

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: P323281

Luminaire Tested: **GAN-SA7B-760-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7B-760-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33479 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

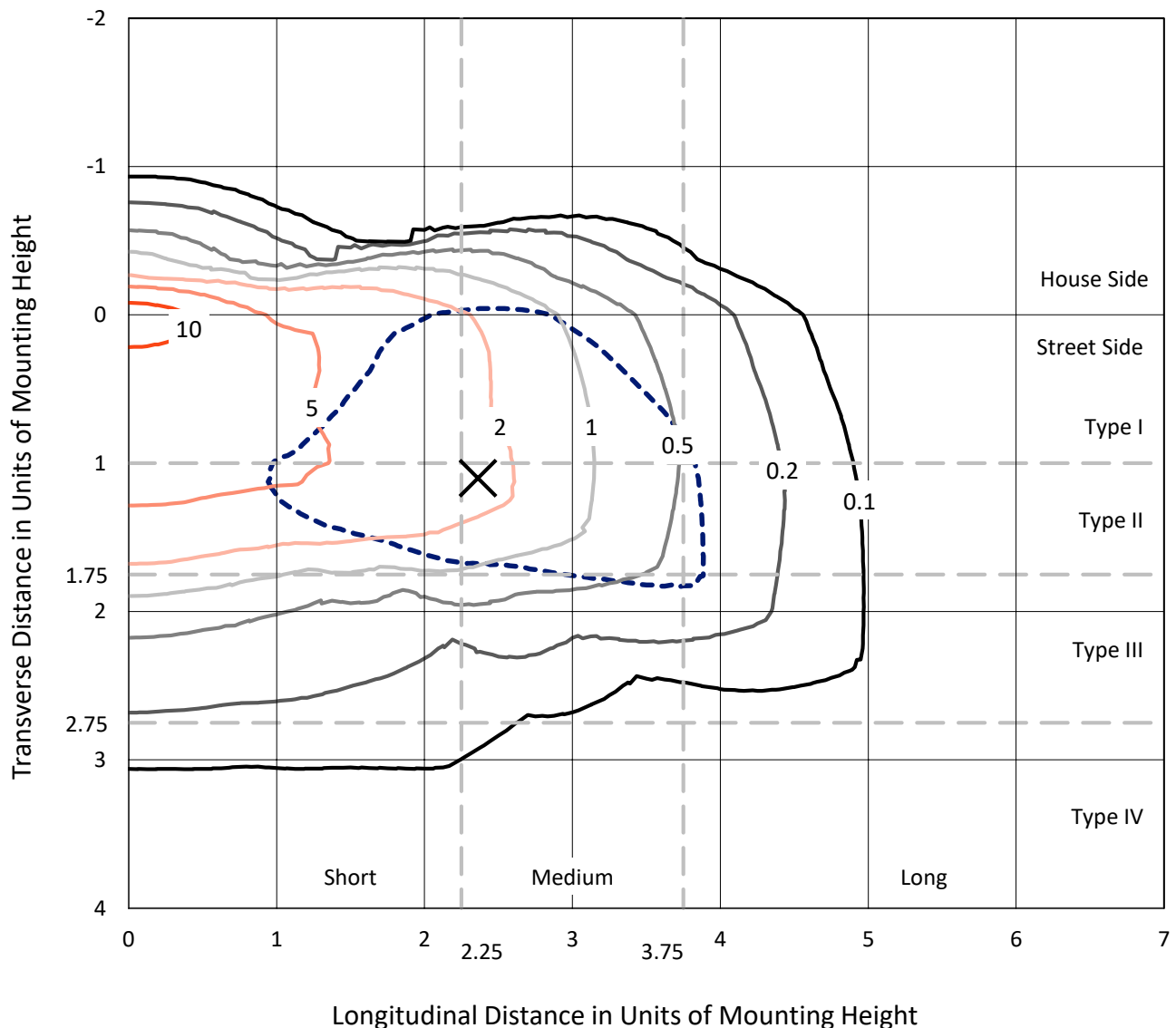
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

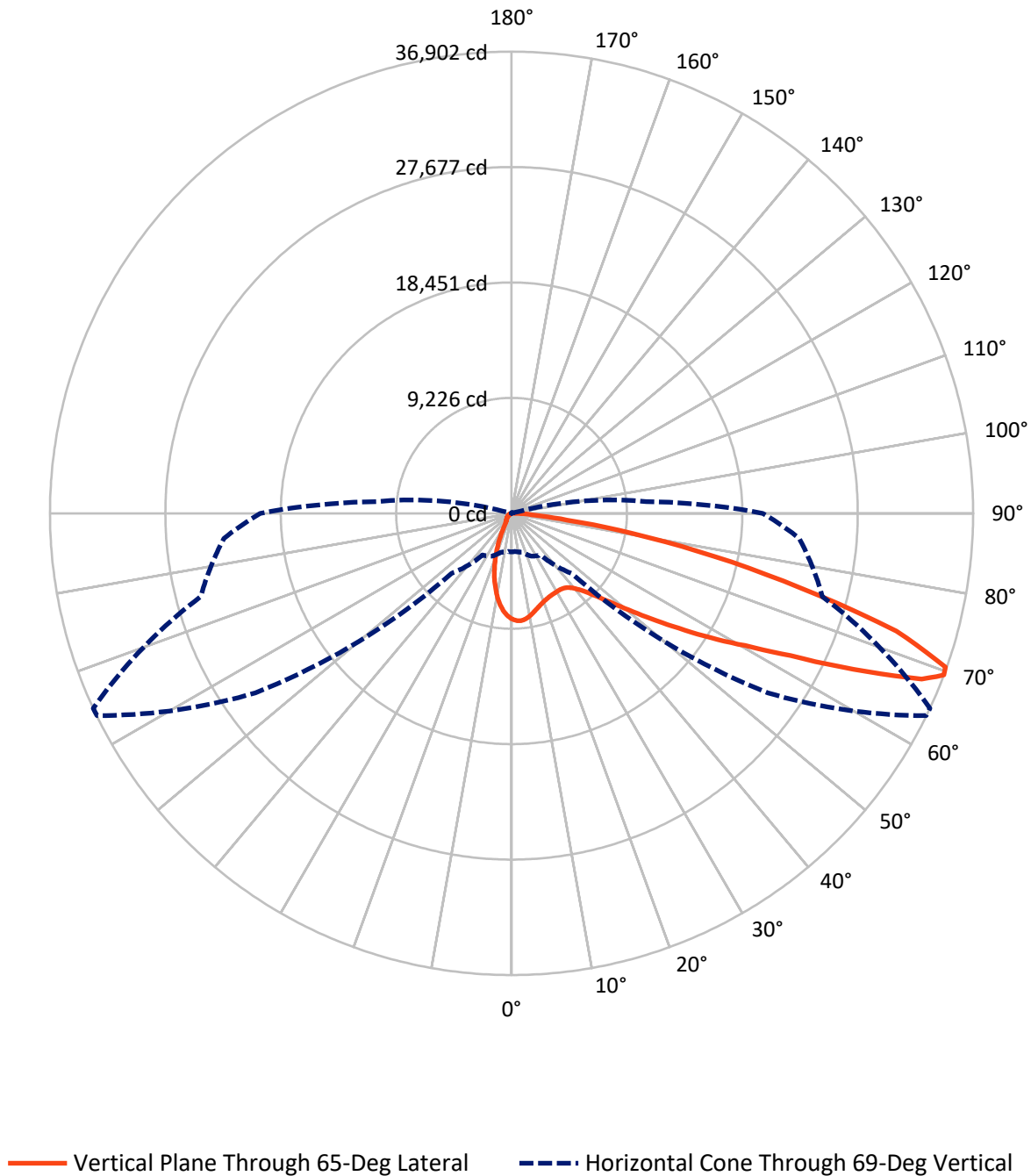
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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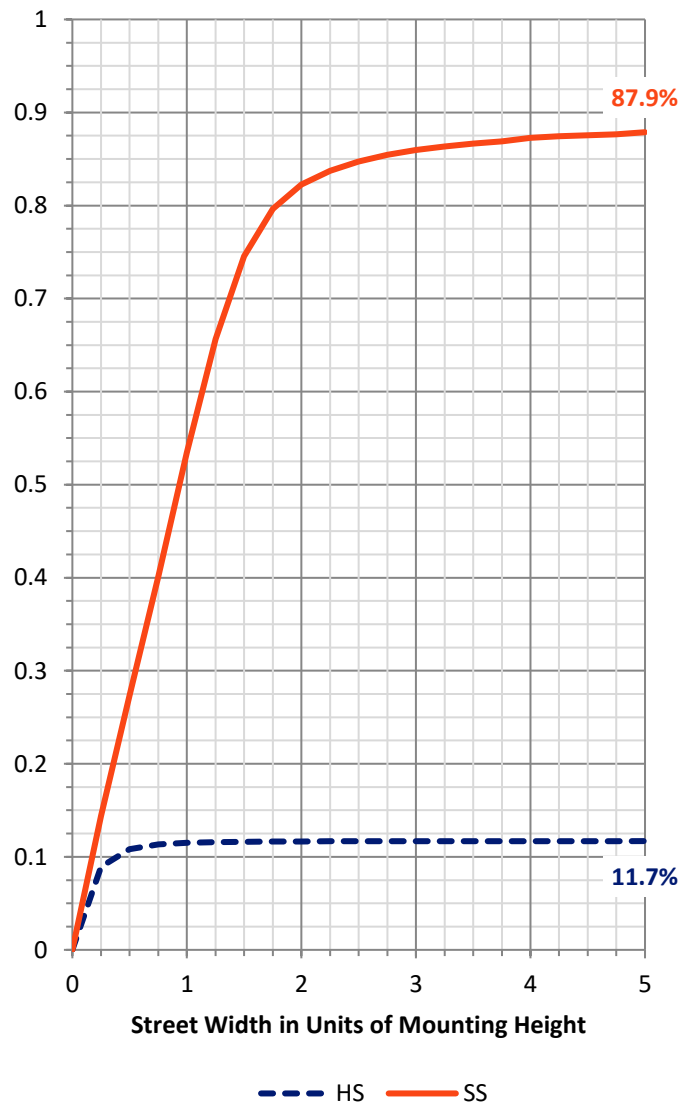
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3946.4	0.0	3946.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	29532.6	0.0	29532.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	33479.0	0.0	33479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.4	2.1
10°-20°	1548.6	4.6
20°-30°	2144.9	6.4
30°-40°	2990.7	8.9
40°-50°	4648.5	13.9
50°-60°	7462.7	22.3
60°-70°	8441.5	25.2
70°-80°	4957.8	14.8
80°-90°	576.7	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°	33479.0	100.0
0°-180°	33479.0	100.0

Coefficient of Utilization



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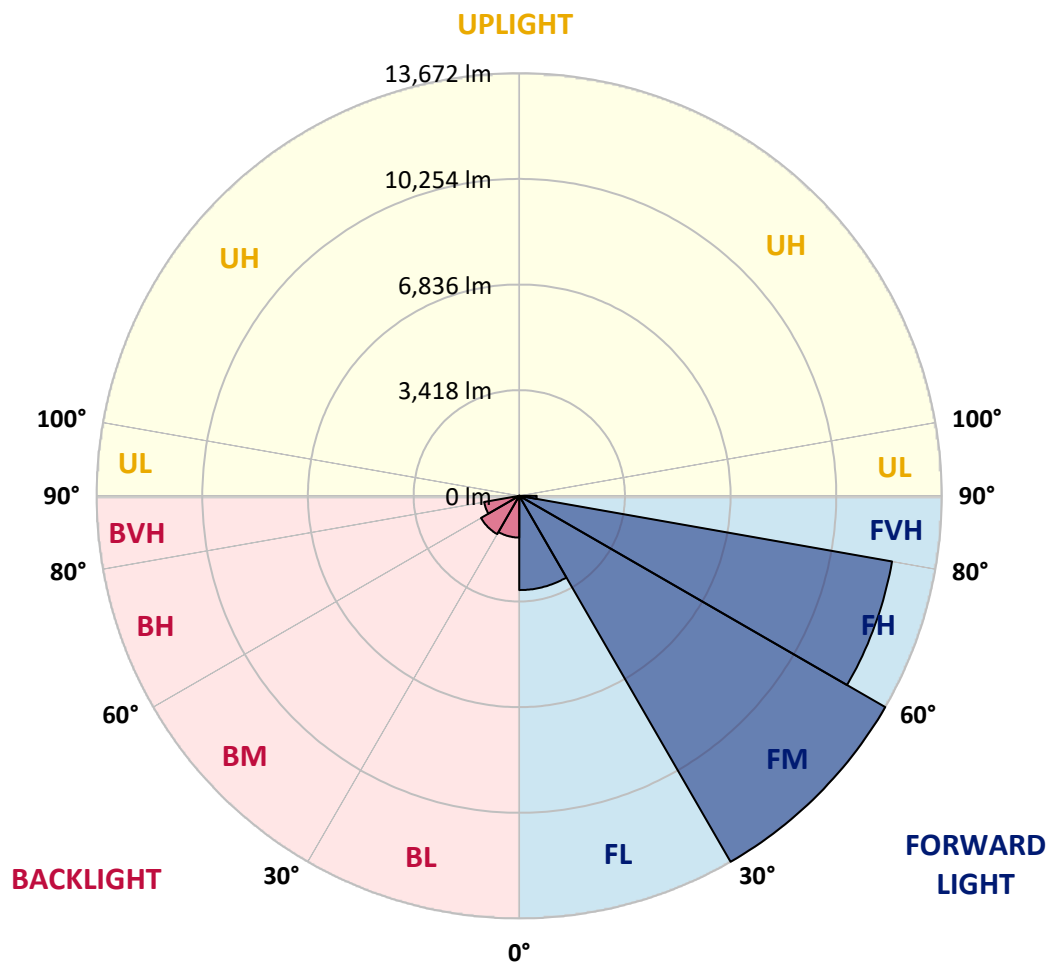
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3050.7	9.1			
FM	(30°-60°)	13671.9	40.8			
FH	(60°-80°)	12246.3	36.6			G5
FVH	(80°-90°)	563.8	1.7			G4/750
BL	(0°-30°)	1350.3	4.0	B3/2500		
BM	(30°-60°)	1430.1	4.3	B2/2500		
BH	(60°-80°)	1153.0	3.4	B3/2500		G3/2500
BVH	(80°-90°)	13.0	0.0			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°	64°	65°	75°	85°
0°	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2
2.5°	8535.3	8514.0	8531.0	8567.9	8586.3	8586.3	8600.4	8583.5	8589.1	8548.0	8488.5
5°	8001.2	7968.6	8015.4	8118.8	8246.3	8355.4	8516.9	8601.9	8610.4	8611.8	8542.4
7.5°	7426.1	7396.3	7465.7	7587.5	7751.9	7954.5	8236.4	8482.9	8497.0	8630.2	8579.2
10°	6958.6	6937.3	7018.1	7148.4	7341.1	7567.7	7913.4	8256.2	8297.3	8591.9	8573.5
12.5°	6587.4	6570.4	6646.9	6797.1	6994.0	7244.7	7606.0	8004.0	8059.3	8505.5	8545.2
15°	6316.8	6314.0	6377.7	6522.2	6740.4	6974.1	7343.9	7770.3	7834.0	8412.0	8541.0
17.5°	6175.2	6179.4	6226.2	6349.4	6536.4	6768.7	7122.9	7573.4	7642.8	8328.5	8562.2
20°	6161.0	6165.2	6190.7	6260.2	6411.7	6617.1	6943.0	7407.6	7479.9	8266.1	8596.2
22.5°	6285.7	6282.8	6289.9	6282.8	6367.8	6523.6	6824.0	7280.1	7363.7	8225.0	8623.1
25°	6525.1	6520.8	6518.0	6465.6	6408.9	6492.5	6774.4	7207.9	7287.2	8195.3	8638.7
27.5°	6858.0	6855.1	6850.9	6764.5	6594.5	6542.1	6780.1	7181.0	7247.6	8171.2	8635.9
30°	7295.7	7315.6	7309.9	7189.5	6924.6	6693.6	6839.6	7166.8	7224.9	8124.5	8606.1
32.5°	7810.0	7849.6	7880.8	7751.9	7420.4	6994.0	6977.0	7182.4	7224.9	8089.0	8552.3
35°	8344.0	8395.0	8509.8	8464.5	8028.1	7445.9	7213.6	7275.9	7311.3	8108.9	8526.8
37.5°	8869.6	8930.5	9179.9	9311.6	8824.3	8043.7	7581.9	7506.8	7525.2	8229.3	8555.1
40°	9480.2	9572.3	9950.5	10163.0	9774.8	8844.1	8133.0	7903.5	7910.5	8494.2	8686.9
42.5°	10282.0	10376.9	10786.3	11119.2	10845.8	9855.6	8880.9	8509.8	8502.7	8990.0	8997.1
45°	11259.5	11358.7	11782.2	12152.0	12028.7	11054.1	9838.6	9395.2	9386.7	9772.0	9585.0
47.5°	12367.3	12465.1	12843.3	13224.4	13357.5	12453.7	11058.3	10603.6	10583.8	10858.6	10493.1
50°	13317.9	13381.6	13730.1	14242.9	14843.6	14173.5	12575.6	12137.8	12116.6	12302.1	11826.1
52.5°	13663.5	13700.4	14054.5	14772.8	16271.6	16502.5	14568.8	14004.9	13989.4	14070.1	13601.2
55°	12963.7	13030.3	13465.2	14530.5	17045.1	19134.6	17084.7	16316.9	16199.3	16025.1	15457.0
57.5°	11056.9	11163.2	11630.7	13047.3	16683.8	21222.8	20782.2	18932.0	18759.2	17693.9	16965.7
60°	8284.5	8414.9	8803.0	10331.6	14755.8	21966.5	24822.4	21846.1	21456.5	19022.7	18352.6
62.5°	5685.0	5750.2	6013.7	7009.6	10867.1	20748.2	28202.6	25748.9	25037.8	20467.7	19852.9
65°	4342.0	4364.7	4472.3	4815.2	6471.2	16853.8	29547.0	30898.4	30038.5	22196.0	21409.8
67.5°	3499.1	3480.7	3629.4	4119.6	4333.5	10282.0	27978.7	35770.3	35368.0	24506.5	22976.6
69°	3085.5	3060.0	3211.5	3781.0	4070.0	6797.1	25012.3	36876.7	36902.2	25726.3	23084.2
70°	2776.6	2793.6	2943.8	3579.9	3980.8	5335.1	22179.0	36594.8	36795.9	26182.4	22438.2
72.5°	1854.4	1899.7	2201.5	2972.1	3827.8	4037.4	13391.5	31402.8	32176.3	25155.4	19250.8
75°	1045.5	1079.5	1437.9	2241.1	3606.8	3844.8	7073.3	23135.2	23883.2	21035.8	14845.0
77.5°	512.8	531.2	813.2	1446.4	3016.0	3663.4	4011.9	15714.8	16569.1	13730.1	8396.5
80°	216.7	226.7	406.6	892.5	2156.1	3496.3	2979.2	9671.4	9777.7	5379.0	2236.9
82.5°	83.6	86.4	171.4	556.7	1369.9	2725.6	2491.9	4585.7	4475.2	1012.9	510.0
85°	9.9	11.3	62.3	334.3	762.2	1402.5	2024.4	1976.2	1828.9	201.2	262.1
87.5°	0.0	0.0	4.2	102.0	226.7	657.3	1052.6	820.2	739.5	65.2	136.0
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°	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2	8460.2
2.5°	8439.0	8424.8	8348.3	8237.8	8133.0	8002.6	7878.0	7802.9	7743.4	7703.7	7750.5
5°	8461.6	8399.3	8167.0	7869.5	7577.6	7249.0	6943.0	6683.7	6581.7	6468.4	6519.4
7.5°	8454.5	8337.0	7919.0	7389.2	6853.7	6299.8	5775.7	5371.9	5162.3	4956.8	5009.3
10°	8419.1	8220.8	7587.5	6802.7	6000.9	5204.8	4461.0	3895.8	3579.9	3293.7	3334.8
12.5°	8341.2	8065.0	7196.6	6131.2	5058.8	4009.1	3137.9	2414.0	2025.8	1854.4	1875.6
15°	8294.5	7913.4	6782.9	5451.2	4053.0	2792.2	1918.1	1426.6	1249.5	1192.8	1199.9
17.5°	8271.8	7767.5	6355.1	4673.5	3024.5	1777.9	1239.6	1093.6	1055.4	1045.5	1048.3
20°	8249.1	7620.1	5914.5	3904.3	2083.9	1195.6	1018.6	976.1	961.9	949.2	952.0
22.5°	8210.9	7478.5	5441.3	3125.1	1405.3	970.4	918.0	876.9	847.2	831.6	834.4
25°	8164.1	7329.7	4958.3	2327.5	1025.7	865.6	816.0	757.9	722.5	694.2	695.6
27.5°	8089.0	7147.0	4459.6	1694.3	861.3	774.9	708.3	644.6	585.1	552.5	552.5
30°	7984.2	6940.1	3905.7	1212.6	772.1	685.7	604.9	525.6	461.8	432.1	429.2
32.5°	7868.0	6724.8	3346.1	919.4	701.2	602.1	510.0	426.4	369.7	345.7	344.2
35°	7768.9	6492.5	2788.0	770.7	630.4	521.3	420.7	349.9	304.6	284.7	283.3
37.5°	7705.1	6260.2	2244.0	688.5	566.7	446.2	352.7	289.0	256.4	240.8	239.4
40°	7695.2	6087.3	1746.7	626.2	507.2	379.7	294.7	245.1	215.3	198.3	196.9
42.5°	7824.1	5988.2	1340.1	573.7	446.2	321.6	250.7	209.7	178.5	161.5	160.1
45°	8162.7	6019.3	1031.3	527.0	385.3	272.0	212.5	174.2	145.9	133.2	130.3
47.5°	8780.4	6234.7	820.2	480.2	327.2	230.9	181.3	144.5	120.4	107.7	106.2
50°	9879.7	6740.4	685.7	429.2	273.4	196.9	150.2	117.6	97.7	86.4	85.0
52.5°	11338.8	7641.4	612.0	379.7	226.7	167.2	123.2	93.5	76.5	68.0	66.6
55°	12948.1	8732.2	563.8	325.8	185.6	138.8	97.7	73.7	59.5	52.4	49.6
57.5°	14519.2	9677.1	518.5	273.4	154.4	113.3	77.9	58.1	46.7	39.7	38.2
60°	15962.8	10545.5	466.1	219.6	126.1	89.2	60.9	45.3	36.8	29.7	29.7
62.5°	17508.3	11217.0	393.8	171.4	103.4	68.0	49.6	41.1	29.7	25.5	24.1
65°	19146.0	11715.7	308.8	133.2	80.7	51.0	41.1	42.5	24.1	18.4	17.0
67.5°	20355.8	11616.5	228.1	104.8	62.3	39.7	39.7	45.3	21.2	14.2	12.7
69°	20089.4	10810.4	191.2	90.7	53.8	34.0	36.8	45.3	19.8	12.7	11.3
70°	19317.4	9917.9	168.6	80.7	48.2	31.2	35.4	43.9	18.4	12.7	11.3
72.5°	16087.4	7470.0	131.7	60.9	38.2	25.5	29.7	38.2	18.4	12.7	9.9
75°	12101.0	4781.2	100.6	43.9	28.3	19.8	22.7	28.3	18.4	11.3	9.9
77.5°	6584.6	1724.1	72.2	29.7	19.8	15.6	15.6	21.2	17.0	8.5	5.7
80°	1692.9	433.5	45.3	19.8	15.6	11.3	9.9	14.2	9.9	1.4	0.0
82.5°	417.9	97.7	24.1	14.2	11.3	4.2	4.2	7.1	4.2	0.0	0.0
85°	229.5	48.2	15.6	9.9	5.7	0.0	0.0	1.4	0.0	0.0	0.0
87.5°	117.6	14.2	4.2	2.8	1.4	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)