

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: P323610

Luminaire Tested: **GAN-SA6C-760-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36141 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

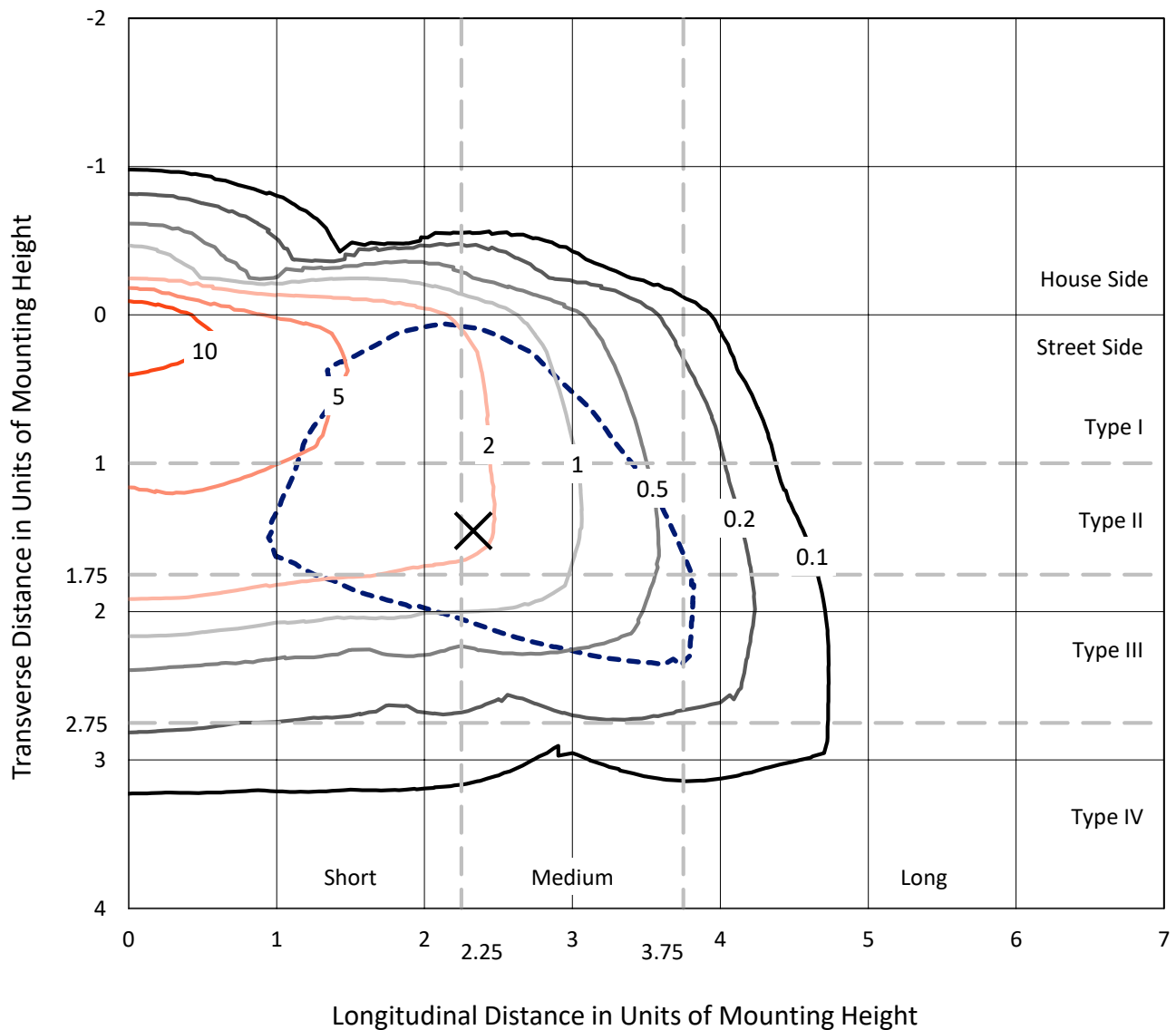
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

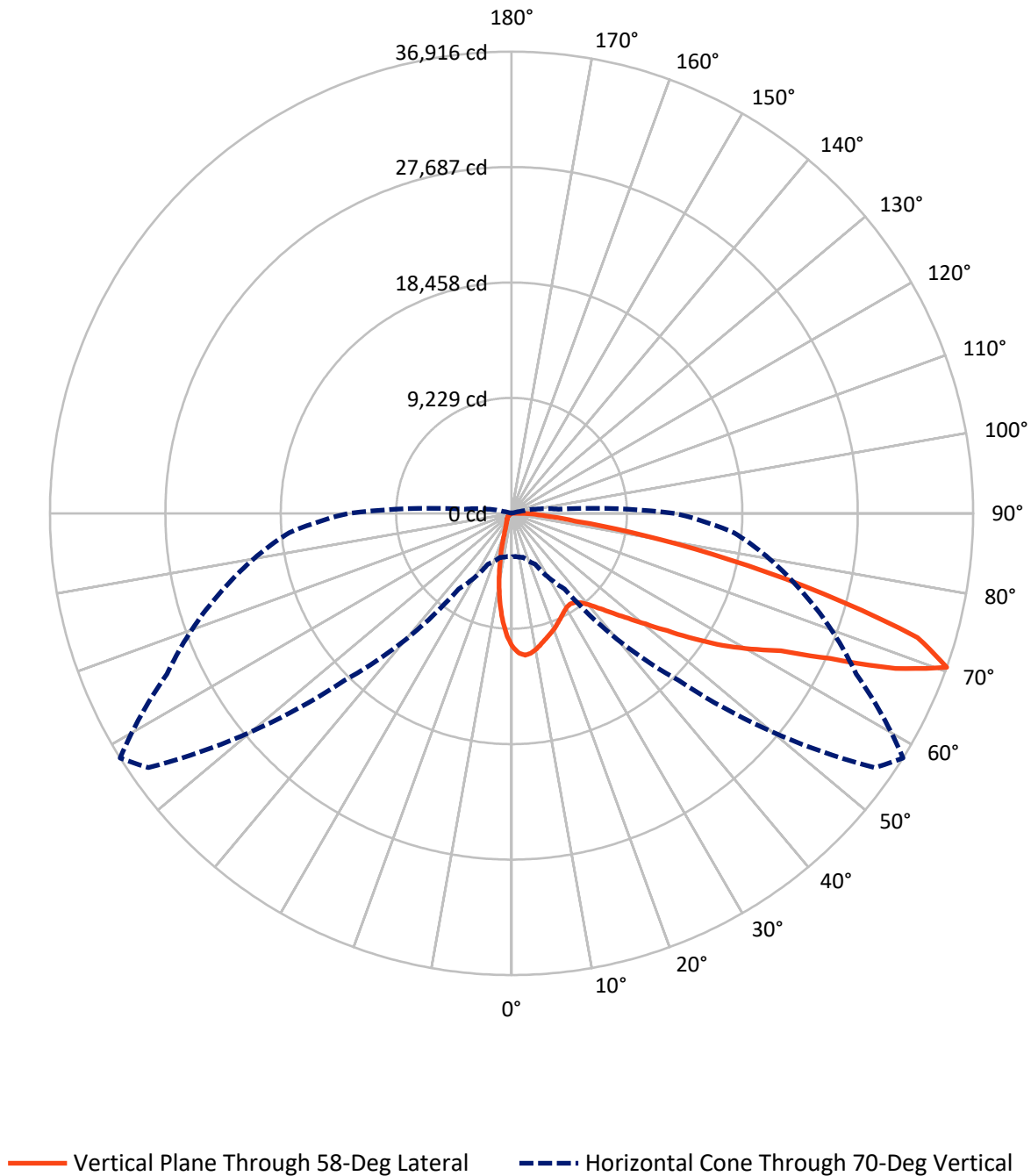
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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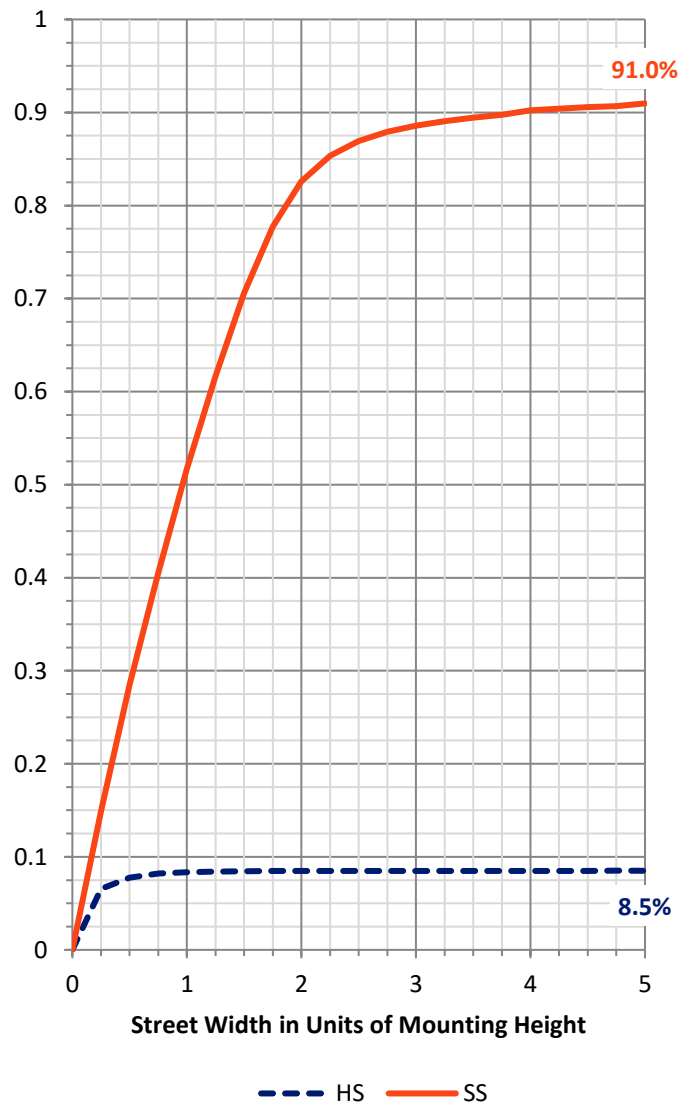
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3092.9	0.0	3092.9
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	33048.1	0.0	33048.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	36141.0	0.0	36141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	873.0	2.4
10°-20°	1832.3	5.1
20°-30°	2408.8	6.7
30°-40°	3190.2	8.8
40°-50°	4768.3	13.2
50°-60°	7638.6	21.1
60°-70°	9628.4	26.6
70°-80°	5193.5	14.4
80°-90°	607.9	1.7
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°	36141.0	100.0
0°-180°	36141.0	100.0

Coefficient of Utilization



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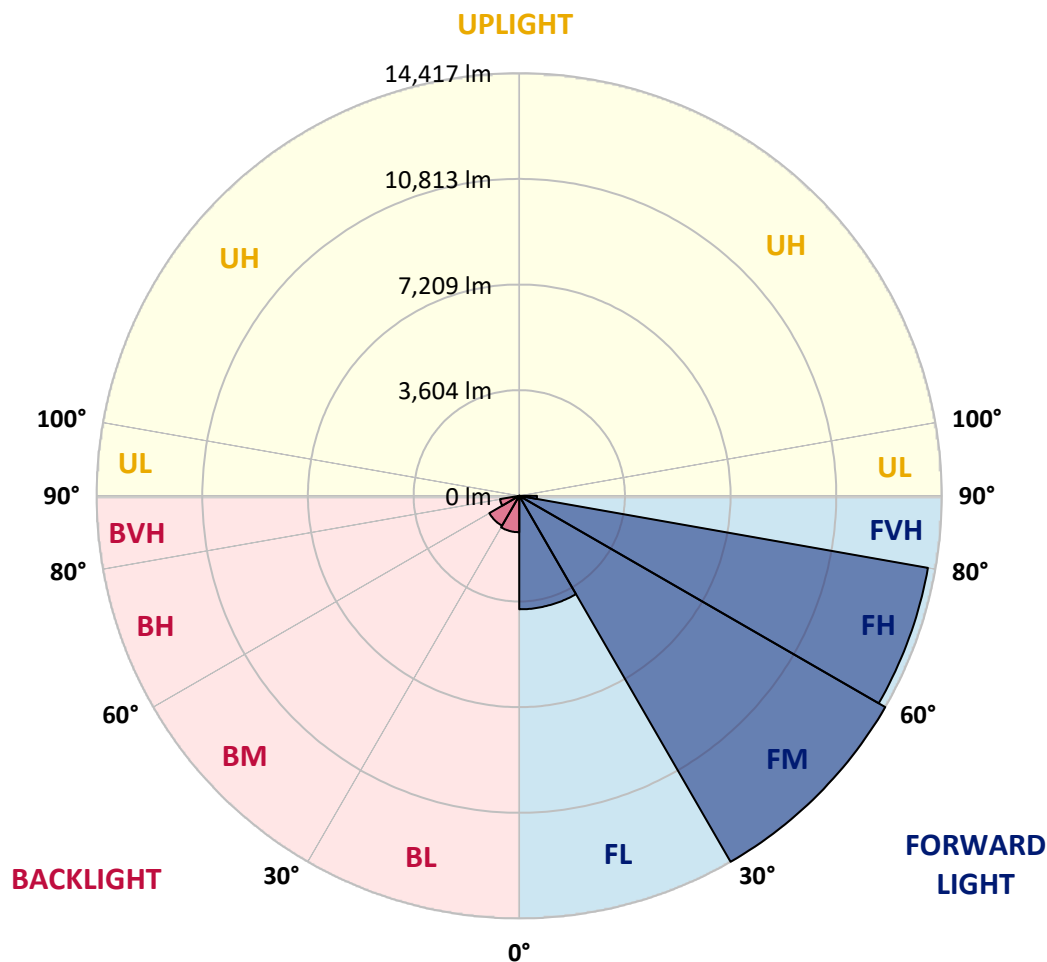
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3871.4	10.7			
FM	(30°-60°)	14417.2	39.9			
FH	(60°-80°)	14156.8	39.2			G5
FVH	(80°-90°)	602.7	1.7			G4/750
BL	(0°-30°)	1242.6	3.4	B3/2500		
BM	(30°-60°)	1179.9	3.3	B2/2500		
BH	(60°-80°)	665.1	1.8	B2/1000		G2/1000
BVH	(80°-90°)	5.2	0.0			G0/10
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°	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9
2.5°	11561.0	11532.5	11522.0	11503.9	11434.8	11367.2	11233.4	11195.8	11111.7	10911.8	10699.9
5°	11570.0	11568.5	11600.1	11592.6	11568.5	11537.0	11440.8	11391.2	11248.4	10962.9	10575.2
7.5°	11012.5	11041.1	11111.7	11168.8	11234.9	11320.6	11332.6	11284.5	11167.3	10859.2	10345.3
10°	10264.1	10309.2	10408.4	10521.1	10693.9	10865.2	11018.5	11012.5	10971.9	10668.4	10068.7
12.5°	9514.2	9566.8	9681.0	9847.8	10092.8	10372.3	10645.8	10683.4	10751.0	10497.0	9813.3
15°	8857.5	8902.6	9015.3	9219.7	9523.2	9898.9	10300.2	10369.3	10543.6	10363.3	9599.9
17.5°	8300.0	8328.5	8411.2	8638.1	8989.7	9445.1	9966.6	10101.8	10361.8	10258.1	9415.0
20°	7910.7	7915.2	7969.3	8128.6	8480.3	8989.7	9620.9	9814.8	10169.4	10167.9	9224.2
22.5°	7718.4	7703.3	7713.9	7805.5	8064.0	8555.4	9275.3	9505.2	9996.6	10091.3	9030.3
25°	7682.3	7670.3	7640.2	7652.2	7808.5	8175.2	8926.6	9192.6	9844.8	10044.7	8862.0
27.5°	7795.0	7807.0	7755.9	7701.8	7713.9	7928.8	8617.0	8925.1	9721.6	10044.7	8743.3
30°	8021.9	8027.9	7990.4	7919.7	7825.1	7859.6	8402.1	8710.2	9660.0	10113.8	8668.1
32.5°	8272.9	8306.0	8301.5	8244.4	8109.1	7969.3	8351.1	8632.1	9655.5	10267.1	8660.6
35°	8584.0	8621.6	8684.7	8672.6	8531.4	8301.5	8525.4	8746.3	9744.1	10519.6	8741.8
37.5°	8914.6	8971.7	9107.0	9171.6	9079.9	8819.9	8916.1	9073.9	9981.6	10928.4	8947.7
40°	9234.7	9299.3	9545.8	9799.7	9730.6	9463.1	9508.2	9634.4	10403.9	11515.9	9338.4
42.5°	9548.8	9645.0	10007.1	10424.9	10507.6	10294.2	10318.2	10418.9	11030.5	12324.5	9977.1
45°	9924.5	10032.7	10569.2	11084.6	11305.6	11212.4	11314.6	11380.7	11849.6	13392.9	10838.2
47.5°	10476.0	10600.7	11259.0	11846.6	12234.3	12294.4	12500.3	12543.9	12885.0	14637.3	11960.8
50°	11552.0	11586.6	12181.7	12715.2	13274.2	13634.9	13869.3	13902.4	14138.3	15997.3	13362.9
52.5°	12906.0	12928.6	13265.2	13622.9	14258.6	14994.9	15543.4	15590.0	15639.6	17322.8	14747.0
55°	14251.0	14248.0	14470.4	14680.8	15408.2	16478.2	17668.4	17697.0	17340.8	18580.6	15804.9
57.5°	15091.1	15172.3	15510.4	15780.9	16796.8	18168.8	19820.4	19925.6	19127.6	19512.3	16850.9
60°	14823.6	14862.7	15612.6	16613.4	18526.5	20571.8	21998.0	22025.0	20471.1	20442.6	18173.3
62.5°	12629.5	12650.6	13828.8	15892.1	19402.6	23688.6	24624.9	24184.5	22016.0	21733.5	19755.8
65°	8656.1	8792.9	9777.2	12327.5	17793.1	25643.8	28691.4	27962.6	24370.9	23593.9	21186.5
67.5°	5097.5	5068.9	5555.8	7434.3	13068.3	24345.3	33835.5	33111.2	27582.4	24839.8	20767.2
70°	3482.0	3462.4	3648.8	4500.9	7377.2	18885.7	35454.0	36916.2	30418.1	24001.2	17872.8
72.5°	2485.6	2496.1	2771.2	3497.0	4631.6	11003.5	30488.8	33949.7	29530.0	20923.5	13585.3
75°	1687.6	1716.2	2109.9	2868.8	4060.6	5597.9	21635.8	25807.6	24046.3	15206.8	7808.5
77.5°	907.7	939.2	1403.6	2311.3	3671.3	3889.2	13917.4	17761.6	15104.6	6836.2	2263.2
80°	378.7	396.7	656.7	1680.1	3172.4	3415.9	8188.7	10770.6	6436.5	1348.0	504.9
82.5°	163.8	172.8	273.5	1002.4	2371.4	2883.9	4335.6	5181.6	1950.6	296.1	254.0
85°	31.6	33.1	112.7	530.5	1513.3	1627.5	2810.2	2754.6	876.1	127.7	184.8
87.5°	0.0	0.0	27.1	166.8	444.8	886.7	1714.7	1693.7	297.6	61.6	69.1
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°	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9	10675.9
2.5°	10591.7	10488.0	10270.1	10001.1	9795.2	9568.3	9388.0	9159.6	9060.4	9064.9	9010.8
5°	10354.3	10140.9	9658.5	9049.9	8581.0	8097.1	7680.8	7266.0	7021.1	6941.4	6866.3
7.5°	10014.6	9676.5	8907.1	7969.3	7175.9	6400.4	5725.7	5132.1	4756.4	4573.0	4505.4
10°	9631.4	9156.6	8043.0	6807.7	5674.6	4625.6	3751.0	2990.6	2687.0	2481.1	2428.5
12.5°	9294.8	8651.6	7198.4	5616.0	4271.0	3005.6	2171.5	1698.2	1492.3	1411.1	1397.6
15°	8977.7	8179.7	6385.4	4536.9	2957.5	1849.9	1381.1	1220.3	1172.2	1158.7	1158.7
17.5°	8678.7	7730.4	5590.4	3474.5	1956.6	1296.9	1143.6	1107.6	1092.5	1091.0	1092.5
20°	8366.1	7281.1	4809.0	2545.7	1366.0	1098.5	1056.5	1036.9	1032.4	1032.4	1032.4
22.5°	8067.0	6831.7	4048.5	1818.4	1095.5	1002.4	981.3	967.8	963.3	961.8	958.8
25°	7780.0	6404.9	3306.2	1284.9	961.8	918.2	900.2	882.1	868.6	861.1	856.6
27.5°	7544.0	6024.7	2614.9	1030.9	868.6	831.0	808.5	781.5	748.4	733.4	727.4
30°	7356.2	5677.6	2015.3	870.1	781.5	743.9	709.3	662.7	614.6	589.1	587.6
32.5°	7208.9	5336.4	1529.8	769.4	703.3	656.7	607.1	548.5	492.9	464.4	462.9
35°	7136.8	5035.9	1169.2	695.8	634.2	575.6	514.0	449.3	395.2	368.2	365.2
37.5°	7184.9	4781.9	912.2	634.2	575.6	507.9	435.8	368.2	320.1	296.1	294.5
40°	7360.7	4619.6	740.9	581.6	526.0	443.3	365.2	302.1	261.5	242.0	240.4
42.5°	7734.9	4559.5	632.7	538.0	477.9	383.2	303.6	249.5	211.9	198.4	195.4
45°	8360.1	4648.2	559.0	495.9	428.3	326.1	251.0	204.4	171.3	160.8	159.3
47.5°	9192.6	4881.1	506.4	455.3	383.2	275.0	208.9	165.3	139.8	129.2	127.7
50°	10265.6	5250.8	462.9	414.8	341.1	232.9	172.8	130.7	108.2	100.7	100.7
52.5°	11433.3	5691.1	423.8	377.2	299.1	193.9	139.8	100.7	85.7	76.6	76.6
55°	12398.1	6075.8	381.7	348.6	248.0	160.8	106.7	76.6	63.1	58.6	58.6
57.5°	13361.4	6486.1	333.6	299.1	198.4	130.7	81.2	57.1	46.6	43.6	43.6
60°	14610.2	6988.0	287.0	243.5	156.3	99.2	60.1	40.6	34.6	33.1	33.1
62.5°	15983.8	7282.6	245.0	195.4	121.7	73.6	43.6	27.1	25.5	25.5	24.0
65°	16823.8	6866.3	205.9	156.3	94.7	55.6	28.6	19.5	22.5	21.0	18.0
67.5°	15752.3	5375.5	168.3	121.7	73.6	42.1	18.0	13.5	24.0	19.5	15.0
70°	13042.8	3763.0	130.7	85.7	58.6	36.1	12.0	9.0	25.5	19.5	12.0
72.5°	9760.7	2518.7	103.7	57.1	43.6	31.6	10.5	4.5	22.5	16.5	10.5
75°	5333.4	1014.4	82.7	36.1	27.1	22.5	7.5	3.0	15.0	12.0	7.5
77.5°	1403.6	267.5	60.1	24.0	15.0	9.0	4.5	1.5	7.5	6.0	3.0
80°	357.7	103.7	39.1	16.5	10.5	4.5	0.0	0.0	1.5	0.0	0.0
82.5°	190.9	43.6	24.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	144.3	28.6	13.5	7.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	55.6	9.0	4.5	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)