

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: P323624

Luminaire Tested: **GAN-SA0D-760-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 1200mA 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: 65609 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

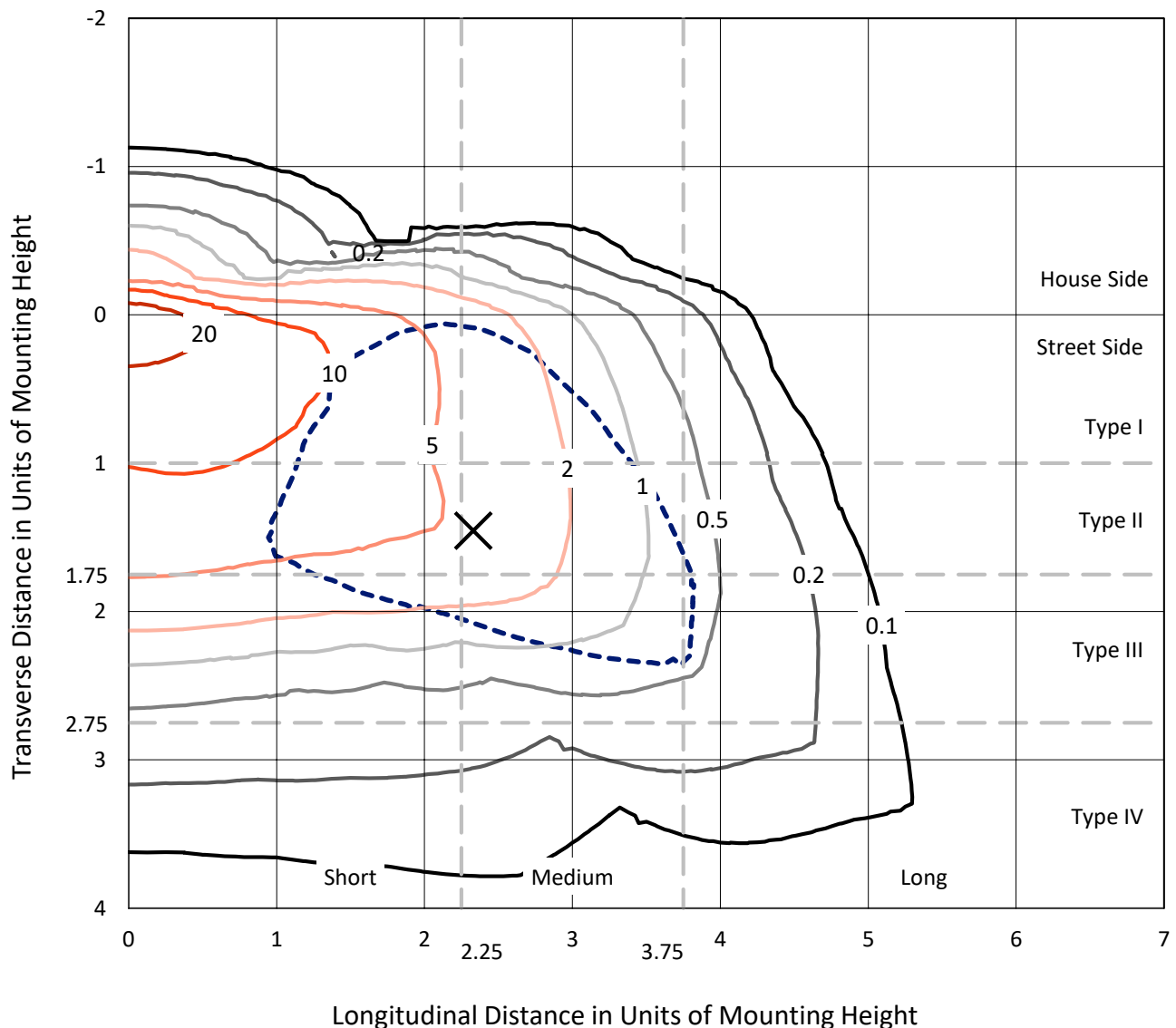
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

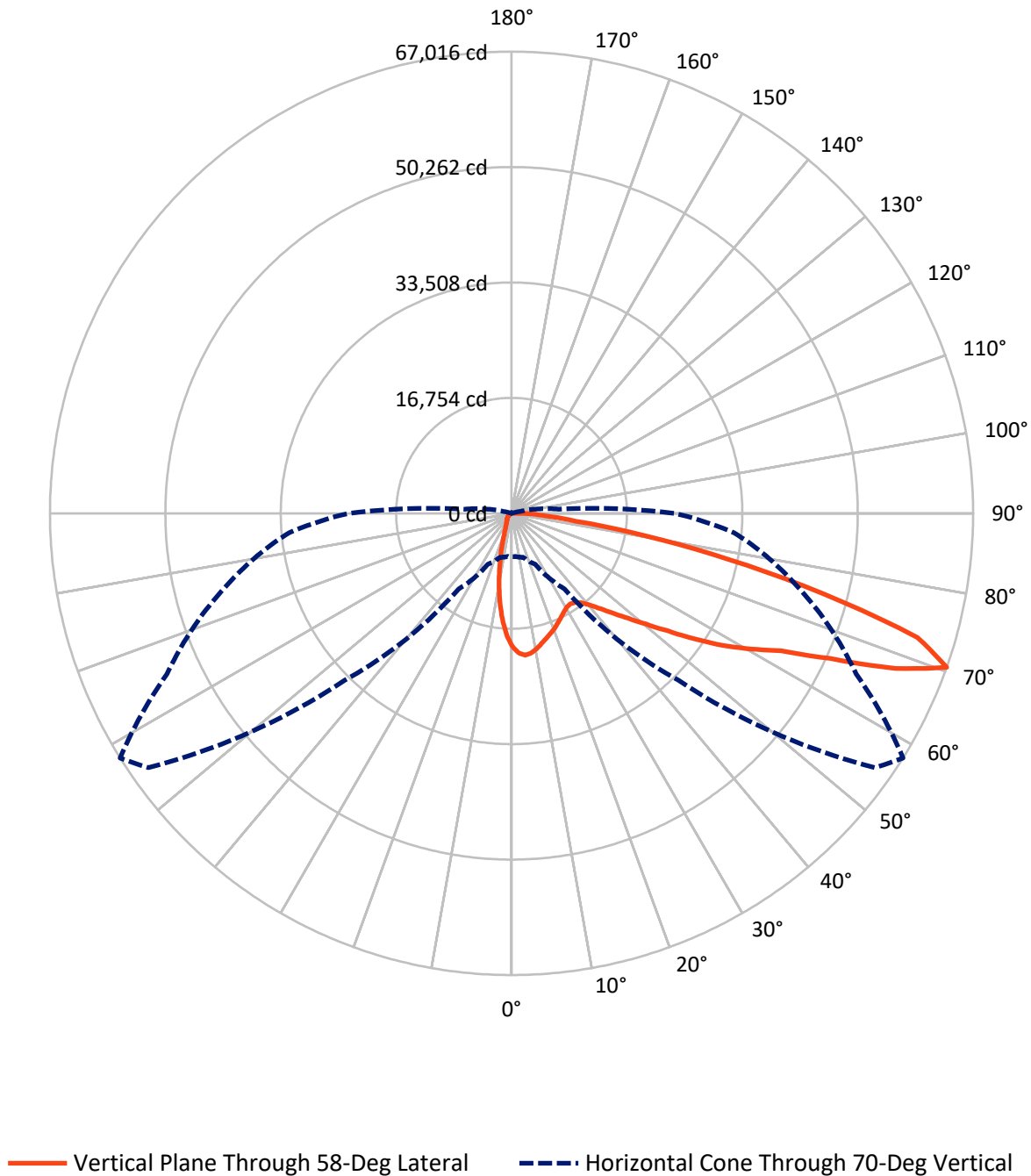
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 31.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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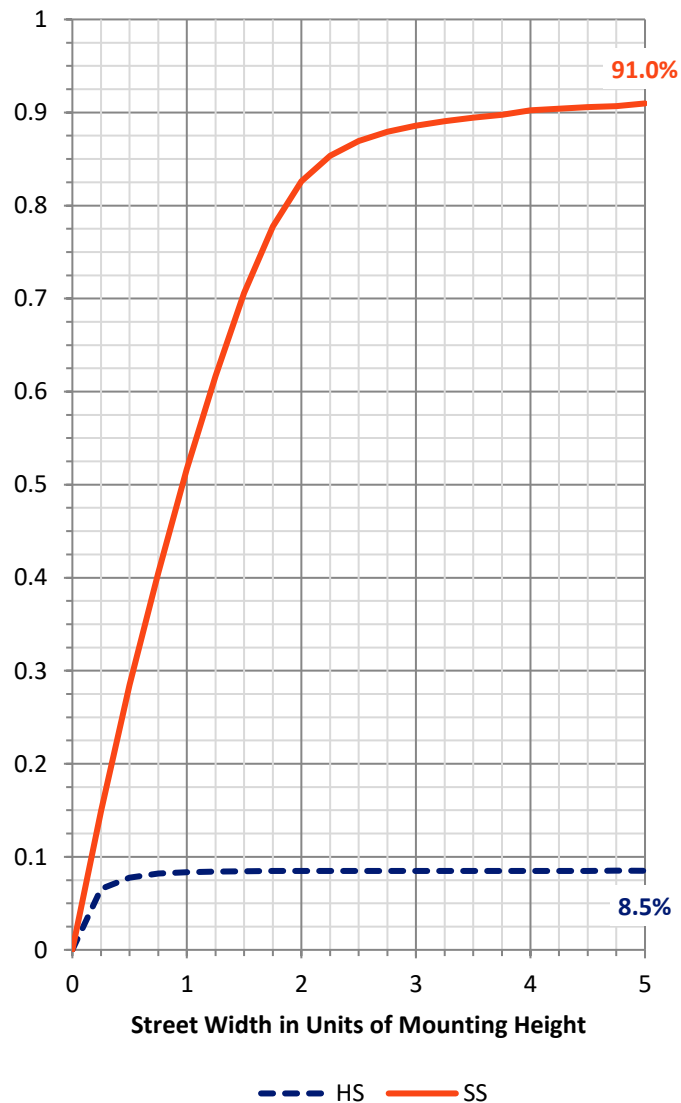
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5614.7	0.0	5614.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	59994.3	0.0	59994.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	65609.0	0.0	65609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1584.8	2.4
10°-20°	3326.2	5.1
20°-30°	4372.8	6.7
30°-40°	5791.3	8.8
40°-50°	8656.2	13.2
50°-60°	13866.9	21.1
60°-70°	17479.1	26.6
70°-80°	9428.1	14.4
80°-90°	1103.6	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°	65609.0	100.0
0°-180°	65609.0	100.0

Coefficient of Utilization



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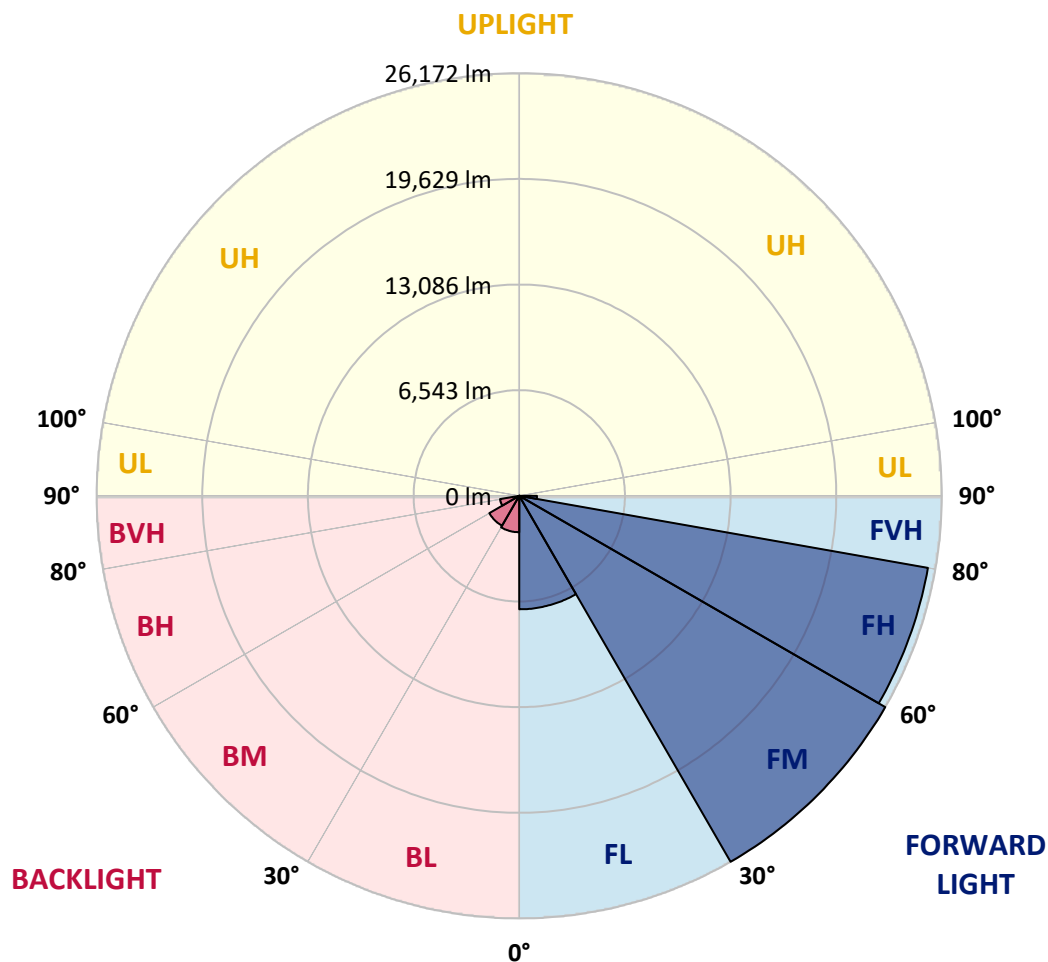
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7028.1	10.7			
FM	(30°-60°)	26172.4	39.9			
FH	(60°-80°)	25699.7	39.2			G5
FVH	(80°-90°)	1094.1	1.7			G5
BL	(0°-30°)	2255.8	3.4	B3/2500		
BM	(30°-60°)	2141.9	3.3	B2/2500		
BH	(60°-80°)	1207.5	1.8	B3/2500		G3/2500
BVH	(80°-90°)	9.5	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6
2.5°	20987.5	20935.6	20916.5	20883.8	20758.3	20635.5	20392.7	20324.5	20171.7	19808.9	19424.2
5°	21003.8	21001.1	21058.4	21044.7	21001.1	20943.8	20769.2	20679.2	20420.0	19901.7	19197.8
7.5°	19991.7	20043.5	20171.7	20275.4	20395.4	20551.0	20572.8	20485.5	20272.7	19713.4	18780.4
10°	18633.1	18714.9	18895.0	19099.6	19413.3	19724.3	20002.6	19991.7	19918.0	19366.9	18278.4
12.5°	17271.7	17367.2	17574.6	17877.4	18322.1	18829.5	19326.0	19394.2	19517.0	19055.9	17814.6
15°	16079.6	16161.4	16366.0	16737.0	17288.1	17970.1	18698.6	18824.1	19140.5	18813.1	17427.3
17.5°	15067.4	15119.3	15269.3	15681.3	16319.6	17146.3	18092.9	18338.4	18810.4	18622.2	17091.7
20°	14360.8	14369.0	14467.2	14756.4	15394.8	16319.6	17465.4	17817.4	18461.2	18458.5	16745.2
22.5°	14011.6	13984.4	14003.5	14169.9	14639.1	15531.2	16838.0	17255.4	18147.5	18319.3	16393.3
25°	13946.2	13924.3	13869.8	13891.6	14175.3	14841.0	16205.1	16687.9	17871.9	18234.8	16087.7
27.5°	14150.8	14172.6	14079.8	13981.6	14003.5	14393.6	15643.1	16202.3	17648.2	18234.8	15872.2
30°	14562.7	14573.6	14505.4	14377.2	14205.3	14268.1	15252.9	15812.2	17536.4	18360.3	15735.8
32.5°	15018.3	15078.3	15070.2	14966.5	14721.0	14467.2	15160.2	15670.3	17528.2	18638.5	15722.2
35°	15583.0	15651.2	15765.8	15744.0	15487.6	15070.2	15476.6	15877.7	17689.2	19096.9	15869.5
37.5°	16183.2	16286.9	16532.4	16649.7	16483.3	16011.4	16186.0	16472.4	18120.2	19838.9	16243.2
40°	16764.3	16881.6	17329.0	17790.1	17664.6	17179.0	17260.8	17490.0	18886.8	20905.6	16952.6
42.5°	17334.5	17509.1	18166.6	18925.0	19075.0	18687.6	18731.3	18914.1	20024.4	22373.3	18112.0
45°	18016.5	18213.0	19186.9	20122.6	20523.7	20354.5	20540.0	20660.1	21511.3	24313.0	19675.2
47.5°	19017.7	19244.2	20439.1	21505.8	22209.7	22318.8	22692.5	22771.6	23390.9	26571.9	21713.1
50°	20971.1	21033.8	22114.2	23082.7	24097.5	24752.3	25177.9	25237.9	25666.2	29040.9	24258.5
52.5°	23429.1	23470.0	24081.1	24730.4	25884.4	27221.2	28217.0	28301.6	28391.6	31447.1	26771.1
55°	25870.8	25865.3	26269.1	26651.0	27971.4	29913.9	32074.5	32126.4	31479.8	33730.5	28691.7
57.5°	27395.8	27543.1	28157.0	28648.0	30492.2	32983.0	35981.2	36172.2	34723.6	35422.0	30590.4
60°	26910.2	26981.1	28342.5	30159.4	33632.3	37345.3	39934.3	39983.4	37162.5	37110.7	32991.2
62.5°	22927.1	22965.3	25104.2	28849.9	35222.8	43003.4	44703.0	43903.7	39967.0	39454.1	35863.9
65°	15714.0	15962.2	17749.2	22378.8	32301.0	46552.7	52085.3	50762.2	44242.0	42831.5	38461.1
67.5°	9253.8	9202.0	10085.9	13496.0	23723.8	44195.6	61423.7	60108.7	50072.0	45093.2	37699.9
70°	6321.1	6285.6	6623.9	8170.7	13392.4	34284.3	64361.9	67016.3	55219.9	43570.9	32445.6
72.5°	4512.3	4531.4	5030.7	6348.3	8408.1	19975.3	55348.2	61631.0	53607.6	37983.7	24662.2
75°	3063.7	3115.5	3830.3	5208.0	7371.4	10162.3	39276.8	46850.1	43652.7	27605.9	14175.3
77.5°	1647.8	1705.1	2548.1	4195.9	6664.8	7060.4	25265.2	32243.7	27420.4	12410.2	4108.6
80°	687.5	720.2	1192.2	3050.0	5759.1	6201.0	14865.5	19552.5	11684.6	2447.1	916.6
82.5°	297.4	313.7	496.5	1819.7	4305.0	5235.3	7870.6	9406.6	3541.1	537.4	461.1
85°	57.3	60.0	204.6	963.0	2747.2	2954.6	5101.6	5000.7	1590.5	231.9	335.6
87.5°	0.0	0.0	49.1	302.8	807.5	1609.6	3112.8	3074.6	540.2	111.9	125.5
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°	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6	19380.6
2.5°	19227.8	19039.6	18644.0	18155.7	17781.9	17370.0	17042.6	16627.9	16447.9	16456.0	16357.8
5°	18796.8	18409.4	17533.6	16428.8	15577.6	14699.1	13943.4	13190.5	12745.8	12601.2	12464.8
7.5°	18180.2	17566.4	16169.6	14467.2	13026.8	11619.1	10394.1	9316.5	8634.5	8301.7	8178.9
10°	17484.5	16622.5	14600.9	12358.4	10301.4	8397.2	6809.4	5429.0	4877.9	4504.1	4408.6
12.5°	16873.4	15705.8	13067.7	10195.0	7753.3	5456.2	3942.1	3082.8	2709.0	2561.7	2537.2
15°	16297.8	14849.2	11591.8	8236.2	5368.9	3358.3	2507.1	2215.2	2127.9	2103.4	2103.4
17.5°	15754.9	14033.5	10148.6	6307.4	3552.0	2354.4	2076.1	2010.6	1983.3	1980.6	1983.3
20°	15187.5	13217.8	8730.0	4621.4	2479.9	1994.3	1917.9	1882.4	1874.2	1874.2	1874.2
22.5°	14644.6	12402.0	7349.6	3301.0	1988.8	1819.7	1781.5	1756.9	1748.7	1746.0	1740.5
25°	14123.5	11627.3	6001.9	2332.5	1746.0	1666.9	1634.1	1601.4	1576.9	1563.2	1555.0
27.5°	13695.2	10937.0	4746.9	1871.5	1576.9	1508.7	1467.7	1418.6	1358.6	1331.3	1320.4
30°	13354.2	10306.8	3658.4	1579.6	1418.6	1350.4	1287.7	1203.1	1115.8	1069.4	1066.7
32.5°	13086.8	9687.6	2777.2	1396.8	1276.8	1192.2	1102.2	995.8	894.8	843.0	840.3
35°	12955.9	9141.9	2122.5	1263.1	1151.3	1044.9	933.0	815.7	717.5	668.4	662.9
37.5°	13043.2	8680.9	1656.0	1151.3	1044.9	922.1	791.2	668.4	581.1	537.4	534.7
40°	13362.3	8386.3	1345.0	1055.8	954.8	804.8	662.9	548.4	474.7	439.2	436.5
42.5°	14041.7	8277.1	1148.5	976.7	867.5	695.7	551.1	452.9	384.7	360.1	354.7
45°	15176.6	8438.1	1014.9	900.3	777.5	592.0	455.6	371.0	311.0	291.9	289.2
47.5°	16687.9	8860.9	919.4	826.6	695.7	499.2	379.2	300.1	253.7	234.6	231.9
50°	18635.8	9532.1	840.3	753.0	619.3	422.9	313.7	237.3	196.4	182.8	182.8
52.5°	20755.6	10331.4	769.3	684.8	542.9	351.9	253.7	182.8	155.5	139.1	139.1
55°	22507.0	11029.8	692.9	632.9	450.1	291.9	193.7	139.1	114.6	106.4	106.4
57.5°	24255.7	11774.6	605.6	542.9	360.1	237.3	147.3	103.7	84.6	79.1	79.1
60°	26522.8	12685.8	521.1	442.0	283.7	180.1	109.1	73.7	62.7	60.0	60.0
62.5°	29016.3	13220.5	444.7	354.7	221.0	133.7	79.1	49.1	46.4	46.4	43.6
65°	30541.3	12464.8	373.8	283.7	171.9	100.9	51.8	35.5	40.9	38.2	32.7
67.5°	28596.2	9758.5	305.5	221.0	133.7	76.4	32.7	24.6	43.6	35.5	27.3
70°	23677.4	6831.2	237.3	155.5	106.4	65.5	21.8	16.4	46.4	35.5	21.8
72.5°	17719.2	4572.3	188.2	103.7	79.1	57.3	19.1	8.2	40.9	30.0	19.1
75°	9682.1	1841.5	150.0	65.5	49.1	40.9	13.6	5.5	27.3	21.8	13.6
77.5°	2548.1	485.6	109.1	43.6	27.3	16.4	8.2	2.7	13.6	10.9	5.5
80°	649.3	188.2	70.9	30.0	19.1	8.2	0.0	0.0	2.7	0.0	0.0
82.5°	346.5	79.1	43.6	21.8	10.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	261.9	51.8	24.6	13.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	100.9	16.4	8.2	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)