

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: P324247

Luminaire Tested: **GAN-SA3C-760-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-760-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16008 lumens
Efficiency: N/A
Efficacy: 96.4 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): 166
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

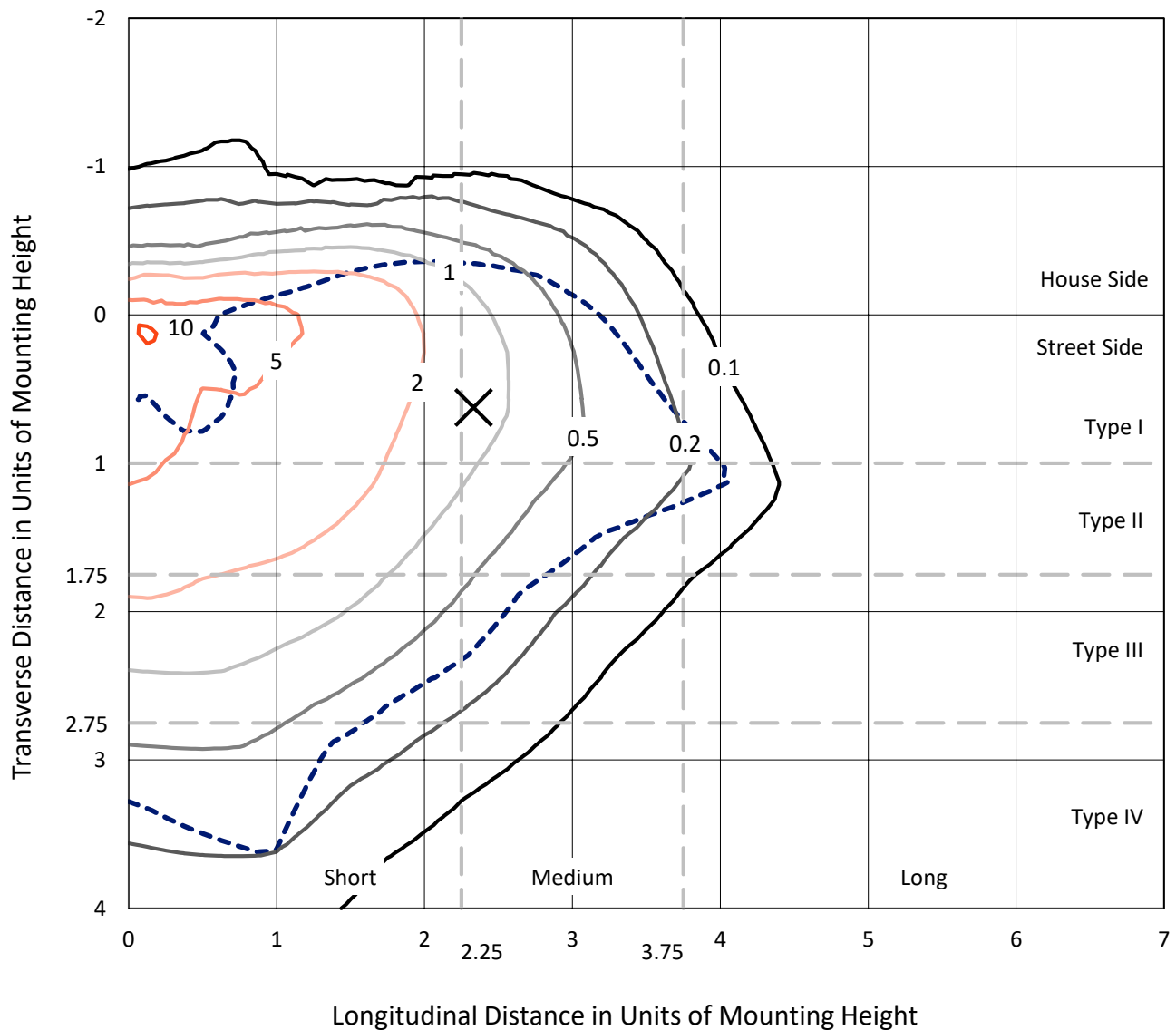


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Iso-Footcandle Lines of Horizontal Illumination

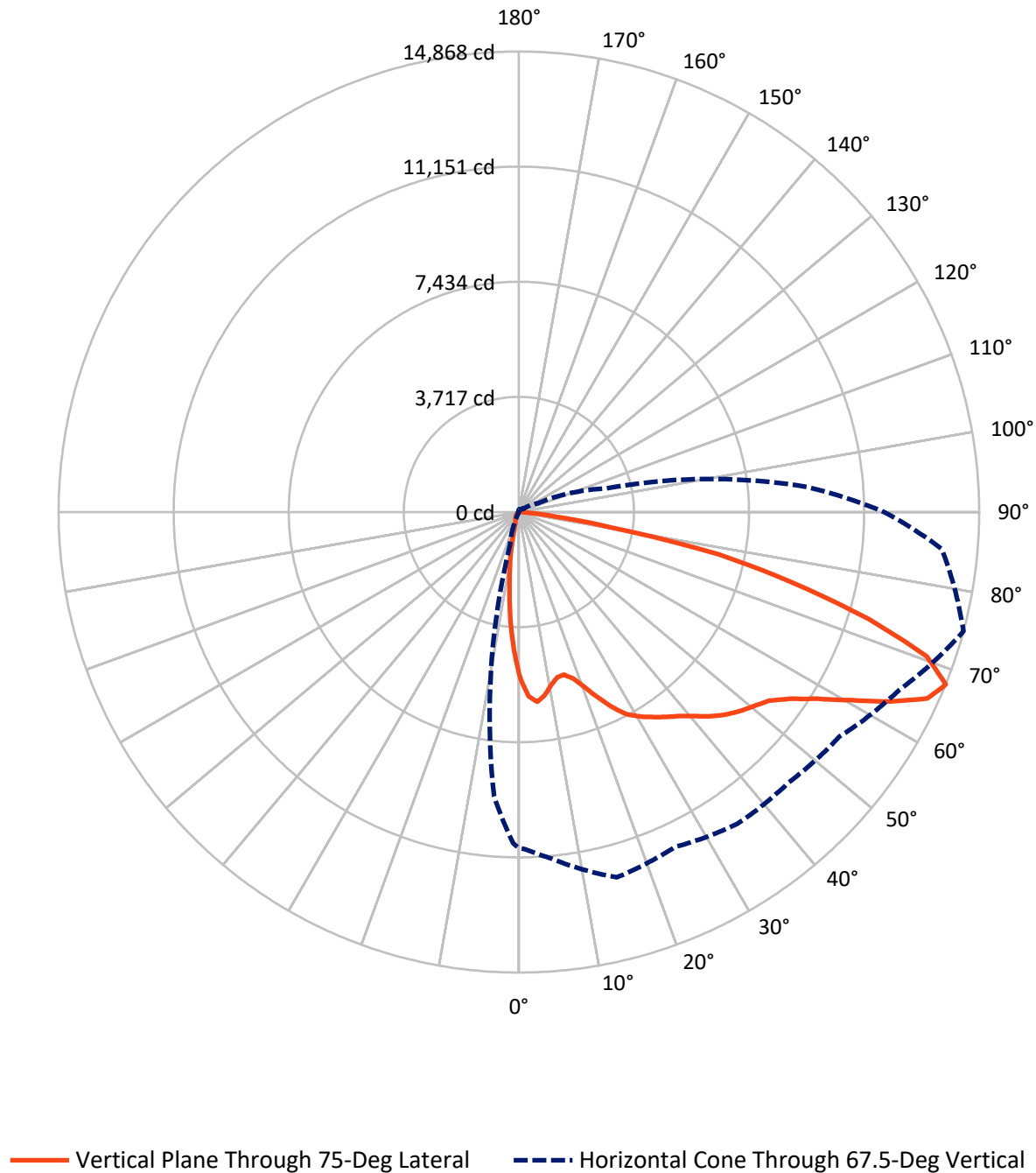
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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	2402.2	0.0	2402.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	13605.8	0.0	13605.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	16008.0	0.0	16008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.4	2.5
10°-20°	802.1	5.0
20°-30°	1134.8	7.1
30°-40°	1668.4	10.4
40°-50°	2398.1	15.0
50°-60°	3375.9	21.1
60°-70°	3942.7	24.6
70°-80°	2011.4	12.6
80°-90°	267.2	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°	16008.0	100.0
0°-180°	16008.0	100.0

Coefficient of Utilization



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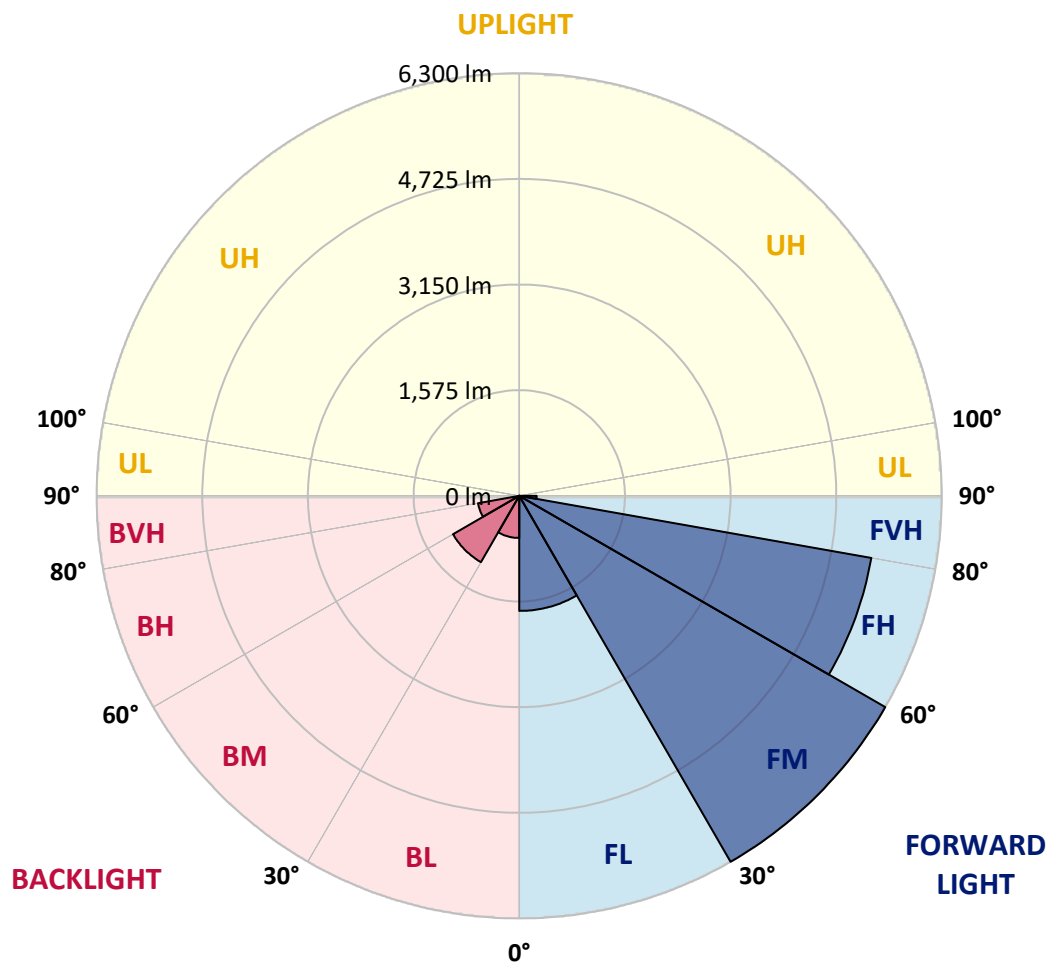
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1716.1	10.7			
FM	(30°-60°)	6300.5	39.4			
FH	(60°-80°)	5330.2	33.3			G3/7500
FVH	(80°-90°)	259.1	1.6			G3/500
BL	(0°-30°)	628.2	3.9	B2/1000		
BM	(30°-60°)	1141.9	7.1	B2/2500		
BH	(60°-80°)	624.0	3.9	B2/1000		G2/1000
BVH	(80°-90°)	8.1	0.1			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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4
2.5°	5821.6	5830.7	5877.7	5986.9	6106.0	6115.1	6195.5	6112.8	6084.7	5951.3	5813.3
5°	5865.6	5900.5	6062.0	6382.8	6661.1	6750.5	6814.2	6652.0	6481.3	6155.3	5807.2
7.5°	5511.5	5569.8	5823.9	6426.0	6923.4	7143.4	7185.1	6931.0	6513.2	5976.3	5453.1
10°	5058.0	5124.7	5431.1	6171.2	6854.4	7231.3	7289.0	6956.1	6355.5	5686.6	5070.1
12.5°	4691.0	4769.1	5082.2	5884.6	6617.1	7034.2	7147.9	6871.9	6219.0	5481.1	4808.5
15°	4521.9	4611.3	4940.4	5699.5	6353.9	6682.3	6776.3	6657.3	6143.1	5448.5	4747.8
17.5°	4618.9	4716.0	5055.7	5715.4	6106.7	6247.0	6322.9	6371.4	6143.1	5644.9	4925.3
20°	5017.0	5121.7	5481.1	5877.0	5902.0	5849.7	5930.8	6101.4	6214.4	6018.0	5351.5
22.5°	5567.6	5690.4	6096.1	6153.8	5801.9	5604.0	5614.6	5882.3	6344.1	6491.2	5942.9
25°	6238.7	6388.8	6801.4	6566.3	5843.6	5457.6	5453.8	5701.8	6470.7	6965.2	6601.9
27.5°	6905.2	7070.6	7433.0	7069.8	6015.7	5431.1	5423.5	5647.2	6594.3	7386.8	7321.6
30°	7464.1	7624.9	7937.3	7434.6	6201.5	5493.3	5456.9	5705.6	6667.9	7660.5	7846.3
32.5°	7919.1	8048.0	8300.6	7685.6	6400.2	5613.8	5535.0	5861.8	6793.0	7891.8	8328.6
35°	8419.6	8555.3	8656.2	7924.4	6623.2	5787.5	5674.5	6109.8	6985.6	8126.9	8857.2
37.5°	8990.6	9125.6	9113.5	8142.8	6906.0	6074.9	6002.8	6502.6	7285.2	8359.7	9447.1
40°	9549.5	9687.5	9588.9	8381.7	7238.1	6548.8	6495.8	7092.6	7686.3	8657.7	10138.7
42.5°	10072.7	10222.1	10011.3	8607.7	7634.0	7146.4	7237.4	7852.4	8188.3	9024.7	10734.8
45°	10494.4	10646.8	10365.5	8827.6	8051.1	7871.3	8145.1	8694.1	8791.9	9334.9	11137.4
47.5°	10800.7	10944.8	10611.1	9047.5	8584.9	8757.8	9234.8	9576.8	9337.2	9604.1	11423.3
50°	10996.4	11108.6	10683.2	9322.8	9285.6	9792.2	10370.0	10536.8	9850.6	9846.8	11770.6
52.5°	11120.7	11171.5	10736.3	9610.2	10016.6	10918.3	11481.7	11534.0	10379.1	10113.7	12238.5
55°	11549.2	11590.1	11112.4	9958.2	10621.0	11904.8	12487.2	12438.7	10977.4	10636.2	12790.6
57.5°	12280.2	12323.4	11889.7	10458.7	11110.1	12514.5	13216.0	13303.2	11678.9	11370.2	13382.0
60°	12647.2	12727.6	12572.9	11092.7	11584.1	12904.3	13712.7	13991.0	12555.5	12337.8	13955.3
62.5°	12314.3	12431.1	12655.6	11795.6	12055.0	13118.9	13867.4	14237.4	13453.3	13465.5	14308.7
65°	11650.0	11743.3	12124.0	12180.9	12328.0	13092.4	13485.2	13893.1	14003.1	14501.3	14289.8
67.5°	10847.7	10882.6	11205.7	12211.2	11932.1	12294.6	12337.1	12638.9	13568.6	14868.3	13715.7
70°	9692.8	9711.8	9993.9	11195.8	10254.0	10333.6	10270.7	10332.1	11665.2	13974.3	12266.6
72.5°	7800.8	7848.6	8249.7	9297.7	7470.2	7240.4	7734.8	7707.5	8983.8	11806.3	9110.4
75°	5743.5	5826.2	6432.1	7489.2	5243.0	4742.5	5103.5	5199.8	6386.6	9132.4	5697.2
77.5°	4021.4	4082.8	4669.7	5505.4	3794.6	3391.2	3260.8	3375.3	4215.5	6606.5	2870.2
80°	2316.7	2339.4	2714.0	3178.9	2557.0	2925.6	2650.3	2729.2	2526.0	2939.2	1234.5
82.5°	1515.9	1519.7	1666.0	1892.0	1592.5	1850.3	1369.5	1751.0	1553.8	1180.7	401.9
85°	819.0	823.5	966.1	1343.0	901.6	509.6	299.5	615.0	960.8	270.7	110.0
87.5°	90.2	82.7	291.2	488.4	250.2	46.3	15.9	69.0	153.9	17.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4
2.5°	5742.7	5679.8	5522.8	5356.8	5223.3	5098.2	4972.3	4818.4	4699.3	4675.0	4635.6
5°	5619.9	5420.5	5091.3	4760.7	4494.6	4158.6	3945.5	3779.5	3617.2	3607.3	3574.7
7.5°	5190.7	4928.3	4465.0	4007.7	3633.1	3313.1	2990.0	2773.9	2604.1	2544.2	2508.5
10°	4778.2	4483.2	3904.6	3382.9	3048.4	2765.6	2538.1	2312.1	2107.4	1966.3	1902.6
12.5°	4490.0	4163.9	3526.2	3076.5	2836.9	2568.4	2290.9	2008.8	1772.9	1603.1	1499.2
15°	4378.5	4030.5	3399.5	2955.2	2659.4	2319.7	1964.8	1642.5	1380.9	1227.0	1133.7
17.5°	4511.2	4106.3	3389.7	2807.3	2394.0	1971.6	1579.6	1198.9	952.4	835.7	775.8
20°	4847.9	4347.4	3385.9	2626.1	2078.6	1559.1	1070.0	788.7	639.3	574.0	546.0
22.5°	5324.2	4655.3	3416.2	2447.1	1750.2	1114.0	738.6	579.4	502.8	467.9	452.0
25°	5936.9	5087.6	3501.9	2284.8	1441.6	831.1	575.6	485.3	431.5	404.2	392.8
27.5°	6589.8	5585.0	3635.4	2143.8	1190.6	662.8	492.9	415.6	376.9	357.9	347.3
30°	7128.2	6161.3	3770.4	1986.8	1008.6	577.8	451.2	379.2	334.4	322.3	312.4
32.5°	7599.1	6597.4	3865.9	1845.0	889.5	513.4	408.0	339.0	308.6	285.1	274.5
35°	8086.7	6960.6	3862.9	1745.6	807.6	464.8	371.6	303.3	266.9	239.6	231.3
37.5°	8614.5	7370.9	3796.9	1660.7	772.0	426.2	351.1	284.4	248.0	220.7	210.1
40°	9232.5	7801.6	3729.4	1581.1	762.1	395.1	336.7	269.2	230.5	204.0	193.4
42.5°	9834.6	8189.8	3670.3	1521.9	719.6	394.3	323.8	257.8	216.9	191.1	179.0
45°	10316.2	8551.6	3658.9	1486.3	674.9	408.0	317.0	250.2	206.3	180.5	169.1
47.5°	10716.6	8944.4	3731.7	1461.3	632.4	372.3	333.7	244.9	196.4	171.4	158.5
50°	11192.8	9426.7	3903.1	1420.3	587.7	335.2	382.2	246.5	188.1	162.3	148.6
52.5°	11857.1	10094.0	4154.8	1351.3	526.3	301.1	376.1	248.0	179.0	152.4	138.8
55°	12601.7	10927.4	4425.5	1236.8	440.6	256.3	322.3	237.4	161.5	141.8	128.9
57.5°	13384.3	11683.4	4586.3	1100.3	350.3	221.4	257.8	216.1	142.6	127.4	119.1
60°	13507.2	11970.8	4512.8	932.7	278.3	192.6	191.1	219.9	127.4	112.2	106.2
62.5°	13201.6	11609.9	4157.1	783.3	232.8	169.1	157.0	191.9	115.3	100.1	94.0
65°	12613.9	10633.9	3580.8	706.0	216.1	144.8	130.4	135.0	100.9	87.2	81.9
67.5°	11796.4	9331.1	2940.0	662.0	213.8	124.4	111.5	102.4	87.2	75.8	71.3
70°	10125.1	7773.5	2345.5	637.7	207.8	104.6	94.0	83.4	72.8	64.5	60.7
72.5°	7452.0	5508.4	1824.5	611.2	209.3	83.4	81.9	69.0	58.4	50.0	48.5
75°	4305.7	3147.0	1196.6	495.2	199.4	64.5	68.2	48.5	40.9	34.9	34.9
77.5°	2294.7	1919.3	455.7	206.3	72.8	40.9	38.7	28.8	25.8	21.2	20.5
80°	1000.2	844.8	137.3	57.6	40.2	22.0	14.4	12.9	11.4	9.1	8.3
82.5°	354.1	305.6	44.7	28.1	17.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	80.4	57.6	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4
2.5°	4555.2	4538.5	4440.0	4443.7	4461.2	4486.2	4427.1	4454.4	4527.9	4598.4	4625.0
5°	3522.4	3526.2	3466.3	3503.4	3536.8	3559.5	3464.0	3465.5	3523.9	3603.5	3645.2
7.5°	2482.0	2475.9	2478.9	2567.7	2630.6	2585.1	2620.7	2497.1	2504.7	2561.6	2519.1
10°	1845.0	1761.6	1714.6	1781.3	1850.3	1825.3	1763.8	1723.7	1751.7	1814.7	1810.1
12.5°	1449.9	1330.1	1259.6	1211.8	1268.7	1221.7	1220.1	1185.3	1147.3	1154.2	1255.0
15°	1090.5	1003.3	919.8	843.2	841.7	825.8	744.7	653.7	646.1	650.6	703.0
17.5°	750.0	720.4	686.3	620.3	602.9	536.1	457.3	420.9	402.7	411.0	428.4
20°	527.0	515.7	519.4	483.8	458.8	395.1	348.8	334.4	331.4	339.7	348.1
22.5°	436.8	416.3	414.0	398.1	373.1	326.8	301.8	293.5	289.7	297.3	303.3
25°	382.2	361.7	353.4	343.5	317.0	285.1	270.0	262.4	258.6	263.1	266.9
27.5°	336.7	317.7	310.2	303.3	277.5	254.8	242.7	235.8	232.8	234.3	238.1
30°	302.6	285.9	276.0	267.7	245.7	229.8	219.2	212.3	209.3	209.3	213.1
32.5°	266.9	257.8	248.7	238.1	217.6	207.0	196.4	188.8	185.8	186.5	189.6
35°	222.2	219.2	221.4	211.6	194.1	185.0	174.4	166.1	163.8	164.6	167.6
37.5°	197.2	183.5	191.9	186.5	176.7	164.6	150.9	143.3	139.5	141.8	143.3
40°	181.2	164.6	158.5	163.8	162.3	142.6	130.4	122.8	119.8	120.6	122.1
42.5°	167.6	147.9	134.2	133.5	142.6	124.4	111.5	104.6	100.9	100.9	102.4
45°	154.7	133.5	116.8	103.9	119.8	105.4	93.3	87.2	82.7	82.7	83.4
47.5°	144.8	121.3	101.6	84.9	90.2	86.4	76.6	70.5	66.0	66.0	66.7
50°	135.7	109.2	88.0	71.3	67.5	71.3	62.2	55.4	52.3	51.6	53.1
52.5°	125.9	97.1	75.1	60.7	53.1	53.8	48.5	44.0	40.2	40.2	41.7
55°	116.0	87.2	65.2	51.6	44.0	40.2	38.7	35.6	32.6	32.6	34.1
57.5°	106.2	76.6	55.4	42.5	34.9	31.8	31.8	29.6	27.3	27.3	28.8
60°	97.1	66.0	45.5	34.9	27.3	26.5	27.3	25.0	23.5	23.5	25.0
62.5°	86.4	56.1	37.2	28.8	22.0	21.2	23.5	22.0	20.5	20.5	22.0
65°	73.6	47.8	29.6	22.0	16.7	16.7	19.7	18.2	16.7	16.7	18.2
67.5°	62.2	40.2	22.7	15.9	12.1	12.9	16.7	15.2	14.4	14.4	15.9
70°	51.6	31.1	15.9	9.9	6.8	9.9	12.9	12.9	12.9	12.9	14.4
72.5°	38.7	21.2	9.1	3.8	3.0	6.8	10.6	12.1	11.4	11.4	13.6
75°	25.0	12.1	3.0	0.0	0.0	3.8	8.3	9.9	9.9	9.1	11.4
77.5°	14.4	3.8	0.0	0.0	0.0	0.0	5.3	4.5	3.8	3.0	5.3
80°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4	5370.4
2.5°	4731.9	4821.4	4947.3	5080.7	5286.2	5449.3	5609.3	5746.5	5799.6	5821.6
5°	3745.3	3876.5	4060.8	4297.4	4668.2	5001.9	5340.1	5680.6	5828.4	5865.6
7.5°	2687.5	2855.1	3089.4	3385.9	3820.4	4252.6	4725.1	5224.8	5453.8	5511.5
10°	1989.1	2193.8	2462.3	2774.7	3189.5	3633.9	4148.8	4719.8	4981.4	5058.0
12.5°	1411.2	1688.0	2047.5	2427.4	2786.8	3183.4	3704.4	4333.8	4608.3	4691.0
15°	828.8	1096.5	1521.9	2030.8	2491.1	2893.0	3422.3	4135.9	4438.4	4521.9
17.5°	475.5	608.9	930.5	1497.7	2122.5	2679.1	3333.6	4185.2	4541.6	4618.9
20°	363.2	405.7	536.1	964.6	1691.8	2469.1	3333.6	4464.2	4903.3	5017.0
22.5°	317.7	348.8	401.9	575.6	1245.2	2243.9	3372.2	4867.6	5441.7	5567.6
25°	282.1	310.2	355.7	433.0	849.3	1976.2	3464.0	5362.8	6075.6	6238.7
27.5°	252.5	279.1	320.0	379.2	580.9	1653.1	3587.6	5943.7	6774.8	6905.2
30°	226.0	251.0	288.2	329.9	448.2	1286.9	3693.0	6491.2	7323.8	7464.1
32.5°	201.0	223.7	257.1	288.2	367.0	951.7	3704.4	6925.0	7779.6	7919.1
35°	177.4	197.9	228.3	252.5	304.1	751.5	3527.7	7301.1	8235.3	8419.6
37.5°	154.7	174.4	201.0	219.2	267.7	612.7	3257.7	7720.4	8820.0	8990.6
40°	133.5	150.9	178.2	190.3	253.3	470.9	2964.3	8160.3	9393.3	9549.5
42.5°	113.7	130.4	157.0	180.5	222.2	351.9	2647.3	8572.8	9908.9	10072.7
45°	94.8	112.2	138.8	191.1	184.3	263.1	2308.3	8846.5	10316.2	10494.4
47.5°	76.6	96.3	132.7	182.0	147.1	193.4	2039.9	9105.9	10624.8	10800.7
50°	61.4	81.1	149.4	162.3	120.6	147.9	1927.6	9337.9	10827.3	10996.4
52.5°	50.0	68.2	141.0	124.4	100.9	122.1	1988.3	9714.1	11014.6	11120.7
55°	41.7	53.8	84.9	86.4	85.7	103.9	2063.4	10254.0	11499.1	11549.2
57.5°	36.4	43.2	59.1	66.7	72.0	92.5	2064.9	11029.0	12249.1	12280.2
60°	31.1	37.9	49.3	53.8	62.2	82.7	1989.8	11299.7	12544.1	12647.2
62.5°	27.3	33.4	40.9	44.7	52.3	74.3	1813.9	10907.7	12139.2	12314.3
65°	24.3	30.3	34.1	37.9	46.3	66.7	1524.2	10123.5	11467.3	11650.0
67.5°	21.2	26.5	30.3	34.1	41.7	59.1	1122.3	9212.8	10696.1	10847.7
70°	19.0	23.5	27.3	30.3	36.4	50.0	681.0	7817.5	9629.9	9692.8
72.5°	18.2	21.2	25.0	27.3	31.8	44.0	345.0	5745.0	7698.4	7800.8
75°	15.9	19.0	22.7	24.3	28.1	37.9	140.3	3773.4	5578.9	5743.5
77.5°	12.9	17.4	20.5	22.0	24.3	31.1	71.3	2411.5	3915.2	4021.4
80°	4.5	12.9	17.4	18.2	20.5	22.7	47.0	1320.2	2271.2	2316.7
82.5°	0.0	8.3	13.6	12.9	14.4	17.4	30.3	627.9	1499.2	1515.9
85°	0.0	3.8	10.6	8.3	6.1	12.1	10.6	137.3	786.4	819.0
87.5°	0.0	0.0	0.8	3.8	3.0	4.5	1.5	0.8	71.3	90.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)