Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: STREETWORKS

Report Number: P534168

Luminaire Tested: **GLAN-SA9C-827-U-T2-GRSWH**

Issue Date: 5/27/2021

Report Generated By 670246001

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P534168
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab:	INNOVATION CENTER
Issue Date:	5/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA9C-827-U-T2-GRSWH
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39300 lumens
Efficiency:	N/A
Efficacy:	81.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

Input Watts (W):	481
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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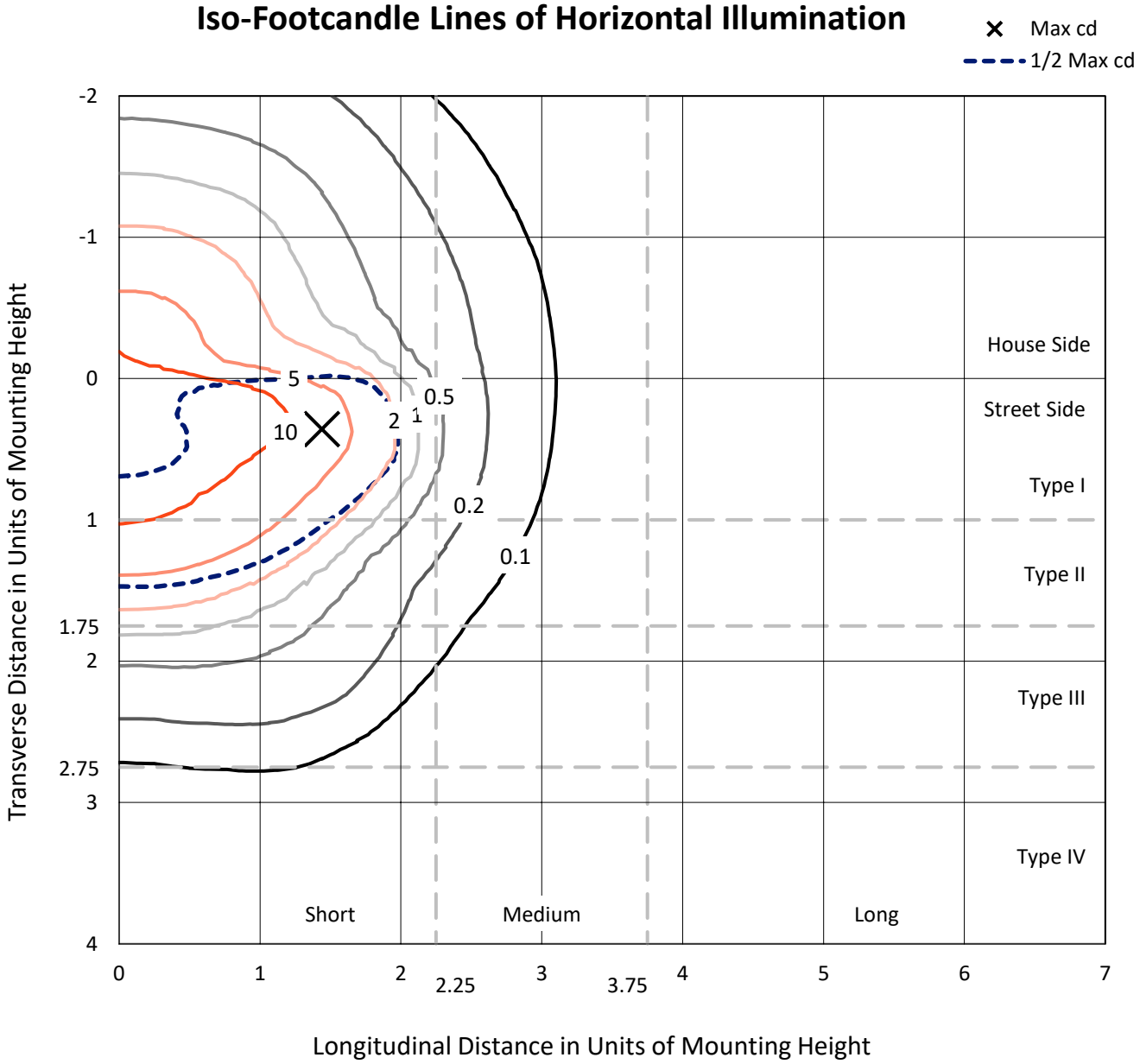
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 16.7 fc
Type II - Short - N/A

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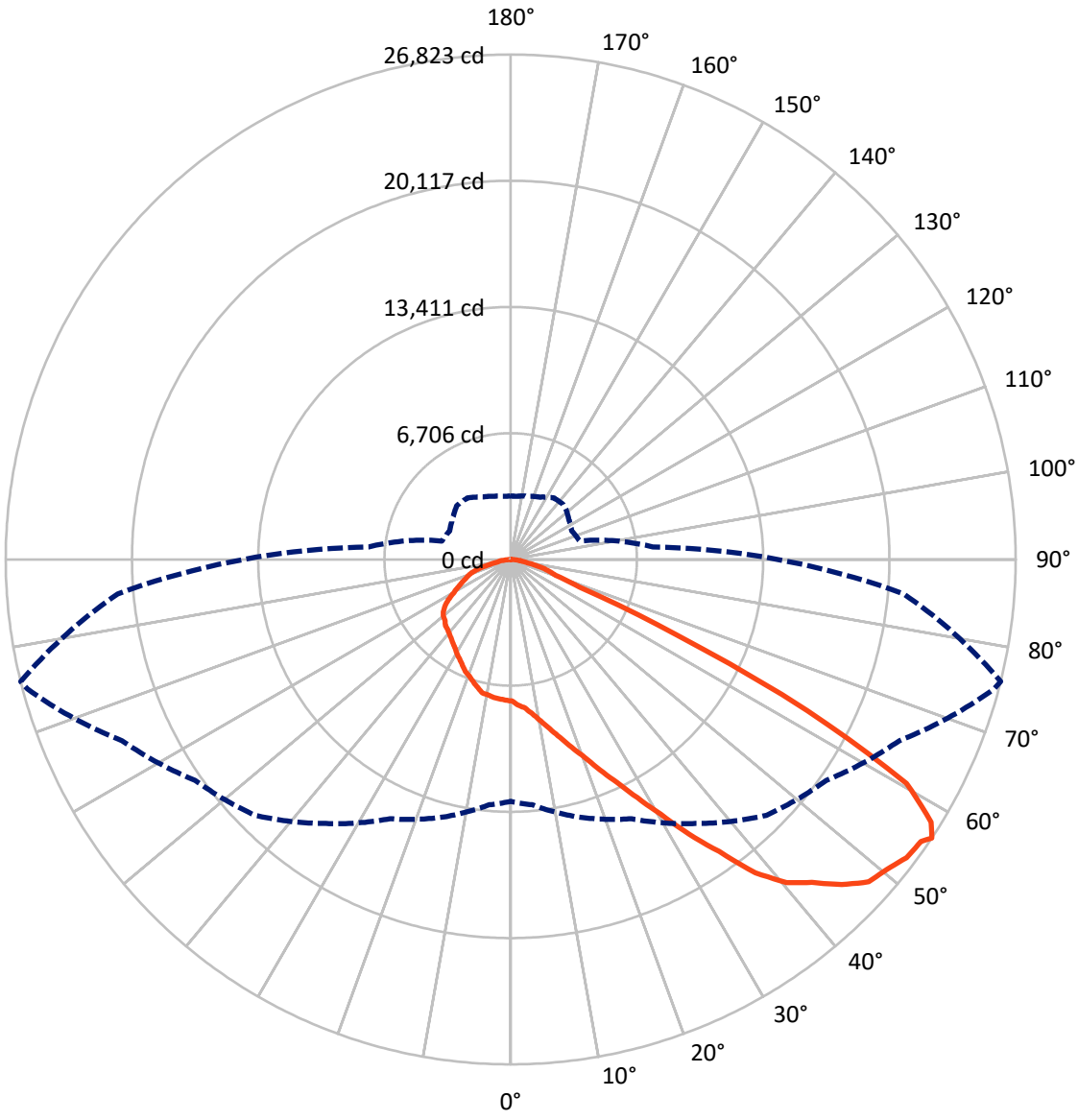
Luminous Intensity Polar Plot



Vertical Plane Through 76-Deg Lateral Horizontal Cone Through 56-Deg Vertical

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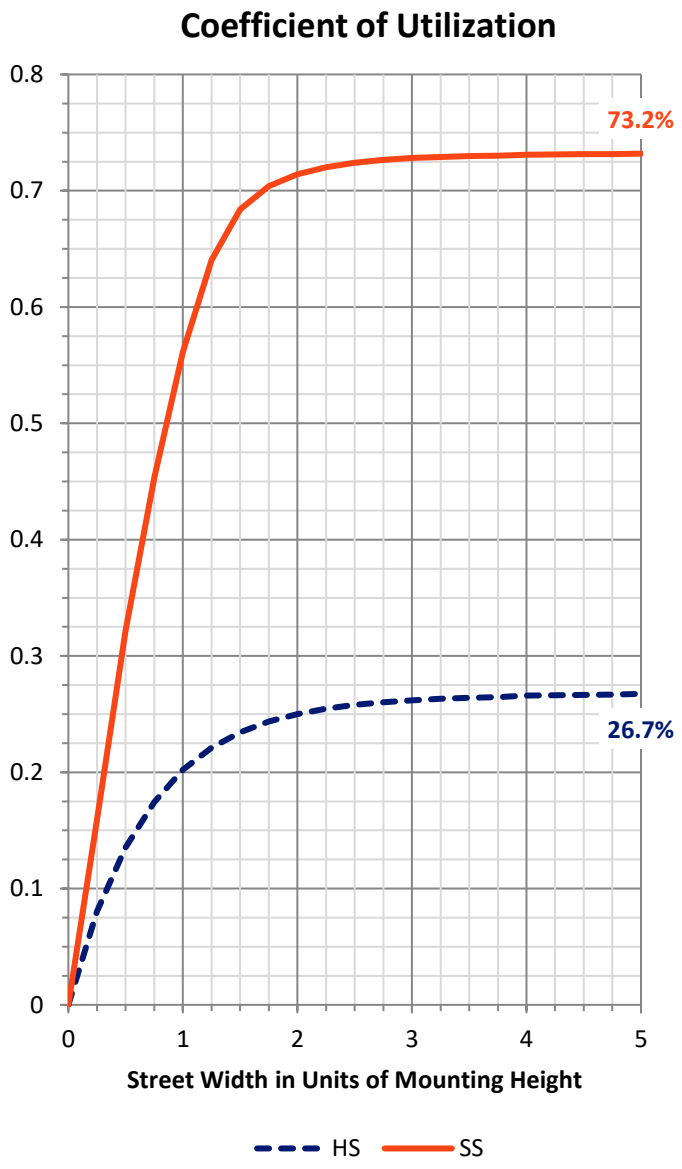
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10566.6	0.0	10566.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	28733.4	0.0	28733.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	39300.0	0.0	39300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.7	1.9
10°-20°	2342.5	6.0
20°-30°	4096.8	10.4
30°-40°	6414.3	16.3
40°-50°	9331.0	23.7
50°-60°	10255.4	26.1
60°-70°	4577.6	11.6
70°-80°	1322.2	3.4
80°-90°	214.5	0.5
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°	39300.0	100.0
0°-180°	39300.0	100.0



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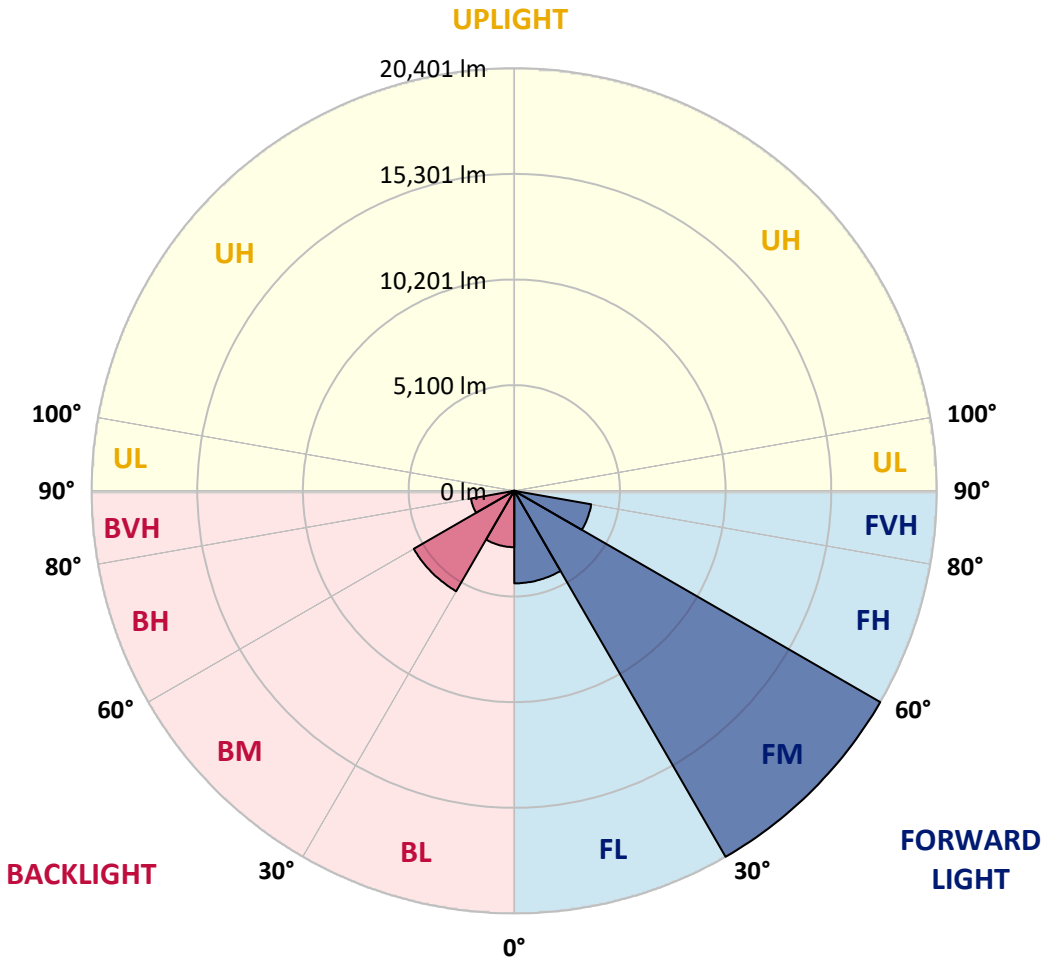
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4466.0	11.4			
FM	(30°-60°)	20401.3	51.9			
FH	(60°-80°)	3773.7	9.6			G2/5000
FVH	(80°-90°)	92.3	0.2			G1/100
BL	(0°-30°)	2719.0	6.9	B4/5000		
BM	(30°-60°)	5599.4	14.2	B4/8500		
BH	(60°-80°)	2126.0	5.4	B3/2500		G3/2500
BVH	(80°-90°)	122.1	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	*7519.6*	7519.6
2.5°	8283.7	8151.3	8141.1	8105.4	8125.8	8034.1	7937.3	7809.9	7677.5	*7759.0*	7565.4
5°	8864.5	8686.2	8757.5	8635.3	8650.5	8528.3	8329.6	8181.8	8018.8	*7922.0*	7784.5
7.5°	9068.3	9083.6	9134.5	9114.1	9012.3	9012.3	8879.8	8620.0	8334.7	*8278.6*	8049.4
10°	9343.4	9348.5	9292.5	9307.7	9450.4	9384.2	9267.0	9154.9	8788.1	*8721.9*	8314.3
12.5°	9440.2	9348.5	9440.2	9521.7	9689.8	9781.5	9756.1	9674.5	9282.3	*9236.4*	8640.4
15°	9455.5	9399.4	9475.9	9659.3	9807.0	10194.2	10387.8	10331.7	9812.1	*9817.2*	9007.2
17.5°	9384.2	9460.6	9491.1	9649.1	9990.4	10352.1	10912.5	10988.9	10561.0	*10494.8*	9470.8
20°	9481.0	9424.9	9465.7	9608.3	10061.7	10627.2	11360.8	11865.2	11264.0	*11218.2*	9949.6
22.5°	9852.9	9776.4	9766.2	9857.9	10184.0	10769.9	11834.6	12741.5	12119.9	*12145.4*	10545.7
25°	10143.2	10184.0	10148.3	10143.2	10347.0	10983.8	12461.3	13785.8	13281.5	*13133.7*	11248.8
27.5°	10642.5	10739.3	10668.0	10764.8	10718.9	11304.8	12909.6	14942.3	14534.7	*14336.1*	11885.6
30°	11335.4	11386.3	11320.1	11320.1	11182.5	11753.1	13317.1	16149.7	15981.6	*15711.6*	12634.5
32.5°	12247.3	12323.7	12191.2	12114.8	12094.5	12420.5	14050.8	17341.8	17627.1	*17397.9*	13627.9
35°	13454.7	13408.8	13250.9	13179.6	12904.5	13444.5	15141.0	18712.3	19461.2	*19053.6*	14830.2
37.5°	14519.5	14448.1	14437.9	14040.6	14106.8	14550.0	16068.2	19751.6	21239.2	*21122.0*	16098.8
40°	15512.9	15579.1	15686.1	15461.9	15360.1	15849.1	17148.2	20546.3	22619.8	*22573.9*	17076.9
42.5°	16577.7	16516.5	16705.0	16516.5	16363.7	17056.5	18320.0	21096.5	23832.3	*23455.3*	18100.9
45°	18121.3	17927.7	17993.9	18009.2	17897.1	18151.9	18804.0	21493.9	24683.1	*24642.3*	18849.8
47.5°	19410.2	19415.3	19303.2	19216.6	18875.3	19130.0	19344.0	21743.5	25661.2	*25595.0*	19140.2
50°	19889.1	19822.9	20148.9	20337.4	20357.8	19838.2	19766.8	21881.1	26175.8	*25885.4*	19430.6
52.5°	18167.2	18228.3	18742.8	19863.6	20510.6	20566.7	20261.0	22166.4	26384.7	*26323.5*	19664.9
55°	14621.3	14916.8	15762.5	17056.5	18590.0	20276.3	20795.9	22461.9	26496.7	*26445.8*	20704.2
56°	*12853.5*	*13082.8*	*14183.2*	*15197.0*	*17122.8*	*19221.7*	*20459.7*	*22777.7*	*26583.3*	*26822.8*	*20948.8*
57.5°	10347.0	10611.9	11401.6	12553.0	14825.1	17214.5	19532.5	22390.5	26247.1	*26338.8*	21127.1
60°	6470.1	6495.5	7443.1	8202.2	9801.9	12135.2	14906.6	19481.5	24290.8	*24158.3*	18977.2
62.5°	4243.8	4248.9	5109.8	5731.4	6459.9	6994.8	8772.8	12919.8	17922.6	*17688.3*	13510.7
65°	2980.3	3046.5	3713.9	4544.3	4839.8	4559.6	4503.6	6811.4	10010.8	*9674.5*	7259.7
67.5°	2180.5	2185.6	2776.5	3668.1	4096.0	3469.4	2817.3	3326.7	3963.6	*3953.4*	3362.4
70°	1441.8	1502.9	1956.3	2740.9	3229.9	2786.7	2302.7	2379.2	2521.8	*2521.8*	2501.4
72.5°	840.6	896.6	1197.2	1737.2	1813.7	1742.3	1823.8	2037.8	2129.5	*2124.4*	2099.0
75°	478.9	504.4	570.6	723.4	901.7	1064.8	1339.9	1543.6	1635.3	*1691.4*	1625.2
77.5°	280.2	295.5	336.2	412.7	468.7	575.7	728.5	871.2	993.4	*978.2*	988.3
80°	147.7	147.7	188.5	244.5	326.1	407.6	484.0	565.5	631.7	*647.0*	662.3
82.5°	86.6	91.7	122.3	178.3	234.3	290.4	371.9	427.9	489.1	*494.2*	504.4
85°	45.9	50.9	76.4	117.2	157.9	178.3	183.4	173.2	188.5	*178.3*	203.8
87.5°	15.3	15.3	25.5	20.4	20.4	25.5	30.6	30.6	40.8	*40.8*	40.8
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°	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6	7519.6
2.5°	7560.3	7560.3	7473.7	7310.7	7285.2	7219.0	7157.8	7152.7	7106.9	7066.1	7045.8
5°	7703.0	7545.0	7417.7	7269.9	7096.7	7015.2	6923.5	6821.6	6780.8	6821.6	6816.5
7.5°	7866.0	7733.5	7351.4	7076.3	6877.6	6796.1	6694.2	6587.2	6597.4	6597.4	6526.1
10°	8023.9	7845.6	7234.3	6882.7	6592.3	6531.2	6475.2	6515.9	6566.9	6577.1	6531.2
12.5°	8288.8	7886.4	7178.2	6689.1	6505.7	6373.3	6408.9	6521.0	6628.0	6597.4	6633.1
15°	8487.5	7922.0	6923.5	6490.5	6261.2	6322.3	6449.7	6526.1	6704.4	6684.0	6719.7
17.5°	8681.1	7942.4	6673.9	6225.5	6128.7	6296.9	6393.7	6612.7	6668.8	6791.0	6836.9
20°	9078.5	7983.2	6419.1	6062.5	6031.9	6225.5	6393.7	6495.5	6617.8	6724.8	6724.8
22.5°	9282.3	7962.8	6251.0	5848.5	5945.3	6067.6	6220.4	6393.7	6393.7	6495.5	6500.6
25°	9537.0	7881.3	5986.1	5746.6	5818.0	5935.1	6108.4	6047.2	6113.5	6113.5	6195.0
27.5°	9827.4	7708.0	5756.8	5563.2	5705.9	5833.3	5858.7	5818.0	5741.6	5731.4	5700.8
30°	10061.7	7494.1	5588.7	5502.1	5619.3	5690.6	5609.1	5522.5	5390.0	5379.8	5308.5
32.5°	10382.7	7229.2	5379.8	5349.3	5481.7	5486.8	5461.4	5328.9	5135.3	5053.8	4972.3
35°	10922.7	7076.3	5221.9	5267.8	5308.5	5293.2	5247.4	5104.7	4911.1	4875.5	4844.9
37.5°	11320.1	6964.2	5058.9	5114.9	5150.6	5171.0	5033.4	4875.5	4880.6	4809.3	4788.9
40°	11768.4	6892.9	4926.4	4951.9	4957.0	5023.2	4855.1	4778.7	4814.3	4768.5	4799.1
42.5°	12344.1	6913.3	4788.9	4768.5	4865.3	4839.8	4758.3	4656.4	4676.8	4539.2	4559.6
45°	12649.8	7050.9	4707.4	4615.7	4722.6	4717.5	4610.6	4513.8	4391.5	4126.6	4136.8
47.5°	12853.5	7086.5	4513.8	4452.6	4564.7	4630.9	4508.7	4284.5	4111.3	3922.8	3876.9
50°	13062.4	7152.7	4422.1	4294.7	4340.6	4498.5	4345.6	4131.7	3963.6	3795.4	3820.9
52.5°	13245.8	7280.1	4243.8	4055.3	4136.8	4310.0	4228.5	3968.7	3785.2	3647.7	3606.9
55°	14060.9	7565.4	3943.2	3698.6	3892.2	4111.3	4065.4	3749.6	3550.9	3479.6	3469.4
56°	*14188.3*	*7575.6*	*3785.2*	*3576.4*	*3754.7*	*4045.1*	*3989.0*	*3652.8*	*3474.5*	*3362.4*	*3367.5*
57.5°	14208.7	7453.3	3561.1	3464.3	3617.1	3948.3	3876.9	3576.4	3331.8	3229.9	3199.4
60°	12502.0	5818.0	3280.9	3219.8	3398.1	3652.8	3627.3	3367.5	3092.4	2975.2	3031.3
62.5°	8523.2	4264.1	3061.8	3051.6	3143.3	3393.0	3326.7	3092.4	2863.1	2786.7	2751.1
65°	4962.1	3235.0	2847.9	2807.1	2883.5	3016.0	3061.8	2817.3	2577.8	2526.9	2511.6
67.5°	2929.4	2674.6	2572.7	2506.5	2481.0	2562.6	2598.2	2455.6	2216.1	2144.8	2205.9
70°	2450.5	2379.2	2384.2	2272.2	2211.0	2155.0	2124.4	1997.1	1798.4	1706.7	1681.2
72.5°	2114.2	2083.7	2063.3	1961.4	1905.4	1778.0	1645.5	1518.2	1370.4	1294.0	1299.1
75°	1615.0	1604.8	1615.0	1564.0	1467.2	1365.3	1243.1	1080.0	968.0	871.2	891.5
77.5°	962.9	993.4	1008.7	988.3	947.6	855.9	779.5	672.5	565.5	489.1	478.9
80°	662.3	687.8	713.2	687.8	647.0	580.8	499.3	417.8	341.3	300.6	290.4
82.5°	504.4	529.8	545.1	519.6	468.7	397.4	341.3	285.3	224.2	183.4	173.2
85°	183.4	208.9	203.8	244.5	264.9	254.7	219.1	168.1	127.4	91.7	86.6
87.5°	50.9	45.9	50.9	50.9	50.9	45.9	40.8	40.8	40.8	25.5	20.4
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)