

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: P323599

Luminaire Tested: **GAN-SA5B-760-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323599
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-SA5B-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 800mA 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: 24400 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

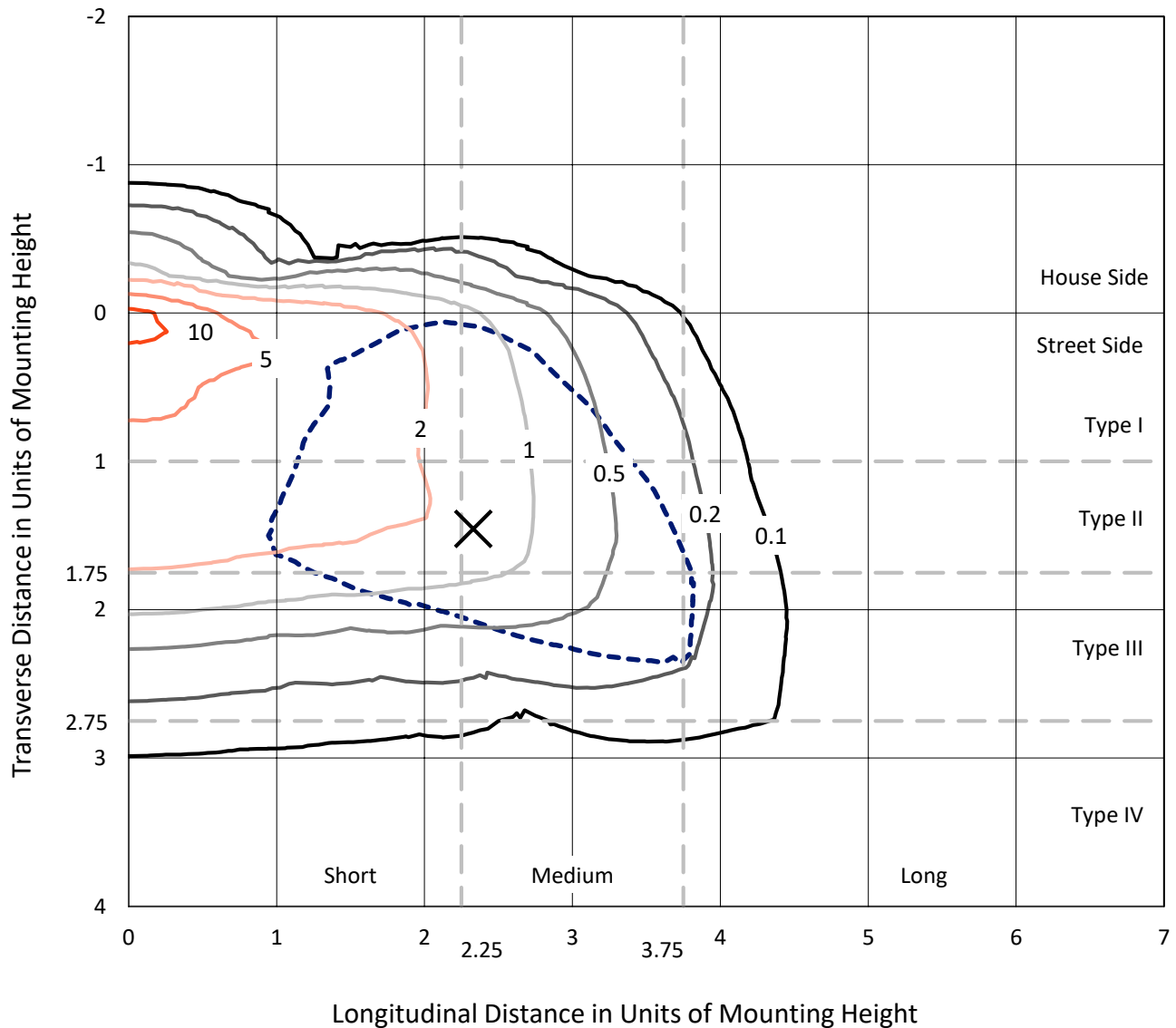
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

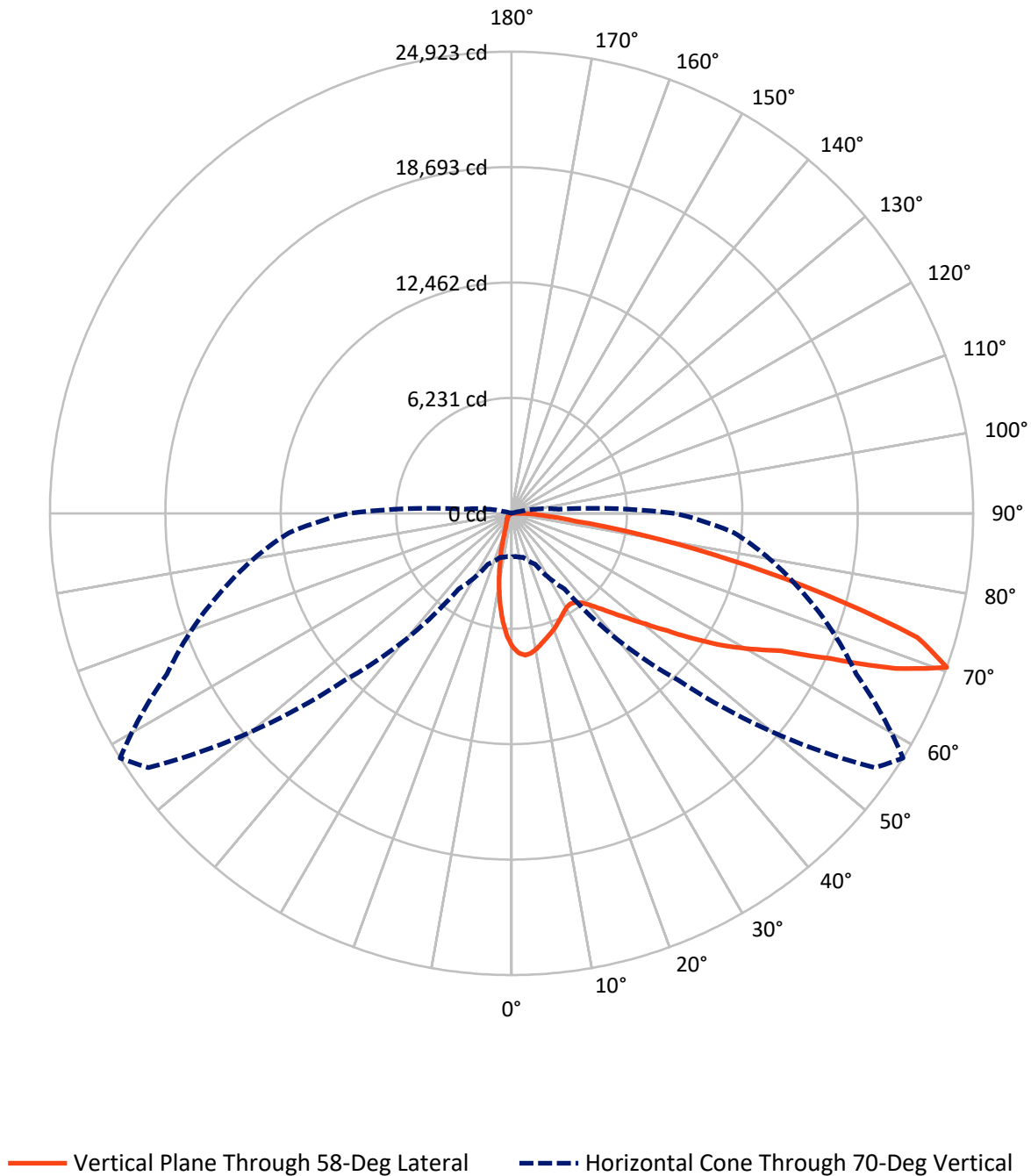
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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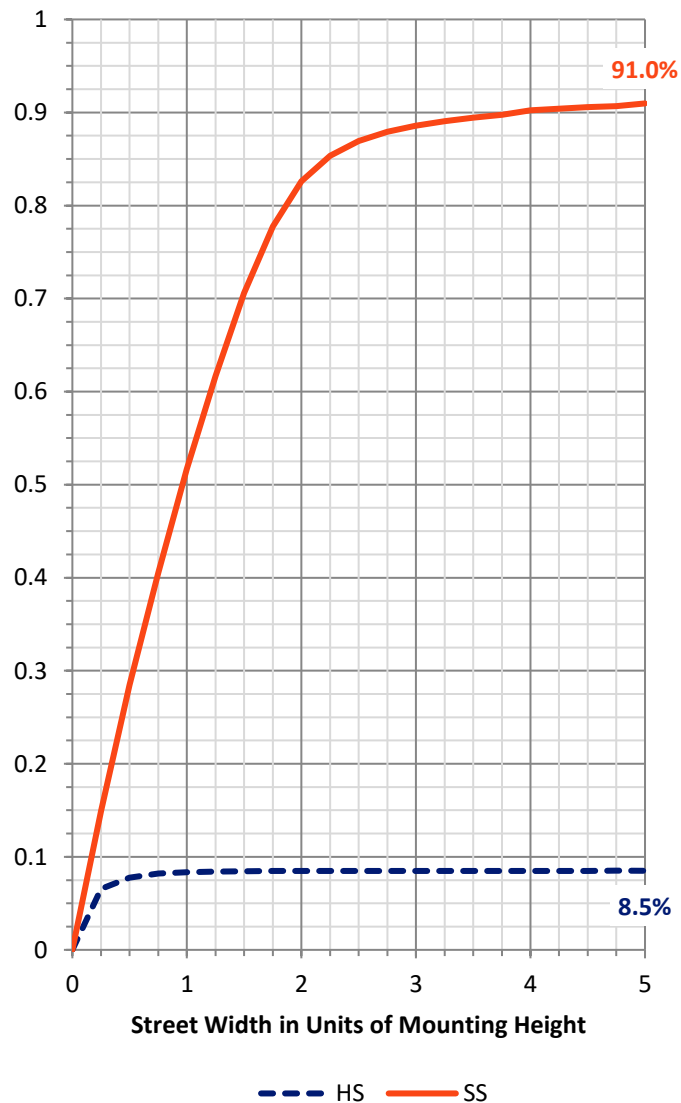
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2088.1	0.0	2088.1
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	22311.9	0.0	22311.9
	% Fixture	91.4	0.0	91.4
Total	Lumens	24400.0	0.0	24400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.4	2.4
10°-20°	1237.0	5.1
20°-30°	1626.2	6.7
30°-40°	2153.8	8.8
40°-50°	3219.2	13.2
50°-60°	5157.1	21.1
60°-70°	6500.5	26.6
70°-80°	3506.3	14.4
80°-90°	410.4	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°	24400.0	100.0
0°-180°	24400.0	100.0

Coefficient of Utilization



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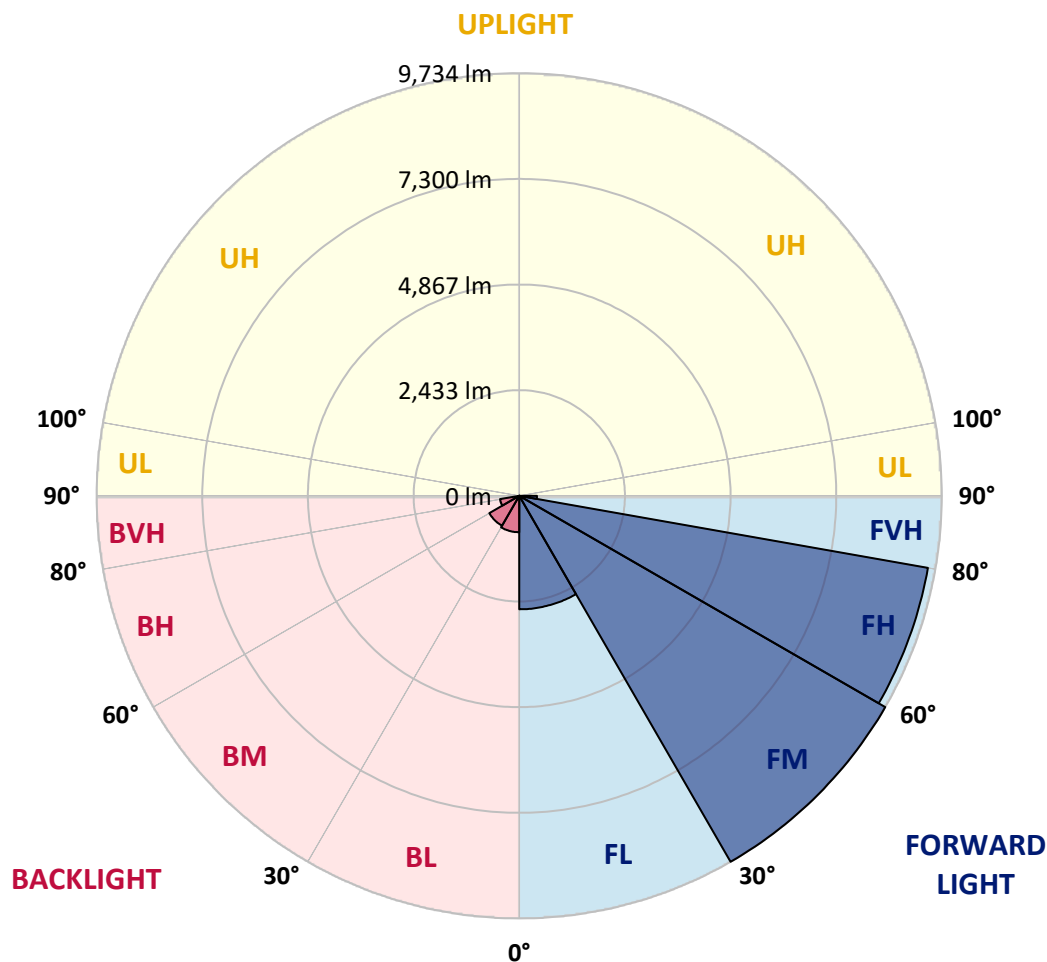
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2613.7	10.7			
FM	(30°-60°)	9733.5	39.9			
FH	(60°-80°)	9557.7	39.2			G4/12000
FVH	(80°-90°)	406.9	1.7			G3/500
BL	(0°-30°)	838.9	3.4	B2/1000		
BM	(30°-60°)	796.6	3.3	B1/1000		
BH	(60°-80°)	449.1	1.8	B1/500		G1/500
BVH	(80°-90°)	3.5	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-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6
2.5°	7805.2	7786.0	7778.9	7766.7	7720.0	7674.4	7584.1	7558.7	7501.9	7366.9	7223.9
5°	7811.3	7810.3	7831.6	7826.5	7810.3	7789.0	7724.1	7690.6	7594.2	7401.4	7139.7
7.5°	7434.9	7454.2	7501.9	7540.4	7585.1	7642.9	7651.0	7618.6	7539.4	7331.4	6984.4
10°	6929.6	6960.1	7027.0	7103.1	7219.8	7335.5	7439.0	7434.9	7407.5	7202.6	6797.8
12.5°	6423.4	6458.9	6536.0	6648.6	6814.0	7002.7	7187.4	7212.7	7258.4	7086.9	6625.3
15°	5980.0	6010.4	6086.5	6224.5	6429.5	6683.1	6954.0	7000.7	7118.4	6996.6	6481.2
17.5°	5603.6	5622.9	5678.7	5831.9	6069.3	6376.7	6728.8	6820.1	6995.6	6925.6	6356.4
20°	5340.8	5343.8	5380.4	5487.9	5725.3	6069.3	6495.4	6626.3	6865.7	6864.7	6227.6
22.5°	5210.9	5200.8	5207.9	5269.8	5444.3	5776.1	6262.0	6417.3	6749.1	6813.0	6096.7
25°	5186.6	5178.5	5158.2	5166.3	5271.8	5519.4	6026.7	6206.2	6646.6	6781.5	5983.0
27.5°	5262.7	5270.8	5236.3	5199.8	5207.9	5353.0	5817.7	6025.6	6563.4	6781.5	5902.9
30°	5415.9	5419.9	5394.6	5346.9	5283.0	5306.3	5672.6	5880.6	6521.8	6828.2	5852.2
32.5°	5585.3	5607.6	5604.6	5566.0	5474.7	5380.4	5638.1	5827.8	6518.7	6931.7	5847.1
35°	5795.3	5820.7	5863.3	5855.2	5759.8	5604.6	5755.8	5904.9	6578.6	7102.1	5901.9
37.5°	6018.5	6057.1	6148.4	6192.0	6130.2	5954.6	6019.6	6126.1	6738.9	7378.1	6040.9
40°	6234.7	6278.3	6444.7	6616.1	6569.5	6388.9	6419.3	6504.5	7024.0	7774.8	6304.7
42.5°	6446.7	6511.6	6756.2	7038.2	7094.0	6949.9	6966.2	7034.1	7447.1	8320.6	6735.9
45°	6700.3	6773.4	7135.6	7483.6	7632.8	7569.9	7638.8	7683.5	8000.0	9042.0	7317.2
47.5°	7072.7	7156.9	7601.3	7998.0	8259.8	8300.4	8439.4	8468.8	8699.1	9882.1	8075.1
50°	7799.2	7822.5	8224.3	8584.4	8961.9	9205.4	9363.6	9386.0	9545.3	10800.3	9021.7
52.5°	8713.3	8728.5	8955.8	9197.3	9626.4	10123.6	10493.9	10525.4	10558.8	11695.2	9956.2
55°	9621.4	9619.3	9769.5	9911.5	10402.6	11125.0	11928.5	11947.8	11707.3	12544.4	10670.4
57.5°	10188.5	10243.3	10471.6	10654.2	11340.1	12266.4	13381.4	13452.4	12913.7	13173.4	11376.6
60°	10007.9	10034.3	10540.6	11216.3	12507.9	13888.7	14851.6	14869.8	13820.7	13801.5	12269.4
62.5°	8526.6	8540.8	9336.3	10729.3	13099.4	15993.0	16625.1	16327.8	14863.7	14673.0	13337.8
65°	5844.0	5936.4	6600.9	8322.7	12012.7	17313.0	19370.5	18878.5	16453.6	15929.1	14303.7
67.5°	3441.5	3422.2	3750.9	5019.2	8822.9	16436.4	22843.5	22354.5	18621.8	16770.2	14020.6
70°	2350.8	2337.6	2463.4	3038.7	4980.6	12750.3	23936.2	24923.4	20536.3	16204.0	12066.5
72.5°	1678.1	1685.2	1870.9	2360.9	3127.0	7428.8	20584.0	22920.6	19936.7	14126.1	9171.9
75°	1139.4	1158.7	1424.5	1936.9	2741.4	3779.3	14607.0	17423.5	16234.4	10266.6	5271.8
77.5°	612.8	634.1	947.6	1560.4	2478.6	2625.8	9396.1	11991.4	10197.6	4615.4	1528.0
80°	255.7	267.9	443.4	1134.3	2141.8	2306.2	5528.5	7271.6	4345.5	910.1	340.9
82.5°	110.6	116.7	184.7	676.7	1601.0	1947.0	2927.1	3498.3	1316.9	199.9	171.5
85°	21.3	22.3	76.1	358.2	1021.7	1098.8	1897.3	1859.7	591.5	86.2	124.8
87.5°	0.0	0.0	18.3	112.6	300.3	598.6	1157.6	1143.4	200.9	41.6	46.7
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°	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6	7207.6
2.5°	7150.8	7080.8	6933.7	6752.1	6613.1	6459.9	6338.1	6183.9	6117.0	6120.0	6083.5
5°	6990.5	6846.5	6520.8	6109.9	5793.3	5466.6	5185.6	4905.5	4740.2	4686.4	4635.7
7.5°	6761.2	6532.9	6013.5	5380.4	4844.7	4321.1	3865.6	3464.8	3211.2	3087.4	3041.7
10°	6502.5	6181.9	5430.1	4596.1	3831.1	3122.9	2532.4	2019.0	1814.1	1675.1	1639.6
12.5°	6275.2	5841.0	4859.9	3791.5	2883.5	2029.2	1466.1	1146.5	1007.5	952.7	943.6
15°	6061.2	5522.4	4311.0	3063.0	1996.7	1249.0	932.4	823.8	791.4	782.2	782.2
17.5°	5859.3	5219.0	3774.3	2345.7	1321.0	875.6	772.1	747.8	737.6	736.6	737.6
20°	5648.2	4915.7	3246.7	1718.7	922.3	741.7	713.3	700.1	697.0	697.0	697.0
22.5°	5446.3	4612.3	2733.3	1227.7	739.6	676.7	662.5	653.4	650.4	649.3	647.3
25°	5252.5	4324.2	2232.1	867.5	649.3	619.9	607.7	595.6	586.4	581.4	578.3
27.5°	5093.2	4067.5	1765.4	696.0	586.4	561.1	545.8	527.6	505.3	495.1	491.1
30°	4966.4	3833.1	1360.6	587.4	527.6	502.2	478.9	447.4	415.0	397.7	396.7
32.5°	4867.0	3602.8	1032.9	519.5	474.8	443.4	409.9	370.3	332.8	313.5	312.5
35°	4818.3	3399.9	789.4	469.8	428.2	388.6	347.0	303.4	266.8	248.6	246.5
37.5°	4850.8	3228.4	615.9	428.2	388.6	342.9	294.2	248.6	216.1	199.9	198.9
40°	4969.5	3118.8	500.2	392.6	355.1	299.3	246.5	203.9	176.5	163.3	162.3
42.5°	5222.1	3078.3	427.1	363.2	322.6	258.7	204.9	168.4	143.1	133.9	131.9
45°	5644.2	3138.1	377.4	334.8	289.2	220.2	169.4	138.0	115.7	108.6	107.5
47.5°	6206.2	3295.4	341.9	307.4	258.7	185.7	141.0	111.6	94.4	87.3	86.2
50°	6930.7	3545.0	312.5	280.0	230.3	157.3	116.7	88.3	73.1	68.0	68.0
52.5°	7719.0	3842.3	286.1	254.7	201.9	130.9	94.4	68.0	57.8	51.7	51.7
55°	8370.4	4102.0	257.7	235.4	167.4	108.6	72.0	51.7	42.6	39.6	39.6
57.5°	9020.7	4379.0	225.2	201.9	133.9	88.3	54.8	38.6	31.5	29.4	29.4
60°	9863.8	4717.8	193.8	164.4	105.5	67.0	40.6	27.4	23.3	22.3	22.3
62.5°	10791.2	4916.7	165.4	131.9	82.2	49.7	29.4	18.3	17.2	17.2	16.2
65°	11358.3	4635.7	139.0	105.5	63.9	37.5	19.3	13.2	15.2	14.2	12.2
67.5°	10634.9	3629.2	113.6	82.2	49.7	28.4	12.2	9.1	16.2	13.2	10.1
70°	8805.6	2540.5	88.3	57.8	39.6	24.4	8.1	6.1	17.2	13.2	8.1
72.5°	6589.8	1700.5	70.0	38.6	29.4	21.3	7.1	3.0	15.2	11.2	7.1
75°	3600.8	684.8	55.8	24.4	18.3	15.2	5.1	2.0	10.1	8.1	5.1
77.5°	947.6	180.6	40.6	16.2	10.1	6.1	3.0	1.0	5.1	4.1	2.0
80°	241.5	70.0	26.4	11.2	7.1	3.0	0.0	0.0	1.0	0.0	0.0
82.5°	128.9	29.4	16.2	8.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	97.4	19.3	9.1	5.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	37.5	6.1	3.0	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)