

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: P323130

Luminaire Tested: **GAN-SA6C-727-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-727-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 29304 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

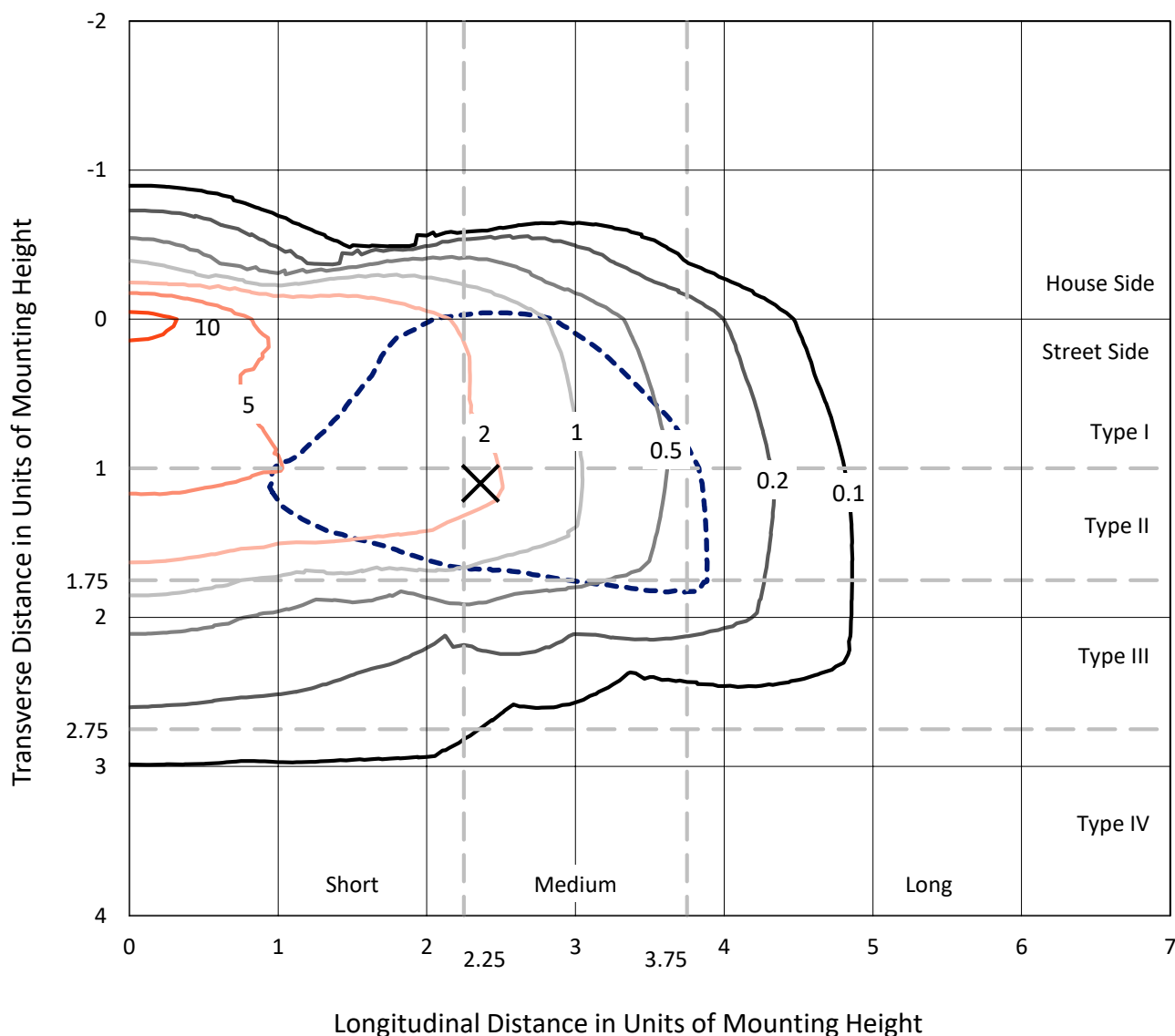
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

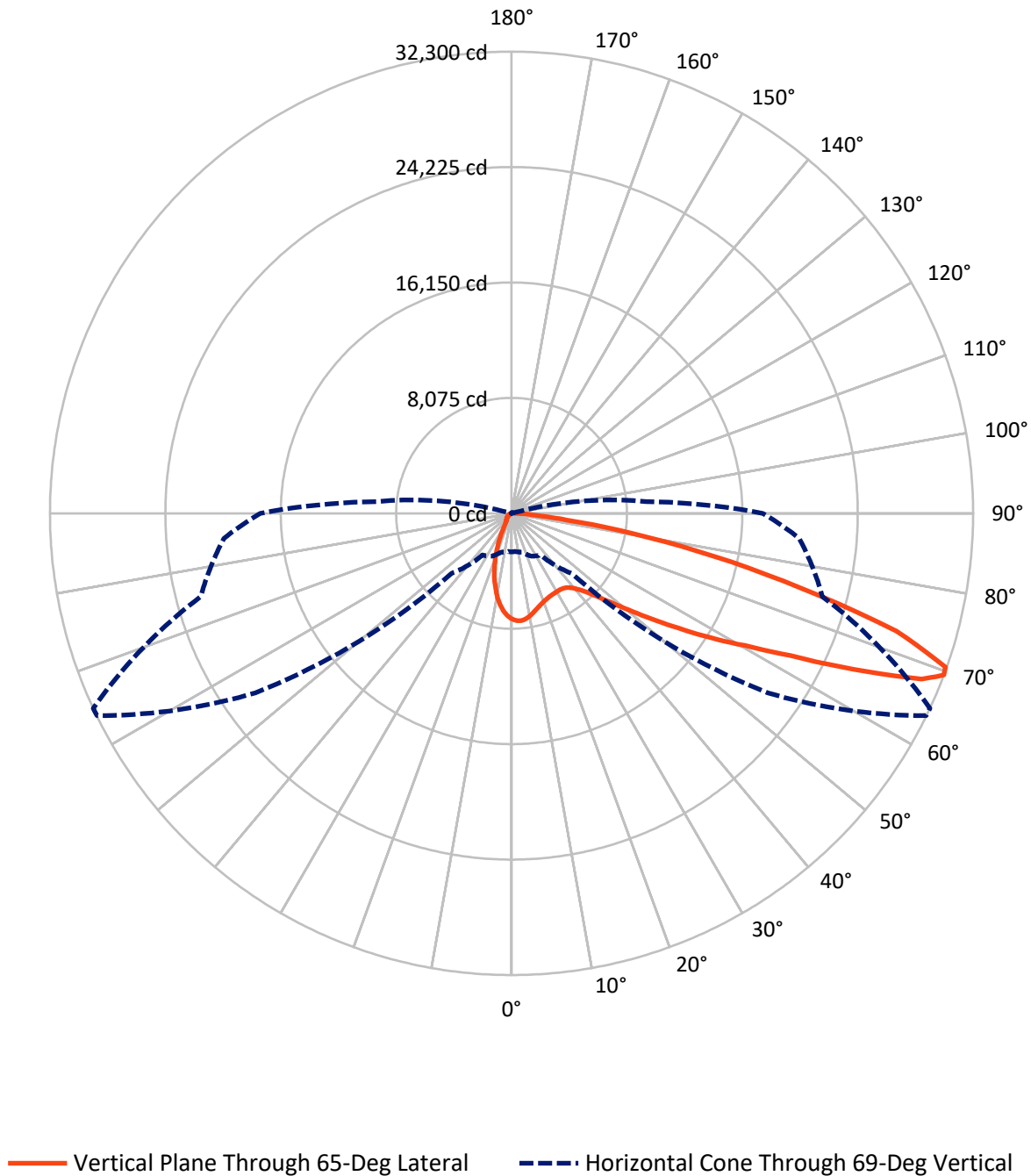
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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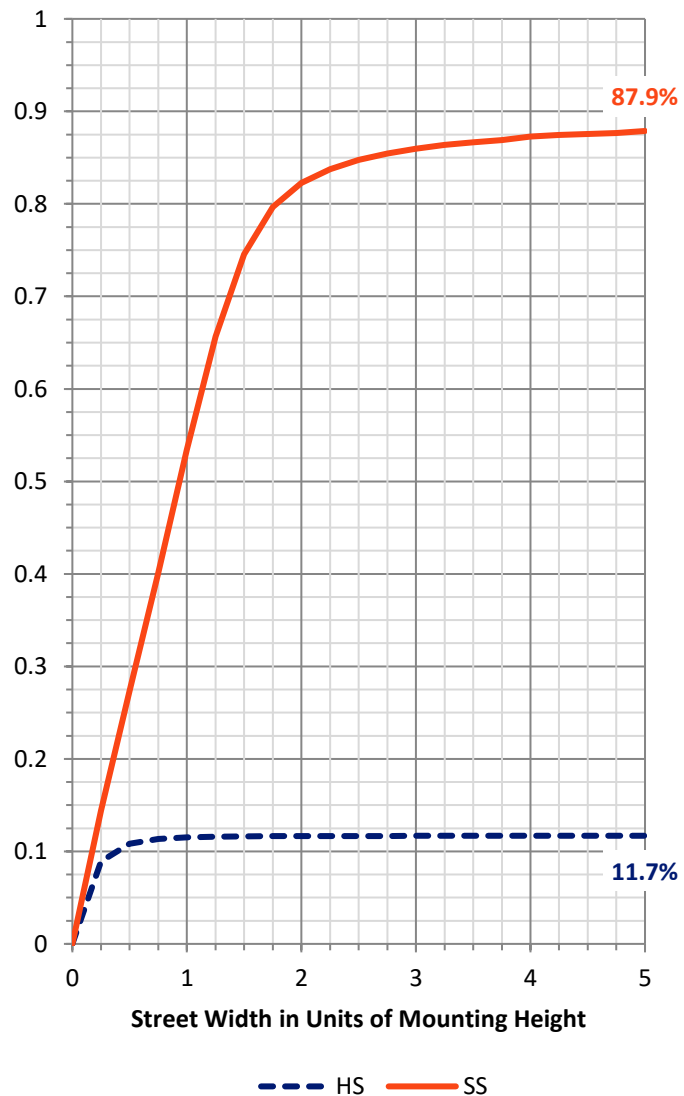
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3454.2	0.0	3454.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	25849.8	0.0	25849.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	29304.0	0.0	29304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.2	2.1
10°-20°	1355.5	4.6
20°-30°	1877.4	6.4
30°-40°	2617.7	8.9
40°-50°	4068.8	13.9
50°-60°	6532.1	22.3
60°-70°	7388.8	25.2
70°-80°	4339.5	14.8
80°-90°	504.8	1.7
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°	29304.0	100.0
0°-180°	29304.0	100.0

Coefficient of Utilization



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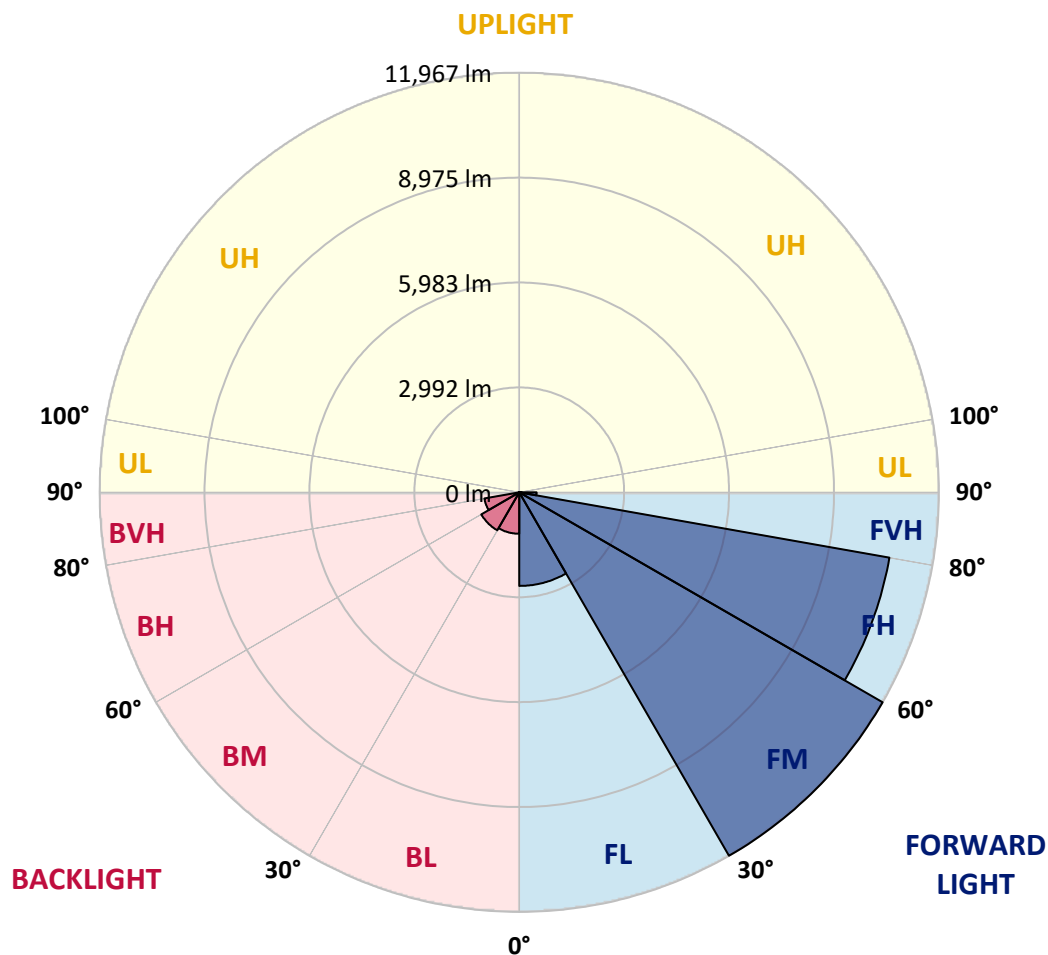
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2670.3	9.1			
FM	(30°-60°)	11966.9	40.8			
FH	(60°-80°)	10719.1	36.6			G4/12000
FVH	(80°-90°)	493.4	1.7			G3/500
BL	(0°-30°)	1181.9	4.0	B3/2500		
BM	(30°-60°)	1251.7	4.3	B2/2500		
BH	(60°-80°)	1009.3	3.4	B3/2500		G3/2500
BVH	(80°-90°)	11.4	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2
2.5°	7470.9	7452.3	7467.2	7499.4	7515.5	7515.5	7527.9	7513.1	7518.0	7482.1	7430.0
5°	7003.4	6974.9	7015.8	7106.3	7217.9	7313.4	7454.8	7529.2	7536.6	7537.9	7477.1
7.5°	6500.0	6473.9	6534.7	6641.3	6785.2	6962.5	7209.3	7425.0	7437.4	7554.0	7509.3
10°	6090.8	6072.2	6142.9	6256.9	6425.6	6624.0	6926.5	7226.6	7262.6	7520.5	7504.4
12.5°	5765.9	5751.0	5818.0	5949.4	6121.8	6341.3	6657.5	7005.9	7054.3	7444.9	7479.6
15°	5529.1	5526.6	5582.4	5708.9	5899.8	6104.4	6428.1	6801.3	6857.1	7363.0	7475.9
17.5°	5405.1	5408.8	5449.7	5557.6	5721.3	5924.6	6234.6	6628.9	6689.7	7289.9	7494.5
20°	5392.7	5396.4	5418.7	5479.5	5612.2	5792.0	6077.2	6483.9	6547.1	7235.3	7524.2
22.5°	5501.8	5499.3	5505.5	5499.3	5573.7	5710.1	5973.0	6372.3	6445.4	7199.3	7547.8
25°	5711.4	5707.6	5705.2	5659.3	5609.7	5682.8	5929.6	6309.0	6378.5	7173.3	7561.4
27.5°	6002.8	6000.3	5996.6	5920.9	5772.1	5726.2	5934.6	6285.5	6343.7	7152.2	7558.9
30°	6385.9	6403.3	6398.3	6292.9	6061.0	5858.9	5986.6	6273.1	6323.9	7111.3	7532.9
32.5°	6836.0	6870.7	6898.0	6785.2	6495.0	6121.8	6106.9	6286.7	6323.9	7080.3	7485.8
35°	7303.5	7348.1	7448.6	7408.9	7027.0	6517.3	6314.0	6368.5	6399.5	7097.7	7463.5
37.5°	7763.5	7816.8	8035.1	8150.4	7723.8	7040.6	6636.4	6570.7	6586.8	7203.1	7488.3
40°	8298.0	8378.6	8709.6	8895.6	8555.9	7741.2	7118.7	6917.9	6924.1	7434.9	7603.6
42.5°	8999.8	9082.9	9441.2	9732.6	9493.3	8626.6	7773.4	7448.6	7442.4	7868.9	7875.1
45°	9855.4	9942.2	10312.9	10636.6	10528.7	9675.6	8611.7	8223.6	8216.1	8553.4	8389.7
47.5°	10825.0	10910.6	11241.7	11575.2	11691.8	10900.7	9679.3	9281.3	9263.9	9504.5	9184.5
50°	11657.1	11712.9	12017.9	12466.8	12992.5	12406.0	11007.3	10624.2	10605.6	10768.0	10351.4
52.5°	11959.6	11991.9	12301.9	12930.5	14242.4	14444.5	12752.0	12258.5	12244.8	12315.5	11905.1
55°	11347.1	11405.4	11786.0	12718.5	14919.5	16748.4	14954.2	14282.1	14179.2	14026.7	13529.4
57.5°	9678.1	9771.1	10180.3	11420.2	14603.3	18576.2	18190.5	16571.1	16419.8	15487.4	14850.0
60°	7251.4	7365.5	7705.2	9043.2	12915.7	19227.2	21727.0	19121.8	18780.8	16650.5	16064.0
62.5°	4976.0	5033.1	5263.7	6135.4	9511.9	18160.8	24685.6	22537.9	21915.4	17915.3	17377.1
65°	3800.5	3820.4	3914.6	4214.7	5664.2	14752.1	25862.3	27045.2	26292.6	19428.0	18739.8
67.5°	3062.8	3046.6	3176.8	3605.9	3793.1	8999.8	24489.6	31309.5	30957.4	21450.4	20111.3
69°	2700.7	2678.4	2811.0	3309.5	3562.5	5949.4	21893.1	32278.0	32300.3	22518.1	20205.5
70°	2430.4	2445.2	2576.7	3133.4	3484.3	4669.8	19413.2	32031.2	32207.3	22917.3	19640.1
72.5°	1623.1	1662.8	1926.9	2601.5	3350.4	3533.9	11721.5	27486.7	28163.7	22018.4	16850.1
75°	915.1	944.9	1258.6	1961.7	3157.0	3365.3	6191.2	20250.1	20904.9	18412.5	12993.8
77.5°	448.9	465.0	711.7	1266.0	2639.9	3206.6	3511.6	13755.1	14502.8	12017.9	7349.4
80°	189.7	198.4	355.9	781.2	1887.3	3060.3	2607.7	8465.4	8558.4	4708.2	1957.9
82.5°	73.2	75.6	150.0	487.3	1199.1	2385.7	2181.1	4013.8	3917.1	886.6	446.4
85°	8.7	9.9	54.6	292.6	667.1	1227.6	1771.9	1729.8	1600.8	176.1	229.4
87.5°	0.0	0.0	3.7	89.3	198.4	575.4	921.3	717.9	647.3	57.0	119.0
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°	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2	7405.2
2.5°	7386.6	7374.2	7307.2	7210.5	7118.7	7004.7	6895.5	6829.8	6777.7	6743.0	6783.9
5°	7406.4	7351.9	7148.5	6888.1	6632.7	6345.0	6077.2	5850.2	5761.0	5661.8	5706.4
7.5°	7400.2	7297.3	6931.5	6467.7	5999.0	5514.2	5055.4	4702.0	4518.5	4338.7	4384.6
10°	7369.2	7195.6	6641.3	5954.4	5252.6	4555.7	3904.7	3410.0	3133.4	2883.0	2918.9
12.5°	7301.0	7059.2	6299.1	5366.6	4428.0	3509.1	2746.6	2112.9	1773.2	1623.1	1641.7
15°	7260.1	6926.5	5937.0	4771.5	3547.6	2444.0	1678.9	1248.7	1093.7	1044.1	1050.3
17.5°	7240.3	6798.8	5562.6	4090.7	2647.4	1556.2	1085.0	957.3	923.8	915.1	917.6
20°	7220.4	6669.9	5176.9	3417.4	1824.0	1046.5	891.5	854.3	841.9	830.8	833.3
22.5°	7186.9	6545.9	4762.8	2735.4	1230.1	849.4	803.5	767.5	741.5	727.9	730.3
25°	7146.0	6415.7	4339.9	2037.3	897.7	757.6	714.2	663.4	632.4	607.6	608.8
27.5°	7080.3	6255.7	3903.5	1483.0	753.9	678.3	620.0	564.2	512.1	483.6	483.6
30°	6988.5	6074.7	3418.6	1061.4	675.8	600.2	529.5	460.0	404.2	378.2	375.7
32.5°	6886.9	5886.2	2928.8	804.7	613.8	527.0	446.4	373.2	323.6	302.6	301.3
35°	6800.1	5682.8	2440.3	674.6	551.8	456.3	368.3	306.3	266.6	249.2	248.0
37.5°	6744.3	5479.5	1964.1	602.6	496.0	390.6	308.8	253.0	224.4	210.8	209.6
40°	6735.6	5328.2	1528.9	548.1	443.9	332.3	257.9	214.5	188.5	173.6	172.4
42.5°	6848.4	5241.4	1173.0	502.2	390.6	281.5	219.5	183.5	156.2	141.4	140.1
45°	7144.8	5268.7	902.7	461.3	337.3	238.1	186.0	152.5	127.7	116.6	114.1
47.5°	7685.4	5457.2	717.9	420.4	286.4	202.1	158.7	126.5	105.4	94.2	93.0
50°	8647.6	5899.8	600.2	375.7	239.3	172.4	131.4	102.9	85.6	75.6	74.4
52.5°	9924.8	6688.5	535.7	332.3	198.4	146.3	107.9	81.8	67.0	59.5	58.3
55°	11333.4	7643.2	493.5	285.2	162.4	121.5	85.6	64.5	52.1	45.9	43.4
57.5°	12708.6	8470.3	453.8	239.3	135.2	99.2	68.2	50.8	40.9	34.7	33.5
60°	13972.1	9230.4	408.0	192.2	110.4	78.1	53.3	39.7	32.2	26.0	26.0
62.5°	15324.9	9818.2	344.7	150.0	90.5	59.5	43.4	36.0	26.0	22.3	21.1
65°	16758.4	10254.7	270.3	116.6	70.7	44.6	36.0	37.2	21.1	16.1	14.9
67.5°	17817.3	10167.9	199.6	91.8	54.6	34.7	34.7	39.7	18.6	12.4	11.2
69°	17584.2	9462.3	167.4	79.4	47.1	29.8	32.2	39.7	17.4	11.2	9.9
70°	16908.4	8681.1	147.6	70.7	42.2	27.3	31.0	38.4	16.1	11.2	9.9
72.5°	14081.2	6538.4	115.3	53.3	33.5	22.3	26.0	33.5	16.1	11.2	8.7
75°	10591.9	4184.9	88.0	38.4	24.8	17.4	19.8	24.8	16.1	9.9	8.7
77.5°	5763.4	1509.1	63.2	26.0	17.4	13.6	13.6	18.6	14.9	7.4	5.0
80°	1481.8	379.4	39.7	17.4	13.6	9.9	8.7	12.4	8.7	1.2	0.0
82.5°	365.8	85.6	21.1	12.4	9.9	3.7	3.7	6.2	3.7	0.0	0.0
85°	200.9	42.2	13.6	8.7	5.0	0.0	0.0	1.2	0.0	0.0	0.0
87.5°	102.9	12.4	3.7	2.5	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)