

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: P458115

Luminaire Tested: **GLAN-SA9C-730-U-SL3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9C-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48015 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 481
Input Voltage (V): NR
Input Current (A_{in}): 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

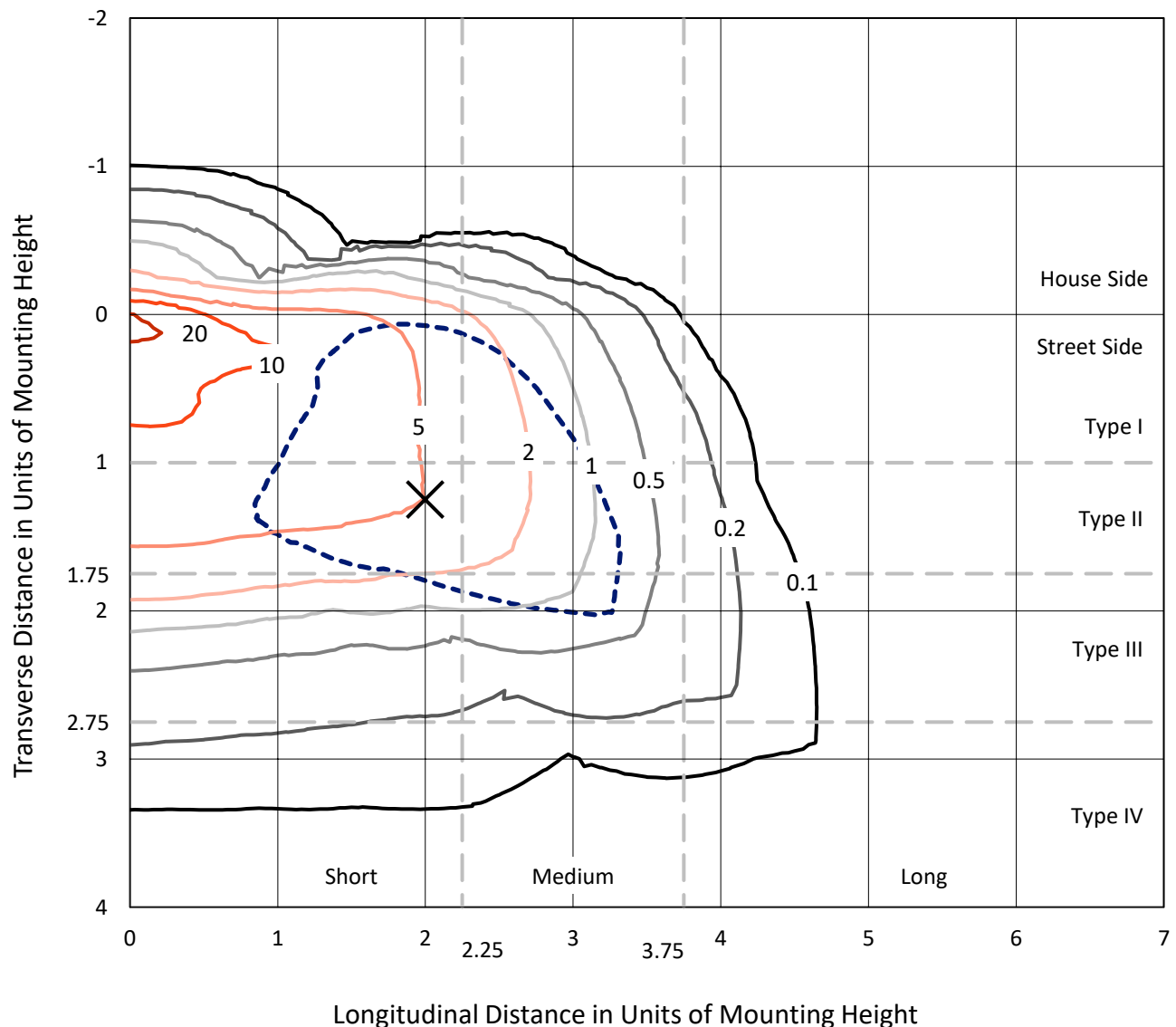


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Iso-Footcandle Lines of Horizontal Illumination

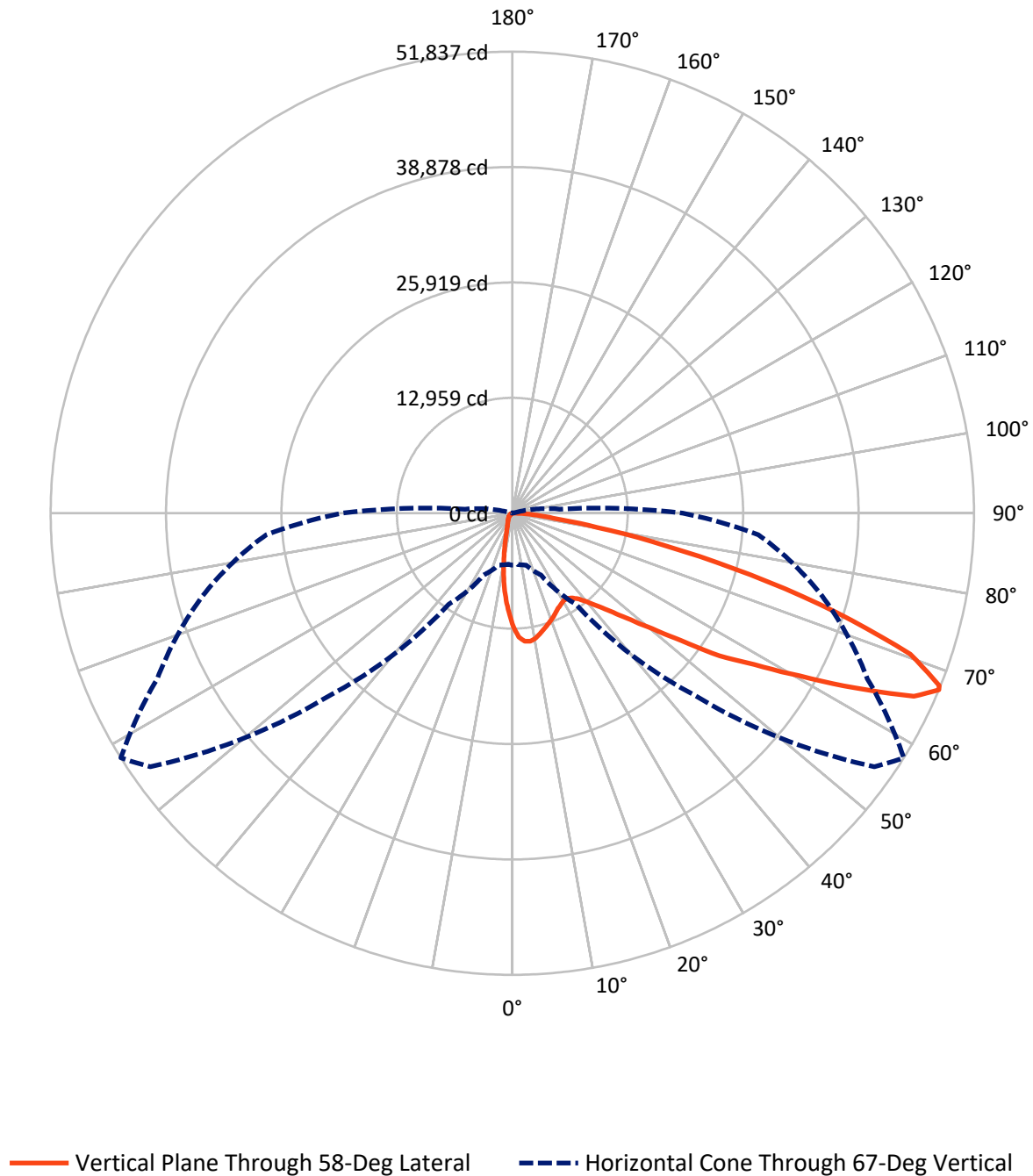
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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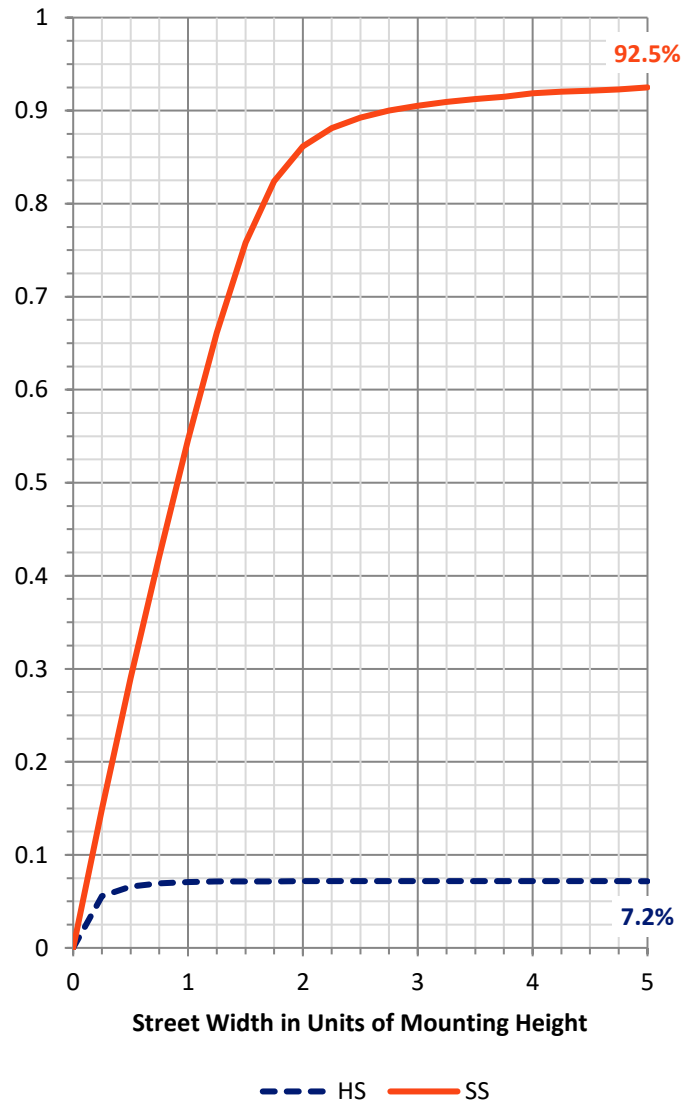
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3465.0	0.0	3465.0
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	44550.0	0.0	44550.0
	% Fixture	92.8	0.0	92.8
Total	Lumens	48015.0	0.0	48015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1032.9	2.2
10°-20°	2230.8	4.6
20°-30°	3022.8	6.3
30°-40°	4192.5	8.7
40°-50°	6686.5	13.9
50°-60°	11558.3	24.1
60°-70°	13203.1	27.5
70°-80°	5504.5	11.5
80°-90°	583.6	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°	48015.0	100.0
0°-180°	48015.0	100.0

Coefficient of Utilization



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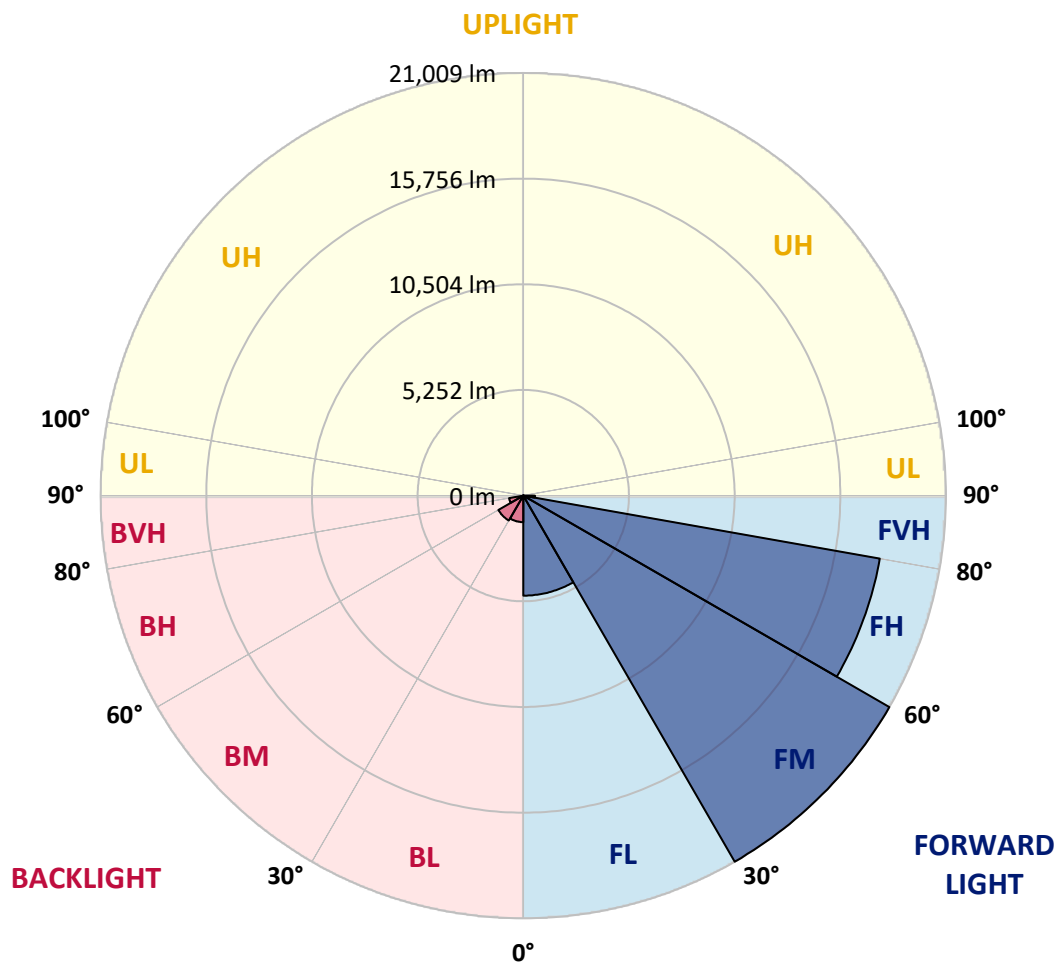
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4970.7	10.4			
FM	(30°-60°)	21008.6	43.8			
FH	(60°-80°)	17991.3	37.5			G5
FVH	(80°-90°)	579.4	1.2			G4/750
BL	(0°-30°)	1315.8	2.7	B3/2500		
BM	(30°-60°)	1428.7	3.0	B2/2500		
BH	(60°-80°)	716.3	1.5	B2/1000		G2/1000
BVH	(80°-90°)	4.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3
2.5°	14772.2	14794.6	14711.2	14643.8	14470.6	14284.5	14037.4	13905.9	13681.3	13293.0	12863.1
5°	15118.7	15147.6	15134.8	15118.7	15051.3	14871.6	14557.2	14441.7	14111.2	13479.1	12702.7
7.5°	14348.7	14454.5	14467.4	14592.5	14711.2	14727.3	14608.5	14521.9	14217.1	13475.9	12417.1
10°	13328.3	13398.9	13501.6	13646.0	13931.5	14169.0	14284.5	14271.7	14095.2	13376.5	12083.4
12.5°	12298.4	12336.9	12494.1	12741.2	13090.9	13495.2	13803.2	13864.2	13867.4	13257.7	11804.3
15°	11412.8	11396.8	11518.7	11804.3	12295.2	12802.1	13354.0	13450.3	13604.3	13142.2	11544.4
17.5°	10655.6	10739.0	10758.3	11072.7	11525.1	12182.9	12885.6	13055.6	13363.6	13042.8	11329.4
20°	10187.2	10232.1	10273.8	10450.3	10857.7	11550.8	12446.0	12680.2	13139.0	12952.9	11088.8
22.5°	10049.2	10078.1	10042.8	10097.3	10386.1	11002.1	11967.9	12279.1	12924.1	12869.5	10893.0
25°	10155.1	10184.0	10100.5	10036.4	10135.8	10556.1	11505.9	11884.5	12750.8	12853.5	10745.4
27.5°	10411.8	10466.3	10350.8	10235.3	10177.5	10315.5	11143.3	11582.9	12632.1	12930.5	10678.1
30°	10812.8	10844.9	10758.3	10617.1	10485.6	10347.6	10954.0	11374.3	12600.0	13110.2	10671.7
32.5°	11249.2	11316.6	11268.4	11175.4	11005.3	10678.1	11008.6	11380.7	12677.0	13370.0	10751.9
35°	11788.2	11865.2	11910.2	11890.9	11672.7	11265.2	11355.1	11669.5	12882.3	13848.1	10970.0
37.5°	12317.6	12385.0	12638.5	12725.1	12532.6	12147.6	12028.9	12237.4	13334.8	14473.8	11364.7
40°	12924.1	13013.9	13370.0	13700.5	13607.5	13203.2	12985.0	13158.3	14027.8	15417.1	12112.3
42.5°	13504.8	13665.2	14207.5	14791.4	14878.1	14425.7	14281.3	14339.0	15054.5	16774.3	13155.1
45°	14329.4	14480.2	15179.7	15972.2	16379.7	16026.7	15879.1	15869.5	16463.1	18683.4	14846.0
47.5°	15519.8	15654.5	16479.1	17262.0	17987.2	18035.3	17756.1	17852.4	18234.2	20916.6	16918.7
50°	16979.7	17297.3	17839.6	18654.5	19623.5	20406.4	20493.0	20364.7	20692.0	23502.7	19408.5
52.5°	19100.5	19222.4	19719.8	20390.4	21526.2	22854.5	23884.5	23708.0	23605.3	25966.8	21924.1
55°	20682.3	20846.0	21619.2	22540.1	24205.3	25957.2	28190.4	28251.3	26955.1	28334.7	24385.0
57.5°	20204.3	20454.5	21625.7	23477.0	27138.0	30340.1	32002.1	32043.8	30054.5	30635.3	27163.6
60°	17749.7	17868.4	19546.5	22017.1	27388.2	35088.8	37408.5	37071.6	33208.5	33208.5	29618.2
62.5°	12587.2	12773.3	14133.7	17769.0	24734.7	36737.9	43883.4	43187.1	37552.9	35669.5	31081.3
65°	8043.8	7864.2	8765.8	11217.1	18426.7	34302.7	49520.8	49562.5	41640.6	36654.5	30282.3
67°	5826.7	5756.1	6016.0	7668.4	12494.1	28835.3	49639.5	51837.4	43989.3	36032.1	27728.3
67.5°	5329.4	5384.0	5573.3	6917.6	11351.9	26239.6	49100.5	51702.6	44518.7	35656.7	26804.3
70°	4039.6	3946.5	4151.9	4893.0	6805.3	16552.9	42237.4	47419.2	43860.9	31931.5	21417.1
72.5°	2971.1	2961.5	3247.1	4001.1	5239.6	8817.1	31706.9	38021.4	35833.1	24314.4	13485.6
75°	2005.3	2095.2	2550.8	3343.3	4748.7	5717.6	21616.0	27583.9	24875.9	13806.4	5512.3
77.5°	1142.2	1148.7	1642.8	2685.6	4264.2	4601.1	12808.5	17573.3	13167.9	4591.4	1636.4
80°	494.1	542.2	815.0	1950.8	3535.8	4074.9	7344.4	9657.7	5326.2	972.2	529.4
82.5°	182.9	215.0	359.4	1200.0	2579.7	3356.1	4437.4	4610.7	1806.4	343.3	330.5
85°	0.0	6.4	131.6	561.5	1344.4	1498.4	2964.7	2733.7	798.9	163.6	215.0
87.5°	0.0	0.0	0.0	57.8	176.5	558.3	920.9	1026.7	192.5	57.8	51.3
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°	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3	12728.3
2.5°	12632.1	12423.5	11900.5	11377.5	10989.3	10665.2	10177.5	9911.2	9770.0	9561.5	9574.3
5°	12314.4	11890.9	10970.0	10017.1	9247.1	8496.3	7597.9	7235.3	6930.5	6757.2	6641.7
7.5°	11842.8	11217.1	9853.5	8582.9	7398.9	6086.6	5101.6	4443.8	4001.1	3837.4	3680.2
10°	11326.2	10495.2	8720.9	6959.4	5316.6	3962.6	3128.3	2525.1	2310.2	2111.2	2130.5
12.5°	10848.1	9837.4	7681.3	5493.0	3725.1	2518.7	1963.6	1716.6	1646.0	1623.5	1623.5
15°	10456.7	9208.6	6564.7	4129.4	2554.0	1809.6	1572.2	1504.8	1479.1	1472.7	1472.7
17.5°	10039.6	8611.8	5557.2	3051.3	1857.8	1514.4	1434.2	1389.3	1379.7	1373.3	1373.3
20°	9667.4	8011.8	4601.1	2271.7	1501.6	1363.6	1312.3	1283.4	1273.8	1267.4	1270.6
22.5°	9314.4	7479.1	3702.7	1716.6	1321.9	1241.7	1190.4	1161.5	1142.2	1126.2	1129.4
25°	9000.0	6965.8	2977.5	1405.3	1190.4	1119.8	1068.4	1026.7	985.0	965.8	962.6
27.5°	8778.6	6516.6	2319.8	1203.2	1071.7	994.7	930.5	879.1	824.6	795.7	789.3
30°	8595.7	6061.0	1835.3	1062.0	952.9	879.1	798.9	725.1	667.4	638.5	625.7
32.5°	8477.0	5627.8	1447.1	946.5	853.5	763.6	673.8	600.0	535.8	507.0	500.5
35°	8457.7	5265.2	1184.0	850.3	763.6	667.4	574.3	494.1	439.6	410.7	404.3
37.5°	8595.7	4986.1	991.4	773.3	689.8	584.0	481.3	407.5	359.4	336.9	333.7
40°	8964.7	4809.6	859.9	709.1	622.5	507.0	410.7	346.5	298.4	275.9	275.9
42.5°	9667.4	4816.0	773.3	648.1	555.1	433.2	349.7	288.8	247.1	227.8	221.4
45°	10764.7	5034.2	699.5	587.2	490.9	375.4	298.4	237.4	195.7	179.7	179.7
47.5°	12234.2	5467.4	635.3	526.2	433.2	320.9	253.5	192.5	157.2	141.2	141.2
50°	14156.1	6163.6	580.7	474.9	385.0	275.9	205.3	157.2	121.9	109.1	105.9
52.5°	16164.7	7023.5	516.6	429.9	330.5	234.2	166.8	121.9	93.0	83.4	80.2
55°	18381.8	7864.2	455.6	385.0	269.5	195.7	131.6	96.3	67.4	57.8	57.8
57.5°	20618.2	8688.8	381.8	320.9	211.8	144.4	102.7	70.6	44.9	35.3	35.3
60°	22511.2	8955.1	324.1	259.9	160.4	102.7	73.8	44.9	25.7	16.0	16.0
62.5°	22771.1	8056.7	272.7	198.9	115.5	70.6	38.5	25.7	9.6	6.4	6.4
65°	21359.3	6545.5	227.8	150.8	77.0	35.3	16.0	9.6	3.2	0.0	0.0
67°	19139.0	5306.9	186.1	112.3	54.5	22.5	9.6	3.2	0.0	0.0	0.0
67.5°	18571.1	5059.9	179.7	105.9	48.1	19.3	6.4	3.2	0.0	0.0	0.0
70°	14573.3	3789.3	128.3	64.2	28.9	12.8	0.0	0.0	0.0	0.0	0.0
72.5°	9057.7	2143.3	93.0	38.5	19.3	6.4	0.0	0.0	0.0	0.0	0.0
75°	3423.5	750.8	64.2	25.7	12.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1065.2	285.6	38.5	19.3	6.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	359.4	109.1	25.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	221.4	44.9	16.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	138.0	19.3	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	25.7	6.4	3.2	0.0	0.0	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)