

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: P323457

Luminaire Tested: **GAN-SA3D-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323457
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-SA3D-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 16925 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 191
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

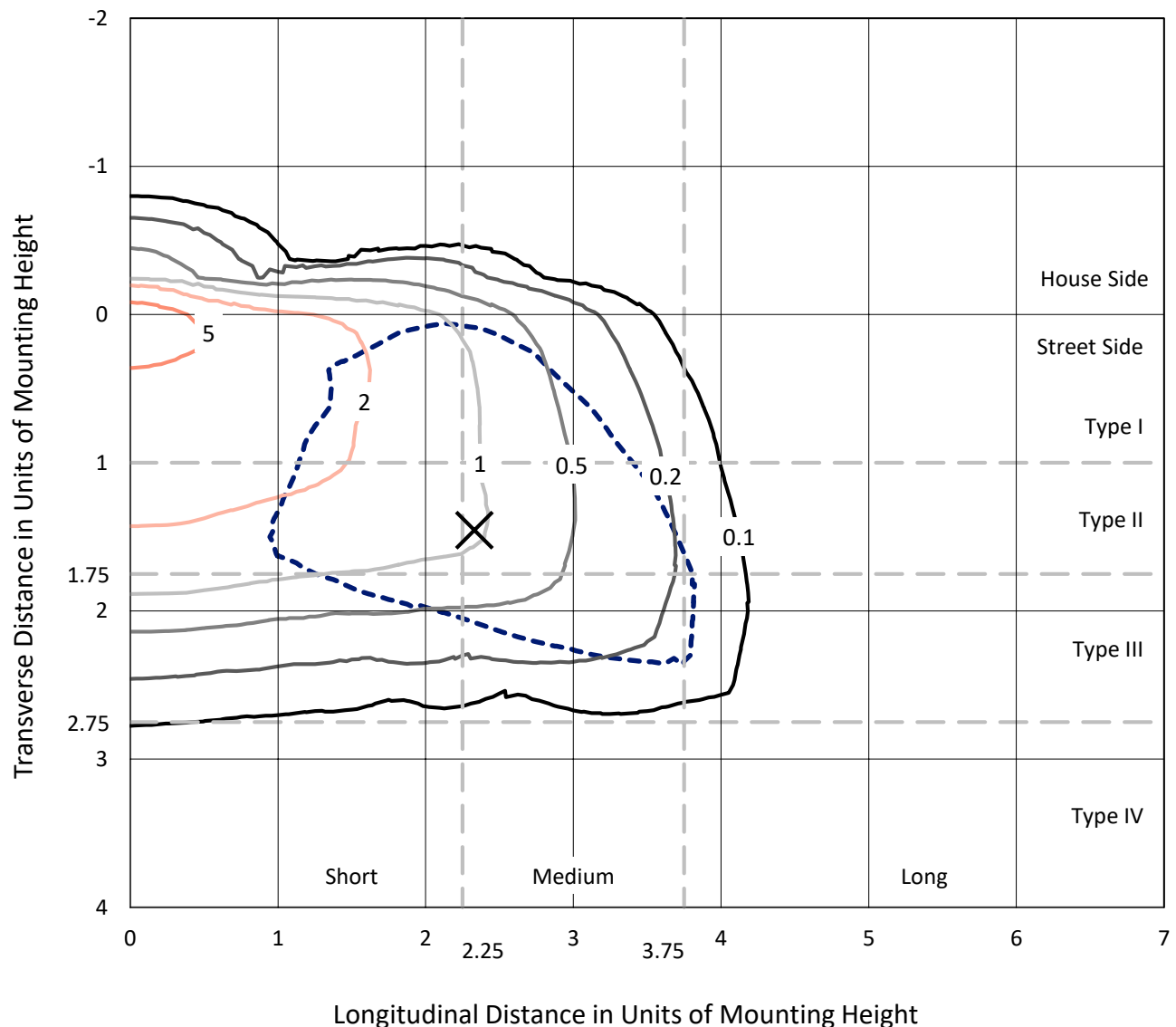


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Iso-Footcandle Lines of Horizontal Illumination

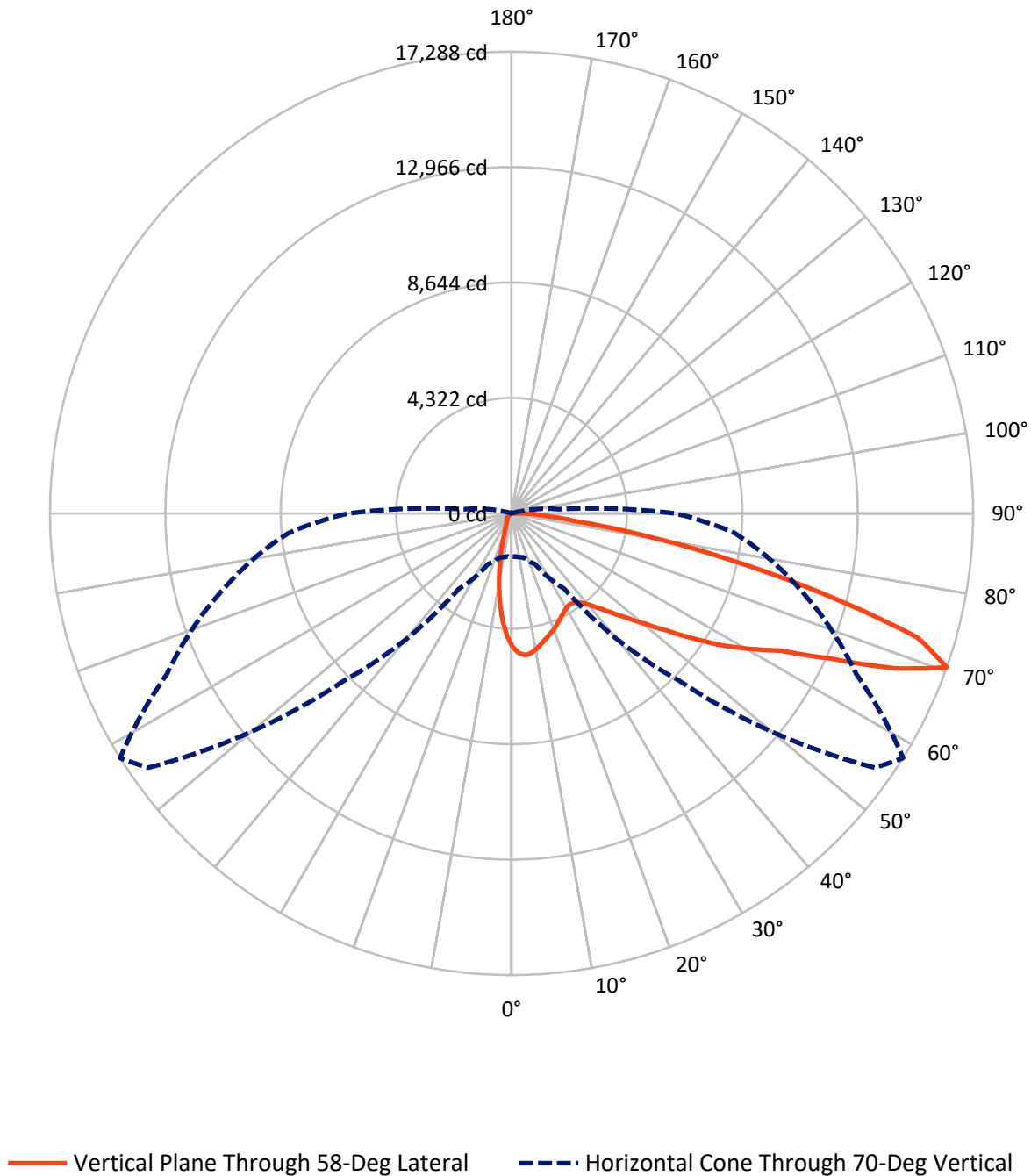
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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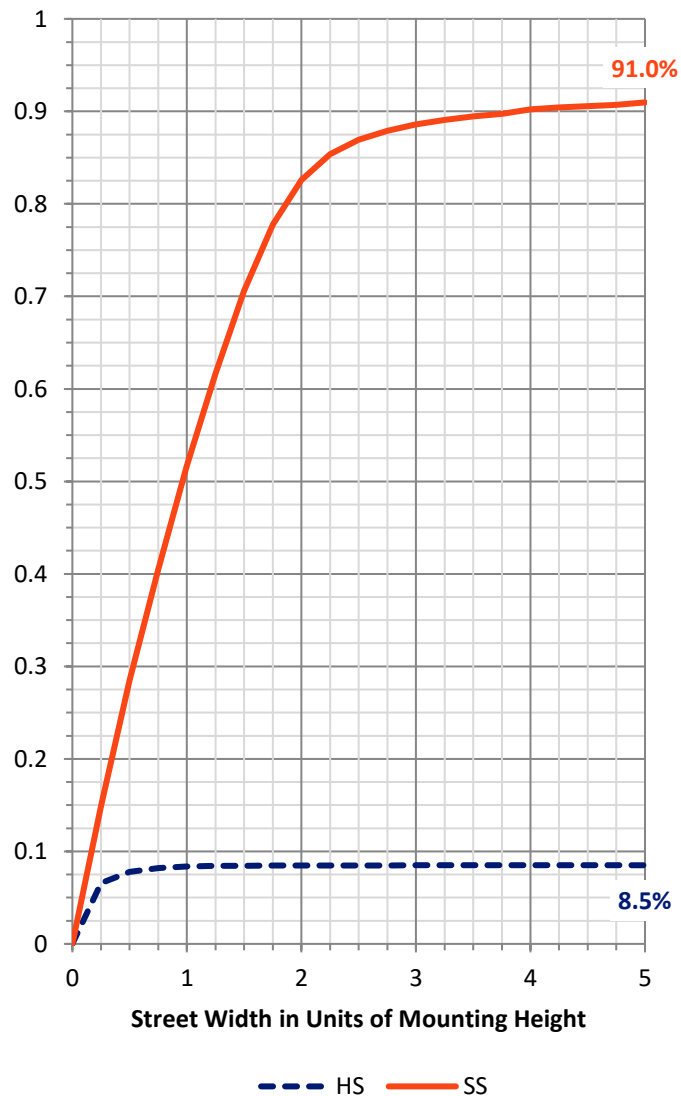
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1448.4	0.0	1448.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	15476.6	0.0	15476.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	16925.0	0.0	16925.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.8	2.4
10°-20°	858.1	5.1
20°-30°	1128.0	6.7
30°-40°	1494.0	8.8
40°-50°	2233.0	13.2
50°-60°	3577.2	21.1
60°-70°	4509.0	26.6
70°-80°	2432.2	14.4
80°-90°	284.7	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°	16925.0	100.0
0°-180°	16925.0	100.0

Coefficient of Utilization



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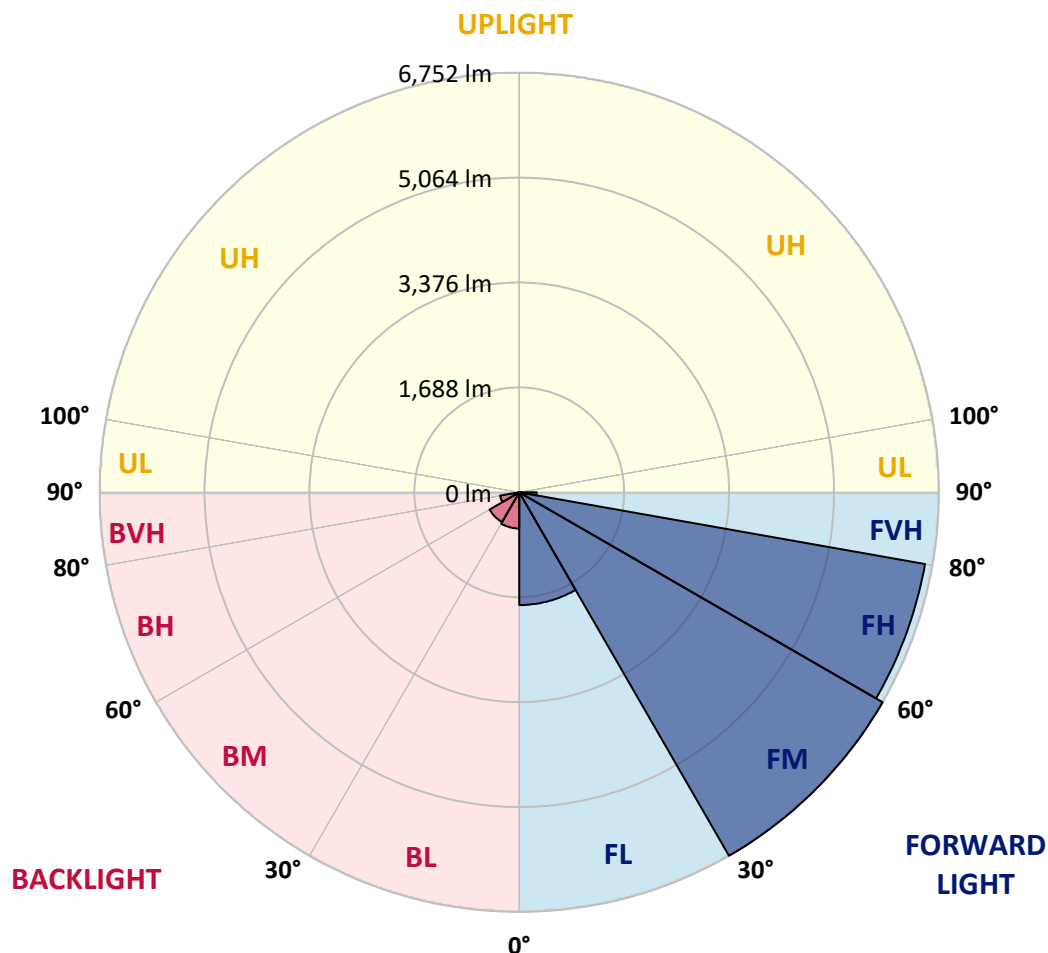
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1813.0	10.7			
FM	(30°-60°)	6751.6	39.9			
FH	(60°-80°)	6629.7	39.2			G3/7500
FVH	(80°-90°)	282.2	1.7			G3/500
BL	(0°-30°)	581.9	3.4	B2/1000		
BM	(30°-60°)	552.5	3.3	B1/1000		
BH	(60°-80°)	311.5	1.8	B1/500		G1/500
BVH	(80°-90°)	2.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6
2.5°	5414.1	5400.7	5395.8	5387.3	5355.0	5323.3	5260.7	5243.1	5203.7	5110.1	5010.8
5°	5418.3	5417.6	5432.4	5428.9	5417.6	5402.8	5357.8	5334.6	5267.7	5134.0	4952.4
7.5°	5157.2	5170.6	5203.7	5230.4	5261.4	5301.5	5307.1	5284.6	5229.7	5085.4	4844.7
10°	4806.7	4827.8	4874.3	4927.1	5008.0	5088.2	5160.0	5157.2	5138.2	4996.0	4715.2
12.5°	4455.6	4480.2	4533.7	4611.8	4726.5	4857.4	4985.5	5003.1	5034.8	4915.8	4595.6
15°	4148.0	4169.1	4221.9	4317.6	4459.8	4635.7	4823.6	4856.0	4937.6	4853.2	4495.7
17.5°	3886.9	3900.3	3939.0	4045.3	4209.9	4423.2	4667.4	4730.7	4852.5	4803.9	4409.1
20°	3704.6	3706.7	3732.1	3806.7	3971.4	4209.9	4505.5	4596.3	4762.4	4761.7	4319.7
22.5°	3614.6	3607.5	3612.4	3655.4	3776.4	4006.5	4343.7	4451.3	4681.5	4725.8	4228.9
25°	3597.7	3592.0	3578.0	3583.6	3656.8	3828.5	4180.4	4304.9	4610.4	4704.0	4150.1
27.5°	3650.4	3656.1	3632.1	3606.8	3612.4	3713.1	4035.4	4179.7	4552.7	4704.0	4094.5
30°	3756.7	3759.5	3741.9	3708.9	3664.5	3680.7	3934.8	4079.0	4523.8	4736.4	4059.3
32.5°	3874.2	3889.7	3887.6	3860.9	3797.5	3732.1	3910.8	4042.4	4521.7	4808.1	4055.8
35°	4019.9	4037.5	4067.1	4061.4	3995.3	3887.6	3992.5	4095.9	4563.2	4926.4	4093.8
37.5°	4174.7	4201.5	4264.8	4295.1	4252.2	4130.4	4175.5	4249.3	4674.4	5117.8	4190.2
40°	4324.7	4354.9	4470.3	4589.3	4556.9	4431.6	4452.7	4511.9	4872.2	5393.0	4373.2
42.5°	4471.7	4516.8	4686.4	4882.0	4920.7	4820.8	4832.1	4879.2	5165.7	5771.6	4672.3
45°	4647.7	4698.4	4949.6	5191.0	5294.4	5250.8	5298.7	5329.6	5549.2	6272.0	5075.6
47.5°	4906.0	4964.4	5272.6	5547.8	5729.4	5757.5	5853.9	5874.3	6034.1	6854.7	5601.3
50°	5409.9	5426.0	5704.7	5954.6	6216.4	6385.3	6495.1	6510.6	6621.0	7491.6	6257.9
52.5°	6044.0	6054.5	6212.2	6379.7	6677.3	7022.2	7279.1	7300.9	7324.1	8112.3	6906.1
55°	6673.8	6672.4	6776.6	6875.1	7215.7	7716.8	8274.2	8287.6	8120.8	8701.4	7401.5
57.5°	7067.2	7105.2	7263.6	7390.3	7866.0	8508.6	9282.0	9331.3	8957.6	9137.7	7891.3
60°	6942.0	6960.3	7311.4	7780.2	8676.0	9633.9	10301.7	10314.4	9586.7	9573.4	8510.7
62.5°	5914.5	5924.3	6476.1	7442.3	9086.3	11093.5	11531.9	11325.7	10310.2	10177.9	9251.7
65°	4053.7	4117.7	4578.7	5773.0	8332.6	12009.1	13436.3	13095.0	11413.0	11049.2	9921.7
67.5°	2387.2	2373.8	2601.8	3481.5	6120.0	11401.0	15845.3	15506.1	12917.0	11632.6	9725.4
70°	1630.6	1621.5	1708.7	2107.8	3454.8	8844.2	16603.3	17288.1	14245.0	11239.9	8369.9
72.5°	1164.0	1169.0	1297.7	1637.7	2169.0	5153.0	14278.0	15898.8	13829.0	9798.6	6362.1
75°	790.3	803.7	988.1	1343.5	1901.6	2621.5	10132.1	12085.8	11261.0	7121.4	3656.8
77.5°	425.1	439.9	657.3	1082.4	1719.3	1821.4	6517.6	8317.8	7073.6	3201.4	1059.9
80°	177.3	185.8	307.5	786.8	1485.7	1599.7	3834.8	5043.9	3014.2	631.3	236.5
82.5°	76.7	80.9	128.1	469.4	1110.5	1350.5	2030.4	2426.6	913.5	138.6	118.9
85°	14.8	15.5	52.8	248.4	708.7	762.2	1316.0	1290.0	410.3	59.8	86.6
87.5°	0.0	0.0	12.7	78.1	208.3	415.2	803.0	793.1	139.3	28.9	32.4
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°	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6	4999.6
2.5°	4960.2	4911.6	4809.5	4683.6	4587.2	4480.9	4396.4	4289.5	4243.0	4245.1	4219.8
5°	4849.0	4749.0	4523.1	4238.1	4018.5	3791.9	3597.0	3402.7	3288.0	3250.7	3215.5
7.5°	4689.9	4531.6	4171.2	3732.1	3360.5	2997.3	2681.4	2403.4	2227.4	2141.6	2109.9
10°	4510.4	4288.1	3766.6	3188.1	2657.4	2166.2	1756.6	1400.5	1258.3	1161.9	1137.3
12.5°	4352.8	4051.6	3371.0	2630.0	2000.1	1407.5	1016.9	795.3	698.8	660.8	654.5
15°	4204.3	3830.6	2990.3	2124.7	1385.0	866.3	646.8	571.5	548.9	542.6	542.6
17.5°	4064.3	3620.2	2618.0	1627.1	916.3	607.4	535.6	518.7	511.6	510.9	511.6
20°	3917.9	3409.8	2252.1	1192.2	639.7	514.5	494.7	485.6	483.5	483.5	483.5
22.5°	3777.8	3199.3	1895.9	851.6	513.0	469.4	459.6	453.2	451.1	450.4	449.0
25°	3643.4	2999.5	1548.3	601.7	450.4	430.0	421.6	413.1	406.8	403.3	401.1
27.5°	3532.9	2821.4	1224.6	482.8	406.8	389.2	378.6	366.0	350.5	343.4	340.6
30°	3444.9	2658.8	943.8	407.5	366.0	348.4	332.2	310.4	287.8	275.9	275.2
32.5°	3376.0	2499.1	716.4	360.3	329.4	307.5	284.3	256.9	230.8	217.5	216.8
35°	3342.2	2358.3	547.5	325.8	297.0	269.5	240.7	210.4	185.1	172.4	171.0
37.5°	3364.7	2239.4	427.2	297.0	269.5	237.9	204.1	172.4	149.9	138.6	137.9
40°	3447.1	2163.4	347.0	272.4	246.3	207.6	171.0	141.5	122.5	113.3	112.6
42.5°	3622.3	2135.2	296.3	251.9	223.8	179.5	142.2	116.8	99.2	92.9	91.5
45°	3915.1	2176.8	261.8	232.2	200.6	152.7	117.5	95.7	80.2	75.3	74.6
47.5°	4304.9	2285.8	237.2	213.2	179.5	128.8	97.8	77.4	65.5	60.5	59.8
50°	4807.4	2459.0	216.8	194.2	159.8	109.1	80.9	61.2	50.7	47.2	47.2
52.5°	5354.3	2665.2	198.5	176.6	140.0	90.8	65.5	47.2	40.1	35.9	35.9
55°	5806.1	2845.3	178.8	163.3	116.1	75.3	50.0	35.9	29.6	27.4	27.4
57.5°	6257.2	3037.5	156.2	140.0	92.9	61.2	38.0	26.7	21.8	20.4	20.4
60°	6842.0	3272.5	134.4	114.0	73.2	46.4	28.2	19.0	16.2	15.5	15.5
62.5°	7485.3	3410.5	114.7	91.5	57.0	34.5	20.4	12.7	12.0	12.0	11.3
65°	7878.7	3215.5	96.4	73.2	44.3	26.0	13.4	9.1	10.6	9.9	8.4
67.5°	7376.9	2517.4	78.8	57.0	34.5	19.7	8.4	6.3	11.3	9.1	7.0
70°	6108.0	1762.2	61.2	40.1	27.4	16.9	5.6	4.2	12.0	9.1	5.6
72.5°	4571.0	1179.5	48.6	26.7	20.4	14.8	4.9	2.1	10.6	7.7	4.9
75°	2497.7	475.0	38.7	16.9	12.7	10.6	3.5	1.4	7.0	5.6	3.5
77.5°	657.3	125.3	28.2	11.3	7.0	4.2	2.1	0.7	3.5	2.8	1.4
80°	167.5	48.6	18.3	7.7	4.9	2.1	0.0	0.0	0.7	0.0	0.0
82.5°	89.4	20.4	11.3	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	67.6	13.4	6.3	3.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.0	4.2	2.1	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)