

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: P318570

Luminaire Tested: **GAN-SA6C-830-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-830-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33624 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

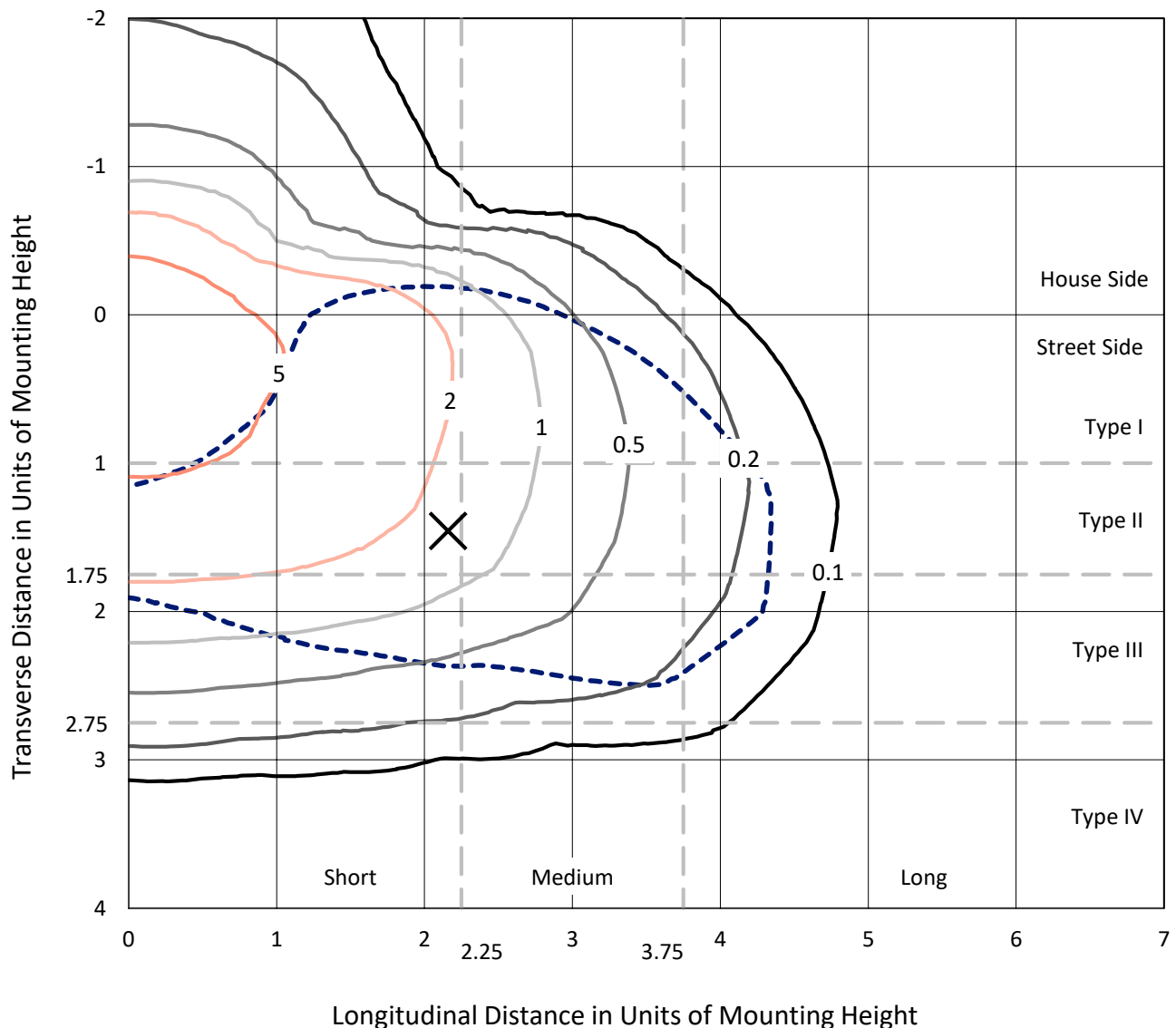
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

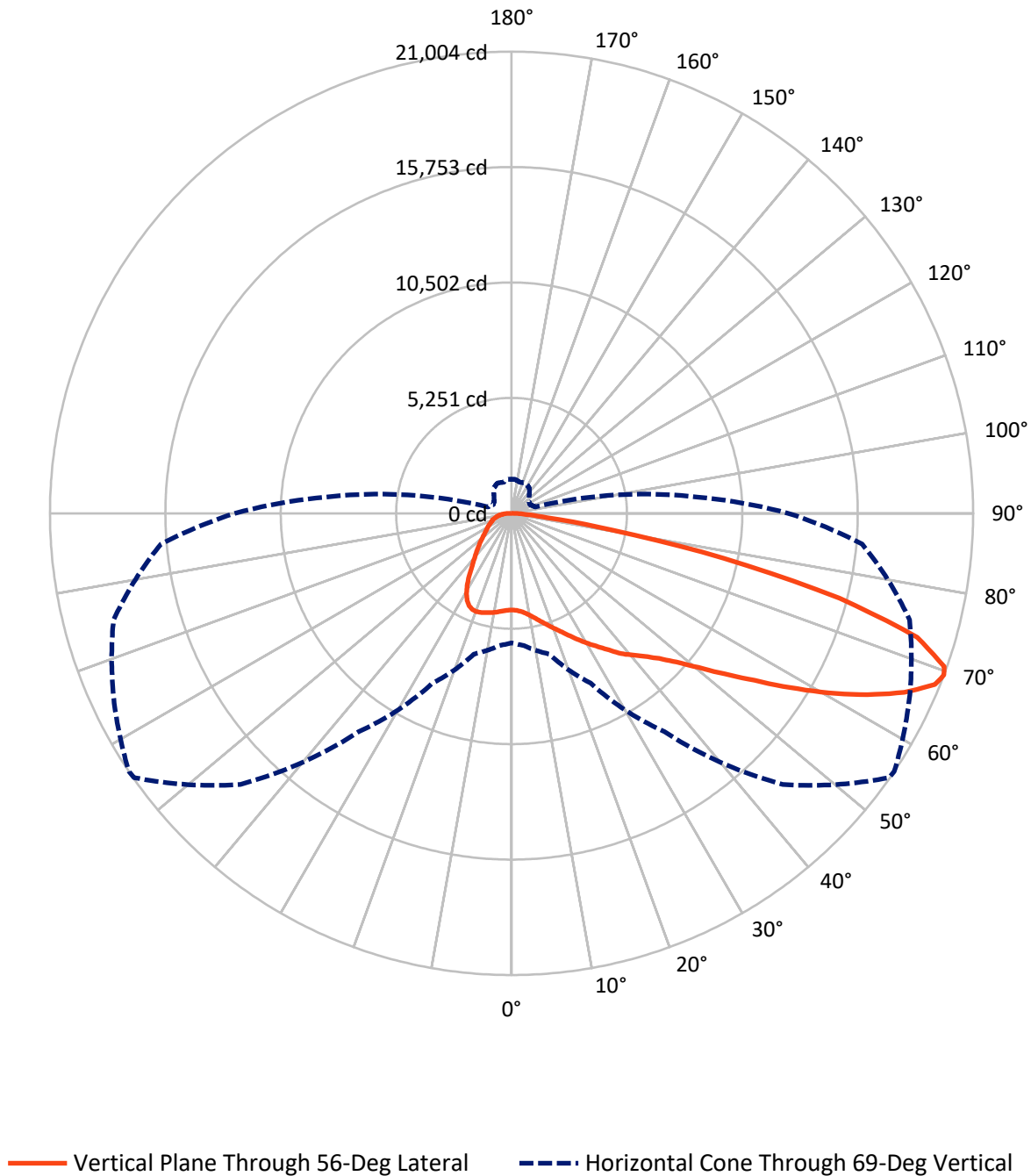
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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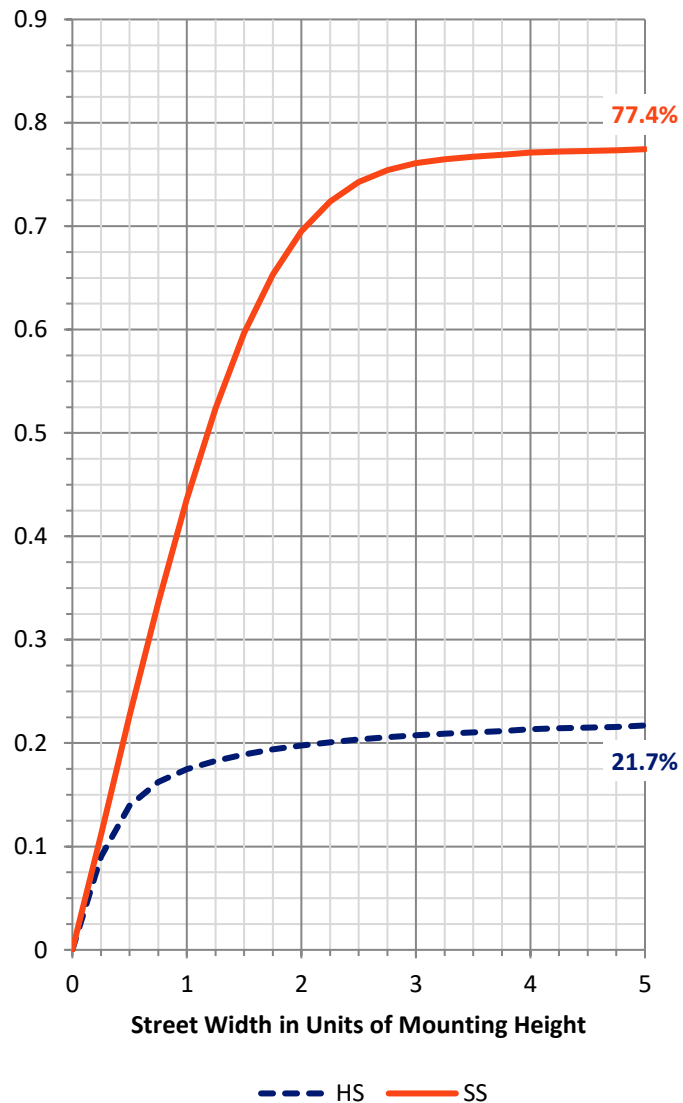
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7488.0	0.0	7488.0
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	26136.0	0.0	26136.0
	% Fixture	77.7	0.0	77.7
Total	Lumens	33624.0	0.0	33624.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.7	1.3
10°-20°	1388.3	4.1
20°-30°	2423.4	7.2
30°-40°	3481.2	10.4
40°-50°	4817.8	14.3
50°-60°	7058.7	21.0
60°-70°	8605.9	25.6
70°-80°	4757.9	14.2
80°-90°	659.0	2.0
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°	33624.0	100.0
0°-180°	33624.0	100.0

Coefficient of Utilization



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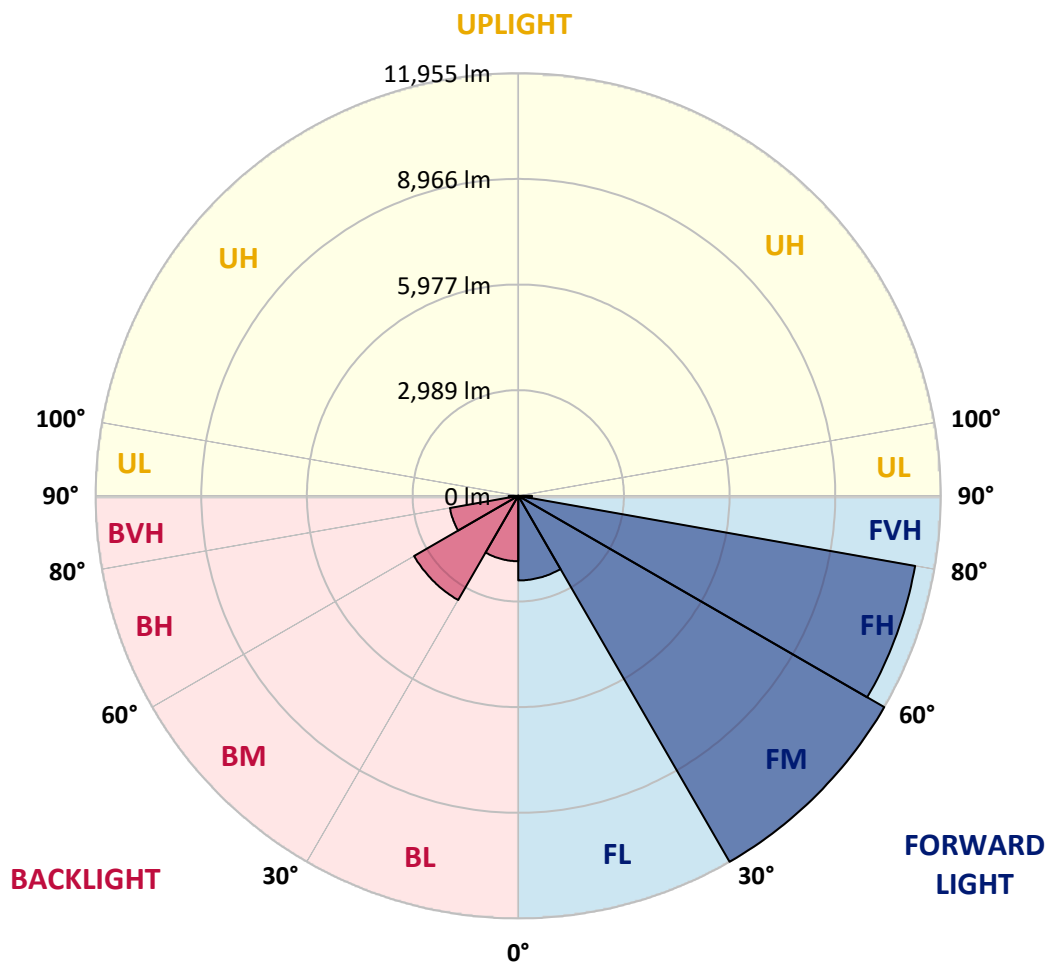
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2393.0	7.1			
FM	(30°-60°)	11954.6	35.6			
FH	(60°-80°)	11400.2	33.9			G4/12000
FVH	(80°-90°)	388.2	1.2			G3/500
BL	(0°-30°)	1850.5	5.5	B3/2500		
BM	(30°-60°)	3403.1	10.1	B3/5000		
BH	(60°-80°)	1963.6	5.8	B3/2500		G3/2500
BVH	(80°-90°)	270.8	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8
2.5°	4423.6	4428.3	4424.8	4434.1	4423.6	4430.6	4424.8	4424.8	4421.3	4410.9	4399.3
5°	4493.1	4502.4	4496.6	4505.9	4493.1	4495.4	4485.0	4485.0	4474.6	4452.6	4429.4
7.5°	4602.0	4612.4	4607.8	4617.1	4599.7	4599.7	4585.8	4584.6	4563.8	4527.9	4501.2
10°	4731.7	4745.6	4741.0	4754.9	4741.0	4745.6	4731.7	4731.7	4703.9	4653.0	4619.4
12.5°	4920.6	4937.9	4925.2	4924.0	4918.2	4927.5	4915.9	4913.6	4888.1	4818.6	4772.3
15°	5173.1	5191.6	5165.0	5162.6	5130.2	5126.7	5126.7	5123.3	5107.0	5023.6	4947.2
17.5°	5463.8	5469.6	5446.4	5409.4	5367.7	5341.0	5337.5	5346.8	5346.8	5249.5	5127.9
20°	5748.8	5759.2	5740.6	5698.9	5645.7	5606.3	5578.5	5597.0	5595.9	5480.0	5307.4
22.5°	6059.2	6083.5	6055.7	6002.4	5939.9	5895.9	5847.2	5863.4	5864.6	5722.1	5483.5
25°	6461.1	6439.1	6421.7	6346.4	6257.3	6212.1	6166.9	6183.1	6178.5	5982.7	5665.4
27.5°	6816.7	6821.4	6798.2	6718.3	6615.2	6515.6	6513.2	6523.7	6506.3	6253.8	5836.8
30°	7230.2	7232.6	7200.1	7128.3	7016.0	6887.4	6857.3	6874.6	6837.6	6510.9	6017.5
32.5°	7641.5	7653.0	7617.1	7530.3	7439.9	7283.5	7223.3	7234.9	7142.2	6773.9	6204.0
35°	8001.7	8017.9	8006.3	7948.4	7849.9	7715.6	7643.8	7636.8	7522.1	7095.9	6450.7
37.5°	8368.9	8383.9	8371.2	8322.5	8283.2	8140.7	8102.5	8102.5	7903.2	7424.8	6764.6
40°	8746.5	8769.7	8754.6	8687.4	8653.8	8589.0	8497.4	8475.4	8260.0	7819.8	7276.6
42.5°	9097.5	9127.6	9187.8	9148.4	9080.1	9089.4	8905.2	8893.6	8736.1	8403.6	7919.4
45°	9595.5	9639.6	9741.5	9711.4	9697.5	9646.5	9427.6	9417.2	9356.9	9189.0	8717.5
47.5°	10138.8	10199.0	10383.2	10389.0	10538.4	10442.3	10144.6	10108.7	10122.6	10129.5	9691.7
50°	10639.2	10705.2	11007.5	11150.0	11502.1	11523.0	11046.9	11014.5	11068.9	11228.8	10826.8
52.5°	11038.8	11122.2	11499.8	11940.0	12543.5	12714.9	12157.7	12133.4	12174.0	12449.6	12110.3
55°	11331.9	11422.2	11833.4	12635.0	13598.7	13901.0	13436.5	13413.4	13438.9	13789.8	13506.0
57.5°	11400.2	11422.2	12018.7	13102.9	14489.4	15215.7	15001.4	14955.1	14830.0	15135.8	15046.6
60°	11079.3	11167.4	11865.9	13267.4	15178.7	16511.9	16637.0	16579.1	16228.1	16478.3	16406.5
62.5°	10428.4	10585.9	11294.8	13017.2	15448.5	17570.6	18241.3	18171.8	17567.1	17729.3	17384.1
65°	9365.0	9432.2	10177.0	12154.3	15105.7	18248.2	19671.8	19637.0	18876.0	18622.3	17564.8
67.5°	7463.1	7589.3	8221.8	10350.8	13702.9	18168.3	20778.0	20774.5	19730.9	18953.6	16924.2
69°	5895.9	6026.7	6629.1	8526.4	12125.3	17437.4	20963.3	21003.9	19971.8	18752.1	16009.2
70°	4700.5	4852.2	5265.7	7181.6	10724.9	16473.7	20809.3	20882.2	19925.5	18419.6	15164.8
72.5°	2000.4	2123.2	2417.4	3702.0	6536.4	12301.4	19026.6	19302.3	18851.7	16858.2	12533.0
75°	873.4	911.6	1044.8	1509.3	2901.6	6695.1	14905.3	15414.9	16119.2	14249.7	9336.1
77.5°	639.4	655.6	728.6	886.1	1302.0	2528.6	9585.1	9881.6	11624.9	10369.3	5726.7
80°	494.6	506.2	562.9	651.0	850.2	1022.8	4371.5	4626.3	6536.4	5326.0	2385.0
82.5°	393.8	401.9	441.3	479.5	587.3	619.7	1451.4	1610.1	2412.8	1471.1	631.3
85°	366.0	375.3	389.2	349.8	376.5	363.7	627.8	656.8	728.6	578.0	264.1
87.5°	165.6	195.8	385.7	272.2	200.4	159.8	257.1	268.7	302.3	303.5	117.0
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°	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8	4395.8
2.5°	4406.3	4402.8	4408.6	4394.7	4412.0	4410.9	4405.1	4407.4	4419.0	4417.8	4419.0
5°	4432.9	4430.6	4437.5	4427.1	4448.0	4454.9	4456.1	4466.5	4479.2	4482.7	4482.7
7.5°	4500.1	4500.1	4503.6	4489.7	4503.6	4502.4	4496.6	4507.0	4519.8	4520.9	4519.8
10°	4615.9	4617.1	4611.3	4575.4	4563.8	4532.5	4503.6	4504.7	4520.9	4533.7	4537.1
12.5°	4761.9	4757.2	4731.7	4665.7	4617.1	4553.4	4523.2	4522.1	4538.3	4548.7	4552.2
15°	4928.7	4915.9	4849.9	4742.2	4656.5	4593.9	4545.3	4533.7	4524.4	4512.8	4514.0
17.5°	5086.2	5057.2	4947.2	4797.8	4707.4	4624.0	4530.2	4454.9	4402.8	4372.7	4363.4
20°	5246.0	5189.3	5030.6	4849.9	4735.2	4583.5	4402.8	4249.9	4154.9	4110.9	4102.8
22.5°	5392.0	5300.5	5108.2	4904.3	4713.2	4446.8	4163.0	3940.6	3808.6	3749.5	3754.1
25°	5534.5	5407.0	5189.3	4942.6	4602.0	4205.9	3829.4	3556.0	3403.1	3337.1	3334.8
27.5°	5659.6	5514.8	5277.3	4911.3	4394.7	3863.0	3434.4	3168.0	3040.6	2983.8	2974.6
30°	5803.2	5650.3	5394.3	4792.0	4091.2	3466.9	3048.7	2861.1	2770.7	2713.9	2703.5
32.5°	5978.1	5834.5	5490.4	4575.4	3703.2	3053.3	2747.5	2616.6	2534.4	2470.7	2459.1
35°	6232.9	6077.7	5514.8	4264.9	3276.9	2726.7	2526.3	2391.9	2280.7	2198.5	2190.4
37.5°	6552.6	6382.4	5459.2	3863.0	2863.4	2514.7	2342.1	2176.5	2031.7	1915.9	1897.3
40°	7013.6	6756.5	5305.1	3399.7	2558.7	2351.4	2162.6	1973.8	1794.2	1658.7	1632.1
42.5°	7567.3	7195.5	5068.8	2938.7	2335.2	2185.8	1984.2	1750.2	1578.8	1482.7	1468.8
45°	8271.6	7651.9	4741.0	2535.6	2115.1	2020.1	1791.9	1576.5	1469.9	1399.3	1387.7
47.5°	9075.5	8163.9	4397.0	2207.8	1928.6	1864.9	1637.9	1498.9	1414.3	1358.7	1348.3
50°	10063.5	8741.9	4032.1	1939.0	1741.0	1678.4	1564.9	1456.0	1388.8	1346.0	1335.5
52.5°	11177.8	9394.0	3769.2	1727.1	1585.7	1540.6	1526.7	1432.8	1378.4	1346.0	1335.5
55°	12377.8	10057.7	3485.4	1548.7	1451.4	1464.1	1501.2	1435.2	1398.1	1358.7	1343.7
57.5°	13579.0	10743.4	3169.2	1398.1	1344.8	1407.4	1483.8	1439.8	1408.5	1370.3	1356.4
60°	14528.8	11177.8	2679.2	1271.8	1260.3	1344.8	1442.1	1405.0	1364.5	1365.7	1363.3
62.5°	14972.5	11154.6	2138.3	1159.5	1175.7	1260.3	1374.9	1350.6	1317.0	1362.2	1365.7
65°	14723.4	10598.6	1664.5	1057.5	1085.3	1172.2	1305.4	1324.0	1335.5	1422.4	1434.0
67.5°	13678.6	9516.8	1289.2	968.4	1003.1	1112.0	1312.4	1442.1	1457.2	1548.7	1547.5
69°	12597.9	8502.1	1120.1	922.0	962.6	1127.0	1402.7	1517.4	1460.6	1557.9	1544.0
70°	11692.1	7699.4	1029.7	890.7	944.0	1153.7	1463.0	1516.2	1443.3	1526.7	1503.5
72.5°	9004.8	5539.1	873.4	832.8	881.5	1103.9	1480.3	1482.7	1402.7	1418.9	1379.6
75°	6176.2	3500.4	762.2	754.1	786.5	995.0	1424.7	1416.6	1297.3	1274.2	1241.7
77.5°	3405.5	1778.0	647.5	678.8	700.8	881.5	1295.0	1283.4	1185.0	1136.3	1124.7
80°	1313.5	778.4	546.7	603.5	617.4	763.3	1135.2	1124.7	1042.5	979.9	962.6
82.5°	495.8	407.7	451.7	522.4	517.8	630.1	961.4	955.6	875.7	784.2	756.4
85°	229.3	244.4	357.9	430.9	397.3	466.8	769.1	779.6	682.3	573.4	573.4
87.5°	97.3	136.7	253.7	325.5	267.6	315.1	564.1	538.6	494.6	342.9	322.0
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)