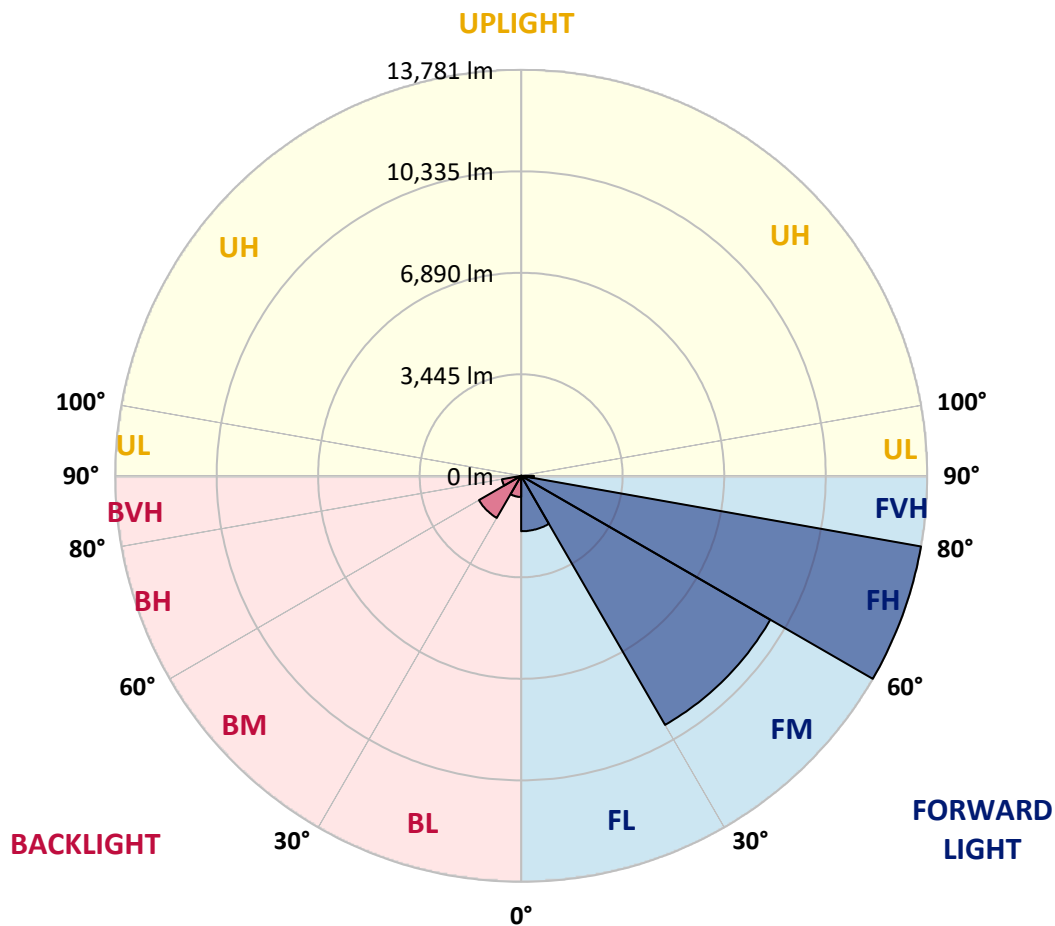
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1882.4	6.5			
FM	(30°-60°)	9763.3	33.8			
FH	(60°-80°)	13780.6	47.7			G5
FVH	(80°-90°)	435.3	1.5			G3/500
BL	(0°-30°)	719.2	2.5	B2/1000		
BM	(30°-60°)	1651.4	5.7	B2/2500		
BH	(60°-80°)	662.1	2.3	B2/1000		G2/1000
BVH	(80°-90°)	3.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8
2.5°	3457.8	3463.7	3459.7	3436.1	3396.6	3374.9	3363.1	3323.6	3298.0	3252.6	3205.3
5°	3775.3	3799.0	3785.2	3737.9	3662.9	3609.6	3593.9	3513.0	3440.0	3355.2	3256.6
7.5°	4112.6	4124.5	4098.8	4037.7	3937.1	3846.3	3832.5	3720.1	3603.7	3473.5	3339.4
10°	4404.6	4418.4	4378.9	4290.2	4175.7	4063.3	4043.6	3919.3	3781.3	3621.5	3449.9
12.5°	4649.1	4663.0	4611.7	4505.2	4378.9	4262.5	4242.8	4112.6	3960.7	3783.2	3570.2
15°	4834.6	4860.2	4791.2	4676.8	4540.7	4424.3	4414.4	4286.2	4138.3	3941.0	3714.2
17.5°	4943.0	4968.7	4903.6	4765.5	4649.1	4550.5	4538.7	4432.2	4294.1	4104.7	3854.2
20°	4960.8	4984.5	4915.4	4795.1	4698.5	4619.6	4613.6	4536.7	4436.1	4254.6	4006.1
22.5°	4907.5	4937.1	4874.0	4777.4	4710.3	4668.9	4661.0	4617.6	4560.4	4406.5	4148.1
25°	4852.3	4876.0	4828.6	4743.8	4708.3	4704.4	4710.3	4702.4	4690.6	4560.4	4313.8
27.5°	4848.4	4874.0	4820.8	4739.9	4720.2	4761.6	4767.5	4805.0	4814.8	4700.4	4473.6
30°	4881.9	4899.7	4848.4	4763.5	4753.7	4848.4	4850.3	4917.4	4933.2	4818.8	4631.4
32.5°	4954.9	4974.6	4923.3	4799.1	4785.2	4917.4	4923.3	5012.1	5037.7	4945.0	4797.1
35°	5126.5	5150.2	5091.0	4897.7	4848.4	4982.5	5000.2	5104.8	5156.1	5079.1	4968.7
37.5°	5554.5	5485.5	5404.6	5096.9	4992.4	5085.1	5114.7	5236.9	5327.7	5238.9	5173.8
40°	6617.7	6400.7	6148.2	5436.2	5244.8	5304.0	5327.7	5450.0	5574.2	5487.5	5455.9
42.5°	8213.4	7957.0	7550.7	6217.3	5625.5	5655.1	5672.9	5779.4	5954.9	5885.9	5893.8
45°	9635.6	9542.9	9128.7	7550.7	6337.6	6191.6	6213.3	6268.6	6527.0	6501.3	6552.6
47.5°	10728.3	10675.1	10355.5	9081.3	7540.8	6848.5	6909.6	6935.3	7308.1	7398.8	7536.9
50°	11568.6	11548.9	11262.9	10442.3	9112.9	7817.0	7838.7	7783.4	8341.6	8566.5	8828.8
52.5°	12361.6	12428.6	12217.6	11706.7	10791.5	9085.3	9081.3	8820.9	9574.4	9913.7	10361.5
55°	13077.6	13101.2	13122.9	12996.7	12479.9	10529.1	10491.6	10065.6	11004.5	11355.6	11840.8
57.5°	13750.2	13760.1	13953.4	14211.7	14237.4	12079.5	12010.5	11499.6	12566.7	12817.2	13115.0
60°	14201.9	14247.3	14655.6	15373.5	15687.2	13679.2	13641.7	13121.0	14156.5	14272.9	14217.7
62.5°	13551.0	13827.1	14856.8	16280.9	17056.1	15452.4	15434.7	14945.5	15829.2	15734.5	15261.1
65°	10969.0	11436.5	13247.2	16894.3	18399.3	17432.8	17458.5	16937.7	17547.2	17239.5	16109.3
67.5°	7673.0	8166.1	10308.2	16943.6	19900.4	19758.4	19906.3	19089.7	19371.8	18681.4	16310.5
70°	5306.0	5560.4	6955.0	15882.4	21070.1	22961.7	22957.7	21732.8	21186.5	19338.2	15284.8
72.5°	3568.2	3700.4	4517.0	12600.2	20210.1	24865.1	24750.7	23752.7	21797.9	18085.7	12487.8
75°	1505.0	1601.7	2090.8	7081.2	15989.0	22748.7	22439.0	20991.2	19367.8	14241.3	7791.3
77.5°	477.3	518.8	824.5	2534.6	8807.1	17099.5	16772.0	13109.1	12980.9	7144.3	2848.3
80°	226.8	264.3	463.5	1017.8	3465.7	9300.3	9254.9	5947.0	5584.1	1929.1	572.0
82.5°	98.6	116.4	256.4	544.4	1550.4	3317.7	3384.8	2023.8	1674.6	731.8	175.6
85°	31.6	41.4	118.3	250.5	654.9	824.5	814.6	481.3	674.6	398.4	61.1
87.5°	0.0	0.0	39.4	57.2	67.1	47.3	53.3	41.4	187.4	110.5	21.7
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°	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8	3165.8
2.5°	3181.6	3150.1	3094.8	3043.5	2998.2	2952.8	2925.2	2885.7	2881.8	2881.8	2891.7
5°	3203.3	3152.0	3053.4	2948.9	2828.5	2714.1	2599.7	2489.3	2453.8	2428.1	2440.0
7.5°	3266.4	3185.6	3029.7	2830.5	2601.7	2351.2	2175.7	1986.3	1913.3	1873.9	1879.8
10°	3357.2	3246.7	3010.0	2660.9	2290.1	1948.8	1698.3	1493.2	1414.3	1380.7	1380.7
12.5°	3457.8	3321.7	2974.5	2449.8	1948.8	1540.5	1295.9	1201.2	1189.4	1189.4	1189.4
15°	3578.1	3412.4	2913.4	2201.3	1591.8	1219.0	1132.2	1136.2	1148.0	1155.9	1155.9
17.5°	3702.4	3509.0	2816.7	1923.2	1276.2	1096.7	1098.7	1104.6	1114.5	1122.3	1122.3
20°	3836.5	3605.7	2688.5	1627.3	1094.7	1061.2	1067.1	1073.0	1080.9	1084.9	1086.8
22.5°	3980.5	3696.4	2536.6	1337.3	1033.6	1031.6	1033.6	1039.5	1049.4	1049.4	1053.3
25°	4134.3	3797.0	2363.0	1126.3	1002.0	1002.0	1006.0	1009.9	1017.8	1017.8	1019.8
27.5°	4292.1	3889.7	2179.6	1015.8	974.4	972.4	972.4	978.4	982.3	984.3	986.2
30°	4465.7	3998.2	1996.2	992.2	952.7	942.8	936.9	940.9	944.8	946.8	950.7
32.5°	4643.2	4102.8	1832.4	1002.0	931.0	913.3	893.5	889.6	889.6	897.5	903.4
35°	4840.5	4217.2	1706.2	1035.6	919.2	869.9	838.3	820.6	822.5	834.4	840.3
37.5°	5077.2	4355.2	1613.5	1065.1	911.3	820.6	769.3	747.6	733.8	747.6	743.6
40°	5386.9	4558.4	1546.4	1088.8	901.4	763.4	694.3	658.8	633.2	641.1	637.1
42.5°	5842.5	4878.0	1520.8	1090.8	879.7	696.3	617.4	570.0	532.6	534.5	526.7
45°	6481.6	5382.9	1652.9	1065.1	832.4	623.3	536.5	473.4	449.7	443.8	435.9
47.5°	7357.4	6118.6	1958.7	1011.9	763.4	552.3	457.6	404.4	386.6	376.7	370.8
50°	8531.0	7063.5	2297.9	952.7	694.3	485.2	392.5	359.0	347.2	337.3	335.3
52.5°	9892.0	8022.1	2576.1	893.5	625.3	426.1	351.1	331.4	321.5	313.6	311.7
55°	11140.6	8682.9	2560.3	830.4	558.2	378.7	321.5	309.7	297.8	290.0	286.0
57.5°	11917.8	8775.6	2110.6	761.4	481.3	341.2	293.9	286.0	272.2	262.3	260.4
60°	12274.8	8247.0	1479.4	670.6	404.4	305.7	264.3	260.4	242.6	228.8	224.9
62.5°	12339.9	7264.7	986.2	558.2	337.3	272.2	234.7	228.8	205.1	181.5	169.6
65°	12075.5	5860.3	682.5	435.9	288.0	236.7	201.2	189.4	163.7	140.0	132.2
67.5°	11239.2	4114.6	475.4	313.6	244.6	187.4	159.8	155.8	136.1	116.4	110.5
70°	9706.6	2345.3	317.6	234.7	193.3	128.2	126.2	130.2	110.5	94.7	86.8
72.5°	7442.2	1073.0	197.2	171.6	132.2	86.8	100.6	102.6	84.8	71.0	63.1
75°	4380.9	459.6	124.3	110.5	67.1	57.2	73.0	75.0	57.2	45.4	39.4
77.5°	1491.2	173.6	78.9	65.1	33.5	31.6	47.3	47.3	31.6	17.8	13.8
80°	339.3	65.1	39.4	25.6	15.8	13.8	15.8	13.8	7.9	2.0	0.0
82.5°	96.7	25.6	15.8	9.9	5.9	5.9	2.0	0.0	0.0	0.0	0.0
85°	27.6	11.8	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.8	2.0	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)