

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: P323929

Luminaire Tested: **GAN-SA5C-760-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323929
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-SA5C-760-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 1050mA 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: 28690 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 279
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

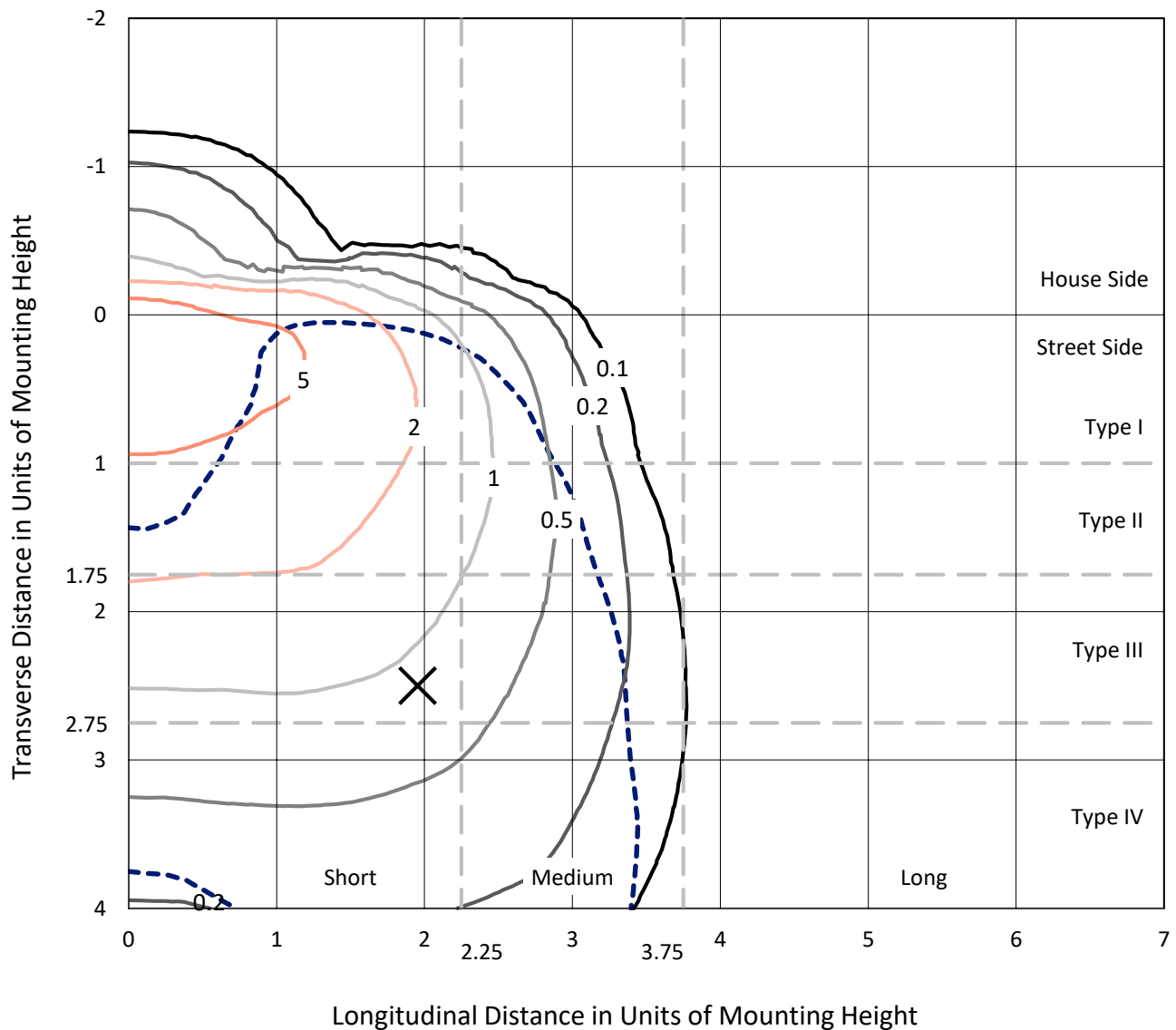


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Iso-Footcandle Lines of Horizontal Illumination

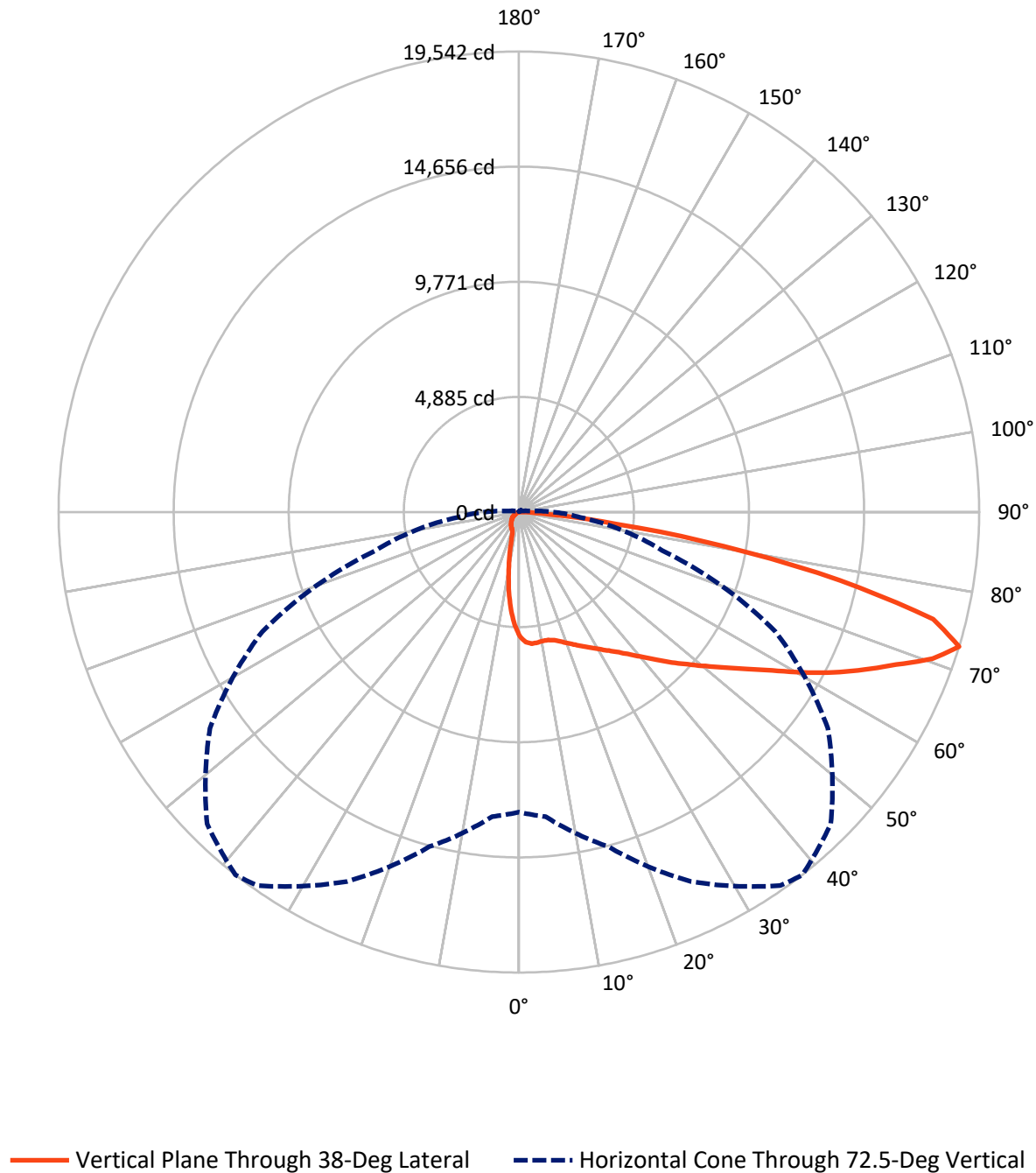
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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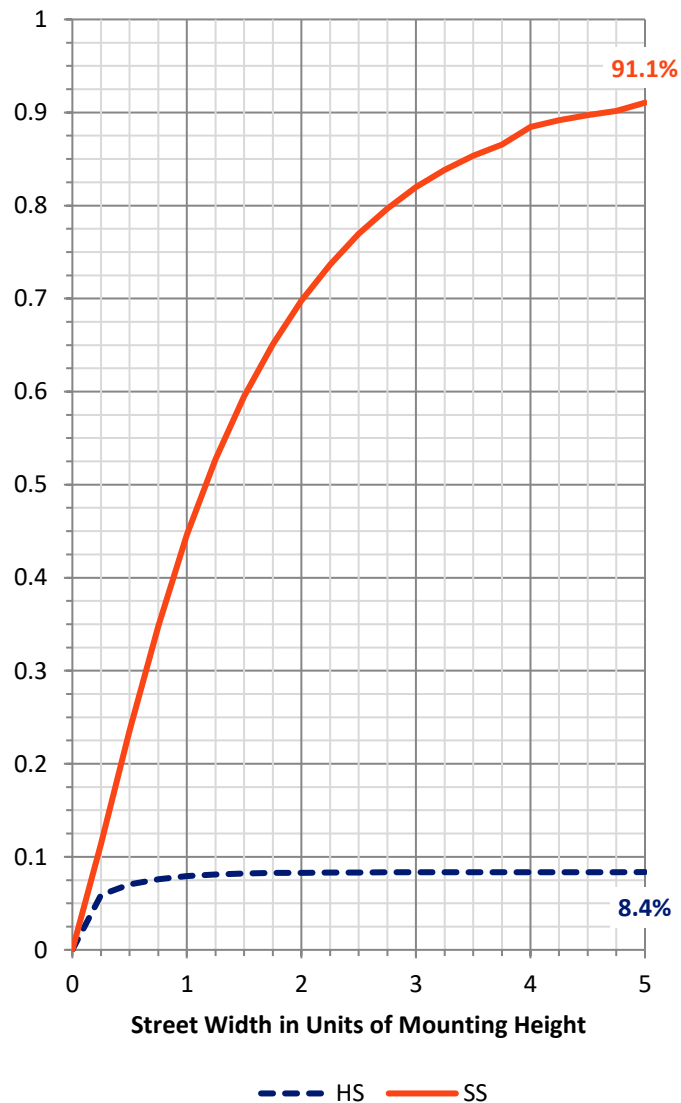
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2414.4	0.0	2414.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	26275.6	0.0	26275.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	28690.0	0.0	28690.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.6	1.6
10°-20°	1099.4	3.8
20°-30°	1748.6	6.1
30°-40°	2628.8	9.2
40°-50°	4010.5	14.0
50°-60°	5668.1	19.8
60°-70°	7109.7	24.8
70°-80°	5316.1	18.5
80°-90°	659.2	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°	28690.0	100.0
0°-180°	28690.0	100.0

Coefficient of Utilization



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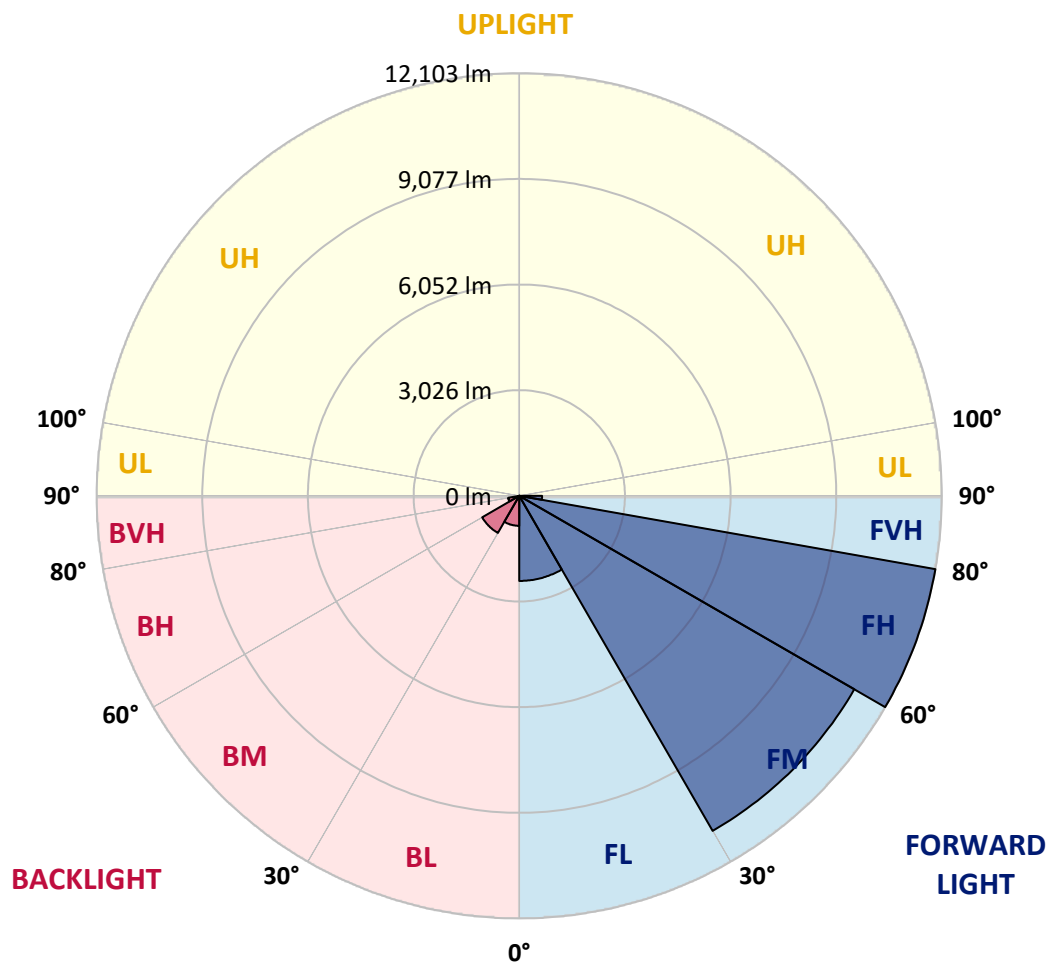
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2438.0	8.5			
FM	(30°-60°)	11081.3	38.6			
FH	(60°-80°)	12103.3	42.2			G5
FVH	(80°-90°)	653.0	2.3			G4/750
BL	(0°-30°)	859.7	3.0	B2/1000		
BM	(30°-60°)	1226.0	4.3	B2/2500		
BH	(60°-80°)	322.5	1.1	B1/500		G1/500
BVH	(80°-90°)	6.2	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0
2.5°	5600.1	5601.3	5588.2	5566.7	5539.3	5525.0	5501.2	5463.1	5422.6	5349.9	5271.2
5°	5714.5	5714.5	5697.8	5669.2	5625.1	5612.0	5566.7	5506.0	5422.6	5304.6	5172.3
7.5°	5702.6	5704.9	5682.3	5652.5	5608.4	5596.5	5541.7	5473.8	5370.1	5227.1	5058.0
10°	5640.6	5646.6	5628.7	5614.4	5573.9	5560.8	5509.5	5441.6	5338.0	5185.4	4991.2
12.5°	5577.4	5583.4	5589.4	5602.5	5577.4	5572.7	5532.2	5475.0	5376.1	5217.6	4998.4
15°	5536.9	5548.9	5591.7	5643.0	5648.9	5644.2	5618.0	5564.3	5464.3	5299.8	5049.6
17.5°	5536.9	5556.0	5645.4	5743.1	5777.6	5781.2	5758.6	5683.5	5564.3	5388.0	5097.3
20°	5583.4	5609.6	5749.0	5887.2	5944.4	5944.4	5900.3	5795.5	5656.1	5467.8	5129.4
22.5°	5702.6	5737.1	5912.3	6071.9	6132.7	6119.6	6060.0	5907.5	5751.4	5558.4	5170.0
25°	5937.3	5963.5	6145.8	6306.7	6343.6	6313.8	6238.7	6043.3	5872.9	5681.1	5243.8
27.5°	6239.9	6243.5	6431.8	6567.6	6545.0	6524.7	6430.6	6213.7	6048.1	5856.3	5371.3
30°	6572.4	6572.4	6738.0	6841.6	6772.5	6755.8	6661.7	6419.8	6272.1	6094.6	5552.4
32.5°	6894.1	6908.4	7043.0	7108.5	7031.1	7014.4	6922.7	6680.8	6570.0	6458.0	5834.8
35°	7205.0	7215.8	7343.3	7379.0	7305.1	7309.9	7244.4	7039.4	6997.7	6983.4	6260.2
37.5°	7506.5	7508.9	7638.8	7661.4	7624.5	7665.0	7670.9	7489.8	7567.3	7682.8	6859.5
40°	7781.7	7784.1	7912.8	7971.2	8034.3	8086.8	8133.2	8036.7	8292.9	8561.0	7573.2
42.5°	8002.2	8027.2	8190.4	8301.2	8468.0	8568.1	8694.4	8689.7	9156.7	9559.5	8435.9
45°	8196.4	8239.3	8466.9	8661.1	8947.0	9106.7	9304.5	9459.4	10129.0	10671.1	9309.3
47.5°	8452.6	8493.1	8752.8	9070.9	9452.2	9661.9	9989.6	10324.4	11197.8	11762.6	10162.4
50°	8813.6	8795.7	9051.9	9508.2	9997.9	10273.2	10740.3	11241.9	12258.2	12713.4	10664.0
52.5°	9198.4	9191.3	9380.7	9983.6	10641.4	10963.1	11580.3	12190.3	13272.2	13368.7	10894.0
55°	9675.0	9623.8	9783.5	10525.8	11405.1	11750.6	12477.5	13129.2	14080.0	13738.1	11009.5
57.5°	10174.3	10089.7	10242.2	11129.9	12266.6	12675.3	13471.2	14044.3	14617.4	13990.7	11008.3
60°	10690.2	10590.1	10771.2	11885.3	13336.5	13809.6	14548.3	14662.7	15119.0	14118.2	10927.3
62.5°	11121.5	11062.0	11331.2	12693.1	14531.6	14996.3	15362.1	15225.1	15542.0	14217.1	10737.9
65°	11577.9	11581.5	12016.4	13635.6	15801.8	16115.1	16146.1	15954.3	15895.9	14196.8	10096.8
67.5°	12195.1	12252.3	12977.9	14915.3	17037.4	17279.2	17276.9	16744.3	16154.5	13391.4	8675.4
70°	12848.0	12982.7	14086.0	16379.7	18386.2	18631.6	18505.3	17247.1	15210.8	10828.4	6139.8
72.5°	12738.4	12971.9	14702.0	17303.1	19354.9	19541.9	18721.0	16011.5	12022.3	6293.5	2614.2
75°	9827.6	10098.0	13480.7	16388.0	18338.5	18170.5	16085.4	12459.6	6570.0	1756.3	588.6
77.5°	5191.4	5335.6	8905.3	12484.6	14299.3	13947.8	11331.2	6911.9	2002.9	434.9	264.5
80°	2719.0	2752.4	3880.7	7083.5	8825.5	8827.9	6715.3	3036.0	825.7	222.8	177.5
82.5°	1456.0	1484.6	2050.6	3273.1	4624.2	4191.7	2571.3	1670.5	480.2	126.3	170.4
85°	350.3	356.3	1162.9	1495.3	1818.2	1298.7	763.8	1402.4	129.9	73.9	138.2
87.5°	134.6	137.0	431.3	647.0	463.5	300.3	357.5	523.1	16.7	28.6	21.4
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°	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0	5276.0
2.5°	5223.6	5192.6	5116.3	5019.8	4934.0	4872.1	4779.1	4718.4	4677.9	4676.7	4661.2
5°	5091.3	5028.2	4863.7	4668.3	4490.8	4331.1	4142.9	3993.9	3883.1	3865.3	3827.1
7.5°	4949.5	4845.9	4593.3	4288.2	3990.4	3687.7	3336.2	3118.2	2931.1	2841.7	2832.2
10°	4862.5	4717.2	4358.5	3917.7	3450.6	2958.5	2498.6	2180.5	1950.5	1885.0	1836.1
12.5°	4844.7	4652.8	4177.4	3569.8	2902.5	2251.9	1743.2	1404.8	1221.3	1162.9	1147.4
15°	4862.5	4623.1	4024.9	3225.4	2347.3	1597.8	1170.1	973.5	904.4	887.7	886.5
17.5°	4873.3	4587.3	3852.1	2842.9	1808.7	1141.5	896.0	838.8	828.1	826.9	829.3
20°	4872.1	4532.5	3646.0	2416.4	1345.2	897.2	810.2	798.3	795.9	797.1	795.9
22.5°	4863.7	4468.2	3419.6	1976.7	1016.4	801.9	773.3	766.1	764.9	764.9	764.9
25°	4879.2	4416.9	3170.6	1556.1	837.6	757.8	739.9	734.0	732.8	732.8	730.4
27.5°	4935.2	4388.3	2897.7	1197.5	756.6	718.5	704.2	703.0	699.4	698.2	700.6
30°	5025.8	4388.3	2598.7	931.8	707.8	678.0	667.2	664.9	663.7	662.5	663.7
32.5°	5185.4	4421.7	2272.2	774.5	661.3	632.7	625.5	629.1	625.5	625.5	625.5
35°	5473.8	4521.8	1930.2	675.6	612.4	588.6	581.5	586.2	583.8	583.8	582.6
37.5°	5894.4	4707.6	1585.9	616.0	569.5	544.5	535.0	542.1	539.8	539.8	538.6
40°	6406.7	4978.1	1258.2	570.7	527.8	501.6	493.3	496.9	490.9	490.9	493.3
42.5°	7039.4	5321.3	972.3	526.6	486.1	461.1	456.3	452.8	442.0	436.1	437.3
45°	7742.4	5678.7	757.8	483.8	446.8	426.6	419.4	409.9	392.0	380.1	381.3
47.5°	8370.3	5954.0	616.0	442.0	411.1	395.6	384.9	367.0	340.8	326.5	327.7
50°	8700.4	5995.7	524.3	400.3	377.7	362.2	346.7	319.3	288.3	272.9	271.7
52.5°	8785.0	5800.3	456.3	362.2	344.3	326.5	306.2	269.3	234.7	218.0	215.7
55°	8816.0	5502.4	395.6	326.5	308.6	288.3	262.1	220.4	188.3	171.6	170.4
57.5°	8713.5	5058.0	347.9	294.3	272.9	247.8	215.7	176.3	145.4	132.3	132.3
60°	8485.9	4456.2	311.0	259.7	235.9	207.3	174.0	137.0	108.4	97.7	97.7
62.5°	8032.0	3677.0	276.4	224.0	201.4	171.6	140.6	103.7	76.3	70.3	71.5
65°	7175.3	2789.3	241.9	191.8	171.6	141.8	109.6	73.9	51.2	51.2	53.6
67.5°	5851.5	1937.4	206.1	163.2	147.7	115.6	83.4	51.2	35.7	40.5	45.3
70°	3873.6	1086.7	176.3	134.6	126.3	91.7	62.0	34.6	28.6	38.1	46.5
72.5°	1462.0	423.0	147.7	108.4	109.6	70.3	44.1	26.2	26.2	41.7	54.8
75°	407.5	207.3	106.0	79.8	85.8	51.2	32.2	22.6	25.0	47.7	64.3
77.5°	239.5	152.5	69.1	46.5	58.4	35.7	21.4	17.9	21.4	40.5	62.0
80°	193.0	81.0	40.5	23.8	32.2	20.3	14.3	10.7	6.0	15.5	32.2
82.5°	193.0	48.9	19.1	16.7	16.7	10.7	7.1	4.8	1.2	0.0	8.3
85°	129.9	20.3	11.9	10.7	8.3	3.6	2.4	1.2	0.0	0.0	0.0
87.5°	21.4	8.3	4.8	2.4	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)