

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: P323920

Luminaire Tested: **GAN-SA6B-760-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-760-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27740 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

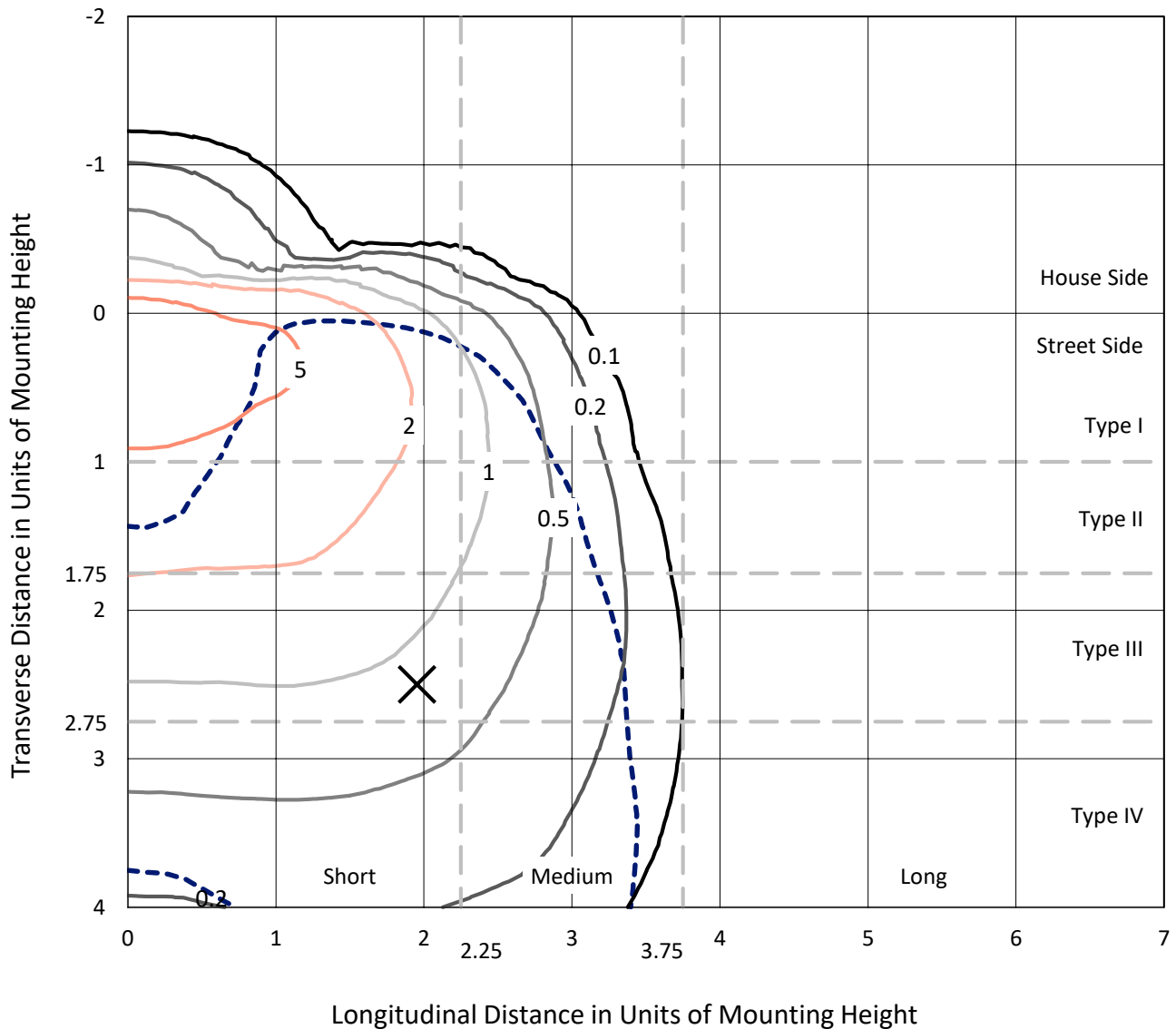
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

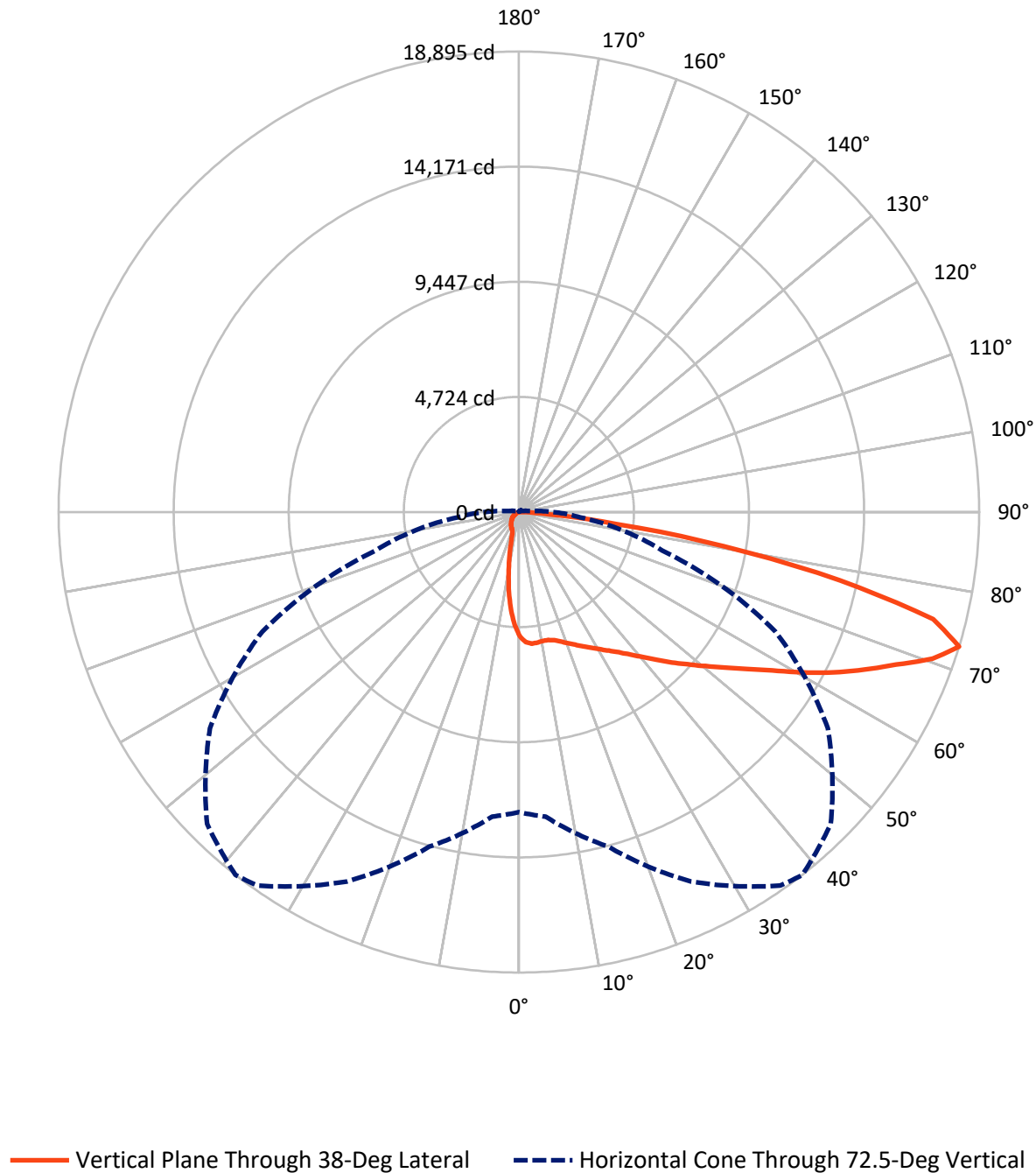
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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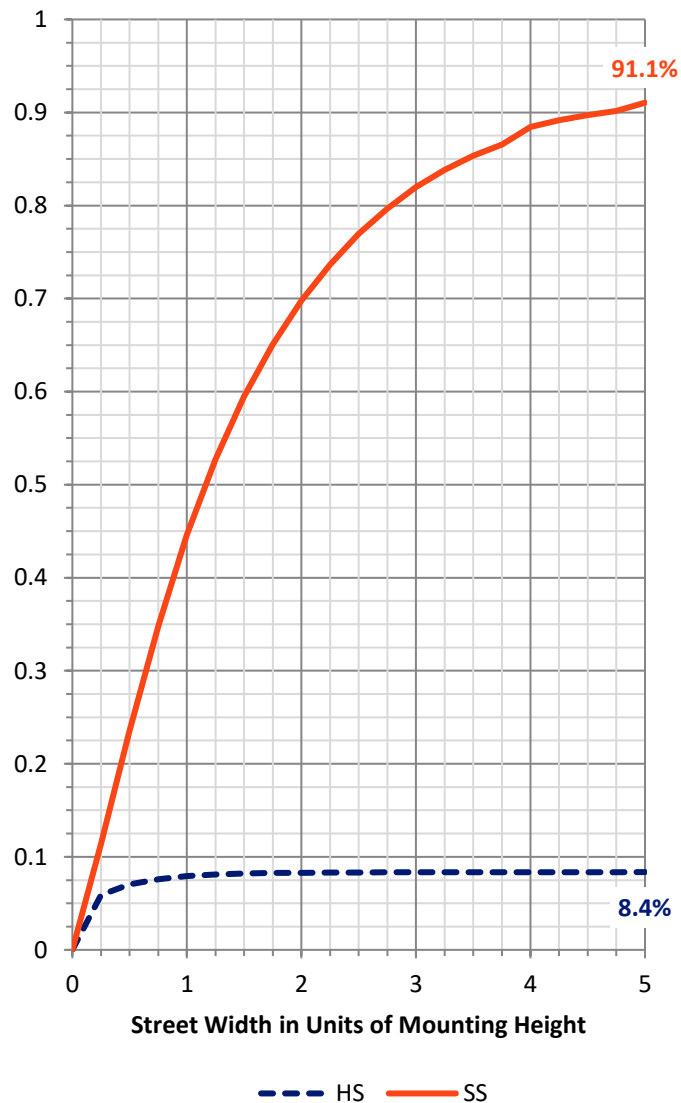
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2334.4	0.0	2334.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	25405.6	0.0	25405.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	27740.0	0.0	27740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.7	1.6
10°-20°	1063.0	3.8
20°-30°	1690.7	6.1
30°-40°	2541.8	9.2
40°-50°	3877.7	14.0
50°-60°	5480.4	19.8
60°-70°	6874.3	24.8
70°-80°	5140.0	18.5
80°-90°	637.3	2.3
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°	27740.0	100.0
0°-180°	27740.0	100.0

Coefficient of Utilization



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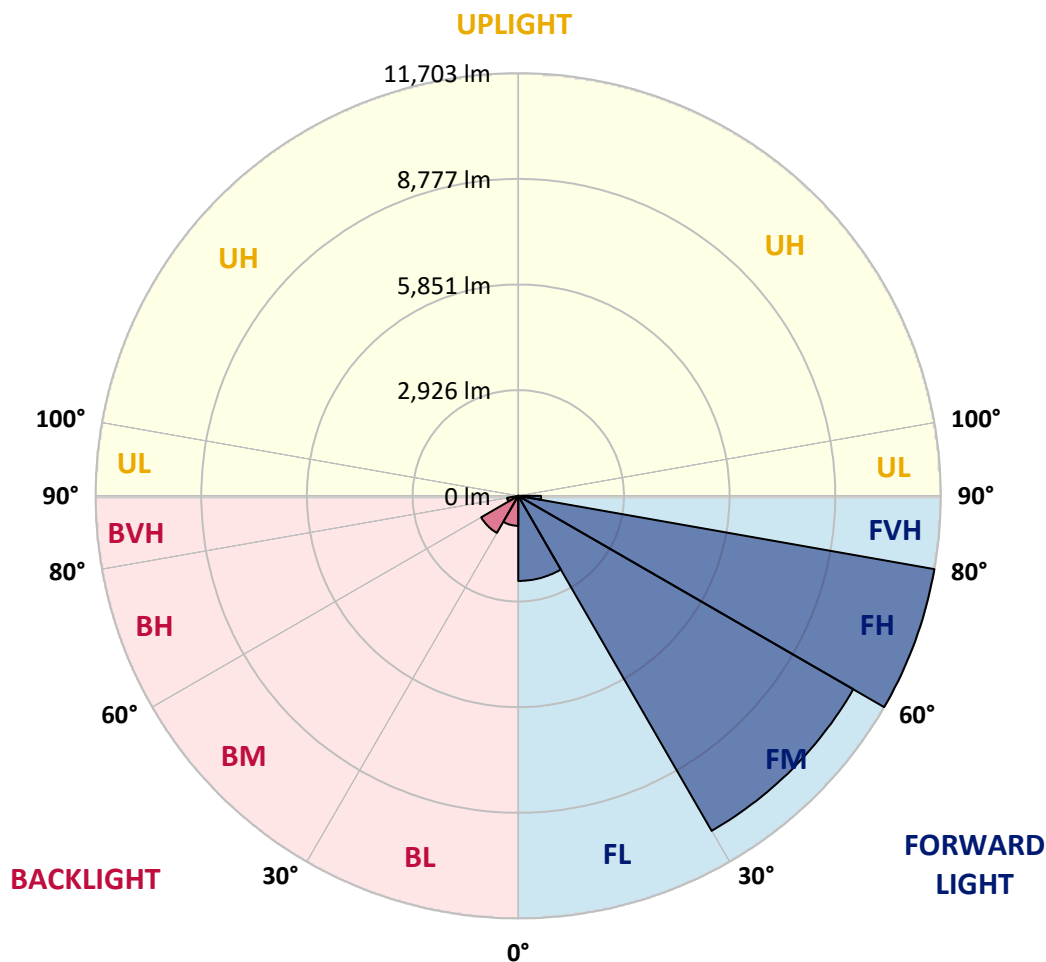
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2357.2	8.5			
FM	(30°-60°)	10714.4	38.6			
FH	(60°-80°)	11702.5	42.2			G4/12000
FVH	(80°-90°)	631.4	2.3			G4/750
BL	(0°-30°)	831.2	3.0	B2/1000		
BM	(30°-60°)	1185.5	4.3	B2/2500		
BH	(60°-80°)	311.8	1.1	B1/500		G1/500
BVH	(80°-90°)	5.9	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3
2.5°	5414.7	5415.8	5403.1	5382.4	5355.9	5342.1	5319.0	5282.2	5243.0	5172.7	5096.7
5°	5525.3	5525.3	5509.1	5481.5	5438.8	5426.2	5382.4	5323.6	5243.0	5128.9	5001.1
7.5°	5513.7	5516.0	5494.1	5465.3	5422.7	5411.2	5358.2	5292.5	5192.3	5054.1	4890.5
10°	5453.8	5459.6	5442.3	5428.5	5389.3	5376.6	5327.1	5261.4	5161.2	5013.7	4826.0
12.5°	5392.8	5398.5	5404.3	5417.0	5392.8	5388.2	5349.0	5293.7	5198.1	5044.8	4832.9
15°	5353.6	5365.1	5406.6	5456.1	5461.9	5457.3	5431.9	5380.1	5283.3	5124.3	4882.4
17.5°	5353.6	5372.0	5458.4	5552.9	5586.3	5589.8	5567.9	5495.3	5380.1	5209.6	4928.5
20°	5398.5	5423.9	5558.7	5692.3	5747.6	5747.6	5705.0	5603.6	5468.8	5286.8	4959.6
22.5°	5513.7	5547.1	5716.5	5870.9	5929.6	5916.9	5859.3	5711.9	5561.0	5374.3	4998.8
25°	5740.7	5766.0	5942.3	6097.8	6133.5	6104.7	6032.2	5843.2	5678.5	5493.0	5070.2
27.5°	6033.3	6036.8	6218.8	6350.1	6328.2	6308.6	6217.6	6008.0	5847.8	5662.3	5193.5
30°	6354.7	6354.7	6514.9	6615.1	6548.3	6532.1	6441.1	6207.3	6064.4	5892.8	5368.6
32.5°	6665.8	6679.6	6809.8	6873.2	6798.3	6782.1	6693.4	6459.6	6352.4	6244.1	5641.6
35°	6966.5	6976.8	7100.1	7134.7	7063.2	7067.9	7004.5	6806.3	6766.0	6752.2	6052.9
37.5°	7257.9	7260.2	7385.8	7407.7	7372.0	7411.2	7416.9	7241.8	7316.7	7428.4	6632.4
40°	7524.1	7526.4	7650.8	7707.2	7768.3	7819.0	7863.9	7770.6	8018.3	8277.5	7322.5
42.5°	7737.2	7761.4	7919.2	8026.4	8187.6	8284.4	8406.5	8401.9	8853.5	9242.9	8156.5
45°	7925.0	7966.5	8186.5	8374.3	8650.8	8805.1	8996.4	9146.2	9793.6	10317.8	9001.0
47.5°	8172.7	8211.8	8463.0	8770.6	9139.2	9342.0	9658.8	9982.5	10827.0	11373.1	9825.9
50°	8521.7	8504.5	8752.2	9193.4	9666.9	9933.0	10384.6	10869.6	11852.3	12292.4	10310.9
52.5°	8893.9	8886.9	9070.1	9653.1	10289.0	10600.0	11196.8	11786.7	12832.7	12926.0	10533.2
55°	9354.7	9305.1	9459.5	10177.2	11027.5	11361.6	12064.3	12694.5	13613.8	13283.2	10645.0
57.5°	9837.4	9755.6	9903.1	10761.3	11860.4	12255.5	13025.1	13579.3	14133.4	13527.4	10643.8
60°	10336.2	10239.5	10414.6	11491.7	12894.9	13352.3	14066.6	14177.2	14618.4	13650.7	10565.5
62.5°	10753.3	10695.7	10956.0	12272.8	14050.4	14499.8	14853.4	14720.9	15027.4	13746.3	10382.3
65°	11194.5	11198.0	11618.5	13184.1	15278.5	15581.5	15611.5	15426.0	15369.6	13726.7	9762.5
67.5°	11791.3	11846.6	12548.2	14421.4	16473.2	16707.1	16704.8	16189.8	15619.5	12947.9	8388.1
70°	12422.6	12552.8	13619.6	15837.3	17777.3	18014.7	17892.5	16676.0	14707.1	10469.9	5936.5
72.5°	12316.6	12542.4	14215.2	16730.1	18714.0	18894.8	18101.1	15481.3	11624.2	6085.1	2527.6
75°	9502.1	9763.7	13034.3	15845.3	17731.3	17568.8	15552.7	12047.0	6352.4	1698.1	569.1
77.5°	5019.5	5158.9	8610.5	12071.2	13825.8	13485.9	10956.0	6683.1	1936.6	420.5	255.8
80°	2629.0	2661.2	3752.2	6849.0	8533.3	8535.6	6493.0	2935.4	798.4	215.4	171.7
82.5°	1407.8	1435.5	1982.7	3164.7	4471.1	4052.9	2486.1	1615.2	464.3	122.1	164.7
85°	338.7	344.5	1124.4	1445.8	1758.0	1255.7	738.5	1356.0	125.6	71.4	133.6
87.5°	130.2	132.5	417.0	625.6	448.1	290.3	345.6	505.8	16.1	27.6	20.7
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°	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3	5101.3
2.5°	5050.6	5020.7	4946.9	4853.6	4770.7	4710.7	4620.9	4562.1	4523.0	4521.8	4506.8
5°	4922.7	4861.7	4702.7	4513.7	4342.1	4187.7	4005.7	3861.7	3754.5	3737.3	3700.4
7.5°	4785.6	4685.4	4441.2	4146.2	3858.2	3565.6	3225.8	3014.9	2834.1	2747.6	2738.4
10°	4701.5	4561.0	4214.2	3788.0	3336.3	2860.5	2415.9	2108.3	1885.9	1822.5	1775.3
12.5°	4684.3	4498.8	4039.1	3451.6	2806.4	2177.4	1685.5	1358.3	1180.9	1124.4	1109.4
15°	4701.5	4470.0	3891.6	3118.6	2269.5	1544.9	1131.3	941.2	874.4	858.3	857.1
17.5°	4711.9	4435.4	3724.6	2748.8	1748.8	1103.7	866.3	811.0	800.7	799.5	801.8
20°	4710.7	4382.4	3525.3	2336.4	1300.7	867.5	783.4	771.9	769.6	770.7	769.6
22.5°	4702.7	4320.2	3306.4	1911.3	982.7	775.3	747.7	740.8	739.6	739.6	739.6
25°	4717.7	4270.7	3065.6	1504.6	809.9	732.7	715.4	709.7	708.5	708.5	706.2
27.5°	4771.8	4243.0	2801.8	1157.8	731.6	694.7	680.9	679.7	676.3	675.1	677.4
30°	4859.4	4243.0	2512.6	900.9	684.3	655.5	645.2	642.8	641.7	640.5	641.7
32.5°	5013.7	4275.3	2197.0	748.8	639.4	611.7	604.8	608.3	604.8	604.8	604.8
35°	5292.5	4372.0	1866.3	653.2	592.2	569.1	562.2	566.8	564.5	564.5	563.4
37.5°	5699.2	4551.8	1533.4	595.6	550.7	526.5	517.3	524.2	521.9	521.9	520.7
40°	6194.6	4813.3	1216.6	551.8	510.4	485.0	477.0	480.4	474.6	474.6	477.0
42.5°	6806.3	5145.1	940.1	509.2	470.0	445.8	441.2	437.8	427.4	421.7	422.8
45°	7486.0	5490.7	732.7	467.7	432.0	412.4	405.5	396.3	379.0	367.5	368.7
47.5°	8093.2	5756.8	595.6	427.4	397.5	382.5	372.1	354.8	329.5	315.7	316.8
50°	8412.3	5797.1	506.9	387.1	365.2	350.2	335.2	308.8	278.8	263.8	262.7
52.5°	8494.1	5608.2	441.2	350.2	332.9	315.7	296.1	260.4	227.0	210.8	208.5
55°	8524.0	5320.2	382.5	315.7	298.4	278.8	253.5	213.1	182.0	165.9	164.7
57.5°	8425.0	4890.5	336.4	284.6	263.8	239.6	208.5	170.5	140.6	127.9	127.9
60°	8204.9	4308.7	300.7	251.1	228.1	200.5	168.2	132.5	104.8	94.5	94.5
62.5°	7766.0	3555.2	267.3	216.6	194.7	165.9	135.9	100.2	73.7	68.0	69.1
65°	6937.7	2697.0	233.9	185.5	165.9	137.1	106.0	71.4	49.5	49.5	51.8
67.5°	5657.7	1873.2	199.3	157.8	142.9	111.7	80.6	49.5	34.6	39.2	43.8
70°	3745.3	1050.7	170.5	130.2	122.1	88.7	59.9	33.4	27.6	36.9	44.9
72.5°	1413.6	409.0	142.9	104.8	106.0	68.0	42.6	25.3	25.3	40.3	53.0
75°	394.0	200.5	102.5	77.2	82.9	49.5	31.1	21.9	24.2	46.1	62.2
77.5°	231.6	147.5	66.8	44.9	56.5	34.6	20.7	17.3	20.7	39.2	59.9
80°	186.6	78.3	39.2	23.0	31.1	19.6	13.8	10.4	5.8	15.0	31.1
82.5°	186.6	47.2	18.4	16.1	16.1	10.4	6.9	4.6	1.2	0.0	8.1
85°	125.6	19.6	11.5	10.4	8.1	3.5	2.3	1.2	0.0	0.0	0.0
87.5°	20.7	8.1	4.6	2.3	1.2	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)