

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: P319769

Luminaire Tested: **GAN-SA5C-760-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5C-760-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35354 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 279
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

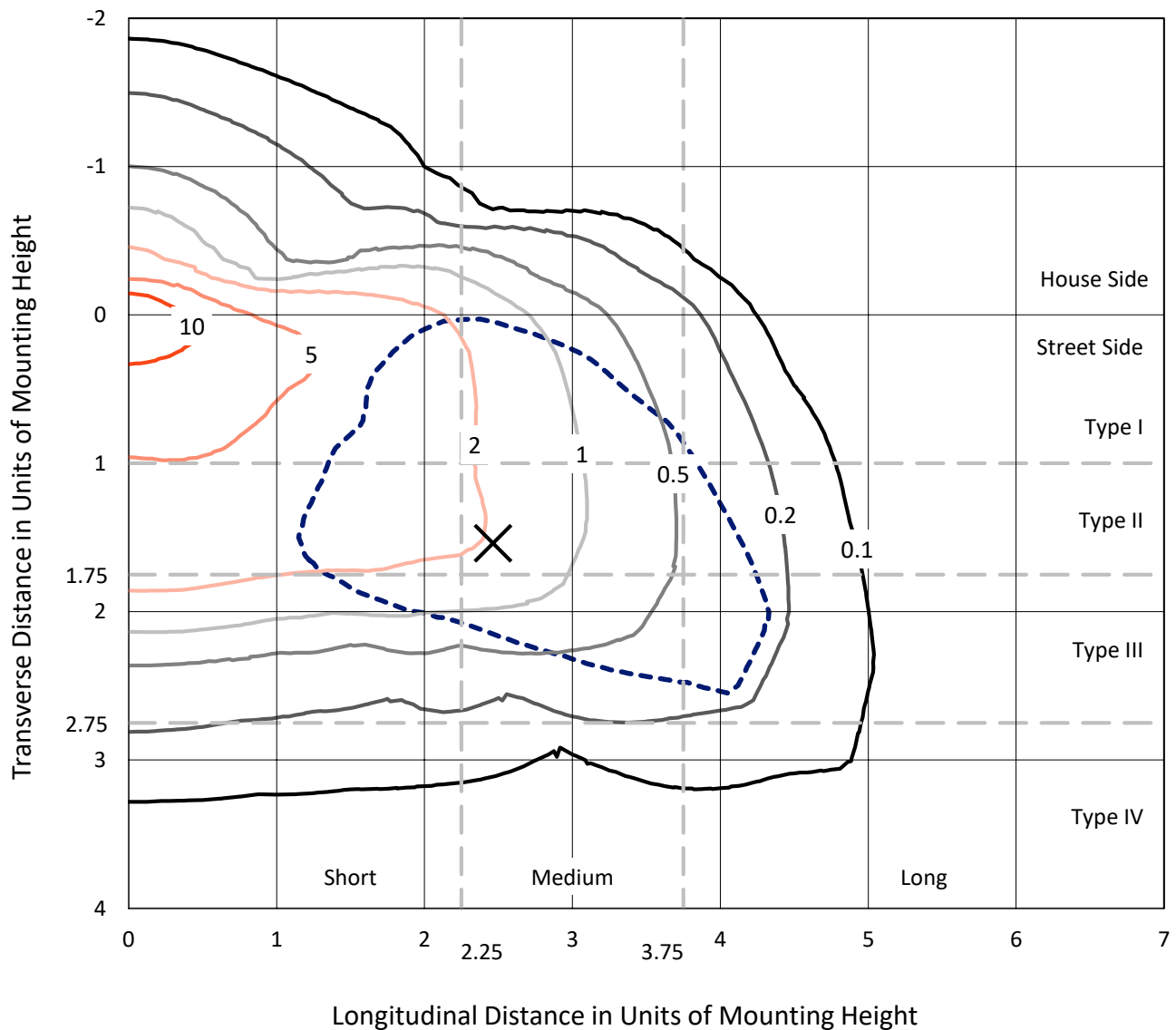


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Iso-Footcandle Lines of Horizontal Illumination

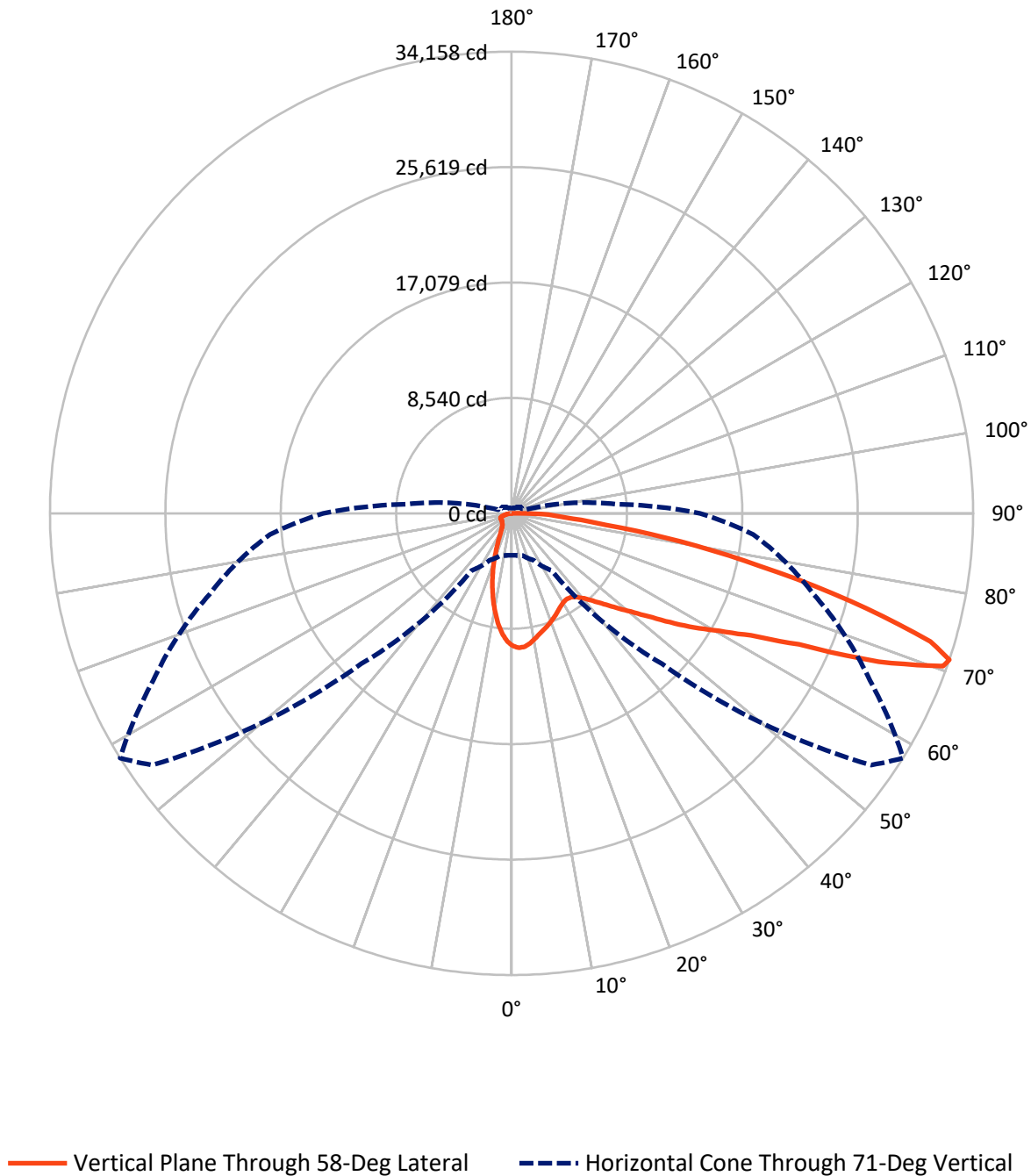
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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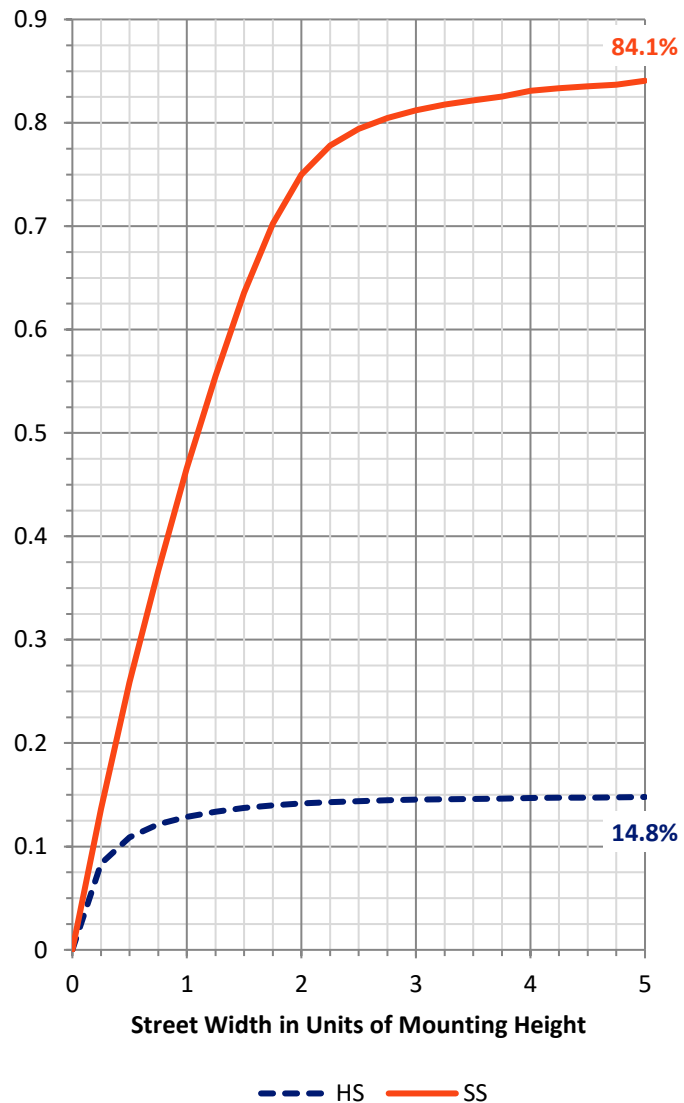
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5285.7	0.0	5285.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	30068.3	0.0	30068.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	35354.0	0.0	35354.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.1	2.4
10°-20°	1879.1	5.3
20°-30°	2388.1	6.8
30°-40°	3042.0	8.6
40°-50°	4313.7	12.2
50°-60°	6675.6	18.9
60°-70°	9087.9	25.7
70°-80°	6062.7	17.1
80°-90°	1060.0	3.0
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°	35354.0	100.0
0°-180°	35354.0	100.0

Coefficient of Utilization



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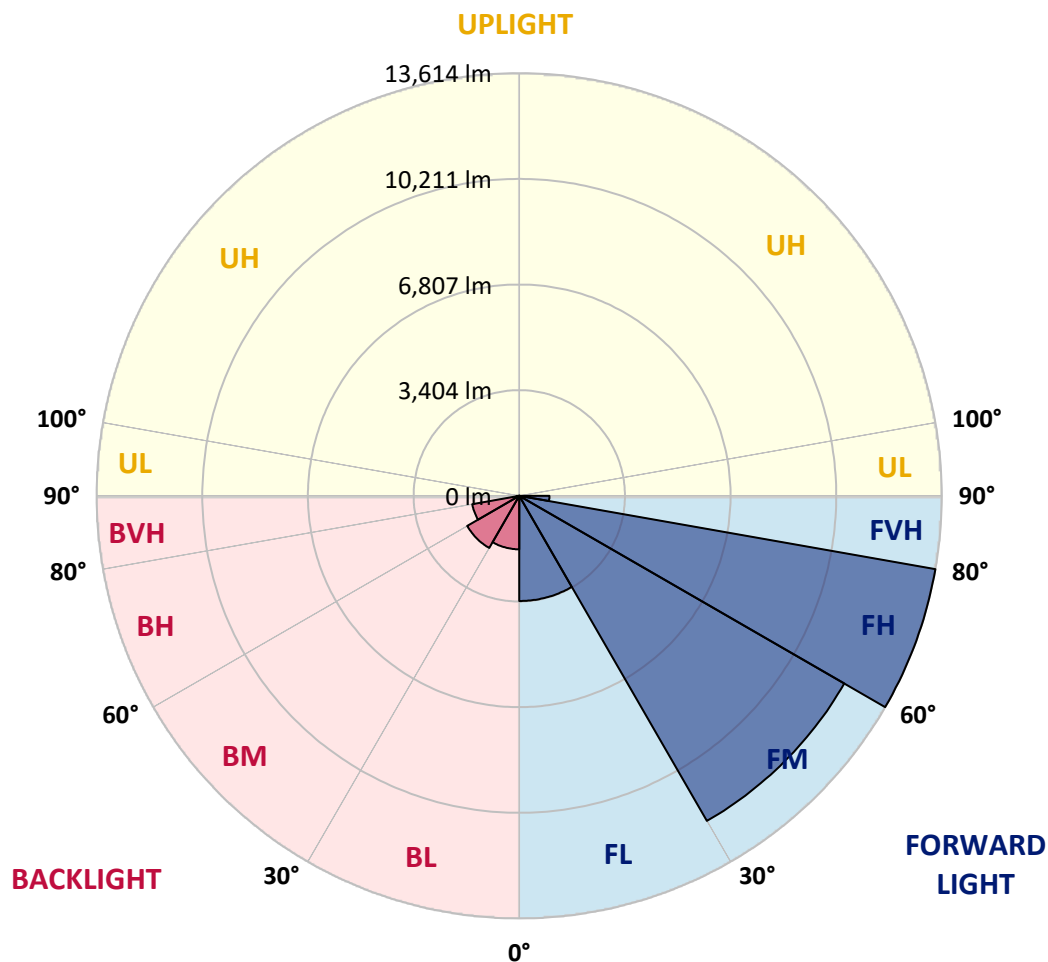
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3389.3	9.6			
FM	(30°-60°)	12092.8	34.2			
FH	(60°-80°)	13614.4	38.5			G5
FVH	(80°-90°)	971.9	2.7			G5
BL	(0°-30°)	1723.0	4.9	B3/2500		
BM	(30°-60°)	1938.4	5.5	B2/2500		
BH	(60°-80°)	1536.2	4.3	B3/2500		G3/2500
BVH	(80°-90°)	88.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4
2.5°	10055.3	10041.7	10046.6	10036.8	10013.4	9990.0	9955.5	9961.7	9913.6	9842.2	9753.6
5°	9865.6	9860.7	9897.6	9918.6	9935.8	9922.3	9912.4	9924.7	9854.5	9756.0	9602.1
7.5°	9467.8	9413.7	9460.5	9530.6	9597.1	9647.6	9714.1	9722.8	9678.4	9575.0	9373.0
10°	8902.6	8850.9	8919.8	9029.4	9162.4	9283.1	9417.3	9442.0	9450.6	9357.0	9111.9
12.5°	8316.4	8277.0	8345.9	8499.9	8720.3	8906.3	9120.6	9157.5	9233.9	9171.0	8870.6
15°	7791.8	7777.0	7860.7	8012.2	8265.9	8550.4	8859.5	8927.2	9056.5	9035.6	8682.1
17.5°	7338.6	7334.9	7398.9	7557.8	7838.6	8198.2	8599.6	8714.2	8906.3	8930.9	8527.0
20°	7001.1	6993.7	7038.1	7155.1	7444.5	7852.1	8318.8	8476.5	8753.6	8839.8	8366.9
22.5°	6820.1	6818.9	6820.1	6875.5	7112.0	7491.3	8045.4	8237.6	8604.6	8767.1	8189.5
25°	6789.3	6785.6	6758.5	6752.4	6886.6	7189.5	7774.5	7986.3	8462.9	8716.6	8020.8
27.5°	6869.4	6874.3	6838.6	6780.7	6807.8	6991.3	7539.3	7765.9	8349.6	8706.8	7903.8
30°	7035.6	7033.1	7002.4	6942.0	6889.1	6917.4	7371.8	7598.4	8273.3	8749.9	7823.8
32.5°	7219.1	7232.7	7226.5	7193.2	7114.4	7001.1	7321.3	7543.0	8251.1	8853.3	7789.3
35°	7439.5	7454.3	7498.7	7524.5	7432.2	7249.9	7429.7	7621.8	8315.1	9047.9	7844.7
37.5°	7648.9	7687.1	7811.5	7921.1	7842.2	7639.0	7717.9	7854.6	8513.4	9354.5	7993.7
40°	7890.3	7923.5	8126.7	8359.5	8347.2	8136.6	8182.1	8273.3	8863.2	9794.2	8263.4
42.5°	8128.0	8194.5	8488.8	8818.8	8913.7	8727.7	8800.4	8848.4	9355.8	10376.7	8733.9
45°	8444.5	8515.9	8924.7	9322.5	9544.2	9439.5	9555.3	9573.7	9975.2	11169.8	9417.3
47.5°	8923.5	9004.8	9481.4	9898.9	10237.5	10248.6	10439.5	10432.1	10748.6	12077.4	10278.2
50°	9669.8	9786.8	10177.2	10567.6	10978.9	11208.0	11462.9	11427.2	11675.9	13044.1	11269.5
52.5°	10647.6	10701.8	10991.2	11279.4	11790.5	12304.0	12669.8	12637.7	12727.6	14038.0	12395.1
55°	11661.2	11701.8	11821.3	11978.9	12666.1	13503.5	14276.9	14226.4	13998.6	15070.0	13507.2
57.5°	12572.5	12655.0	12737.5	12802.8	13547.8	14757.2	15920.9	15924.6	15377.9	16183.3	14656.2
60°	12714.1	12786.8	13332.3	13847.1	15056.4	16429.6	17680.8	17643.8	16805.2	17391.4	15937.0
62.5°	11238.7	11402.5	12313.9	13683.3	16509.6	19488.6	19925.8	19880.2	18512.0	18880.3	17428.3
65°	8054.1	8240.0	9339.8	11397.6	15805.2	22859.3	23977.5	23364.2	20839.6	20711.5	19174.6
67.5°	4646.5	4690.8	5167.4	6820.1	12034.3	23035.4	30158.4	29300.1	24454.1	22789.1	20029.3
70°	3435.9	3434.7	3548.0	4197.0	6512.2	18800.2	33098.0	33867.7	28259.4	23472.6	18821.1
71°	3107.1	3110.8	3237.6	3820.1	5157.6	15736.2	32473.7	34158.4	29261.9	23135.1	17946.8
72.5°	2657.6	2669.9	2846.0	3426.1	4338.6	10852.1	29784.0	32414.5	29737.2	22302.6	16578.6
75°	2016.0	2044.3	2288.1	2887.9	3965.5	5503.6	21859.3	25883.9	26417.1	19679.5	12318.8
77.5°	1438.4	1470.4	1746.3	2428.5	3769.6	4147.7	14638.9	18880.3	19440.6	12611.9	5556.6
80°	908.9	947.0	1155.2	1932.2	3541.8	3938.4	9199.4	12690.7	10600.8	4035.7	1413.8
82.5°	533.2	562.8	716.7	1262.3	2892.8	3793.0	5412.5	7034.4	4125.6	1219.2	642.8
85°	309.1	322.7	447.0	804.2	2101.0	3580.0	3976.5	3932.2	1790.6	596.1	304.2
87.5°	144.1	160.1	264.8	419.9	1166.2	2594.8	3142.8	2715.5	1113.3	279.6	142.9
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°	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4	9795.4
2.5°	9710.4	9689.5	9602.1	9524.5	9443.2	9337.3	9220.3	9205.5	9134.1	9147.6	9123.0
5°	9518.3	9465.4	9254.8	9063.9	8838.5	8636.6	8417.4	8316.4	8171.1	8161.2	8124.3
7.5°	9243.7	9145.2	8818.8	8456.8	8094.7	7749.9	7408.8	7184.6	6955.6	6858.3	6849.7
10°	8934.6	8767.1	8286.8	7751.1	7229.0	6725.3	6237.6	5876.8	5551.6	5397.7	5391.5
12.5°	8641.5	8394.0	7735.1	7006.1	6291.8	5639.1	4970.4	4496.2	4088.6	3951.9	3894.0
15°	8392.7	8044.2	7198.2	6265.9	5398.9	4492.5	3731.5	3232.7	2855.9	2725.3	2700.7
17.5°	8151.4	7703.1	6647.7	5518.4	4470.4	3474.1	2711.8	2341.1	2140.4	2087.4	2086.2
20°	7911.2	7352.1	6072.6	4753.6	3572.6	2598.5	2084.9	1918.7	1851.0	1844.8	1834.9
22.5°	7639.0	6980.2	5467.9	3986.4	2788.1	2043.1	1772.1	1705.6	1697.0	1719.2	1719.2
25°	7384.1	6610.7	4854.6	3235.2	2168.7	1704.4	1582.5	1568.9	1592.3	1631.7	1635.4
27.5°	7146.4	6254.8	4256.1	2567.7	1737.7	1501.2	1450.7	1466.7	1508.6	1554.2	1555.4
30°	6950.6	5918.6	3674.8	2023.4	1468.0	1349.7	1341.1	1373.1	1418.7	1454.4	1463.0
32.5°	6799.2	5631.7	3113.3	1626.8	1291.9	1236.4	1243.8	1270.9	1299.2	1318.9	1332.5
35°	6729.0	5385.4	2594.8	1371.9	1179.8	1149.0	1158.8	1173.6	1185.9	1200.7	1211.8
37.5°	6741.3	5194.5	2131.7	1213.0	1104.7	1088.7	1088.7	1088.7	1088.7	1096.0	1097.3
40°	6855.8	5084.9	1754.9	1112.1	1054.2	1036.9	1023.4	1011.1	1001.2	1006.1	1003.7
42.5°	7148.9	5075.0	1479.0	1048.0	1013.5	985.2	958.1	940.9	928.6	933.5	935.9
45°	7646.4	5198.2	1293.1	1002.4	975.4	932.3	897.8	879.3	870.7	886.7	889.1
47.5°	8290.5	5466.7	1179.8	969.2	939.6	883.0	846.0	828.8	831.3	854.7	860.8
50°	9120.6	5902.6	1125.6	948.3	915.0	841.1	802.9	788.2	795.6	828.8	836.2
52.5°	10031.9	6530.7	1131.8	942.1	899.0	810.3	769.7	752.5	764.8	795.6	801.7
55°	11083.6	7285.6	1234.0	950.7	875.6	790.6	742.6	713.0	722.9	751.2	756.1
57.5°	12252.3	8150.1	1439.6	948.3	846.0	772.2	714.3	669.9	677.3	694.6	699.5
60°	13469.0	9194.4	1758.6	955.7	832.5	750.0	676.1	620.7	618.2	633.0	635.5
62.5°	14929.6	10402.6	2123.1	960.6	841.1	721.7	625.6	571.4	564.0	567.7	570.2
65°	16434.5	11276.9	1986.4	940.9	868.2	698.3	581.3	523.4	509.8	507.4	508.6
67.5°	16481.3	10339.7	1392.8	901.5	879.3	686.0	548.0	482.8	460.6	452.0	450.7
70°	14780.6	8400.1	1085.0	859.6	835.0	666.2	517.2	449.5	416.2	402.7	401.5
71°	13950.5	7732.6	1028.3	838.7	801.7	646.5	503.7	434.7	400.2	385.5	383.0
72.5°	12648.8	6932.2	959.3	805.4	737.7	596.1	477.8	413.8	378.1	360.8	357.1
75°	9077.5	4533.2	823.9	718.0	610.8	475.4	418.7	371.9	341.1	320.2	317.7
77.5°	3497.5	1804.2	623.1	597.3	468.0	371.9	344.8	321.4	299.3	278.3	277.1
80°	1081.3	806.6	454.4	449.5	338.7	277.1	268.5	262.3	253.7	231.5	226.6
82.5°	577.6	463.0	312.8	290.6	221.7	184.7	194.6	197.0	198.3	174.9	172.4
85°	275.9	245.1	176.1	165.0	129.3	103.4	119.5	129.3	130.5	107.1	99.8
87.5°	131.8	128.1	82.5	62.8	48.0	34.5	41.9	51.7	56.6	40.6	35.7
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)