

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: P956273

Luminaire Tested: **GALN-SB9A-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956273
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-SB9A-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA 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: 25999 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

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

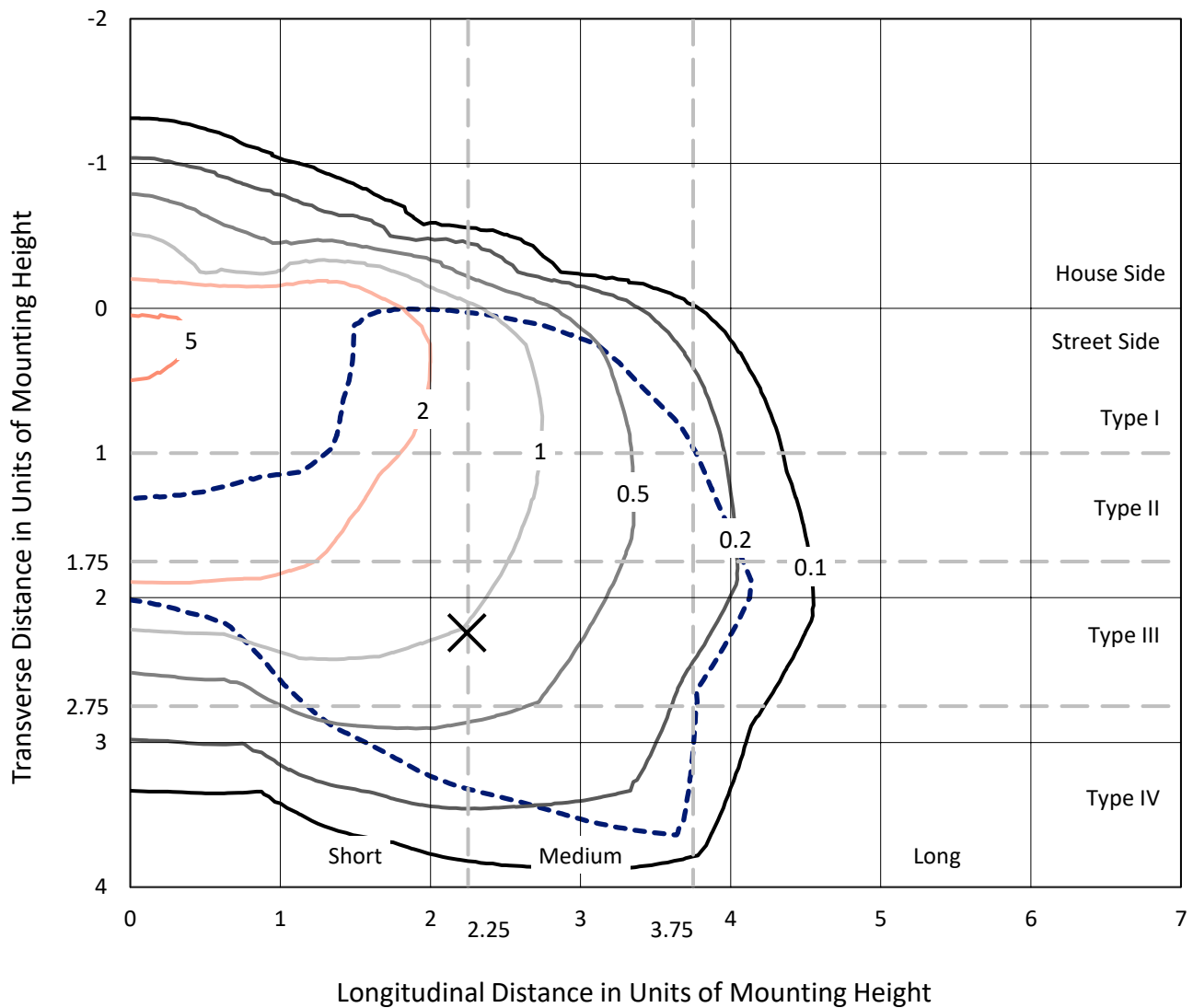


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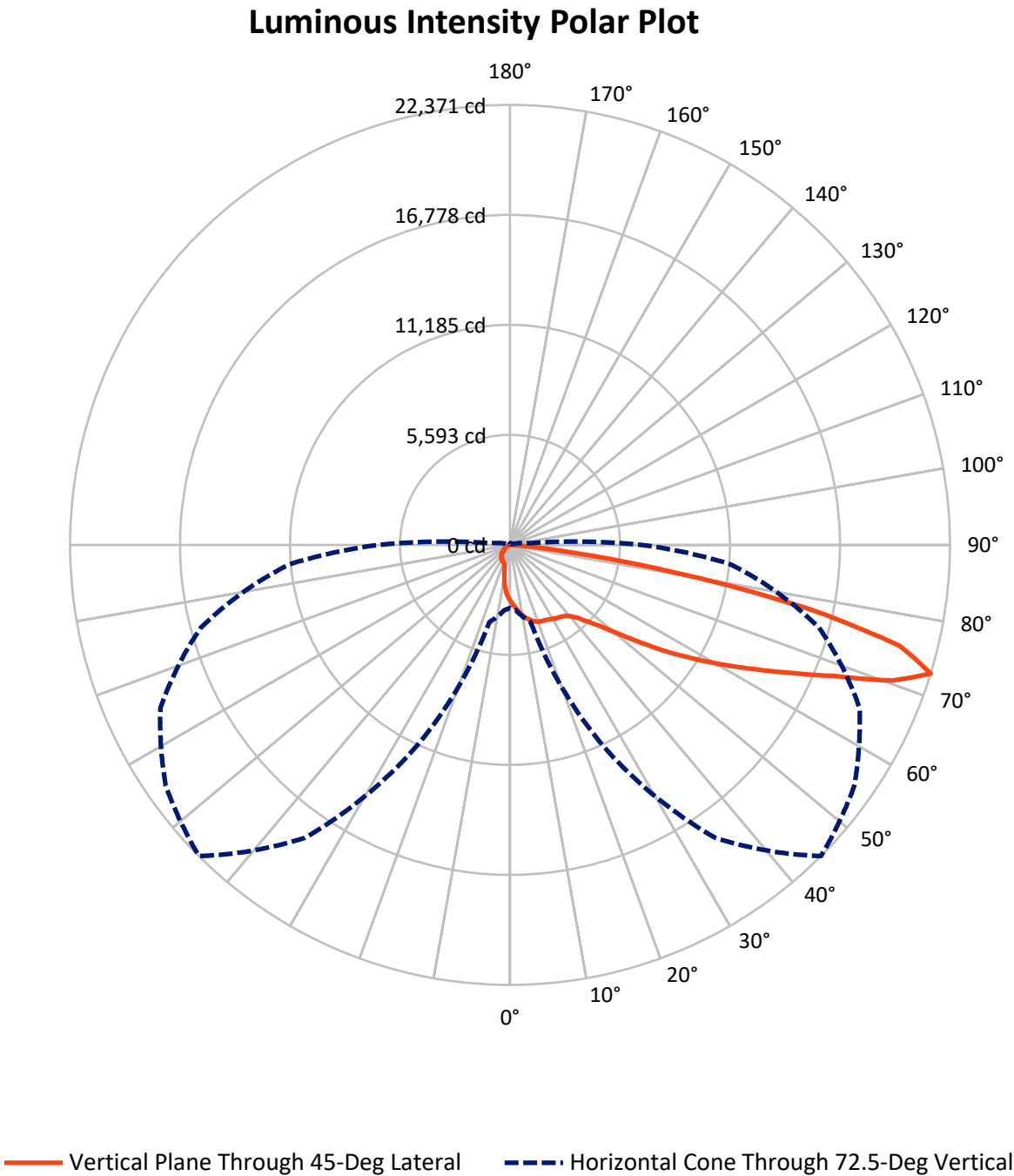
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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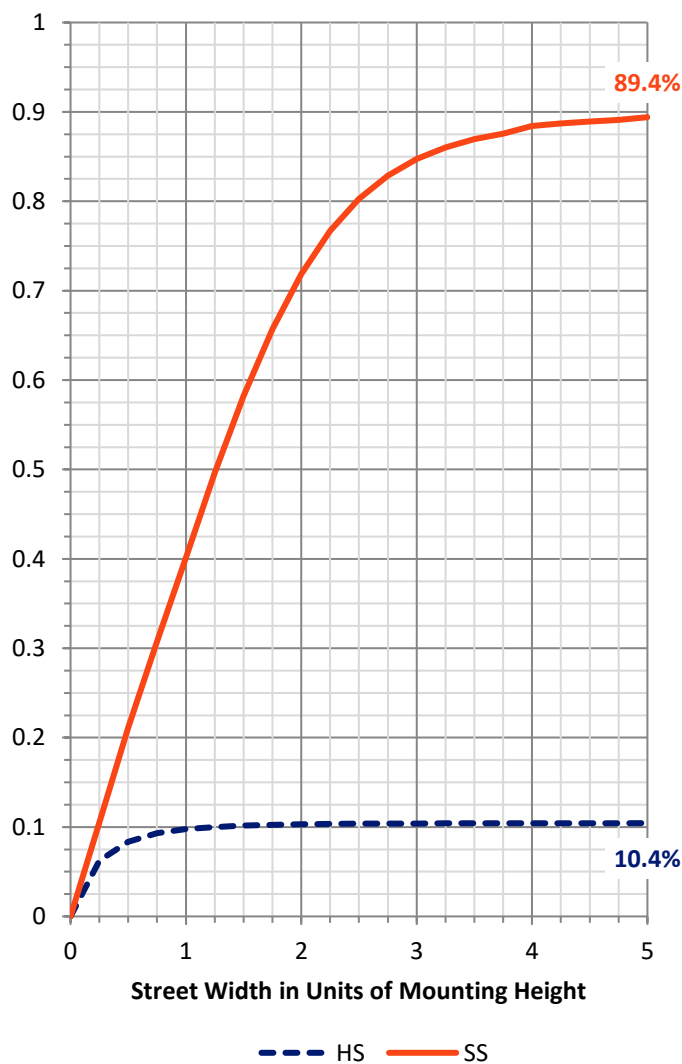
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2731.8	0.0	2731.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	23267.2	0.0	23267.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	25999.0	0.0	25999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	1.0
10°-20°	784.3	3.0
20°-30°	1288.0	5.0
30°-40°	1826.6	7.0
40°-50°	3019.2	11.6
50°-60°	5423.7	20.9
60°-70°	7531.1	29.0
70°-80°	5462.8	21.0
80°-90°	394.9	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°	25999.0	100.0
0°-180°	25999.0	100.0

Coefficient of Utilization



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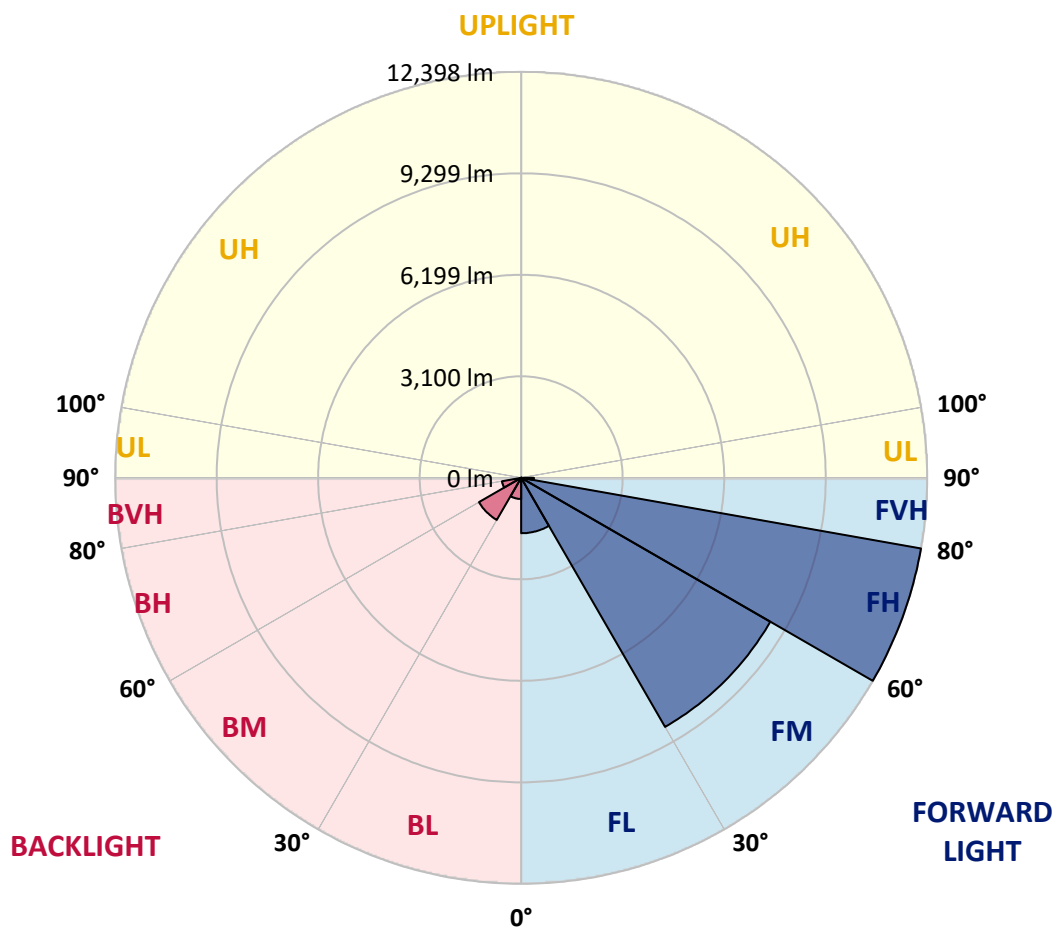
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1693.6	6.5			
FM	(30°-60°)	8783.8	33.8			
FH	(60°-80°)	12398.2	47.7			G5
FVH	(80°-90°)	391.6	1.5			G3/500
BL	(0°-30°)	647.0	2.5	B2/1000		
BM	(30°-60°)	1485.7	5.7	B2/2500		
BH	(60°-80°)	595.7	2.3	B2/1000		G2/1000
BVH	(80°-90°)	3.3	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°	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2
2.5°	3110.9	3116.2	3112.7	3091.4	3055.9	3036.4	3025.7	2990.2	2967.1	2926.3	2883.7
5°	3396.6	3417.9	3405.5	3362.9	3295.4	3247.5	3233.3	3160.6	3094.9	3018.6	2929.9
7.5°	3700.1	3710.7	3687.6	3632.6	3542.1	3460.5	3448.1	3346.9	3242.2	3125.1	3004.4
10°	3962.7	3975.1	3939.6	3859.8	3756.8	3655.7	3637.9	3526.1	3401.9	3258.2	3103.8
12.5°	4182.8	4195.2	4149.0	4053.2	3939.6	3834.9	3817.2	3700.1	3563.4	3403.7	3212.0
15°	4349.6	4372.6	4310.5	4207.6	4085.1	3980.4	3971.6	3856.2	3723.1	3545.7	3341.6
17.5°	4447.2	4470.2	4411.7	4287.5	4182.8	4094.0	4083.4	3987.5	3863.3	3693.0	3467.6
20°	4463.1	4484.4	4422.3	4314.1	4227.1	4156.1	4150.8	4081.6	3991.1	3827.8	3604.2
22.5°	4415.2	4441.8	4385.1	4298.1	4237.8	4200.5	4193.4	4154.4	4102.9	3964.5	3732.0
25°	4365.5	4386.8	4344.2	4267.9	4236.0	4232.4	4237.8	4230.7	4220.0	4102.9	3881.1
27.5°	4362.0	4385.1	4337.1	4264.4	4246.6	4283.9	4289.2	4322.9	4331.8	4228.9	4024.8
30°	4392.2	4408.1	4362.0	4285.7	4276.8	4362.0	4363.8	4424.1	4438.3	4335.4	4166.8
32.5°	4457.8	4475.6	4429.4	4317.6	4305.2	4424.1	4429.4	4509.3	4532.3	4448.9	4315.8
35°	4612.2	4633.5	4580.3	4406.4	4362.0	4482.7	4498.6	4592.7	4638.8	4569.6	4470.2
37.5°	4997.3	4935.2	4862.4	4585.6	4491.5	4574.9	4601.6	4711.6	4793.2	4713.4	4654.8
40°	5953.8	5758.6	5531.5	4890.8	4718.7	4771.9	4793.2	4903.2	5015.0	4937.0	4908.6
42.5°	7389.5	7158.8	6793.2	5593.6	5061.2	5087.8	5103.8	5199.6	5357.5	5295.4	5302.5
45°	8669.0	8585.6	8212.9	6793.2	5701.8	5570.5	5590.0	5639.7	5872.2	5849.1	5895.2
47.5°	9652.1	9604.2	9316.7	8170.3	6784.3	6161.4	6216.5	6239.5	6574.9	6656.6	6780.8
50°	10408.1	10390.3	10133.0	9394.8	8198.7	7032.8	7052.3	7002.6	7504.8	7707.1	7943.1
52.5°	11121.5	11181.8	10991.9	10532.3	9708.9	8173.8	8170.3	7936.0	8613.9	8919.2	9322.0
55°	11765.7	11786.9	11806.5	11692.9	11227.9	9472.9	9439.1	9055.8	9900.5	10216.4	10653.0
57.5°	12370.8	12379.7	12553.6	12786.1	12809.1	10867.7	10805.6	10346.0	11306.0	11531.4	11799.4
60°	12777.2	12818.0	13185.3	13831.3	14113.5	12306.9	12273.2	11804.7	12736.4	12841.1	12791.4
62.5°	12191.6	12440.0	13366.3	14647.6	15345.0	13902.3	13886.3	13446.2	14241.2	14156.0	13730.1
65°	9868.6	10289.2	11918.3	15199.5	16553.5	15684.0	15707.1	15238.6	15786.9	15510.1	14493.2
67.5°	6903.2	7346.9	9274.1	15243.9	17904.0	17776.2	17909.3	17174.7	17428.4	16807.3	14674.2
70°	4773.7	5002.6	6257.3	14289.1	18956.4	20658.2	20654.7	19552.6	19061.1	17398.3	13751.4
72.5°	3210.3	3329.2	4063.9	11336.2	18182.6	22370.7	22267.8	21369.8	19611.2	16271.4	11235.0
75°	1354.0	1441.0	1881.1	6370.8	14385.0	20466.6	20187.9	18885.4	17424.9	12812.7	7009.7
77.5°	429.5	466.7	741.8	2280.4	7923.6	15384.1	15089.5	11794.0	11678.7	6427.6	2562.5
80°	204.1	237.8	417.0	915.7	3118.0	8367.3	8326.5	5350.4	5023.9	1735.6	514.6
82.5°	88.7	104.7	230.7	489.8	1394.8	2984.9	3045.2	1820.7	1506.6	658.4	157.9
85°	28.4	37.3	106.5	225.4	589.2	741.8	732.9	433.0	606.9	358.5	55.0
87.5°	0.0	0.0	35.5	51.5	60.3	42.6	47.9	37.3	168.6	99.4	19.5
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°	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2
2.5°	2862.4	2834.0	2784.4	2738.2	2697.4	2656.6	2631.7	2596.3	2592.7	2592.7	2601.6
5°	2882.0	2835.8	2747.1	2653.0	2544.8	2441.9	2338.9	2239.6	2207.6	2184.5	2195.2
7.5°	2938.8	2866.0	2725.8	2546.6	2340.7	2115.3	1957.4	1787.0	1721.4	1685.9	1691.2
10°	3020.4	2921.0	2708.1	2393.9	2060.3	1753.3	1527.9	1343.4	1272.4	1242.2	1242.2
12.5°	3110.9	2988.4	2676.1	2204.1	1753.3	1386.0	1165.9	1080.7	1070.1	1070.1	1070.1
15°	3219.1	3070.1	2621.1	1980.5	1432.1	1096.7	1018.6	1022.2	1032.8	1039.9	1039.9
17.5°	3330.9	3157.0	2534.1	1730.2	1148.2	986.7	988.5	993.8	1002.7	1009.8	1009.8
20°	3451.6	3244.0	2418.8	1464.1	984.9	954.7	960.1	965.4	972.5	976.0	977.8
22.5°	3581.2	3325.6	2282.1	1203.2	929.9	928.1	929.9	935.2	944.1	944.1	947.6
25°	3719.6	3416.1	2126.0	1013.3	901.5	901.5	905.1	908.6	915.7	915.7	917.5
27.5°	3861.5	3499.5	1960.9	913.9	876.7	874.9	874.9	880.2	883.8	885.5	887.3
30°	4017.7	3597.1	1795.9	892.6	857.1	848.3	842.9	846.5	850.0	851.8	855.4
32.5°	4177.4	3691.2	1648.6	901.5	837.6	821.6	803.9	800.3	800.3	807.4	812.8
35°	4354.9	3794.1	1535.0	931.7	827.0	782.6	754.2	738.2	740.0	750.7	756.0
37.5°	4567.8	3918.3	1451.6	958.3	819.9	738.2	692.1	672.6	660.2	672.6	669.0
40°	4846.5	4101.1	1391.3	979.6	811.0	686.8	624.7	592.7	569.6	576.7	573.2
42.5°	5256.4	4388.6	1368.2	981.4	791.5	626.4	555.5	512.9	479.1	480.9	473.8
45°	5831.4	4842.9	1487.1	958.3	748.9	560.8	482.7	425.9	404.6	399.3	392.2
47.5°	6619.3	5504.8	1762.2	910.4	686.8	496.9	411.7	363.8	347.8	339.0	333.6
50°	7675.2	6354.9	2067.4	857.1	624.7	436.6	353.1	323.0	312.3	303.5	301.7
52.5°	8899.7	7217.3	2317.6	803.9	562.6	383.3	315.9	298.1	289.3	282.2	280.4
55°	10023.0	7811.8	2303.4	747.1	502.2	340.7	289.3	278.6	268.0	260.9	257.3
57.5°	10722.2	7895.2	1898.8	685.0	433.0	307.0	264.4	257.3	244.9	236.0	234.2
60°	11043.4	7419.6	1331.0	603.4	363.8	275.1	237.8	234.2	218.3	205.9	202.3
62.5°	11101.9	6535.9	887.3	502.2	303.5	244.9	211.2	205.9	184.6	163.3	152.6
65°	10864.1	5272.4	614.0	392.2	259.1	213.0	181.0	170.4	147.3	126.0	118.9
67.5°	10111.7	3701.8	427.7	282.2	220.1	168.6	143.7	140.2	122.4	104.7	99.4
70°	8732.8	2110.0	285.7	211.2	173.9	115.3	113.6	117.1	99.4	85.2	78.1
72.5°	6695.6	965.4	177.5	154.4	118.9	78.1	90.5	92.3	76.3	63.9	56.8
75°	3941.4	413.5	111.8	99.4	60.3	51.5	65.7	67.4	51.5	40.8	35.5
77.5°	1341.6	156.2	71.0	58.6	30.2	28.4	42.6	42.6	28.4	16.0	12.4
80°	305.2	58.6	35.5	23.1	14.2	12.4	14.2	12.4	7.1	1.8	0.0
82.5°	87.0	23.1	14.2	8.9	5.3	5.3	1.8	0.0	0.0	0.0	0.0
85°	24.8	10.6	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.6	1.8	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)