

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: P531130

Luminaire Tested: **GLAN-SA6B-827-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-827-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21148 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

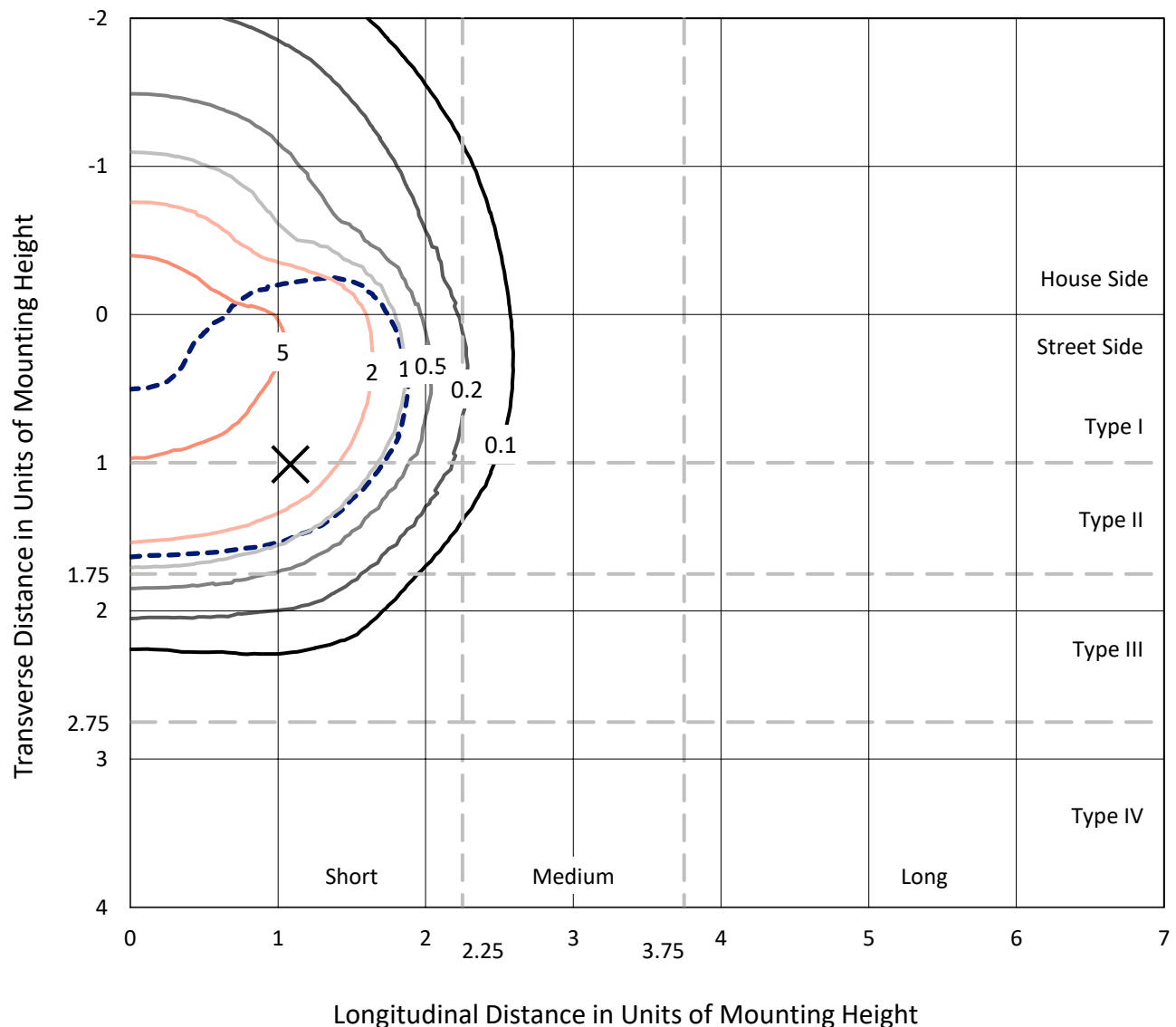
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

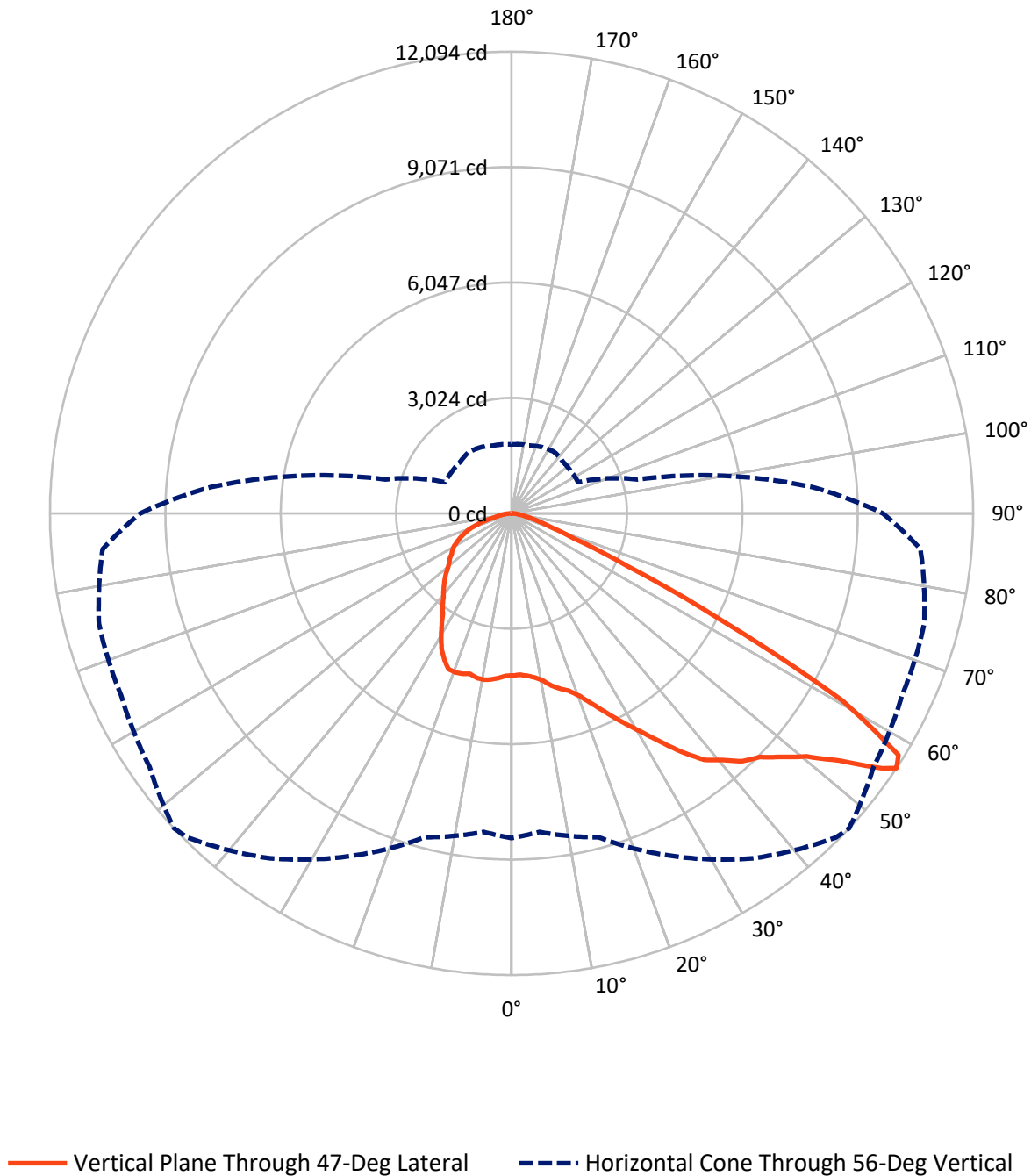
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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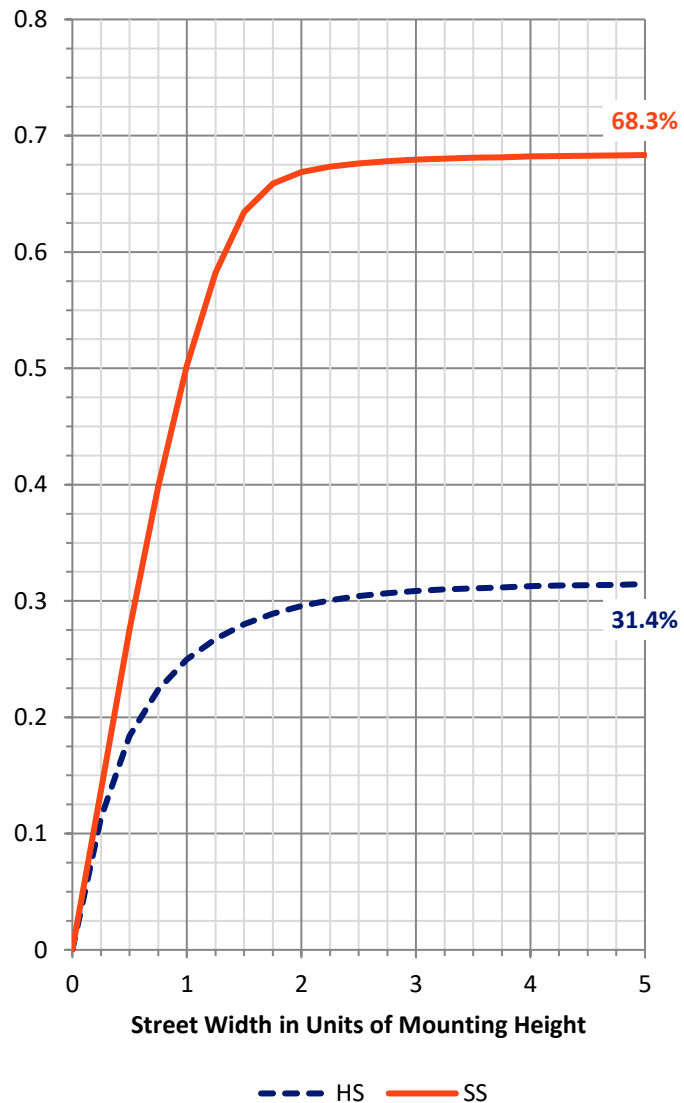
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6701.6	0.0	6701.6
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	14446.5	0.0	14446.5
	% Fixture	68.3	0.0	68.3
Total	Lumens	21148.0	0.0	21148.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.9	2.0
10°-20°	1305.7	6.2
20°-30°	2308.1	10.9
30°-40°	3466.7	16.4
40°-50°	4757.7	22.5
50°-60°	5668.2	26.8
60°-70°	2425.7	11.5
70°-80°	686.5	3.2
80°-90°	115.5	0.5
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°	21148.0	100.0
0°-180°	21148.0	100.0

Coefficient of Utilization



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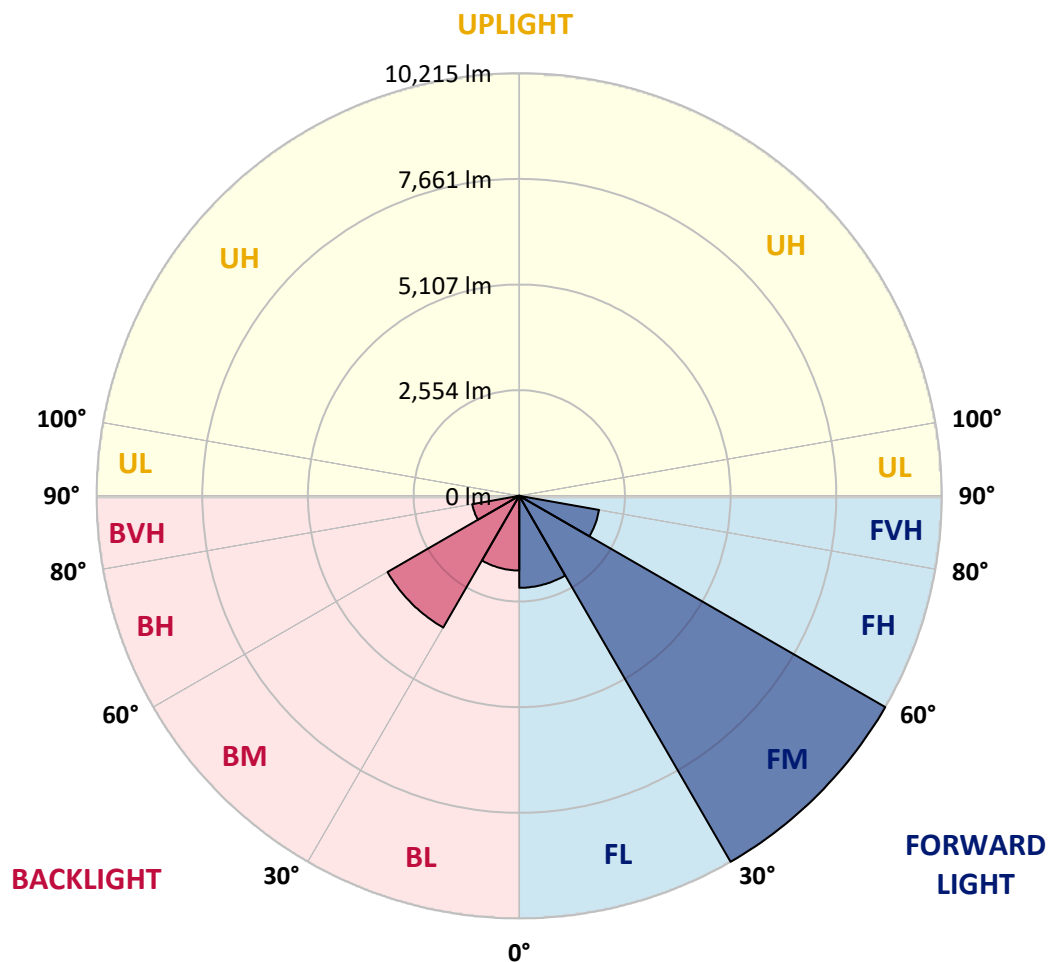
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2223.4	10.5			
FM	(30°-60°)	10215.0	48.3			
FH	(60°-80°)	1959.1	9.3			G2/5000
FVH	(80°-90°)	49.0	0.2			G1/100
BL	(0°-30°)	1804.3	8.5	B3/2500		
BM	(30°-60°)	3677.7	17.4	B3/5000		
BH	(60°-80°)	1153.0	5.5	B3/2500		G3/2500
BVH	(80°-90°)	66.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0
2.5°	4231.8	4223.7	4218.3	4261.5	4245.3	4248.0	4231.8	4248.0	4258.8	4234.5	4269.6
5°	4223.7	4248.0	4226.4	4239.9	4275.0	4264.2	4275.0	4307.3	4299.2	4291.1	4280.4
7.5°	4299.2	4301.9	4318.1	4323.5	4334.3	4323.5	4339.7	4369.4	4361.3	4315.4	4320.8
10°	4407.1	4412.5	4415.2	4444.9	4463.8	4466.5	4447.6	4420.6	4417.9	4479.9	4436.8
12.5°	4531.2	4517.7	4550.1	4560.9	4582.4	4606.7	4631.0	4574.3	4609.4	4612.1	4560.9
15°	4711.9	4725.4	4687.6	4687.6	4695.7	4698.4	4765.8	4738.9	4733.5	4703.8	4725.4
17.5°	4981.6	4889.9	4887.2	4849.5	4844.1	4865.6	4889.9	4911.5	4984.3	4925.0	4809.0
20°	5178.5	5200.1	5121.9	5076.0	5084.1	5132.7	5108.4	5205.5	5256.7	5159.6	5046.3
22.5°	5526.4	5453.6	5472.5	5370.0	5378.1	5429.3	5426.6	5526.4	5556.1	5402.4	5237.8
25°	5761.1	5742.2	5758.4	5677.5	5688.3	5728.7	5793.5	5958.0	5909.4	5739.5	5359.2
27.5°	6103.6	6065.9	6052.4	6022.7	6011.9	6119.8	6195.3	6370.6	6335.6	6087.4	5575.0
30°	6454.2	6430.0	6443.5	6322.1	6365.2	6594.5	6616.1	6856.1	6839.9	6403.0	5815.0
32.5°	6697.0	6710.5	6734.8	6667.3	6858.8	7042.2	7115.0	7387.5	7400.9	6945.1	6278.9
35°	7088.1	7042.2	7055.7	7133.9	7222.9	7557.4	7676.1	7856.8	7970.0	7514.2	6724.0
37.5°	7333.5	7382.1	7325.4	7449.5	7681.4	8083.3	8191.2	8377.3	8496.0	8075.2	7330.8
40°	7716.5	7638.3	7678.7	7767.8	8005.1	8528.3	8498.7	8690.2	8727.9	8552.6	7897.2
42.5°	8129.2	8091.4	8034.8	8237.1	8436.6	8816.9	8876.3	8787.3	8978.8	9019.2	8706.4
45°	8622.7	8668.6	8676.7	8682.1	8857.4	9189.1	9108.2	9030.0	9251.2	9545.2	9208.0
47.5°	9081.3	8935.6	9040.8	9186.4	9434.6	9437.3	9531.7	9345.6	9580.2	9841.9	9661.1
50°	9235.0	9164.9	9305.1	9580.2	9963.2	10003.7	10014.5	9750.2	9871.5	10079.2	9817.6
52.5°	9175.7	9151.4	9510.1	9936.3	10497.3	10702.2	10756.2	10429.8	10497.3	10402.9	10162.8
55°	8892.5	8965.3	9326.7	10195.2	11055.6	11689.4	11791.9	11379.2	10950.4	11023.2	10758.9
56°	8504.1	8377.3	8781.9	9901.2	11031.3	12010.4	12094.0	11578.8	11287.5	11193.1	10753.5
57.5°	7214.8	7050.3	7581.7	8908.6	10419.0	11889.0	11951.0	11662.4	11230.9	11039.4	9968.6
60°	4223.7	4304.6	4978.9	6144.1	8037.5	9747.5	9955.1	10165.5	9876.9	9019.2	7419.8
62.5°	2039.0	1987.8	2470.6	3522.5	4898.0	6222.3	6160.3	6750.9	7074.6	6408.4	4684.9
65°	1068.1	1062.7	1348.6	1923.1	2691.7	3268.9	3325.6	3643.8	4088.9	3301.3	2378.9
67.5°	784.9	806.4	949.4	1351.3	1731.6	1766.6	1758.5	1917.7	1960.8	1658.7	1461.8
70°	614.9	625.7	730.9	1027.6	1289.2	1154.4	1130.1	1149.0	1275.7	1329.7	1265.0
72.5°	445.0	455.8	544.8	693.2	806.4	787.6	803.7	908.9	1065.4	1122.0	1054.6
75°	296.7	304.8	353.3	423.5	477.4	515.2	544.8	666.2	811.8	844.2	811.8
77.5°	205.0	213.1	245.4	299.4	304.8	329.1	339.8	396.5	485.5	525.9	504.4
80°	116.0	116.0	132.2	153.7	188.8	221.2	226.6	272.4	312.9	339.8	345.2
82.5°	53.9	56.6	70.1	94.4	124.1	153.7	159.1	188.8	218.5	245.4	253.5
85°	27.0	29.7	40.5	56.6	75.5	91.7	89.0	91.7	97.1	91.7	94.4
87.5°	8.1	8.1	10.8	13.5	10.8	13.5	13.5	16.2	18.9	21.6	24.3
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°	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0	4248.0
2.5°	4272.3	4280.4	4226.4	4277.7	4258.8	4256.1	4293.8	4288.4	4301.9	4296.5	4264.2
5°	4275.0	4256.1	4312.7	4261.5	4285.8	4337.0	4301.9	4382.8	4342.4	4369.4	4310.0
7.5°	4358.6	4364.0	4353.2	4374.8	4364.0	4388.2	4369.4	4388.2	4355.9	4358.6	4412.5
10°	4431.4	4415.2	4434.1	4407.1	4426.0	4417.9	4374.8	4361.3	4372.1	4358.6	4393.6
12.5°	4566.3	4536.6	4523.1	4490.7	4469.2	4388.2	4320.8	4283.1	4334.3	4342.4	4326.2
15°	4703.8	4706.5	4644.5	4571.6	4436.8	4315.4	4331.6	4345.1	4345.1	4366.7	4326.2
17.5°	4790.1	4790.1	4733.5	4587.8	4450.3	4380.2	4364.0	4320.8	4283.1	4277.7	4275.0
20°	4941.2	4895.3	4765.8	4585.1	4444.9	4412.5	4291.1	4188.7	4110.4	4083.5	4080.8
22.5°	5113.8	4997.8	4817.1	4590.5	4436.8	4390.9	4164.4	4010.6	3870.4	3811.1	3819.1
25°	5272.9	5086.8	4846.8	4566.3	4407.1	4186.0	3932.4	3719.4	3573.7	3525.2	3500.9
27.5°	5383.5	5181.2	4846.8	4587.8	4296.5	3956.7	3697.8	3425.4	3298.6	3266.2	3271.6
30°	5531.8	5299.9	4930.4	4542.0	4075.4	3660.0	3349.8	3171.8	3096.3	3069.3	3088.2
32.5°	5879.8	5610.0	5046.3	4431.4	3813.8	3363.3	3112.5	3012.7	2902.1	2848.2	2829.3
35°	6257.4	5904.0	5159.6	4245.3	3519.8	3093.6	2937.2	2845.5	2713.3	2654.0	2664.8
37.5°	6791.4	6281.6	5167.7	3937.8	3201.5	2942.6	2799.6	2656.7	2548.8	2457.1	2430.1
40°	7511.5	6796.8	5148.8	3614.2	2945.3	2764.6	2659.4	2481.4	2360.0	2295.3	2308.7
42.5°	8145.4	7400.9	5070.6	3247.4	2713.3	2643.2	2524.5	2349.2	2230.5	2163.1	2157.7
45°	8679.4	7846.0	4922.3	2934.5	2519.1	2508.3	2370.8	2235.9	2141.5	2079.5	2106.5
47.5°	9173.0	8204.7	4698.4	2621.6	2341.1	2362.7	2230.5	2146.9	2087.6	2030.9	2028.2
50°	9351.0	8199.3	4501.5	2362.7	2198.2	2187.4	2182.0	2093.0	2030.9	1982.4	2004.0
52.5°	9647.7	8291.0	4288.4	2184.7	2068.7	2071.4	2090.3	2025.5	1955.4	1925.8	1952.7
55°	10073.8	8304.5	3819.1	1977.0	1960.8	1979.7	1979.7	1936.5	1877.2	1852.9	1839.4
56°	9725.9	7902.6	3425.4	1923.1	1906.9	1906.9	1958.1	1909.6	1836.8	1817.9	1801.7
57.5°	8970.7	6923.6	2867.1	1858.3	1834.1	1871.8	1898.8	1847.5	1780.1	1753.1	1769.3
60°	6187.2	4684.9	2155.0	1718.1	1718.1	1780.1	1801.7	1726.2	1696.5	1693.8	1672.2
62.5°	3611.5	2729.5	1685.7	1591.3	1596.7	1648.0	1664.1	1621.0	1583.2	1629.1	1650.6
65°	1915.0	1629.1	1445.7	1456.5	1459.2	1499.6	1569.7	1567.0	1564.3	1577.8	1580.5
67.5°	1386.3	1354.0	1313.5	1302.7	1308.1	1337.8	1407.9	1461.8	1459.2	1426.8	1402.5
70°	1235.3	1189.4	1165.2	1167.9	1146.3	1181.3	1238.0	1273.0	1211.0	1173.3	1157.1
72.5°	1027.6	1014.1	997.9	1000.6	957.5	949.4	884.7	884.7	868.5	857.7	876.6
75°	784.9	779.5	787.6	774.1	728.2	679.7	641.9	606.9	552.9	531.3	520.5
77.5°	496.3	512.5	531.3	501.7	482.8	447.7	410.0	374.9	331.7	307.5	307.5
80°	337.1	350.6	364.1	358.7	337.1	304.8	275.1	237.3	207.7	188.8	186.1
82.5°	256.2	267.0	285.9	264.3	242.7	215.8	191.5	164.5	137.6	116.0	116.0
85°	91.7	105.2	116.0	126.8	134.9	137.6	118.7	97.1	78.2	62.0	59.3
87.5°	24.3	27.0	29.7	27.0	27.0	27.0	29.7	27.0	24.3	18.9	18.9
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)