

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: P317850

Luminaire Tested: **GAN-SA6C-760-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-760-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43252 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

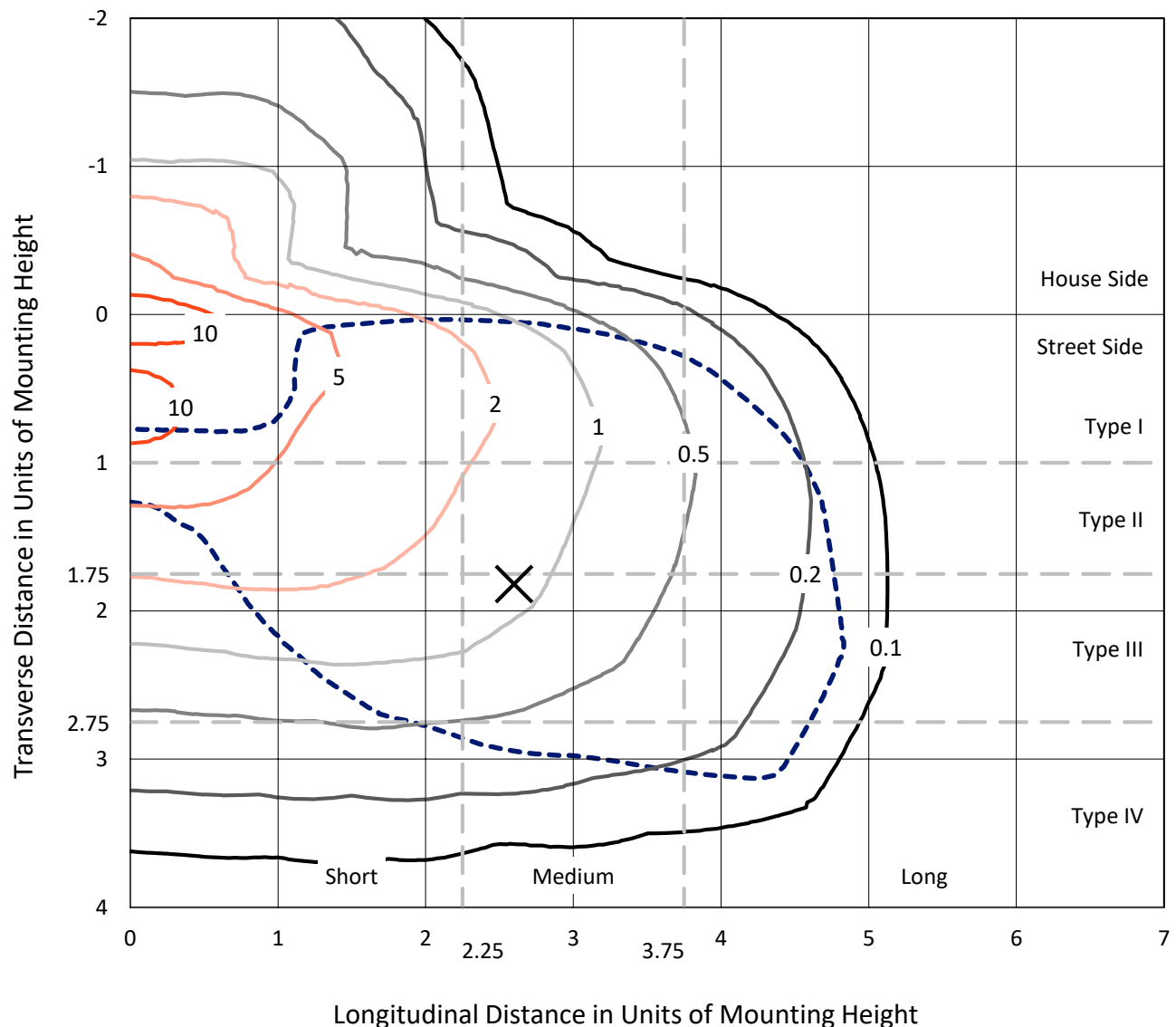
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

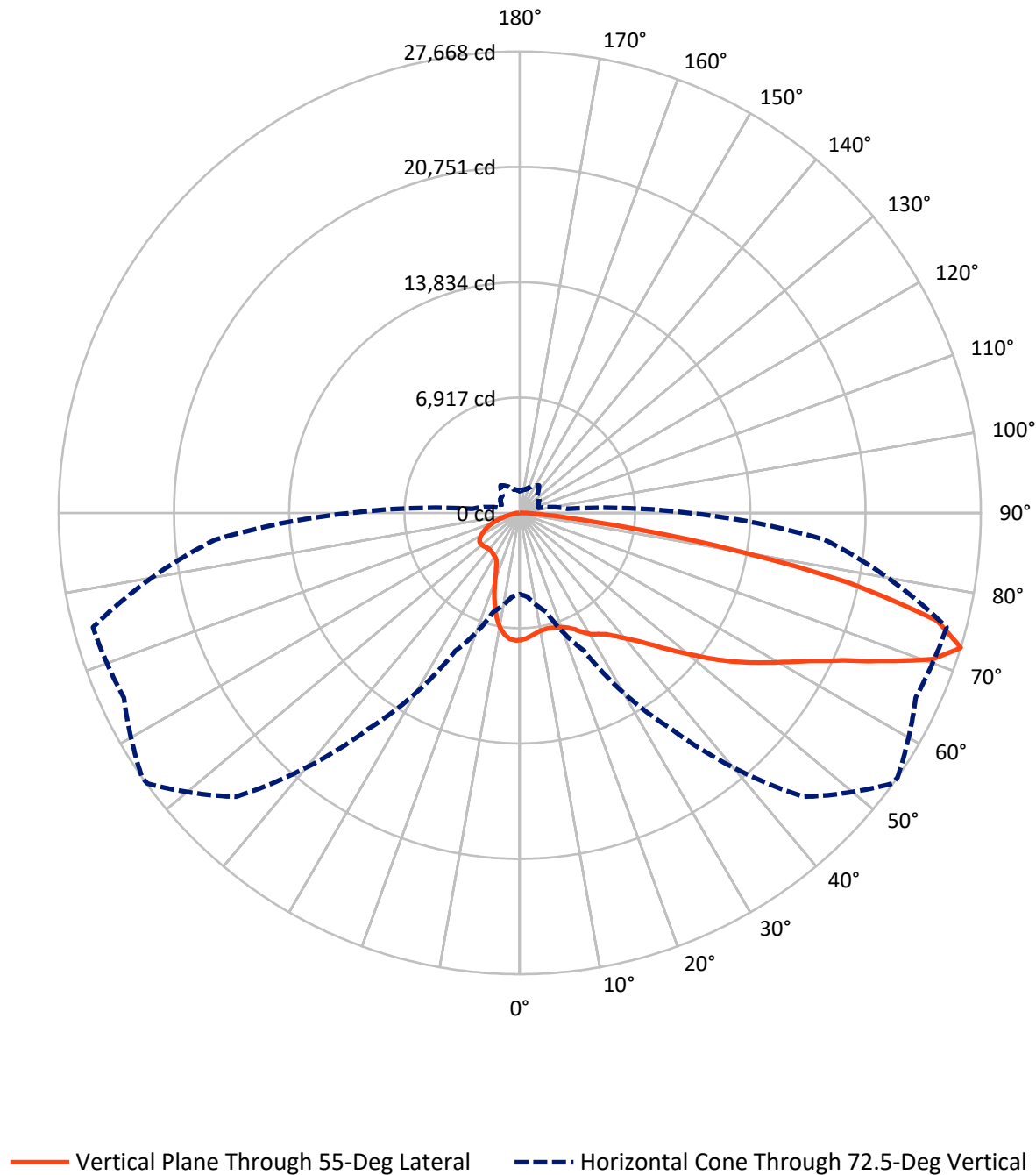
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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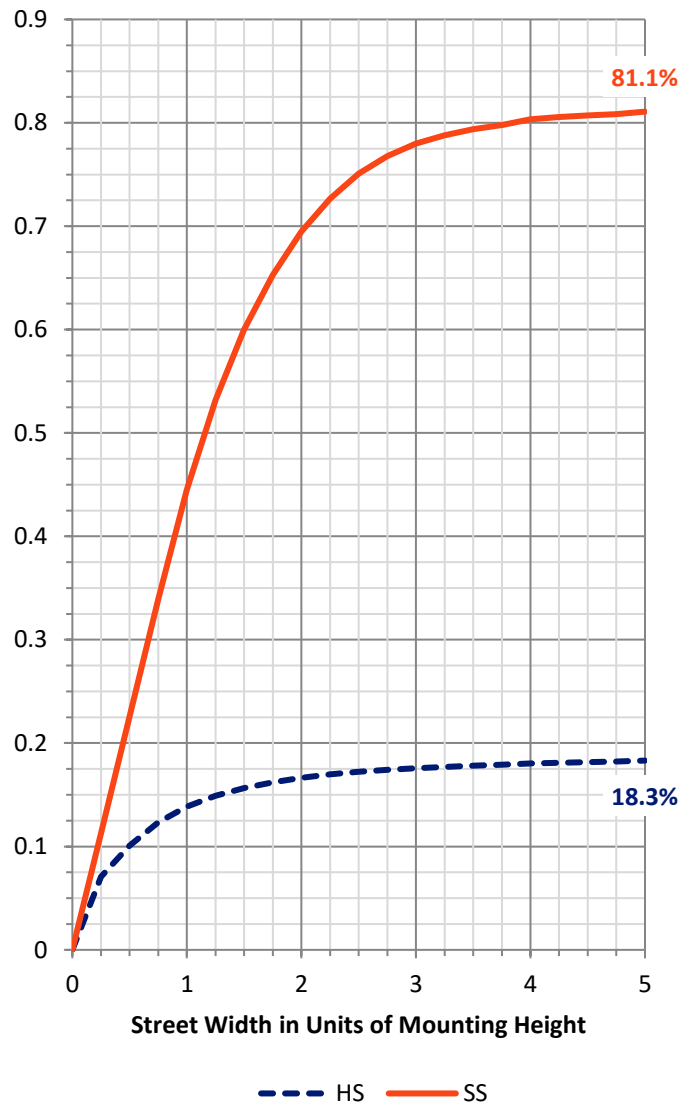
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8039.1	0.0	8039.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	35212.9	0.0	35212.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	43252.0	0.0	43252.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.3	1.6
10°-20°	1837.9	4.2
20°-30°	3030.2	7.0
30°-40°	4482.4	10.4
40°-50°	6256.5	14.5
50°-60°	8146.1	18.8
60°-70°	10011.3	23.1
70°-80°	7847.7	18.1
80°-90°	949.7	2.2
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°	43252.0	100.0
0°-180°	43252.0	100.0

Coefficient of Utilization



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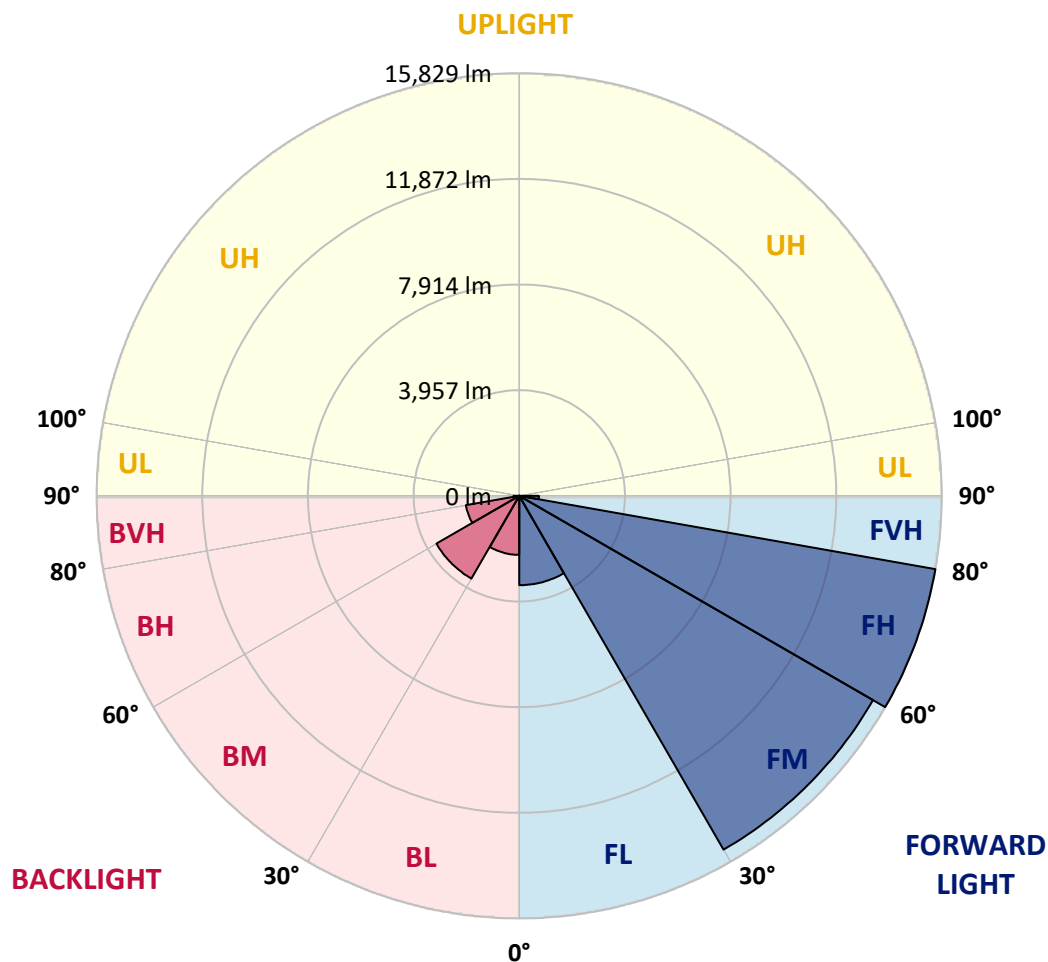
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3346.4	7.7			
FM	(30°-60°)	15303.4	35.4			
FH	(60°-80°)	15828.8	36.6			G5
FVH	(80°-90°)	734.2	1.7			G4/750
BL	(0°-30°)	2211.9	5.1	B3/2500		
BM	(30°-60°)	3581.6	8.3	B3/5000		
BH	(60°-80°)	2030.2	4.7	B3/2500		G3/2500
BVH	(80°-90°)	215.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7
2.5°	7380.4	7362.8	7384.8	7415.4	7449.0	7494.3	7520.6	7532.3	7577.6	7595.1	7633.1
5°	7038.5	7029.8	7066.3	7118.9	7193.4	7298.6	7383.3	7399.4	7519.2	7603.9	7681.3
7.5°	6790.2	6790.2	6832.5	6895.4	6978.6	7120.3	7240.1	7262.0	7465.1	7647.7	7790.9
10°	6593.0	6600.3	6649.9	6724.4	6822.3	6972.8	7132.0	7156.9	7450.5	7750.0	7977.9
12.5°	6461.5	6479.0	6524.3	6591.5	6712.7	6895.4	7097.0	7130.6	7481.2	7896.1	8202.8
15°	6544.7	6574.0	6578.3	6606.1	6673.3	6872.0	7117.4	7152.5	7546.9	8045.1	8458.5
17.5°	6910.0	6920.2	6874.9	6816.5	6784.3	6911.4	7178.8	7215.3	7625.8	8192.6	8703.9
20°	7465.1	7459.3	7361.4	7203.6	7040.0	7060.4	7279.6	7317.6	7732.4	8322.6	8949.4
22.5°	8166.3	8145.9	7995.4	7704.7	7425.7	7308.8	7456.3	7488.5	7893.1	8508.2	9212.3
25°	9016.6	8971.3	8772.6	8382.5	7972.0	7671.1	7722.2	7752.9	8126.9	8715.6	9453.4
27.5°	9913.5	9868.3	9615.5	9143.7	8597.3	8128.3	8088.9	8115.2	8392.8	8869.0	9631.6
30°	10851.4	10803.2	10572.4	10043.6	9260.5	8601.7	8430.7	8441.0	8579.8	8952.3	9777.7
32.5°	11793.7	11748.4	11489.8	10876.3	9980.7	9110.1	8677.6	8664.5	8692.2	9038.5	9942.8
35°	12749.1	12766.6	12464.2	11784.9	10778.4	9675.4	8969.8	8942.1	8880.7	9215.2	10176.5
37.5°	13771.7	13760.0	13368.5	12658.5	11612.5	10289.0	9389.1	9384.7	9172.9	9549.8	10543.2
40°	14455.4	14462.7	14224.6	13552.6	12455.5	10968.3	9926.7	9916.5	9638.9	10050.9	11023.8
42.5°	14722.8	14771.0	14832.3	14405.8	13337.8	11755.7	10568.0	10553.4	10289.0	10769.6	11589.2
45°	14741.8	14838.2	15218.0	15163.9	14231.9	12657.1	11387.6	11346.7	11156.8	11725.0	12264.1
47.5°	14578.1	14677.5	15308.6	15615.4	15031.0	13608.1	12345.9	12313.8	12150.1	12920.0	12994.5
50°	14220.2	14315.2	15121.6	15836.0	15688.4	14522.6	13450.3	13365.6	13278.0	14300.6	13830.2
52.5°	13549.7	13732.3	14871.8	15888.5	16081.4	15334.9	14611.7	14556.2	14604.4	15757.1	14667.2
55°	11961.7	12166.2	14227.5	15844.7	16372.1	16017.1	15773.1	15770.2	16020.0	17285.1	15565.7
57.5°	11072.0	11216.6	12915.7	15770.2	16716.9	16695.0	16922.8	16950.6	17437.1	18949.1	16506.5
60°	10569.5	10721.4	12251.0	15494.1	17251.5	17571.5	18095.9	18151.5	18877.5	20791.3	17638.7
62.5°	10112.2	10278.8	11839.0	14931.7	17881.2	18824.9	19501.3	19551.0	20402.7	22684.6	18732.9
65°	9330.6	9519.1	11235.6	14562.1	18453.9	20459.6	21288.0	21321.6	22154.3	24668.4	19570.0
67.5°	8226.2	8398.6	10097.6	13745.4	18877.5	22445.0	23663.4	23682.3	23891.3	26069.4	19998.0
70°	6936.3	7002.0	8476.0	12059.6	18376.4	24301.8	26266.6	26271.0	25474.8	26966.4	19927.9
72.5°	4873.5	5028.4	6153.2	9129.0	15792.1	24075.3	27618.0	27667.6	26211.1	26513.5	18335.5
75°	2989.0	3152.6	3859.6	5532.4	10018.7	18934.5	25517.2	25862.0	24830.6	23640.0	14978.4
77.5°	1998.5	2059.8	2518.6	3225.6	4539.0	10893.8	19618.2	20266.8	20627.6	17239.9	9579.0
80°	1114.7	1231.5	1669.8	2004.3	2018.9	4328.6	11763.0	11914.9	11476.7	6864.7	2955.4
82.5°	590.2	654.5	1114.7	1177.5	1101.5	1449.2	4384.1	4388.5	3666.8	1840.7	878.0
85°	457.3	511.3	764.0	718.8	562.4	642.8	1446.3	1525.2	1247.6	753.8	286.3
87.5°	227.9	283.4	518.6	455.8	220.6	184.1	517.2	552.2	492.3	295.1	103.7
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°	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7	7628.7
2.5°	7647.7	7660.9	7676.9	7659.4	7653.6	7630.2	7590.7	7582.0	7561.5	7563.0	7574.7
5°	7714.9	7736.8	7728.1	7660.9	7580.5	7468.0	7351.2	7251.8	7186.1	7181.7	7177.3
7.5°	7843.5	7858.1	7789.4	7598.0	7373.1	7113.0	6867.6	6652.9	6522.8	6490.7	6483.4
10°	8045.1	8042.2	7853.7	7468.0	7019.5	6555.0	6160.5	5862.5	5688.7	5637.5	5624.4
12.5°	8270.0	8236.4	7875.6	7231.4	6519.9	5875.7	5376.0	5044.4	4863.3	4804.8	4790.2
15°	8502.3	8419.1	7821.6	6877.8	5906.3	5143.8	4619.3	4312.5	4214.6	4182.5	4176.7
17.5°	8718.5	8557.8	7666.7	6398.7	5206.6	4414.8	4005.7	3883.0	3906.4	3948.8	3950.2
20°	8930.4	8651.3	7418.4	5793.9	4468.8	3814.4	3675.6	3766.2	3877.2	3963.4	3975.1
22.5°	9139.3	8717.1	7098.4	5095.6	3808.5	3476.9	3574.8	3739.9	3867.0	3960.4	3976.5
25°	9314.6	8733.1	6657.2	4350.5	3349.8	3349.8	3526.6	3682.9	3808.5	3900.6	3916.6
27.5°	9378.9	8625.0	6034.9	3661.0	3119.0	3291.4	3459.4	3589.4	3696.0	3793.9	3811.4
30°	9403.7	8424.9	5316.1	3107.3	3024.0	3228.5	3368.8	3479.8	3580.6	3672.7	3688.7
32.5°	9408.1	8183.9	4553.6	2793.2	2958.3	3162.8	3256.3	3354.2	3462.3	3498.8	3504.7
35°	9435.8	7899.0	3750.1	2632.5	2896.9	3101.5	3176.0	3246.1	3070.8	3083.9	3095.6
37.5°	9516.2	7617.0	3078.1	2541.9	2857.5	3069.3	3158.4	2904.2	2766.9	2734.8	2730.4
40°	9666.7	7316.1	2579.9	2468.9	2842.9	3085.4	3045.9	2711.4	2474.7	2298.0	2271.7
42.5°	9875.6	6991.8	2261.4	2420.7	2853.1	3162.8	2889.6	2525.9	2132.9	2018.9	2004.3
45°	10110.8	6651.4	2089.1	2387.1	2888.2	3222.7	2857.5	2279.0	1973.7	1887.5	1880.2
47.5°	10338.7	6235.0	1999.9	2372.5	2936.4	3174.5	2721.6	2203.0	1897.7	1852.4	1856.8
50°	10600.2	5859.6	1945.9	2356.4	2978.7	3143.8	2568.2	2163.6	1868.5	1924.0	1982.4
52.5°	10820.7	5471.0	1897.7	2324.3	2994.8	3089.8	2528.8	2170.9	1868.5	1975.1	2030.6
55°	11082.2	5177.4	1842.2	2257.1	2964.1	2936.4	2501.0	2214.7	1890.4	1823.2	1829.0
57.5°	11419.7	5080.9	1780.8	2151.9	2861.9	2712.9	2487.9	2257.1	1877.2	1834.9	1849.5
60°	11887.2	5183.2	1756.0	2014.6	2702.6	2537.6	2489.3	2235.1	1785.2	1712.2	1713.6
62.5°	12332.8	5297.2	1754.5	1928.4	2506.9	2381.2	2455.7	2163.6	1738.4	1696.1	1712.2
65°	12478.8	5181.7	1684.4	1831.9	2286.3	2194.2	2394.4	2087.6	1703.4	1639.1	1636.2
67.5°	12283.1	4823.8	1542.7	1675.6	2033.5	1976.6	2314.0	1997.0	1647.9	1595.3	1586.5
70°	11701.7	4024.7	1367.4	1469.6	1745.8	1731.1	2186.9	1891.8	1573.4	1528.1	1490.1
72.5°	10137.1	2867.7	1152.6	1222.8	1421.4	1468.2	2011.6	1754.5	1468.2	1370.3	1311.9
75°	8325.6	2122.7	946.7	961.3	1079.6	1206.7	1770.6	1593.8	1344.0	1177.5	1132.2
77.5°	5098.5	1298.7	753.8	759.7	774.3	962.7	1458.0	1414.1	1186.2	981.7	949.6
80°	1650.8	708.5	544.9	572.7	528.8	705.6	1127.8	1203.8	1018.2	821.0	786.0
82.5°	628.2	413.4	368.1	387.1	366.7	473.3	822.5	964.2	834.2	674.9	549.3
85°	303.9	233.7	217.7	244.0	226.4	242.5	525.9	710.0	632.6	439.7	409.0
87.5°	108.1	103.7	83.3	112.5	96.4	86.2	160.7	357.9	417.8	302.4	270.3
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)