

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: P323930

Luminaire Tested: **GAN-SA6C-760-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323930
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-SA6C-760-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 34333 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

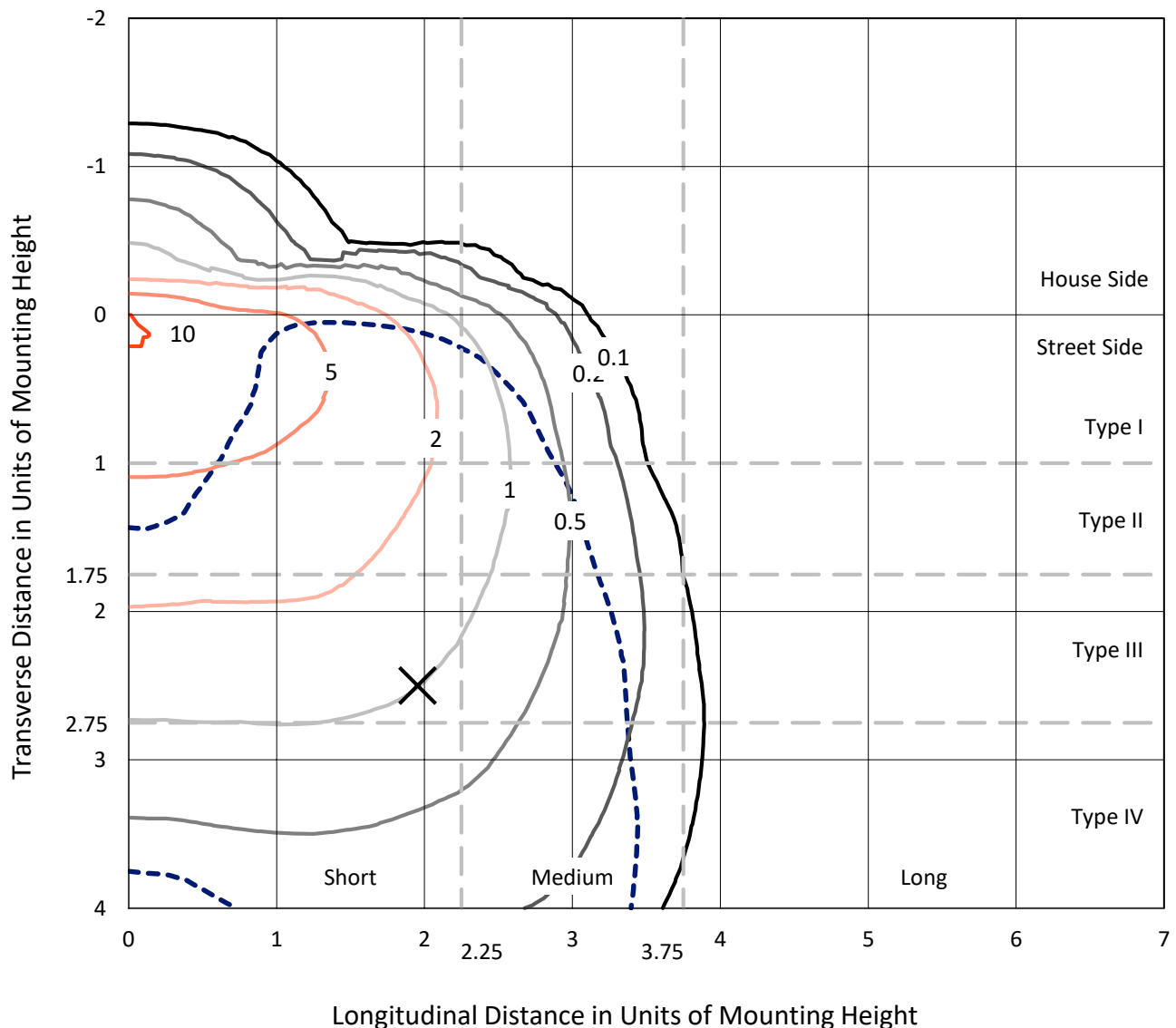
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

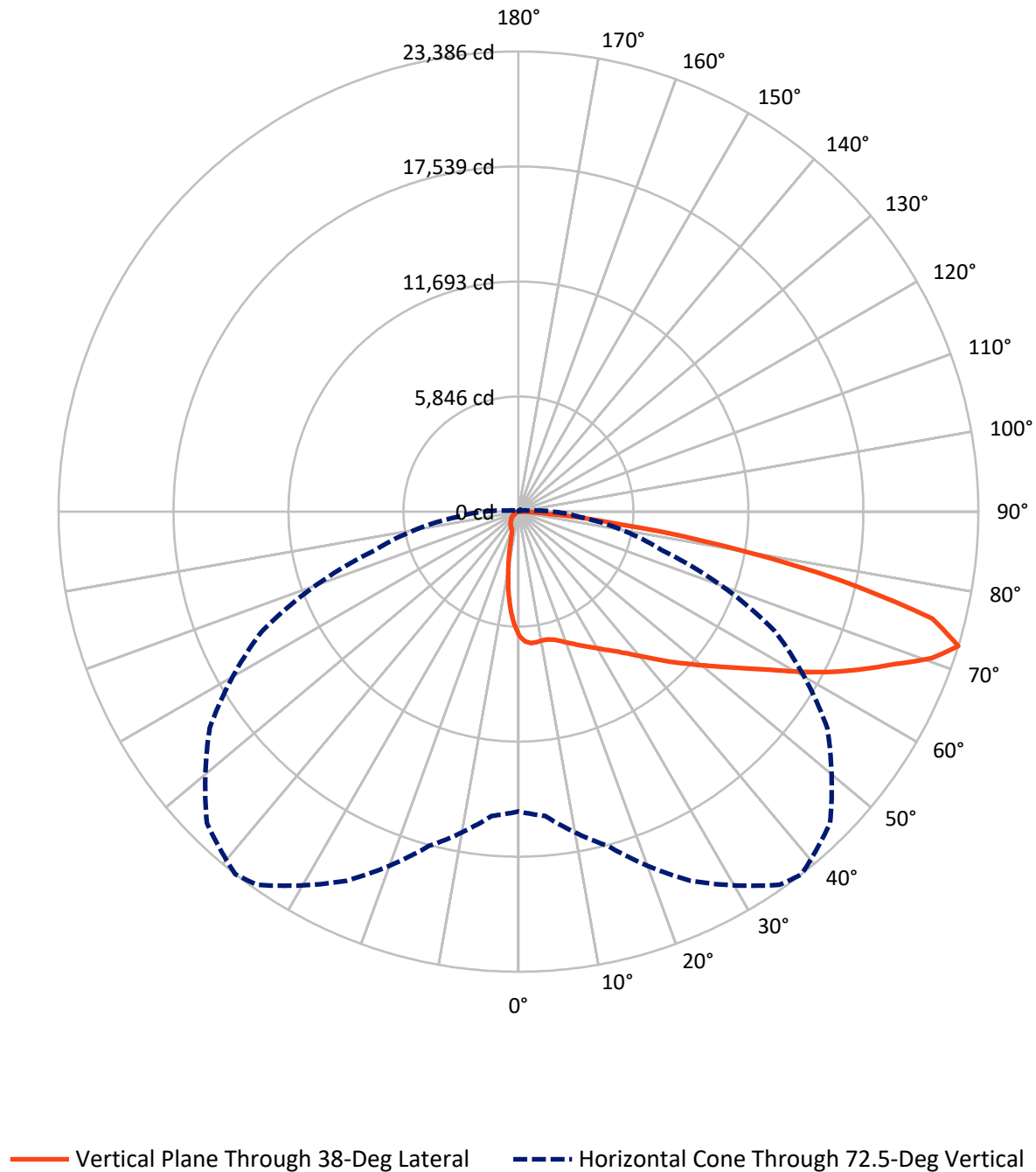
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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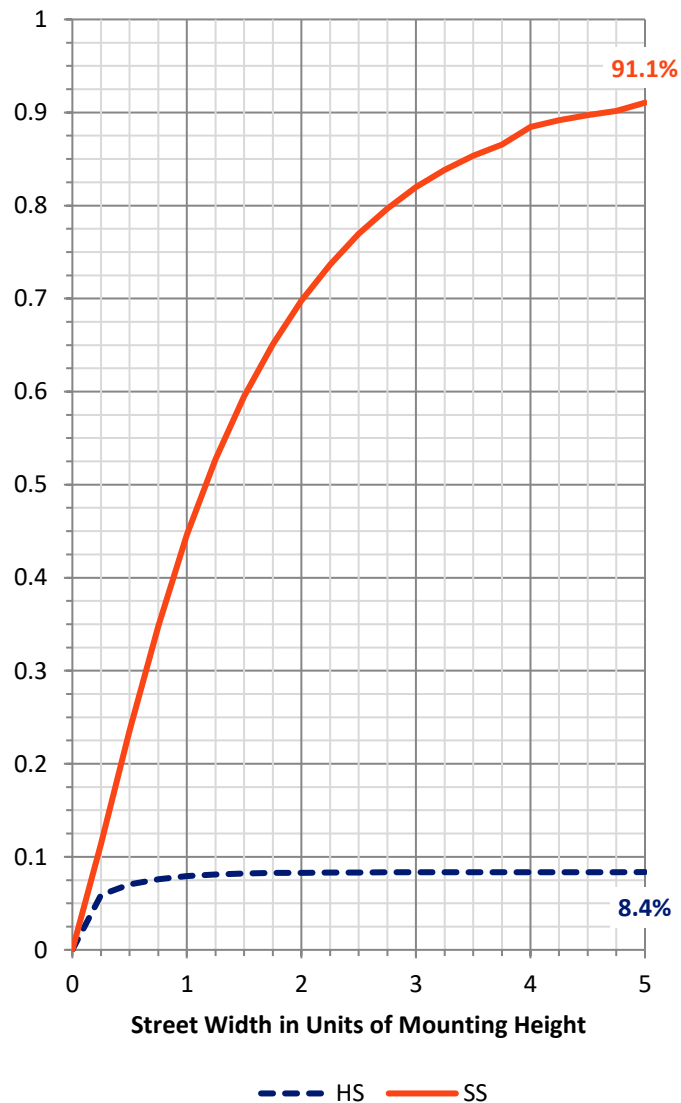
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2889.3	0.0	2889.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	31443.8	0.0	31443.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	34333.0	0.0	34333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.0	1.6
10°-20°	1315.7	3.8
20°-30°	2092.5	6.1
30°-40°	3145.9	9.2
40°-50°	4799.3	14.0
50°-60°	6783.0	19.8
60°-70°	8508.1	24.8
70°-80°	6361.7	18.5
80°-90°	788.8	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°	34333.0	100.0
0°-180°	34333.0	100.0

Coefficient of Utilization



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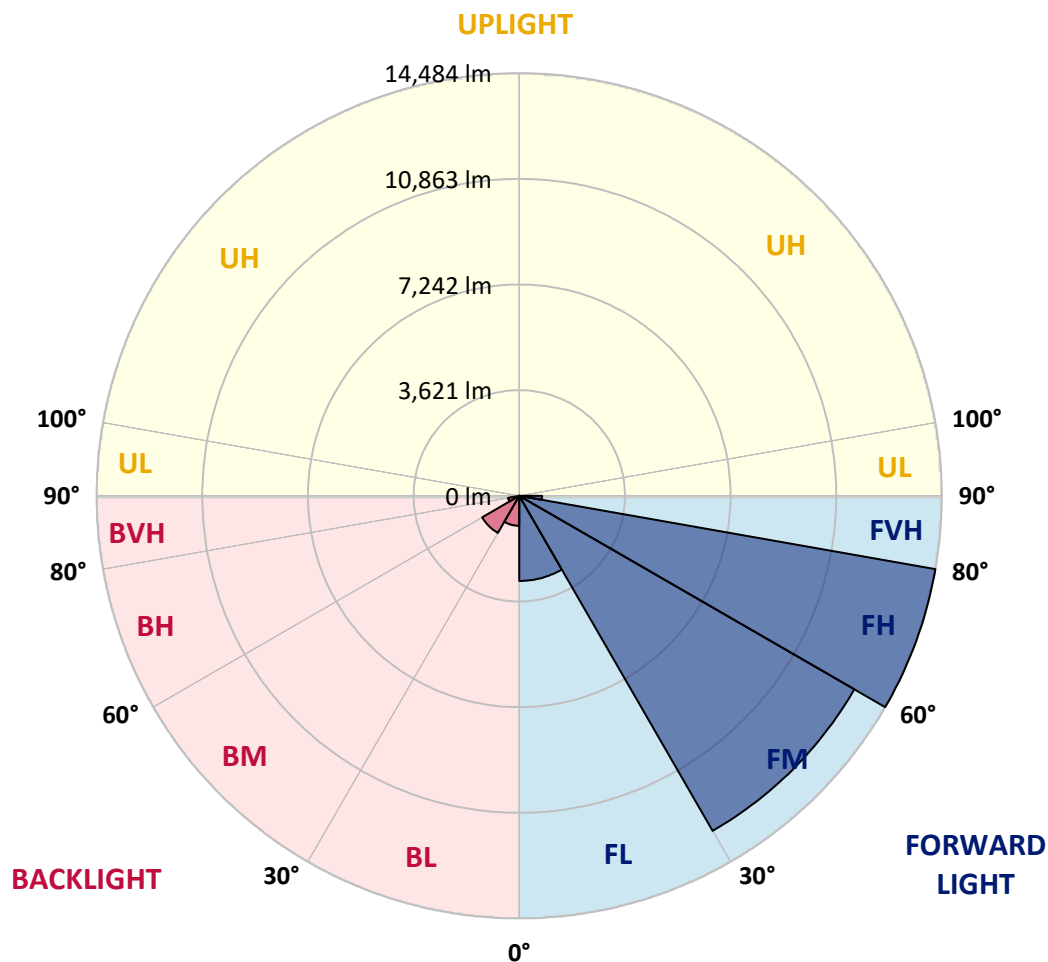
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2917.5	8.5			
FM	(30°-60°)	13260.9	38.6			
FH	(60°-80°)	14483.9	42.2			G5
FVH	(80°-90°)	781.5	2.3			G5
BL	(0°-30°)	1028.8	3.0	B3/2500		
BM	(30°-60°)	1467.2	4.3	B2/2500		
BH	(60°-80°)	385.9	1.1	B1/500		G1/500
BVH	(80°-90°)	7.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7
2.5°	6701.6	6703.0	6687.3	6661.6	6628.8	6611.7	6583.2	6537.6	6489.1	6402.1	6308.0
5°	6838.4	6838.4	6818.5	6784.3	6731.5	6715.8	6661.6	6588.9	6489.1	6347.9	6189.7
7.5°	6824.2	6827.0	6799.9	6764.3	6711.5	6697.3	6631.7	6550.4	6426.4	6255.3	6052.8
10°	6750.0	6757.2	6735.8	6718.7	6670.2	6654.5	6593.2	6511.9	6387.9	6205.4	5972.9
12.5°	6674.5	6681.6	6688.7	6704.4	6674.5	6668.8	6620.3	6551.8	6433.5	6243.9	5981.5
15°	6626.0	6640.2	6691.6	6752.9	6760.0	6754.3	6722.9	6658.8	6539.0	6342.2	6042.8
17.5°	6626.0	6648.8	6755.7	6872.7	6914.0	6918.3	6891.2	6801.4	6658.8	6447.8	6099.8
20°	6681.6	6713.0	6879.8	7045.2	7113.6	7113.6	7060.9	6935.4	6768.6	6543.3	6138.3
22.5°	6824.2	6865.5	7075.1	7266.2	7338.9	7323.2	7251.9	7069.4	6882.6	6651.7	6186.8
25°	7105.1	7136.4	7354.6	7547.1	7591.3	7555.7	7465.8	7232.0	7028.1	6798.5	6275.2
27.5°	7467.2	7471.5	7696.8	7859.4	7832.3	7808.0	7695.4	7435.9	7237.7	7008.1	6427.8
30°	7865.1	7865.1	8063.3	8187.3	8104.6	8084.6	7972.0	7682.6	7505.7	7293.3	6644.5
32.5°	8250.0	8267.2	8428.3	8506.7	8414.0	8394.1	8284.3	7994.8	7862.2	7728.2	6982.5
35°	8622.2	8635.0	8787.6	8830.4	8742.0	8747.7	8669.3	8424.0	8374.1	8357.0	7491.5
37.5°	8982.9	8985.8	9141.2	9168.3	9124.1	9172.6	9179.7	8963.0	9055.7	9194.0	8208.7
40°	9312.3	9315.2	9469.2	9539.0	9614.6	9677.3	9732.9	9617.5	9924.0	10244.8	9062.8
42.5°	9576.1	9606.0	9801.4	9934.0	10133.6	10253.4	10404.5	10398.8	10957.8	11439.7	10095.1
45°	9808.5	9859.8	10132.2	10364.6	10706.8	10897.9	11134.6	11319.9	12121.3	12770.0	11140.3
47.5°	10115.1	10163.6	10474.4	10855.1	11311.4	11562.3	11954.4	12355.1	13400.3	14076.1	12161.2
50°	10547.1	10525.7	10832.3	11378.4	11964.4	12293.8	12852.7	13453.0	14669.3	15214.0	12761.5
52.5°	11007.7	10999.1	11225.8	11947.3	12734.4	13119.4	13858.0	14588.0	15882.7	15998.2	13036.7
55°	11578.0	11516.7	11707.8	12596.1	13648.4	14061.9	14931.6	15711.6	16849.4	16440.2	13175.0
57.5°	12175.5	12074.2	12256.7	13319.0	14679.3	15168.3	16120.8	16806.7	17492.5	16742.5	13173.6
60°	12792.9	12673.1	12889.8	14223.0	15959.7	16525.8	17409.8	17546.7	18092.8	16895.1	13076.6
62.5°	13309.0	13237.7	13560.0	15189.7	17389.8	17945.9	18383.7	18219.7	18599.0	17013.4	12849.9
65°	13855.1	13859.4	14379.8	16317.6	18909.8	19284.8	19321.9	19092.3	19022.5	16989.2	12082.8
67.5°	14593.7	14662.2	15530.5	17849.0	20388.4	20677.9	20675.0	20037.7	19331.9	16025.3	10381.7
70°	15375.1	15536.2	16856.6	19601.4	22002.5	22296.2	22145.1	20639.4	18202.6	12958.3	7347.5
72.5°	15243.9	15523.4	17593.7	20706.4	23161.7	23385.6	22403.2	19160.8	14387.0	7531.4	3128.3
75°	11760.5	12084.2	16132.2	19611.3	21945.5	21744.4	19249.2	14910.3	7862.2	2101.7	704.4
77.5°	6212.5	6385.0	10656.9	14940.2	17111.8	16691.2	13560.0	8271.4	2396.9	520.4	316.5
80°	3253.8	3293.7	4644.0	8476.8	10561.4	10564.2	8036.2	3633.1	988.1	266.6	212.5
82.5°	1742.4	1776.6	2453.9	3916.8	5533.8	5016.2	3077.0	1999.1	574.6	151.1	203.9
85°	419.2	426.3	1391.6	1789.5	2175.9	1554.2	914.0	1678.2	155.4	88.4	165.4
87.5°	161.1	164.0	516.2	774.2	554.7	359.3	427.8	626.0	20.0	34.2	25.7
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°	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7	6313.7
2.5°	6251.0	6213.9	6122.7	6007.2	5904.5	5830.4	5719.1	5646.4	5597.9	5596.5	5578.0
5°	6092.7	6017.1	5820.4	5586.5	5374.1	5183.0	4957.7	4779.5	4646.9	4625.5	4579.9
7.5°	5923.0	5799.0	5496.7	5131.7	4775.2	4413.0	3992.4	3731.5	3507.6	3400.7	3389.3
10°	5819.0	5645.0	5215.8	4688.2	4129.3	3540.4	2990.0	2609.3	2334.1	2255.7	2197.3
12.5°	5797.6	5568.0	4999.1	4271.9	3473.4	2694.9	2086.0	1681.1	1461.5	1391.6	1373.1
15°	5819.0	5532.4	4816.6	3859.8	2809.0	1912.1	1400.2	1164.9	1082.2	1062.3	1060.8
17.5°	5831.8	5489.6	4609.8	3402.1	2164.5	1366.0	1072.2	1003.8	991.0	989.5	992.4
20°	5830.4	5424.0	4363.1	2891.7	1609.8	1073.7	969.6	955.3	952.5	953.9	952.5
22.5°	5820.4	5347.0	4092.2	2365.5	1216.3	959.6	925.4	916.8	915.4	915.4	915.4
25°	5838.9	5285.7	3794.2	1862.2	1002.4	906.8	885.5	878.3	876.9	876.9	874.1
27.5°	5905.9	5251.5	3467.7	1433.0	905.4	859.8	842.7	841.3	837.0	835.6	838.4
30°	6014.3	5251.5	3109.8	1115.0	847.0	811.3	798.5	795.6	794.2	792.8	794.2
32.5°	6205.4	5291.4	2719.1	926.8	791.4	757.1	748.6	752.9	748.6	748.6	748.6
35°	6550.4	5411.2	2309.9	808.5	732.9	704.4	695.8	701.5	698.7	698.7	697.2
37.5°	7053.7	5633.6	1897.8	737.2	681.6	651.6	640.2	648.8	645.9	645.9	644.5
40°	7666.9	5957.3	1505.7	683.0	631.7	600.3	590.3	594.6	587.5	587.5	590.3
42.5°	8424.0	6367.9	1163.5	630.2	581.8	551.8	546.1	541.8	529.0	521.9	523.3
45°	9265.3	6795.7	906.8	578.9	534.7	510.5	501.9	490.5	469.1	454.9	456.3
47.5°	10016.7	7125.0	737.2	529.0	491.9	473.4	460.6	439.2	407.8	390.7	392.1
50°	10411.7	7174.9	627.4	479.1	452.0	433.5	414.9	382.1	345.1	326.5	325.1
52.5°	10512.9	6941.1	546.1	433.5	412.1	390.7	366.4	322.2	280.9	260.9	258.1
55°	10550.0	6584.6	473.4	390.7	369.3	345.1	313.7	263.8	225.3	205.3	203.9
57.5°	10427.3	6052.8	416.4	352.2	326.5	296.6	258.1	211.0	174.0	158.3	158.3
60°	10155.0	5332.7	372.2	310.8	282.3	248.1	208.2	164.0	129.8	116.9	116.9
62.5°	9611.7	4400.2	330.8	268.1	241.0	205.3	168.3	124.1	91.3	84.1	85.6
65°	8586.6	3337.9	289.5	229.6	205.3	169.7	131.2	88.4	61.3	61.3	64.2
67.5°	7002.4	2318.5	246.7	195.3	176.8	138.3	99.8	61.3	42.8	48.5	54.2
70°	4635.5	1300.4	211.0	161.1	151.1	109.8	74.1	41.4	34.2	45.6	55.6
72.5°	1749.5	506.2	176.8	129.8	131.2	84.1	52.8	31.4	31.4	49.9	65.6
75°	487.6	248.1	126.9	95.5	102.7	61.3	38.5	27.1	29.9	57.0	77.0
77.5°	286.6	182.5	82.7	55.6	69.9	42.8	25.7	21.4	25.7	48.5	74.1
80°	231.0	97.0	48.5	28.5	38.5	24.2	17.1	12.8	7.1	18.5	38.5
82.5°	231.0	58.5	22.8	20.0	20.0	12.8	8.6	5.7	1.4	0.0	10.0
85°	155.4	24.2	14.3	12.8	10.0	4.3	2.9	1.4	0.0	0.0	0.0
87.5°	25.7	10.0	5.7	2.9	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)