

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: P323594

Luminaire Tested: **GAN-SA0A-760-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323594
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-SA0A-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 615mA 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: 39406 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

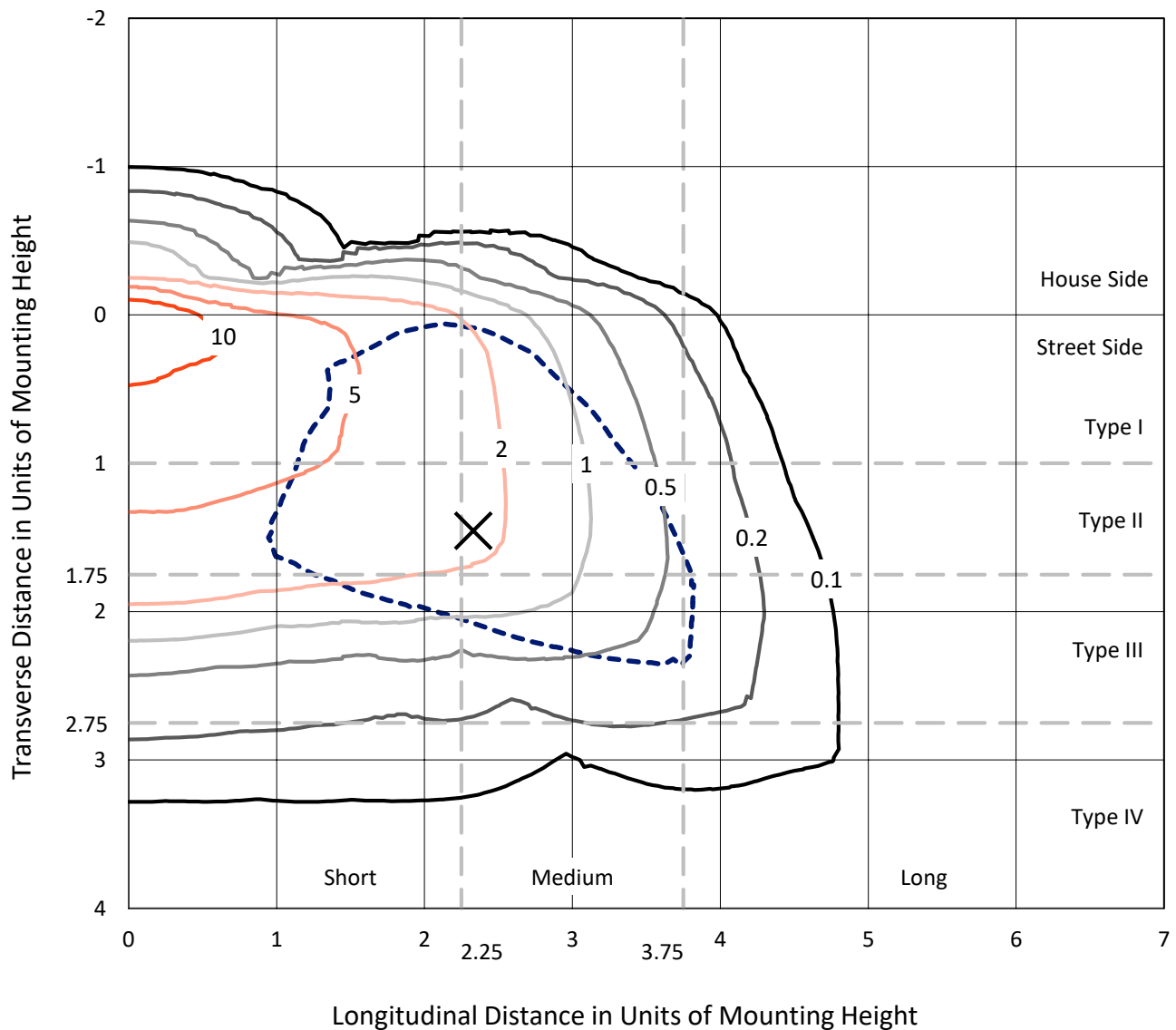
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

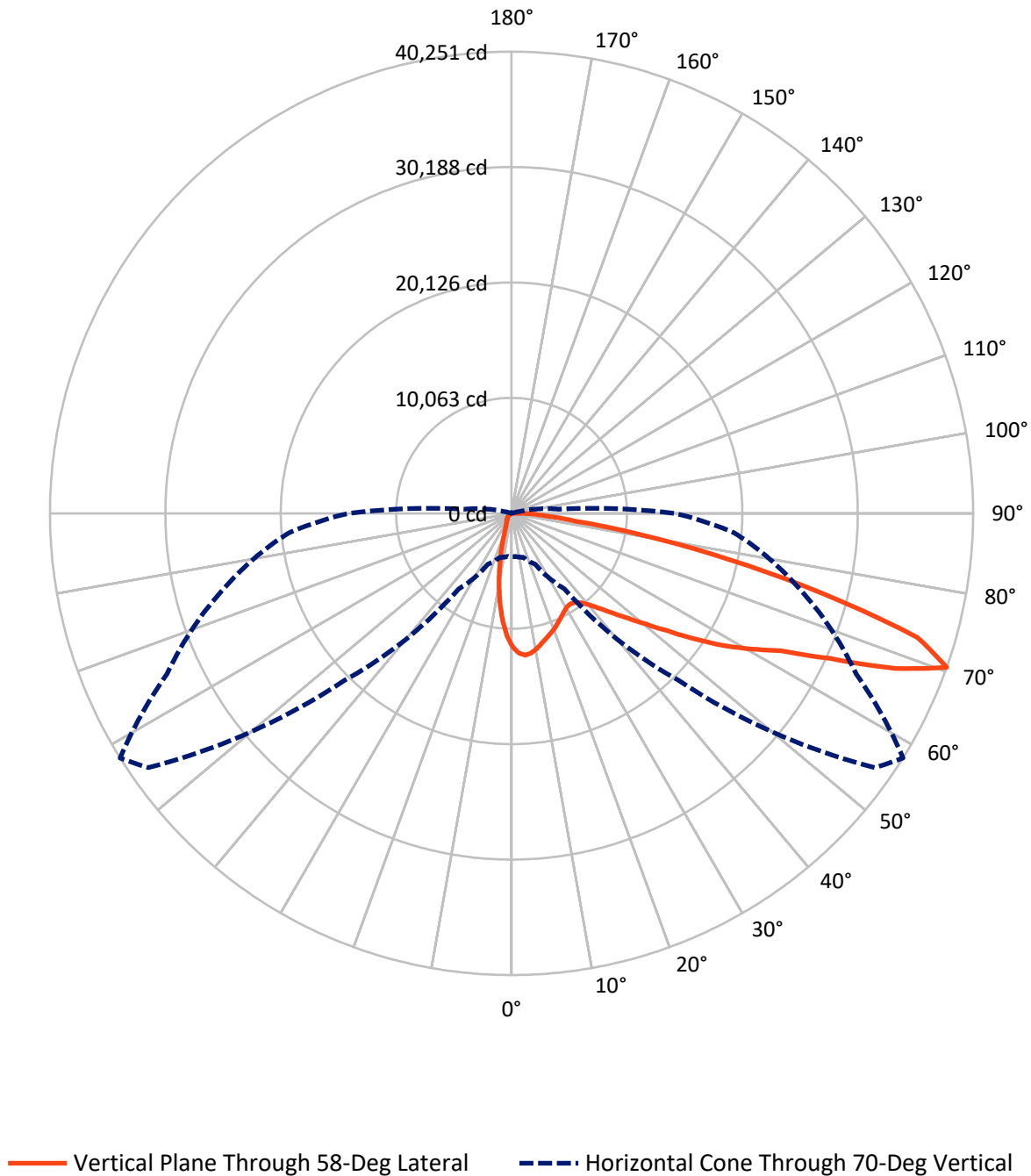
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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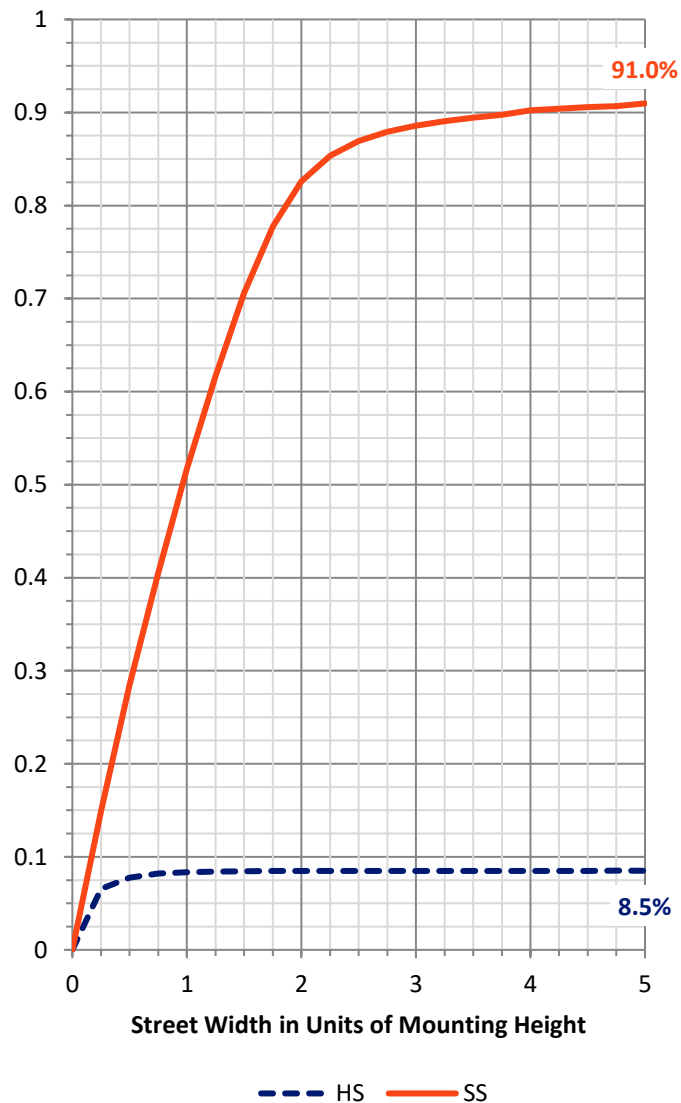
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3372.3	0.0	3372.3
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	36033.7	0.0	36033.7
	% Fixture	91.4	0.0	91.4
Total	Lumens	39406.0	0.0	39406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	951.9	2.4
10°-20°	1997.8	5.1
20°-30°	2626.4	6.7
30°-40°	3478.4	8.8
40°-50°	5199.1	13.2
50°-60°	8328.7	21.1
60°-70°	10498.3	26.6
70°-80°	5662.7	14.4
80°-90°	662.8	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°	39406.0	100.0
0°-180°	39406.0	100.0

Coefficient of Utilization



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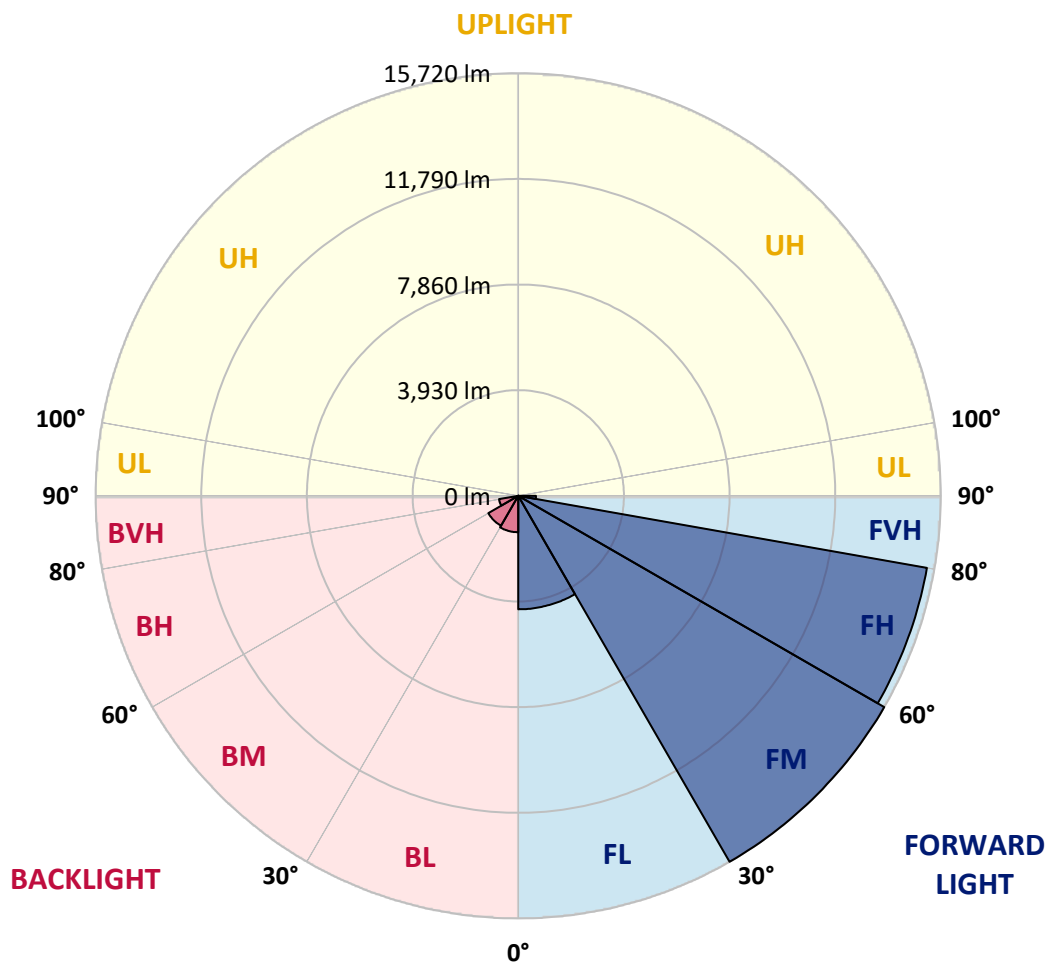
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4221.2	10.7			
FM	(30°-60°)	15719.7	39.9			
FH	(60°-80°)	15435.7	39.2			G5
FVH	(80°-90°)	657.1	1.7			G4/750
BL	(0°-30°)	1354.9	3.4	B3/2500		
BM	(30°-60°)	1286.5	3.3	B2/2500		
BH	(60°-80°)	725.2	1.8	B2/1000		G2/1000
BVH	(80°-90°)	5.7	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°	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3
2.5°	12605.5	12574.3	12562.9	12543.2	12467.8	12394.1	12248.3	12207.3	12115.5	11897.6	11666.6
5°	12615.3	12613.7	12648.1	12639.9	12613.7	12579.2	12474.4	12420.3	12264.6	11953.3	11530.6
7.5°	12007.4	12038.5	12115.5	12177.8	12249.9	12343.3	12356.4	12304.0	12176.2	11840.3	11279.9
10°	11191.4	11240.5	11348.7	11471.6	11660.0	11846.8	12013.9	12007.4	11963.1	11632.2	10978.4
12.5°	10373.7	10431.1	10555.6	10737.5	11004.6	11309.4	11607.6	11648.5	11722.3	11445.4	10699.8
15°	9657.7	9706.8	9829.7	10052.6	10383.6	10793.2	11230.7	11306.1	11496.2	11299.5	10467.1
17.5°	9049.8	9080.9	9171.0	9418.5	9801.9	10298.4	10866.9	11014.4	11297.9	11184.8	10265.6
20°	8625.4	8630.3	8689.3	8863.0	9246.4	9801.9	10490.1	10701.4	11088.2	11086.5	10057.5
22.5°	8415.7	8399.3	8410.7	8510.7	8792.5	9328.3	10113.2	10363.9	10899.7	11002.9	9846.1
25°	8376.3	8363.2	8330.5	8343.6	8514.0	8913.8	9733.1	10023.1	10734.2	10952.1	9662.6
27.5°	8499.2	8512.3	8456.6	8397.6	8410.7	8645.1	9395.5	9731.4	10599.9	10952.1	9533.2
30°	8746.6	8753.2	8712.2	8635.2	8532.0	8569.7	9161.2	9497.1	10532.7	11027.5	9451.2
32.5°	9020.3	9056.3	9051.4	8989.2	8841.7	8689.3	9105.5	9411.9	10527.8	11194.7	9443.0
35°	9359.5	9400.4	9469.3	9456.1	9302.1	9051.4	9295.6	9536.4	10624.4	11469.9	9531.5
37.5°	9720.0	9782.2	9929.7	10000.1	9900.2	9616.7	9721.6	9893.6	10883.3	11915.6	9756.0
40°	10069.0	10139.4	10408.1	10685.1	10609.7	10318.0	10367.2	10504.8	11343.8	12556.3	10182.0
42.5°	10411.4	10516.3	10911.2	11366.7	11456.8	11224.2	11250.4	11360.2	12027.0	13437.8	10878.4
45°	10821.1	10939.0	11524.0	12086.0	12326.9	12225.3	12336.7	12408.8	12920.1	14602.9	11817.3
47.5°	11422.4	11558.4	12276.1	12916.8	13339.5	13405.1	13629.6	13677.1	14049.0	15959.6	13041.3
50°	12595.6	12633.3	13282.2	13863.9	14473.4	14866.7	15122.3	15158.3	15415.6	17442.5	14570.1
52.5°	14072.0	14096.6	14463.6	14853.6	15546.7	16349.6	16947.6	16998.4	17052.5	18887.7	16079.2
55°	15538.5	15535.2	15777.7	16007.1	16800.2	17966.8	19264.6	19295.7	18907.4	20259.2	17232.8
57.5°	16454.4	16542.9	16911.6	17206.5	18314.2	19810.2	21611.0	21725.7	20855.6	21275.1	18373.2
60°	16162.8	16205.4	17023.0	18114.3	20200.2	22430.3	23985.3	24014.8	22320.5	22289.4	19815.1
62.5°	13770.5	13793.4	15078.0	17327.8	21155.5	25828.7	26849.5	26369.4	24004.9	23696.9	21540.5
65°	9438.1	9587.2	10660.5	13441.1	19400.6	27960.4	31283.4	30488.7	26572.6	25725.4	23100.4
67.5°	5558.0	5526.9	6057.8	8106.0	14248.9	26544.7	36892.2	36102.4	30074.2	27083.8	22643.3
70°	3796.5	3775.2	3978.4	4907.5	8043.7	20591.8	38657.0	40251.3	33166.1	26169.5	19487.4
72.5°	2710.2	2721.7	3021.5	3812.9	5050.0	11997.6	33243.1	37016.8	32197.7	22813.7	14812.6
75°	1840.1	1871.2	2300.5	3128.0	4427.4	6103.6	23590.4	28139.0	26218.6	16580.6	8514.0
77.5°	989.7	1024.1	1530.4	2520.1	4003.0	4240.6	15174.7	19366.2	16469.2	7453.8	2467.7
80°	412.9	432.6	716.1	1831.9	3459.0	3724.5	8928.5	11743.6	7018.0	1469.8	550.6
82.5°	178.6	188.4	298.2	1092.9	2585.7	3144.4	4727.3	5649.8	2126.9	322.8	276.9
85°	34.4	36.0	122.9	578.4	1650.0	1774.6	3064.1	3003.5	955.3	139.3	201.5
87.5°	0.0	0.0	29.5	181.9	485.0	966.8	1869.6	1846.7	324.4	67.2	75.4
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°	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3	11640.3
2.5°	11548.6	11435.5	11197.9	10904.6	10680.1	10432.7	10236.1	9987.0	9878.9	9883.8	9824.8
5°	11289.7	11057.0	10531.0	9867.4	9356.2	8828.6	8374.7	7922.4	7655.4	7568.5	7486.6
7.5°	10919.4	10550.7	9711.8	8689.3	7824.1	6978.6	6242.9	5595.7	5186.0	4986.1	4912.4
10°	10501.5	9983.8	8769.6	7422.7	6187.2	5043.5	4089.9	3260.7	2929.7	2705.3	2647.9
12.5°	10134.5	9433.2	7848.7	6123.3	4656.8	3277.1	2367.7	1851.6	1627.1	1538.6	1523.9
15°	9788.8	8918.7	6962.3	4946.8	3224.7	2017.1	1505.8	1330.5	1278.1	1263.3	1263.3
17.5°	9462.7	8428.8	6095.5	3788.4	2133.4	1414.1	1246.9	1207.6	1191.2	1189.6	1191.2
20°	9121.9	7938.8	5243.4	2775.7	1489.5	1197.8	1151.9	1130.6	1125.7	1125.7	1125.7
22.5°	8795.8	7448.9	4414.3	1982.7	1194.5	1092.9	1070.0	1055.2	1050.3	1048.7	1045.4
25°	8482.8	6983.6	3604.8	1401.0	1048.7	1001.2	981.5	961.8	947.1	938.9	934.0
27.5°	8225.6	6569.0	2851.1	1124.1	947.1	906.1	881.5	852.1	816.0	799.6	793.1
30°	8020.8	6190.5	2197.3	948.7	852.1	811.1	773.4	722.6	670.2	642.3	640.7
32.5°	7860.2	5818.5	1668.1	838.9	766.8	716.1	662.0	598.1	537.4	506.3	504.7
35°	7781.5	5490.8	1274.8	758.7	691.5	627.6	560.4	489.9	430.9	401.4	398.2
37.5°	7834.0	5213.9	994.6	691.5	627.6	553.8	475.2	401.4	349.0	322.8	321.2
40°	8025.7	5036.9	807.8	634.1	573.5	483.4	398.2	329.4	285.1	263.8	262.2
42.5°	8433.7	4971.4	689.8	586.6	521.1	417.8	331.0	272.0	231.0	216.3	213.0
45°	9115.3	5068.1	609.5	540.7	467.0	355.6	273.6	222.8	186.8	175.3	173.7
47.5°	10023.1	5322.1	552.2	496.5	417.8	299.9	227.8	180.2	152.4	140.9	139.3
50°	11193.0	5725.1	504.7	452.2	372.0	254.0	188.4	142.6	118.0	109.8	109.8
52.5°	12466.2	6205.2	462.1	411.3	326.1	211.4	152.4	109.8	93.4	83.6	83.6
55°	13518.1	6624.7	416.2	380.1	270.4	175.3	116.3	83.6	68.8	63.9	63.9
57.5°	14568.5	7072.0	363.8	326.1	216.3	142.6	88.5	62.3	50.8	47.5	47.5
60°	15930.1	7619.3	313.0	265.4	170.4	108.1	65.5	44.2	37.7	36.0	36.0
62.5°	17427.7	7940.5	267.1	213.0	132.7	80.3	47.5	29.5	27.9	27.9	26.2
65°	18343.7	7486.6	224.5	170.4	103.2	60.6	31.1	21.3	24.6	22.9	19.7
67.5°	17175.4	5861.1	183.5	132.7	80.3	45.9	19.7	14.7	26.2	21.3	16.4
70°	14221.1	4103.0	142.6	93.4	63.9	39.3	13.1	9.8	27.9	21.3	13.1
72.5°	10642.5	2746.2	113.1	62.3	47.5	34.4	11.5	4.9	24.6	18.0	11.5
75°	5815.3	1106.0	90.1	39.3	29.5	24.6	8.2	3.3	16.4	13.1	8.2
77.5°	1530.4	291.7	65.5	26.2	16.4	9.8	4.9	1.6	8.2	6.6	3.3
80°	390.0	113.1	42.6	18.0	11.5	4.9	0.0	0.0	1.6	0.0	0.0
82.5°	208.1	47.5	26.2	13.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	157.3	31.1	14.7	8.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	60.6	9.8	4.9	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)