

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: P192794

Luminaire Tested: **GAN-AF-06-LED-U-SL2-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24287)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL2-7030-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28520 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - 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: 28.75 FT



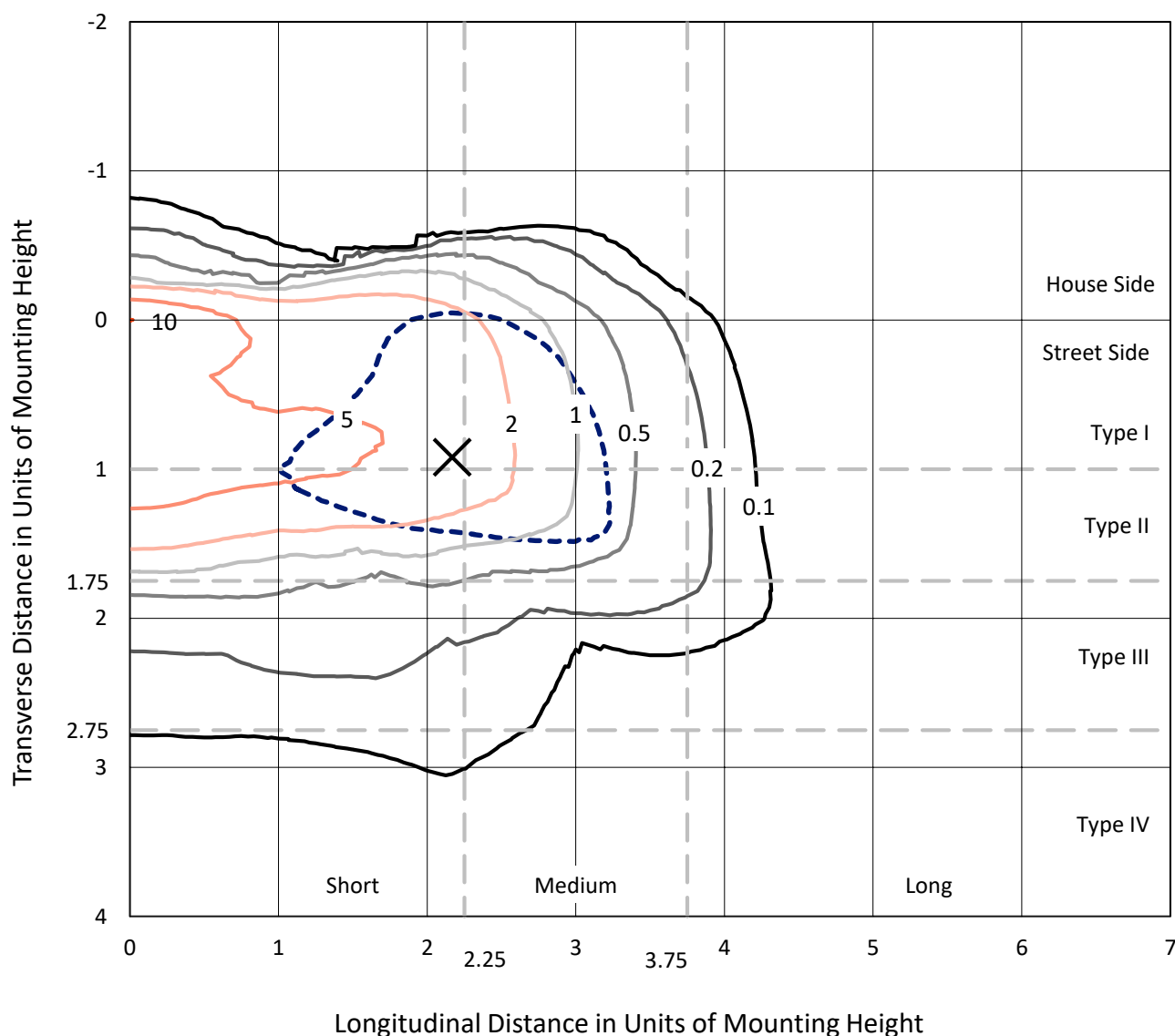
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

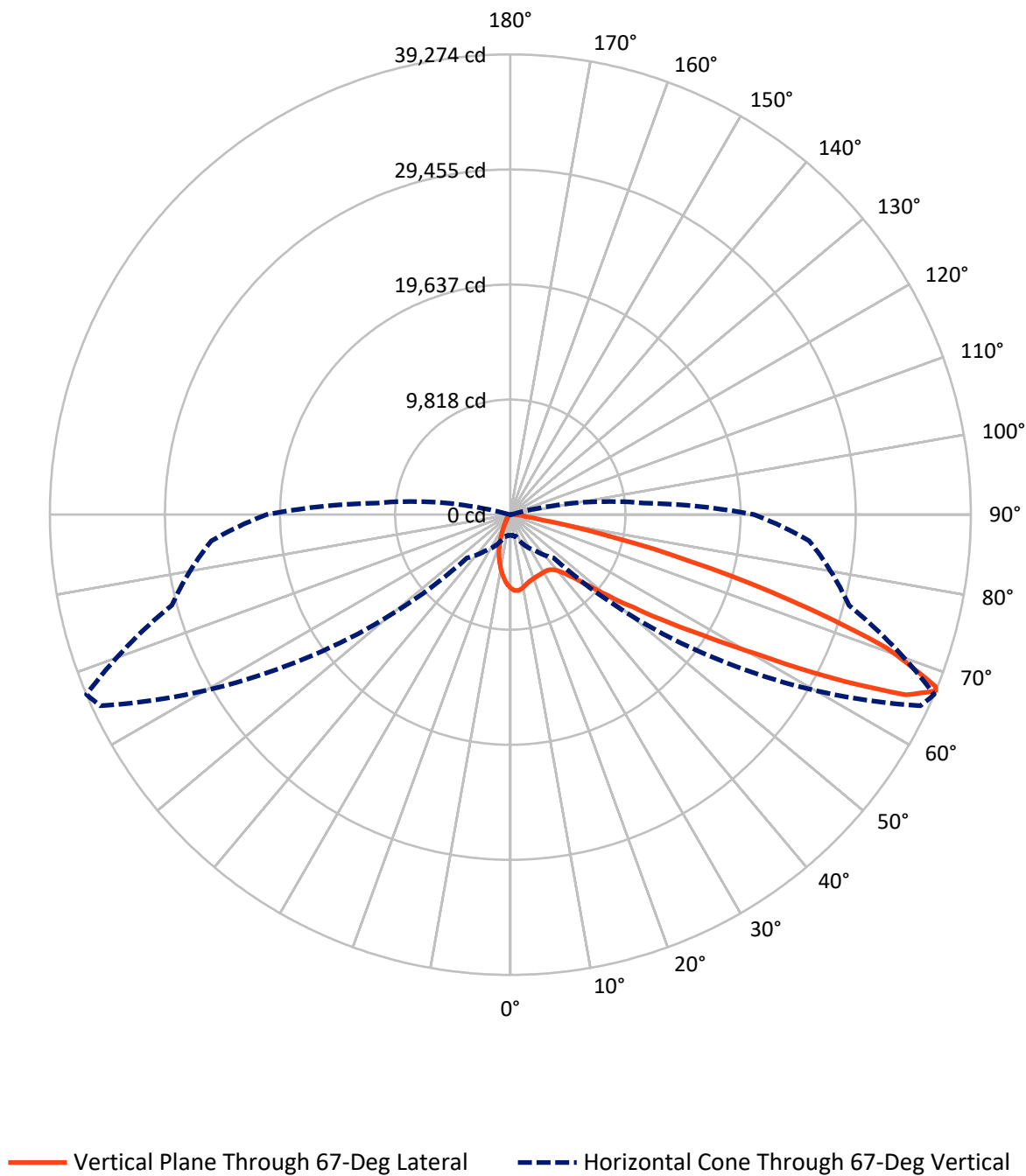


Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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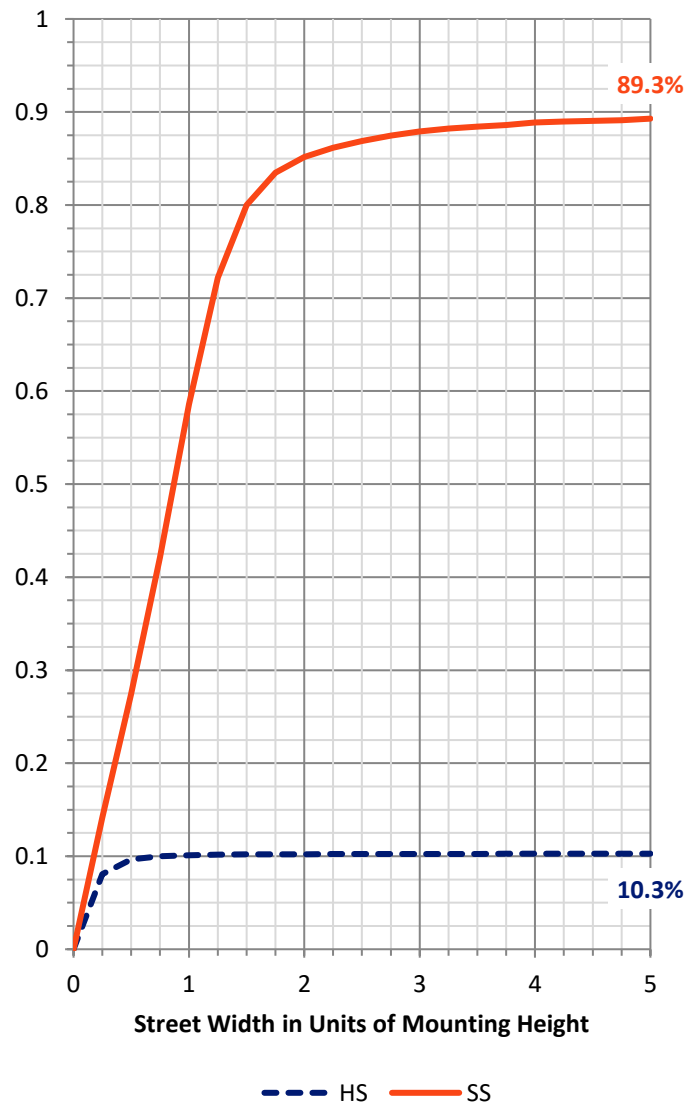
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2961.2	0.0	2961.2
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	25558.7	0.0	25558.7
	% Fixture	89.6	0.0	89.6
Total	Lumens	28520.0	0.0	28520.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.8	1.8
10°-20°	1089.3	3.8
20°-30°	1583.7	5.6
30°-40°	2470.6	8.7
40°-50°	4376.6	15.3
50°-60°	6925.6	24.3
60°-70°	7932.3	27.8
70°-80°	3290.3	11.5
80°-90°	339.9	1.2
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°	28520.0	100.0
0°-180°	28520.0	100.0

Coefficient of Utilization



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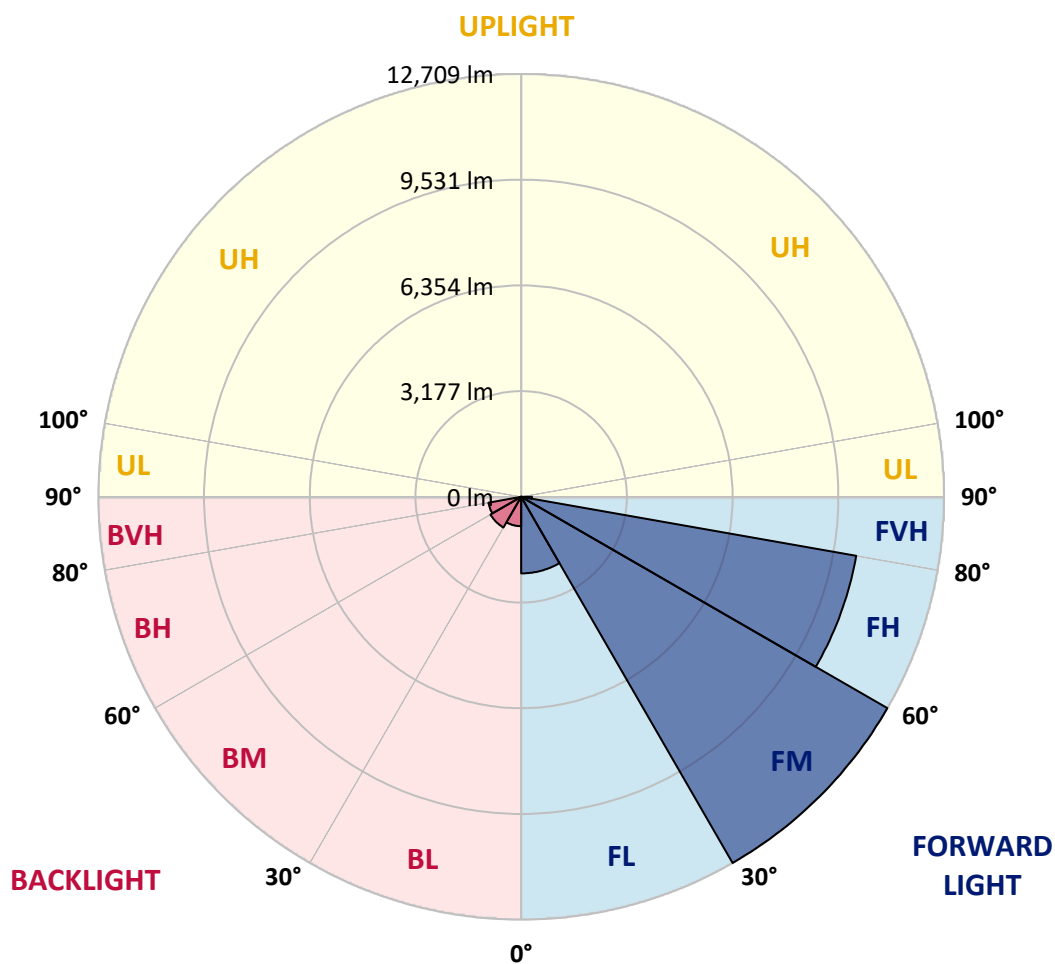
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2301.1	8.1			
FM	(30°-60°)	12708.6	44.6			
FH	(60°-80°)	10224.5	35.9			G4/12000
FVH	(80°-90°)	324.6	1.1			G3/500
BL	(0°-30°)	883.6	3.1	B2/1000		
BM	(30°-60°)	1064.3	3.7	B2/2500		
BH	(60°-80°)	998.0	3.5	B2/1000		G2/1000
BVH	(80°-90°)	15.3	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7
2.5°	6502.7	6515.9	6514.2	6524.3	6547.6	6549.2	6525.9	6481.0	6471.0	6412.8	6311.4
5°	5996.9	6035.2	6058.4	6153.3	6259.8	6387.9	6484.3	6519.3	6514.2	6472.7	6319.7
7.5°	5419.7	5457.9	5484.6	5596.0	5737.4	5957.1	6208.2	6414.5	6432.7	6477.7	6313.0
10°	5035.4	5042.1	5078.7	5185.1	5333.2	5557.8	5857.2	6218.2	6273.1	6437.8	6296.4
12.5°	4719.4	4724.4	4772.6	4887.3	5045.4	5271.6	5586.0	6003.6	6088.4	6387.9	6293.0
15°	4494.8	4513.1	4556.3	4676.1	4844.1	5068.6	5391.4	5845.6	5947.0	6369.6	6323.0
17.5°	4420.0	4439.9	4453.2	4539.7	4692.6	4912.3	5243.4	5742.4	5857.2	6379.5	6381.2
20°	4498.1	4513.1	4483.1	4504.8	4599.6	4795.8	5118.6	5654.2	5790.6	6391.1	6456.0
22.5°	4789.3	4795.8	4714.3	4619.6	4602.9	4711.0	5020.5	5584.3	5730.7	6422.8	6544.2
25°	5288.2	5276.6	5143.6	4938.9	4746.0	4696.1	4962.2	5541.1	5700.8	6456.0	6635.8
27.5°	5890.5	5907.1	5724.1	5426.4	5058.7	4795.8	4954.0	5522.8	5687.5	6479.3	6715.5
30°	6622.4	6645.7	6436.1	6061.8	5534.4	5042.1	5030.4	5519.4	5679.2	6464.4	6722.1
32.5°	7369.3	7397.6	7232.9	6846.9	6170.0	5454.7	5203.5	5556.1	5695.8	6412.8	6683.9
35°	8151.2	8191.0	8081.3	7750.3	7031.6	6050.1	5507.9	5667.6	5774.1	6407.8	6645.7
37.5°	9230.8	9267.4	9061.1	8710.1	8074.6	6848.6	5996.9	5877.2	5958.7	6487.7	6655.6
40°	10842.7	10837.8	10305.5	9768.1	9220.8	7863.4	6683.9	6256.4	6298.0	6728.8	6778.8
42.5°	12599.3	12591.0	11804.3	10987.4	10493.4	9112.7	7587.2	6911.8	6883.6	7173.0	7098.1
45°	13953.5	13951.8	13309.6	12389.8	12025.4	10546.6	8755.1	7823.4	7780.3	7895.0	7687.1
47.5°	14530.7	14540.7	14217.9	13570.9	13723.8	12486.2	10227.2	9144.2	9079.5	9032.8	8716.7
50°	14081.6	14101.5	14128.1	14001.7	14969.8	15093.0	12201.7	11005.6	10974.1	10766.2	10272.1
52.5°	12614.3	12715.8	13028.5	13429.5	15402.4	17594.9	15297.6	13318.0	13148.4	12927.1	12383.1
55°	10142.3	10253.9	10847.7	11820.9	14758.6	19238.4	19636.0	16299.0	16016.2	15355.8	14570.6
57.5°	6712.3	6885.2	7746.9	8984.6	12888.8	19502.9	23964.4	20436.1	19451.3	17643.0	16758.0
60°	3698.0	3864.3	4799.2	5920.4	9309.0	18195.4	26875.6	25822.6	24082.5	20199.9	19414.8
62.5°	2277.3	2367.2	3057.5	4100.5	5582.7	14361.0	27477.7	32591.4	30576.9	23492.0	22623.7
65°	1813.2	1851.5	2189.1	3352.0	4002.3	8542.1	25533.2	37751.5	37079.5	27477.7	25496.5
67°	1759.9	1774.9	1934.7	2877.9	3772.8	5236.7	21391.0	38591.6	39273.6	29889.8	25586.4
67.5°	1771.6	1788.2	1939.7	2746.4	3766.1	4812.6	19963.7	38260.5	39122.3	30081.2	25188.7
70°	1708.4	1759.9	2220.8	2744.8	3581.5	3999.1	11955.5	33150.3	34047.0	27950.1	21372.6
72.5°	605.6	608.8	959.9	2220.8	3894.2	4042.3	6003.6	24302.1	24965.8	21381.0	15409.1
75°	359.4	306.0	319.4	632.2	3721.3	3925.9	3463.4	15528.8	15776.6	12251.7	7803.6
77.5°	247.9	216.3	222.9	279.4	1417.3	3870.9	2751.4	8098.0	7833.5	4296.8	1661.9
80°	141.4	124.8	133.1	244.5	515.7	3611.4	2595.0	3283.8	2799.7	728.6	459.1
82.5°	74.9	63.3	76.5	201.2	359.4	2250.7	2600.1	1587.0	1257.6	246.2	312.7
85°	26.7	21.7	36.6	138.1	239.5	690.3	2410.4	1334.2	1048.1	119.7	237.8
87.5°	5.0	5.0	15.0	56.6	96.4	211.3	1425.7	791.8	530.7	71.6	163.1
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°	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7	6289.7
2.5°	6269.8	6198.2	6101.7	5983.6	5843.8	5720.9	5629.2	5534.4	5514.6	5481.2	5476.3
5°	6228.1	6105.1	5865.5	5591.1	5298.2	5033.8	4819.2	4627.9	4543.0	4469.8	4461.5
7.5°	6166.6	5982.0	5574.4	5131.9	4674.4	4258.6	3905.9	3656.4	3426.8	3317.0	3300.4
10°	6095.0	5830.6	5246.7	4632.8	4000.7	3413.5	2889.5	2450.3	2184.2	2026.1	2006.2
12.5°	6028.5	5682.6	4912.3	4115.5	3275.5	2490.2	1816.6	1397.3	1117.8	1004.7	991.4
15°	5996.9	5562.7	4599.6	3586.6	2516.9	1585.4	993.0	768.5	677.1	650.4	648.8
17.5°	5993.6	5461.4	4293.5	3039.3	1763.3	921.6	647.2	590.5	572.2	565.6	565.6
20°	5991.9	5364.8	3987.4	2472.0	1119.6	613.8	538.9	525.6	512.3	504.0	504.0
22.5°	6010.3	5278.4	3668.1	1893.0	705.4	497.3	474.0	460.7	444.1	432.5	430.8
25°	6028.5	5211.7	3342.0	1347.3	510.7	432.5	409.1	390.9	367.6	352.7	351.0
27.5°	6031.8	5128.6	2992.6	901.6	427.5	377.6	347.7	319.4	292.9	277.8	276.1
30°	5982.0	4988.9	2605.1	608.8	377.6	327.7	287.8	257.9	232.9	221.2	221.2
32.5°	5883.8	4815.8	2179.1	459.1	336.1	281.2	237.8	209.6	193.0	187.9	186.3
35°	5795.6	4629.6	1741.7	389.3	301.1	237.8	194.6	176.4	166.4	164.7	163.1
37.5°	5744.1	4479.8	1330.8	352.7	267.8	199.6	164.7	151.4	146.4	143.0	144.8
40°	5783.9	4355.1	983.2	322.8	234.6	166.4	139.8	133.1	128.1	126.4	126.4
42.5°	5958.7	4333.4	730.3	296.1	202.9	138.1	121.4	116.5	113.1	111.5	113.1
45°	6417.8	4466.5	567.3	271.2	171.3	116.5	103.1	101.5	99.9	99.9	99.9
47.5°	7108.2	4741.0	472.4	242.9	143.0	99.9	89.8	88.2	86.6	88.2	88.2
50°	8277.6	5243.4	422.5	214.5	118.1	84.7	76.5	76.5	76.5	76.5	78.2
52.5°	10055.9	6231.5	389.3	186.3	96.4	71.6	64.9	64.9	66.5	66.5	68.2
55°	12037.1	7542.2	359.4	158.0	81.5	59.9	53.2	54.8	56.6	58.2	58.2
57.5°	14186.3	8994.6	334.4	129.8	69.8	48.3	44.9	46.6	48.3	51.6	51.6
60°	16779.7	10566.6	297.7	101.5	58.2	38.2	35.0	38.2	43.2	46.6	48.3
62.5°	19627.7	12087.1	251.2	79.9	48.3	29.9	28.3	35.0	41.6	44.9	46.6
65°	21574.0	12564.4	193.0	64.9	36.6	21.7	23.3	31.5	39.9	44.9	44.9
67°	20785.5	11391.7	158.0	54.8	29.9	16.6	21.7	31.5	39.9	43.2	44.9
67.5°	20238.2	10932.5	151.4	53.2	28.3	16.6	21.7	31.5	39.9	44.9	44.9
70°	16467.0	8212.7	126.4	39.9	23.3	15.0	18.2	29.9	38.2	43.2	43.2
72.5°	11441.5	5063.7	113.1	28.3	20.0	13.3	16.6	28.3	36.6	41.6	43.2
75°	5439.7	1833.2	96.4	21.7	18.2	11.7	15.0	28.3	36.6	41.6	41.6
77.5°	1109.5	425.9	78.2	18.2	15.0	11.7	13.3	26.7	35.0	39.9	39.9
80°	364.3	164.7	58.2	16.6	15.0	11.7	13.3	24.9	35.0	38.2	39.9
82.5°	262.9	83.1	38.2	16.6	15.0	11.7	11.7	24.9	33.4	38.2	38.2
85°	201.2	58.2	24.9	16.6	15.0	11.7	11.7	23.3	31.5	36.6	36.6
87.5°	133.1	23.3	20.0	16.6	15.0	11.7	11.7	23.3	29.9	35.0	36.6
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)