

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: P323294

Luminaire Tested: **GAN-SA0C-760-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323294
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-SA0C-760-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 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: 57987 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

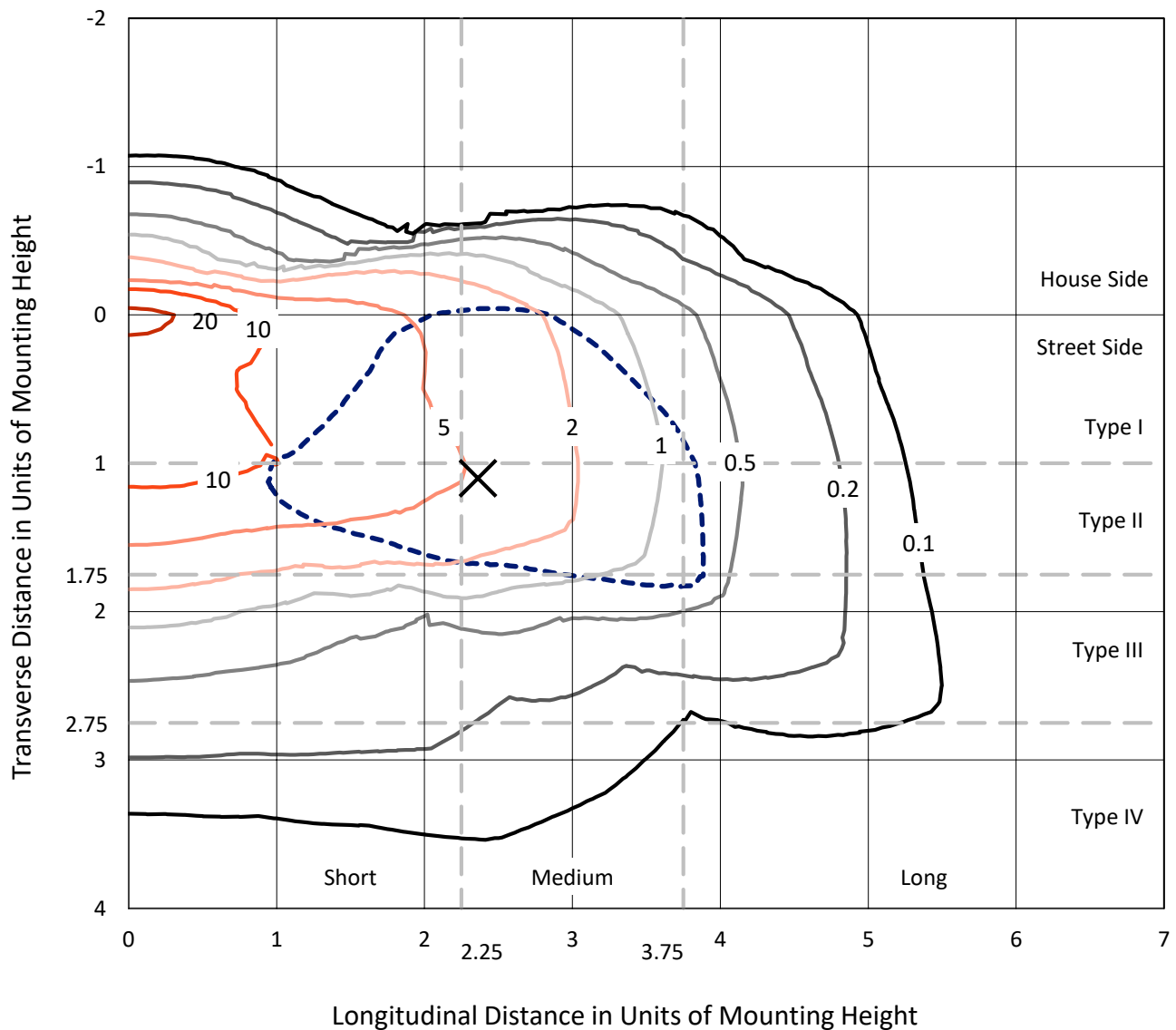
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

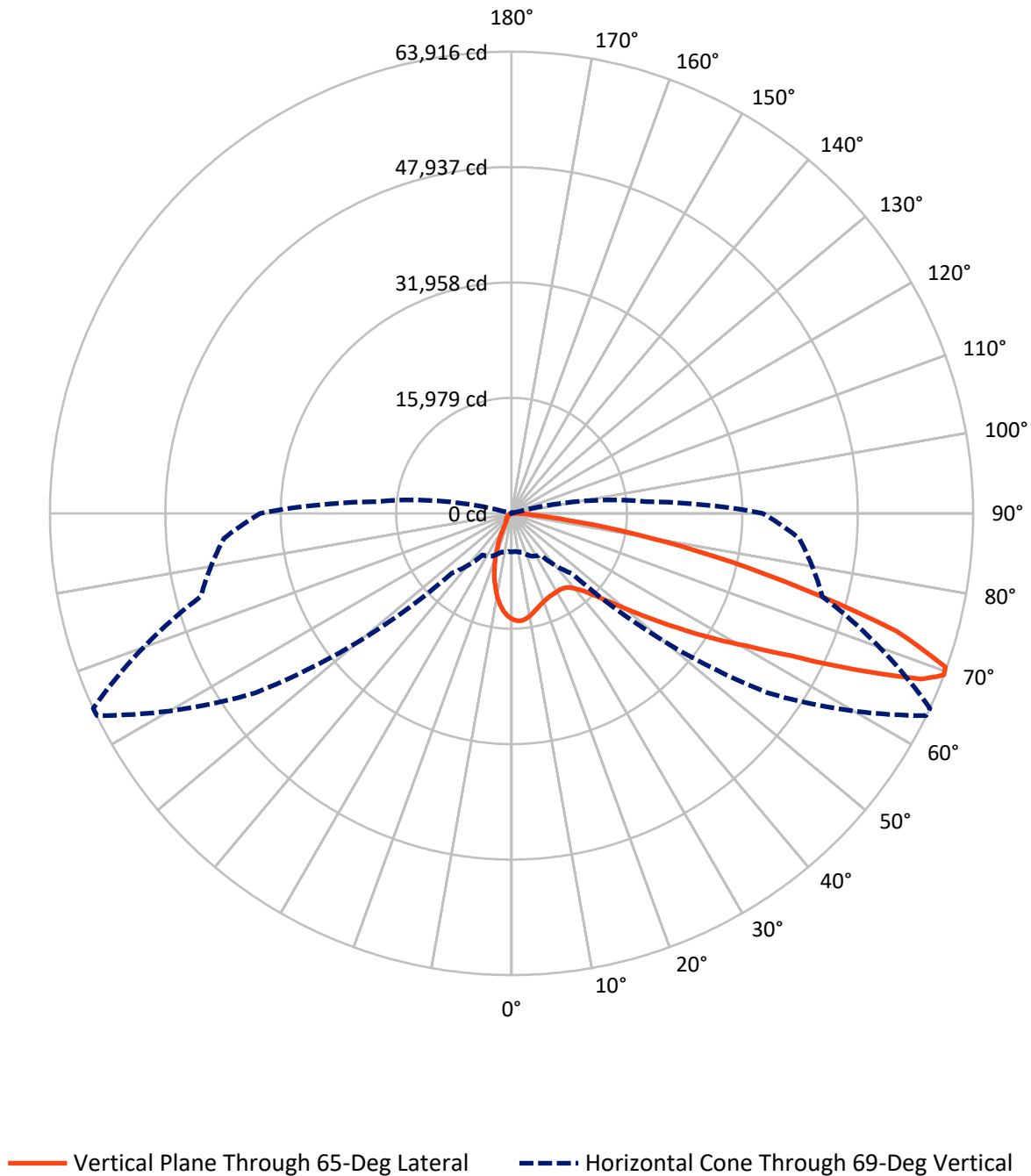
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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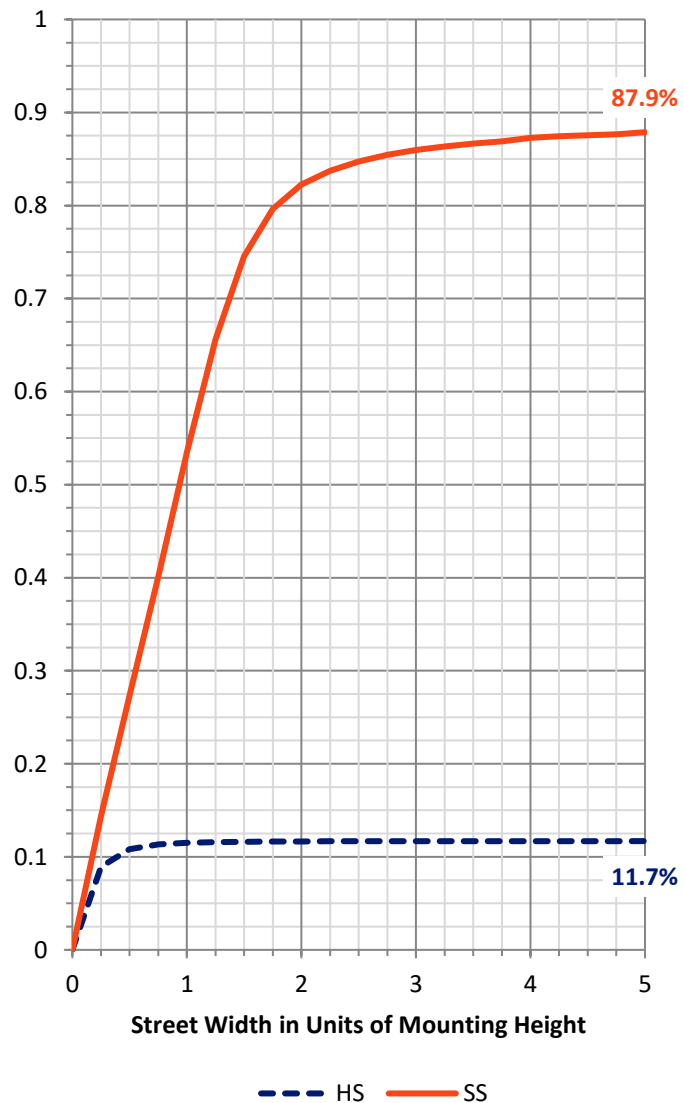
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6835.3	0.0	6835.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	51151.7	0.0	51151.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	57987.0	0.0	57987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1225.3	2.1
10°-20°	2682.3	4.6
20°-30°	3715.1	6.4
30°-40°	5180.0	8.9
40°-50°	8051.5	13.9
50°-60°	12925.7	22.3
60°-70°	14621.1	25.2
70°-80°	8587.1	14.8
80°-90°	998.9	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°	57987.0	100.0
0°-180°	57987.0	100.0

Coefficient of Utilization



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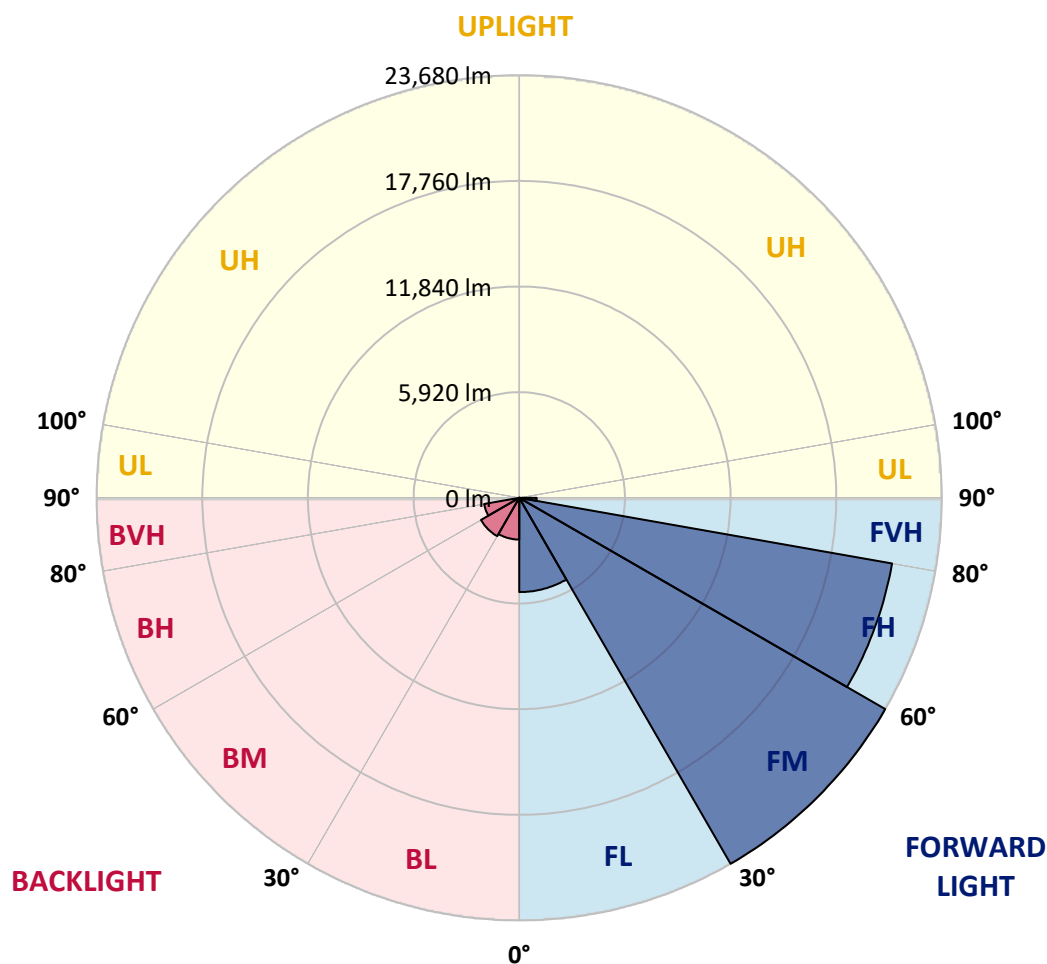
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5284.0	9.1			
FM	(30°-60°)	23680.2	40.8			
FH	(60°-80°)	21211.1	36.6			G5
FVH	(80°-90°)	976.4	1.7			G5
BL	(0°-30°)	2338.7	4.0	B3/2500		
BM	(30°-60°)	2476.9	4.3	B2/2500		
BH	(60°-80°)	1997.1	3.4	B3/2500		G3/2500
BVH	(80°-90°)	22.5	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-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4
2.5°	14783.5	14746.7	14776.1	14839.9	14871.8	14871.8	14896.3	14866.9	14876.7	14805.5	14702.5
5°	13858.4	13802.0	13883.0	14062.1	14282.9	14471.8	14751.6	14898.8	14913.5	14916.0	14795.7
7.5°	12862.2	12810.7	12930.9	13141.9	13426.6	13777.5	14265.7	14692.7	14717.2	14947.9	14859.5
10°	12052.5	12015.7	12155.6	12381.3	12715.0	13107.6	13706.3	14300.1	14371.2	14881.6	14849.7
12.5°	11409.6	11380.2	11512.7	11772.8	12113.9	12548.2	13173.8	13863.3	13959.0	14731.9	14800.6
15°	10941.0	10936.1	11046.5	11296.8	11674.6	12079.5	12719.9	13458.5	13568.9	14570.0	14793.3
17.5°	10695.6	10703.0	10784.0	10997.4	11321.3	11723.7	12337.1	13117.4	13237.6	14425.2	14830.1
20°	10671.1	10678.4	10722.6	10842.8	11105.4	11461.2	12025.5	12830.3	12955.5	14317.3	14889.0
22.5°	10887.0	10882.1	10894.4	10882.1	11029.3	11299.2	11819.4	12609.5	12754.3	14246.1	14935.6
25°	11301.7	11294.3	11289.4	11198.6	11100.5	11245.2	11733.5	12484.4	12621.8	14194.6	14962.6
27.5°	11878.3	11873.4	11866.0	11716.4	11421.9	11331.1	11743.3	12437.7	12553.1	14152.9	14957.7
30°	12636.5	12670.8	12661.0	12452.5	11993.6	11593.7	11846.4	12413.2	12513.8	14071.9	14906.1
32.5°	13527.2	13595.9	13649.9	13426.6	12852.4	12113.9	12084.4	12440.2	12513.8	14010.6	14812.9
35°	14452.2	14540.5	14739.3	14660.8	13905.0	12896.6	12494.2	12602.1	12663.5	14044.9	14768.7
37.5°	15362.5	15468.0	15899.9	16128.1	15284.0	13932.0	13132.1	13002.1	13034.0	14253.5	14817.8
40°	16420.1	16579.6	17234.7	17602.7	16930.4	15318.4	14086.6	13689.1	13701.4	14712.3	15046.0
42.5°	17808.9	17973.3	18682.4	19259.0	18785.4	17070.3	15382.2	14739.3	14727.0	15571.1	15583.4
45°	19501.9	19673.7	20407.3	21047.7	20834.3	19146.1	17040.9	16272.8	16258.1	16925.5	16601.6
47.5°	21420.7	21590.0	22245.1	22905.2	23135.8	21570.4	19153.5	18365.8	18331.5	18807.5	18174.5
50°	23067.1	23177.5	23781.1	24669.4	25709.7	24549.1	21781.4	21023.2	20986.4	21307.8	20483.4
52.5°	23665.8	23729.6	24343.0	25587.0	28183.0	28583.0	25233.7	24257.1	24230.2	24370.0	23557.8
55°	22453.7	22569.0	23322.3	25167.5	29522.8	33141.9	29591.5	28261.6	28057.9	27756.1	26772.2
57.5°	19151.0	19335.1	20144.8	22598.5	28897.1	36758.7	35995.6	32791.1	32491.7	30646.5	29385.4
60°	14349.2	14574.9	15247.2	17894.7	25557.6	38046.9	42993.5	37838.3	37163.5	32948.1	31787.5
62.5°	9846.6	9959.5	10415.9	12140.8	18822.2	35936.7	48848.0	44598.2	43366.5	35450.9	34386.0
65°	7520.5	7559.8	7746.3	8340.1	11208.4	29191.5	51176.5	53517.4	52028.0	38444.4	37082.6
67.5°	6060.6	6028.7	6286.3	7135.3	7505.8	17808.9	48460.3	61955.6	61258.7	42446.3	39796.3
69°	5344.1	5300.0	5562.5	6548.9	7049.4	11772.8	43322.3	63871.9	63916.1	44558.9	39982.8
70°	4809.2	4838.7	5098.8	6200.5	6894.9	9240.6	38414.9	63383.6	63732.1	45349.0	38863.9
72.5°	3211.9	3290.4	3813.0	5147.8	6629.9	6993.0	23194.7	54390.9	55730.6	43570.1	33343.1
75°	1810.8	1869.7	2490.5	3881.7	6247.1	6659.3	12251.3	40071.2	41366.7	36434.8	25712.2
77.5°	888.2	920.1	1408.4	2505.2	5223.9	6345.2	6948.8	27218.7	28698.3	23781.1	14543.0
80°	375.4	392.6	704.2	1545.8	3734.5	6055.7	5160.1	16751.3	16935.3	9316.6	3874.4
82.5°	144.8	149.7	296.9	964.3	2372.7	4720.9	4316.0	7942.6	7751.2	1754.4	883.3
85°	17.2	19.6	108.0	579.1	1320.1	2429.1	3506.3	3422.9	3167.7	348.4	453.9
87.5°	0.0	0.0	7.4	176.7	392.6	1138.5	1823.1	1420.7	1280.8	112.9	235.6
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°	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4	14653.4
2.5°	14616.6	14592.1	14459.6	14268.2	14086.6	13860.9	13645.0	13514.9	13411.9	13343.1	13424.1
5°	14655.9	14547.9	14145.5	13630.2	13124.8	12555.5	12025.5	11576.5	11399.8	11203.5	11291.9
7.5°	14643.6	14439.9	13716.1	12798.4	11870.9	10911.5	10003.7	9304.4	8941.2	8585.4	8676.2
10°	14582.3	14238.7	13141.9	11782.6	10393.8	9014.8	7726.7	6747.6	6200.5	5704.8	5776.0
12.5°	14447.3	13968.8	12464.7	10619.6	8762.1	6943.9	5434.9	4181.1	3508.8	3211.9	3248.7
15°	14366.3	13706.3	11748.3	9441.8	7020.0	4836.2	3322.3	2470.9	2164.2	2066.0	2078.3
17.5°	14327.1	13453.6	11007.2	8094.7	5238.6	3079.4	2147.0	1894.2	1828.0	1810.8	1815.7
20°	14287.8	13198.4	10244.1	6762.4	3609.4	2070.9	1764.2	1690.6	1666.1	1644.0	1648.9
22.5°	14221.6	12953.0	9424.6	5412.8	2434.1	1680.8	1590.0	1518.8	1467.3	1440.3	1445.2
25°	14140.6	12695.4	8587.9	4031.4	1776.5	1499.2	1413.3	1312.7	1251.4	1202.3	1204.8
27.5°	14010.6	12378.8	7724.2	2934.6	1491.8	1342.2	1226.8	1116.4	1013.4	956.9	956.9
30°	13829.0	12020.6	6764.8	2100.4	1337.3	1187.6	1047.7	910.3	799.9	748.4	743.5
32.5°	13627.8	11647.7	5795.6	1592.4	1214.6	1042.8	883.3	738.6	640.4	598.7	596.2
35°	13456.0	11245.2	4828.9	1334.8	1091.9	903.0	728.7	606.1	527.5	493.2	490.7
37.5°	13345.6	10842.8	3886.6	1192.5	981.5	772.9	611.0	500.6	444.1	417.1	414.7
40°	13328.4	10543.5	3025.4	1084.5	878.4	657.6	510.4	424.5	373.0	343.5	341.1
42.5°	13551.7	10371.7	2321.2	993.7	772.9	557.0	434.3	363.1	309.2	279.7	277.3
45°	14138.1	10425.7	1786.3	912.8	667.4	471.1	368.1	301.8	252.7	230.6	225.7
47.5°	15207.9	10798.7	1420.7	831.8	566.8	400.0	314.1	250.3	208.6	186.5	184.0
50°	17112.0	11674.6	1187.6	743.5	473.6	341.1	260.1	203.7	169.3	149.7	147.2
52.5°	19639.3	13235.2	1060.0	657.6	392.6	289.5	213.5	161.9	132.5	117.8	115.3
55°	22426.7	15124.5	976.6	564.3	321.4	240.5	169.3	127.6	103.1	90.8	85.9
57.5°	25147.8	16761.1	898.0	473.6	267.5	196.3	135.0	100.6	81.0	68.7	66.2
60°	27648.1	18265.2	807.3	380.3	218.4	154.6	105.5	78.5	63.8	51.5	51.5
62.5°	30325.1	19428.3	682.1	296.9	179.1	117.8	85.9	71.2	51.5	44.2	41.7
65°	33161.6	20292.0	534.9	230.6	139.9	88.3	71.2	73.6	41.7	31.9	29.4
67.5°	35257.0	20120.2	395.0	181.6	108.0	68.7	68.7	78.5	36.8	24.5	22.1
69°	34795.7	18724.1	331.2	157.0	93.2	58.9	63.8	78.5	34.4	22.1	19.6
70°	33458.5	17178.3	292.0	139.9	83.4	54.0	61.3	76.1	31.9	22.1	19.6
72.5°	27864.1	12938.3	228.2	105.5	66.2	44.2	51.5	66.2	31.9	22.1	17.2
75°	20959.4	8281.2	174.2	76.1	49.1	34.4	39.3	49.1	31.9	19.6	17.2
77.5°	11404.7	2986.1	125.1	51.5	34.4	27.0	27.0	36.8	29.4	14.7	9.8
80°	2932.2	750.8	78.5	34.4	27.0	19.6	17.2	24.5	17.2	2.5	0.0
82.5°	723.8	169.3	41.7	24.5	19.6	7.4	7.4	12.3	7.4	0.0	0.0
85°	397.5	83.4	27.0	17.2	9.8	0.0	0.0	2.5	0.0	0.0	0.0
87.5°	203.7	24.5	7.4	4.9	2.5	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)