

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: P324680

Luminaire Tested: **GAN-SA6B-722-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18625 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

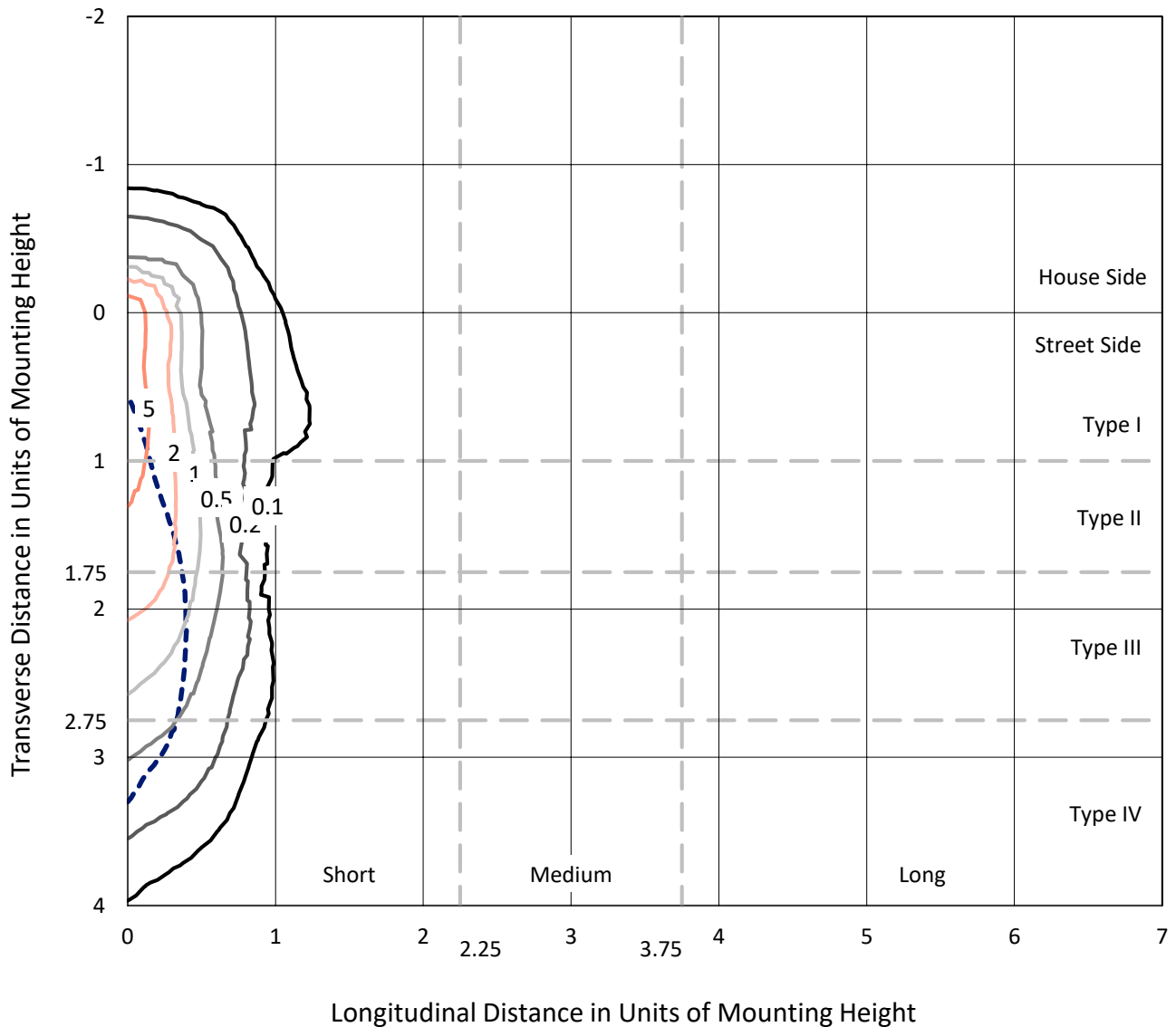
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

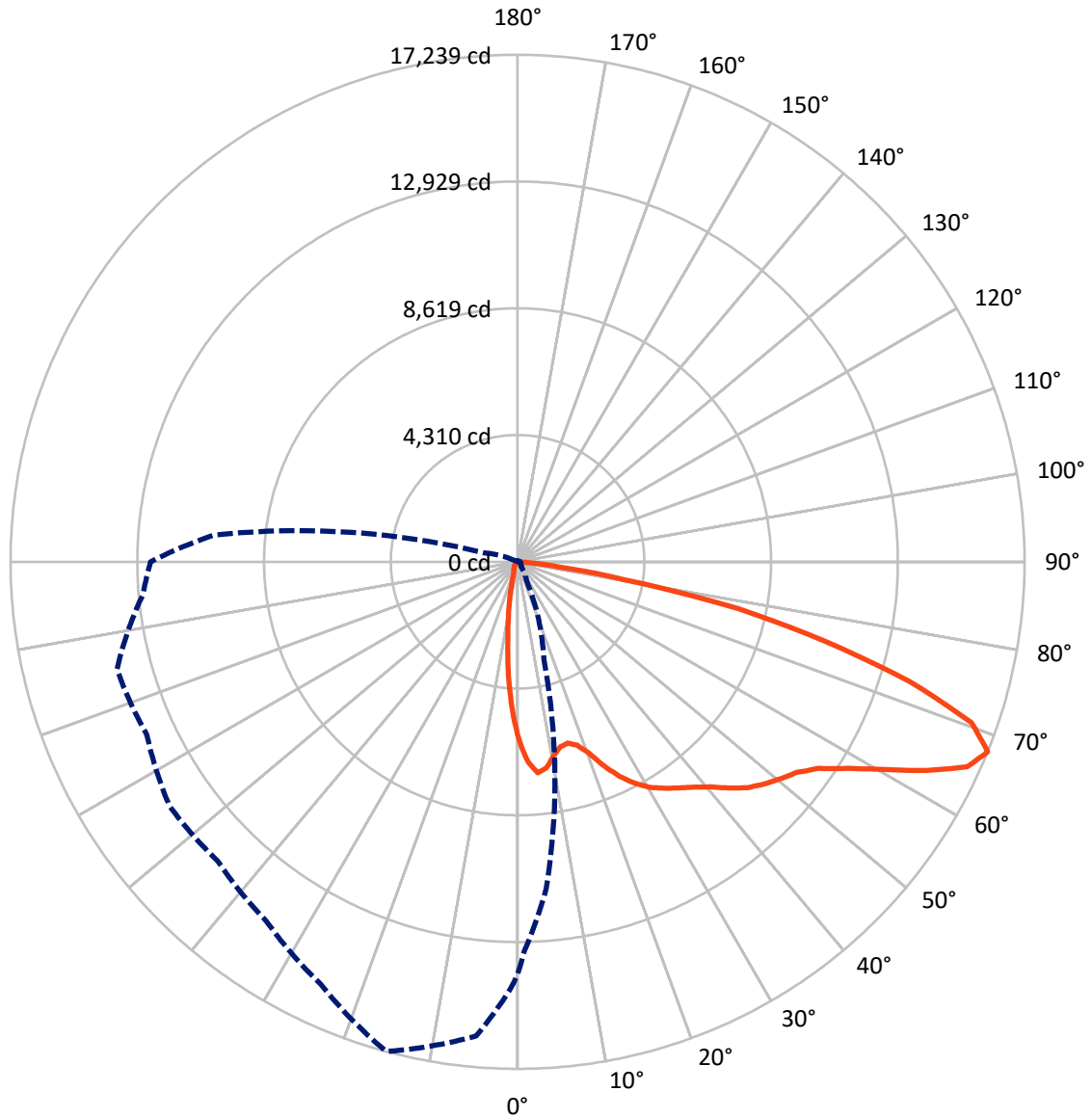
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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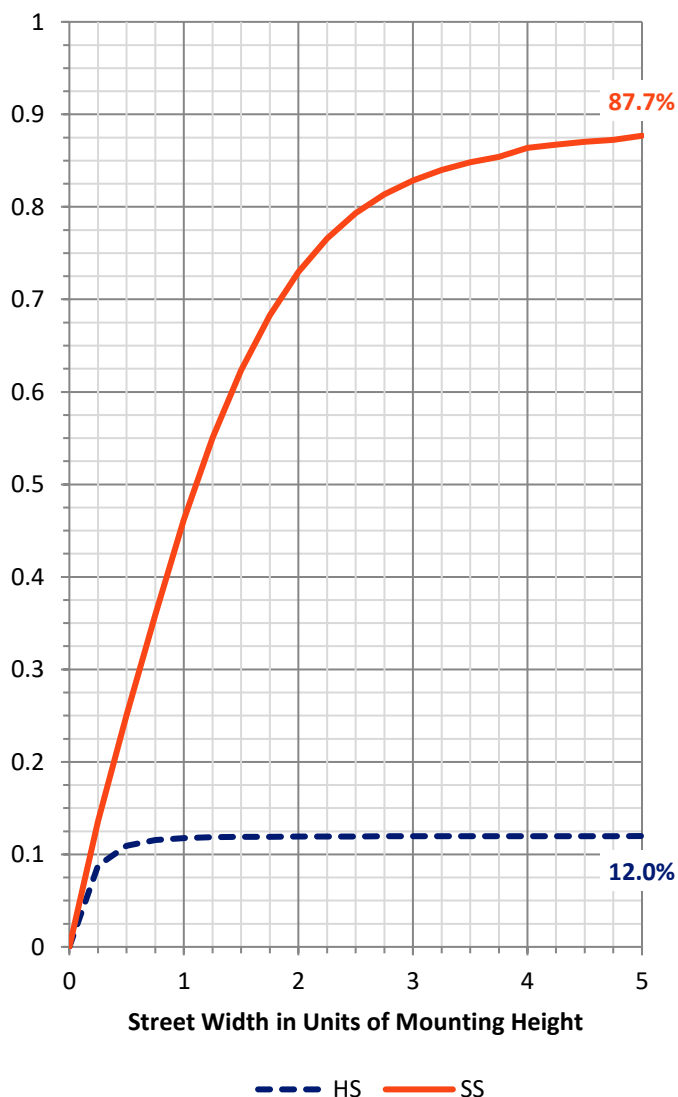
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2254.2	0.0	2254.2
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	16370.8	0.0	16370.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	18625.0	0.0	18625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.6	2.5
10°-20°	926.8	5.0
20°-30°	1316.1	7.1
30°-40°	1944.0	10.4
40°-50°	2803.7	15.1
50°-60°	3935.8	21.1
60°-70°	4588.0	24.6
70°-80°	2345.5	12.6
80°-90°	299.5	1.6
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°	18625.0	100.0
0°-180°	18625.0	100.0

Coefficient of Utilization

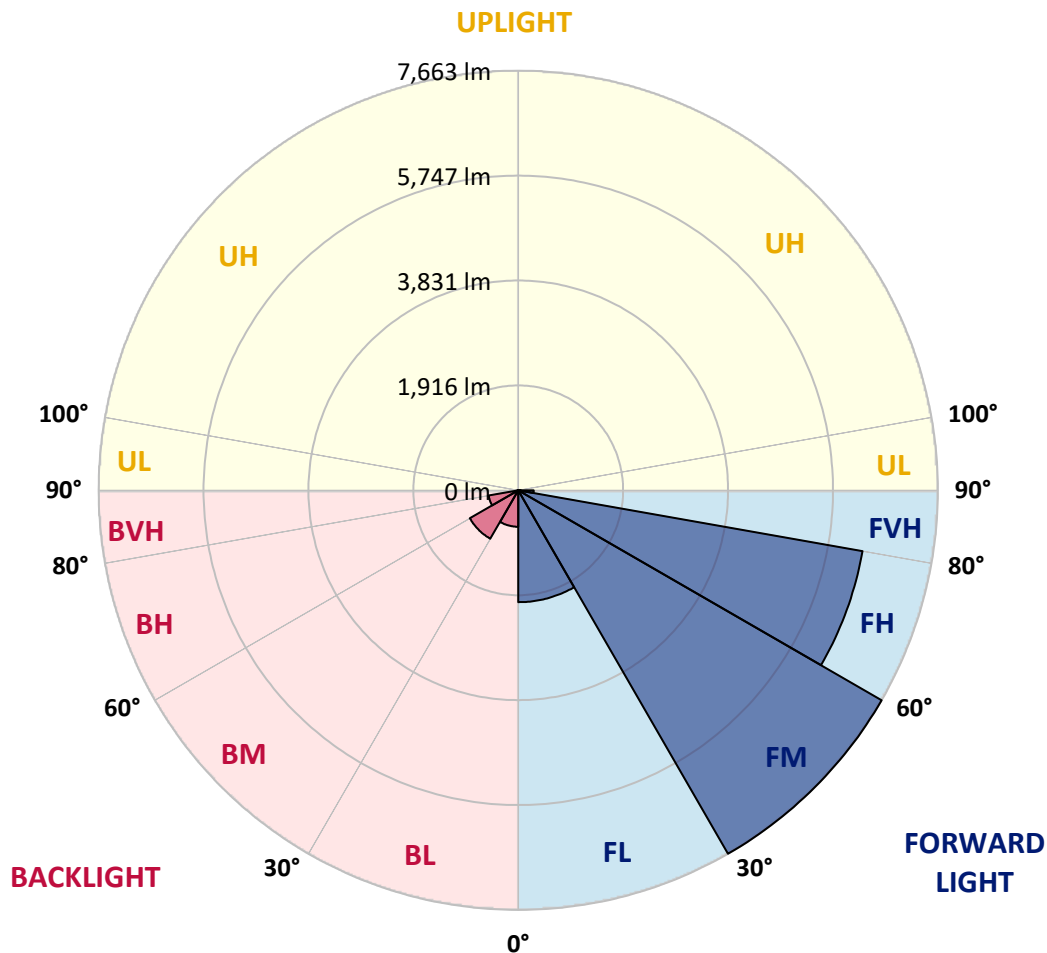


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2042.8	11.0			
FM (30°-60°)	7662.6	41.1			
FH (60°-80°)	6384.0	34.3			G3/7500
FVH (80°-90°)	281.3	1.5			G3/500
BL (0°-30°)	665.8	3.6	B2/1000		
BM (30°-60°)	1020.8	5.5	B2/2500		
BH (60°-80°)	549.4	2.9	B2/1000		G2/1000
BVH (80°-90°)	18.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1
2.5°	6643.2	6592.1	6535.6	6351.2	6180.0	5984.1	5824.4	5713.2	5573.8	5392.9	5347.1
5°	6595.6	6540.9	6363.5	5953.2	5594.1	5244.7	4907.6	4710.0	4464.7	4215.9	4154.1
7.5°	6116.5	6059.1	5803.2	5241.2	4757.6	4252.9	3815.3	3544.4	3267.4	3039.7	2918.8
10°	5617.9	5555.3	5267.6	4585.6	3990.0	3533.8	3212.6	2954.1	2692.1	2448.5	2254.4
12.5°	5274.7	5192.6	4880.3	4107.4	3588.5	3278.8	2978.8	2669.1	2314.4	2053.2	1839.7
15°	5130.9	5037.4	4707.4	3922.9	3446.5	3082.9	2692.1	2311.8	1896.2	1597.1	1401.2
17.5°	5242.1	5120.3	4766.5	3910.6	3268.2	2773.2	2279.1	1832.6	1381.8	1079.1	939.7
20°	5619.7	5460.0	5010.9	3907.1	3052.1	2405.3	1778.8	1274.1	910.6	732.4	659.1
22.5°	6214.4	6003.5	5362.1	3935.3	2828.8	2018.8	1284.7	865.6	683.8	591.2	547.9
25°	6932.6	6688.2	5867.6	4035.0	2632.9	1642.9	933.5	683.8	577.1	509.1	472.9
27.5°	7615.6	7417.1	6506.5	4178.8	2481.2	1339.4	757.9	579.7	493.2	448.2	419.1
30°	8297.6	8047.9	7162.1	4350.0	2298.5	1133.8	666.2	528.5	442.1	394.4	375.9
32.5°	8793.5	8586.2	7675.6	4473.5	2103.5	999.7	595.6	483.5	412.9	364.4	337.1
35°	9376.8	9142.1	8115.9	4500.9	1978.2	915.0	535.6	435.0	358.2	315.0	285.9
37.5°	10006.8	9714.7	8624.1	4440.9	1880.3	873.5	490.6	412.9	334.4	290.3	259.4
40°	10703.8	10373.8	9112.1	4354.4	1784.1	859.4	456.2	396.2	315.9	270.9	239.1
42.5°	11437.9	11048.8	9534.7	4263.5	1723.2	810.9	452.6	379.4	301.8	253.2	221.5
45°	12054.7	11660.3	9968.8	4233.5	1680.0	757.9	467.6	367.9	292.1	239.1	208.2
47.5°	12546.2	12172.9	10413.5	4300.6	1655.3	709.4	426.2	382.9	286.8	226.8	196.8
50°	13132.9	12710.3	11040.0	4500.9	1619.1	660.9	385.6	438.5	286.8	218.8	187.1
52.5°	13868.8	13450.6	11738.8	4811.5	1546.8	593.8	346.8	439.4	289.4	208.2	174.7
55°	14794.4	14490.9	12736.8	5152.1	1431.2	495.0	300.0	377.6	278.8	188.8	163.2
57.5°	15682.1	15434.1	13646.5	5385.0	1276.8	386.5	261.2	304.4	255.0	165.9	145.6
59°	15924.7	15653.8	13980.0	5395.6	1161.2	337.1	241.8	251.5	249.7	155.3	135.0
60°	15924.7	15637.1	14076.2	5339.1	1077.4	309.7	229.4	224.1	260.3	148.2	128.8
62.5°	15636.2	15232.1	13763.8	4957.1	878.8	263.8	200.3	185.3	233.8	133.2	113.8
65°	15036.2	14447.6	12699.7	4266.2	783.5	241.8	172.9	151.8	162.4	117.4	99.7
67.5°	14035.6	13237.9	11165.3	3446.5	745.6	235.6	149.1	128.8	122.6	100.6	87.4
70°	12273.5	11388.5	9302.6	2709.7	712.9	232.9	125.3	108.5	98.8	84.7	74.1
72.5°	8932.9	8010.0	6604.4	2118.5	693.5	238.2	100.6	90.9	81.2	66.2	57.4
75°	5109.7	4505.3	3712.1	1399.4	591.2	227.6	77.6	75.9	58.2	47.6	39.7
77.5°	2640.0	2559.7	2224.4	537.4	283.2	99.7	51.2	44.1	34.4	29.1	23.8
80°	1139.1	1126.8	975.0	155.3	75.0	55.6	29.1	18.5	15.9	12.4	9.7
82.5°	393.5	393.5	346.8	52.1	33.5	27.4	3.5	0.0	0.0	0.0	0.0
85°	79.4	89.1	62.6	0.0	11.5	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1
2.5°	5291.5	5184.7	5177.6	5110.6	5026.8	4988.8	4966.8	5005.6	5053.2	5058.5	5130.0
5°	4107.4	3995.3	4042.1	3922.9	3946.8	3922.9	3884.1	3891.2	3912.4	3846.2	3928.2
7.5°	2884.4	2799.7	2853.5	2821.8	2864.1	2880.9	2857.1	2821.8	2717.6	2705.3	2776.8
10°	2174.1	2077.9	2020.6	1960.6	1973.8	2001.2	1992.4	1966.8	1900.6	1904.1	1972.9
12.5°	1747.1	1639.4	1525.6	1378.2	1342.1	1362.4	1342.1	1327.1	1263.5	1268.8	1329.7
15°	1325.3	1237.1	1117.9	999.7	935.3	941.5	885.0	845.3	805.6	757.9	795.0
17.5°	894.7	840.9	805.6	770.3	693.5	675.9	604.4	527.6	497.6	475.6	491.5
20°	633.5	604.4	590.3	588.5	544.4	522.4	452.6	405.0	390.0	385.6	395.3
22.5°	529.4	508.2	487.9	476.5	454.4	428.8	375.9	352.1	341.5	336.2	343.2
25°	460.6	444.7	423.5	404.1	395.3	367.9	330.0	312.4	305.3	300.0	303.5
27.5°	409.4	395.3	370.6	358.2	351.2	327.4	294.7	280.6	274.4	272.6	271.8
30°	368.8	355.6	332.6	318.5	306.2	285.0	265.6	251.5	245.3	243.5	241.8
32.5°	328.2	317.6	302.6	288.5	275.3	255.9	239.1	227.6	217.9	216.2	215.3
35°	277.1	266.5	258.5	257.6	245.3	226.8	214.4	199.4	191.5	188.8	189.7
37.5°	246.2	232.1	214.4	220.6	217.1	203.8	187.1	172.1	164.1	162.4	162.4
40°	226.8	211.8	191.5	180.9	191.5	188.8	162.4	147.4	139.4	138.5	136.8
42.5°	208.2	193.2	170.3	152.6	157.9	165.9	140.3	126.2	118.2	116.5	113.8
45°	195.0	179.1	153.5	133.2	122.6	139.4	120.0	102.4	97.9	94.4	92.6
47.5°	182.6	167.6	138.5	115.6	97.9	100.6	96.2	83.8	78.5	75.0	74.1
50°	172.1	156.2	125.3	98.8	81.2	74.1	77.6	66.2	61.8	58.2	56.5
52.5°	159.7	144.7	111.2	85.6	67.9	58.2	59.1	52.1	47.6	45.0	44.1
55°	150.0	135.0	99.7	75.0	60.0	47.6	42.4	40.6	37.9	36.2	35.3
57.5°	136.8	122.6	88.2	63.5	51.2	38.8	32.6	32.6	31.8	30.0	29.1
59°	128.8	116.5	81.2	57.4	46.8	33.5	29.1	30.0	29.1	27.4	26.5
60°	122.6	111.2	75.9	52.9	44.1	30.9	26.5	28.2	27.4	25.6	24.7
62.5°	108.5	100.6	65.3	44.1	38.8	24.7	22.1	23.8	23.8	22.9	22.1
65°	95.3	86.5	55.6	37.1	36.2	21.2	17.6	21.2	22.1	20.3	18.5
67.5°	82.9	74.1	48.5	30.0	33.5	16.8	13.2	17.6	23.8	18.5	16.8
70°	70.6	61.8	37.9	23.8	35.3	11.5	10.6	15.9	28.2	20.3	15.9
72.5°	54.7	47.6	26.5	17.6	37.9	7.9	7.9	13.2	31.8	22.1	15.0
75°	37.9	30.9	15.9	10.6	30.9	5.3	5.3	12.4	30.0	20.3	14.1
77.5°	22.1	16.8	5.3	0.9	15.9	0.0	0.9	8.8	21.2	12.4	6.2
80°	7.9	3.5	0.0	0.0	9.7	0.0	0.0	0.0	1.8	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1
2.5°	5148.5	5267.6	5374.4	5535.9	5727.4	5947.9	6137.6	6341.5	6532.9	6612.4	6667.1
5°	3945.0	4092.4	4264.4	4501.8	4817.6	5206.8	5571.2	5983.2	6426.2	6647.6	6855.9
7.5°	2789.1	2939.1	3152.6	3405.0	3787.1	4250.3	4726.8	5295.9	5895.9	6246.2	6591.2
10°	2005.6	2190.0	2389.4	2734.4	3122.6	3562.1	4052.6	4687.9	5356.8	5745.0	6160.6
12.5°	1365.0	1575.0	1876.8	2263.2	2719.4	3150.0	3576.2	4182.4	4958.8	5343.5	5789.1
15°	818.8	935.3	1254.7	1702.1	2261.5	2797.9	3264.7	3872.6	4700.3	5171.5	5634.7
17.5°	504.7	558.5	732.4	1099.4	1687.1	2365.6	3005.3	3767.6	4737.4	5310.9	5806.8
20°	402.4	423.5	479.1	649.4	1117.9	1889.1	2713.2	3746.5	5040.0	5745.9	6277.9
22.5°	349.4	369.7	406.8	472.1	703.2	1414.4	2436.2	3765.9	5474.1	6397.9	7019.1
25°	307.9	325.6	360.9	414.7	515.3	996.2	2139.7	3852.4	6039.7	7207.1	7867.1
27.5°	275.3	290.3	322.9	372.4	442.1	695.3	1803.5	3957.4	6710.3	8034.7	8685.9
30°	245.3	258.5	287.6	333.5	383.8	534.7	1434.7	4028.8	7381.8	8685.9	9270.9
32.5°	219.7	229.4	255.9	294.7	333.5	426.2	1090.6	4017.4	7880.3	9227.6	9691.8
35°	193.2	202.9	225.9	259.4	290.3	352.1	857.6	3802.9	8314.4	9789.7	10173.5
37.5°	164.1	176.5	198.5	228.5	249.7	309.7	693.5	3544.4	8754.7	10432.1	10710.9
40°	139.4	151.8	171.2	203.8	217.1	293.8	532.9	3229.4	9249.7	11150.3	11300.3
42.5°	115.6	127.1	147.4	175.6	204.7	253.2	394.4	2869.4	9725.3	11764.4	11837.6
45°	93.5	105.0	126.2	154.4	218.8	210.0	305.3	2483.8	10109.1	12275.3	12299.1
47.5°	74.1	84.7	106.8	145.6	203.8	167.6	217.9	2181.2	10431.2	12674.1	12611.5
50°	57.4	66.2	89.1	166.8	178.2	138.5	165.0	2080.6	10719.7	12921.2	12758.8
52.5°	45.0	52.9	73.2	156.2	138.5	114.7	138.5	2175.0	11115.0	13125.9	12841.8
55°	36.2	44.1	57.4	89.1	94.4	97.1	118.2	2263.2	11797.1	13605.9	13331.5
57.5°	30.0	37.9	46.8	62.6	71.5	82.1	105.0	2272.9	12600.9	14403.5	14144.1
59°	27.4	34.4	42.4	55.6	62.6	75.0	98.8	2220.0	12884.1	14693.8	14564.1
60°	25.6	32.6	39.7	51.2	58.2	70.6	95.3	2169.7	12896.5	14683.2	14743.2
62.5°	22.1	29.1	35.3	43.2	49.4	60.0	85.6	1983.5	12374.1	14202.4	14635.6
65°	19.4	25.6	31.8	37.1	42.4	53.8	77.6	1643.8	11482.1	13426.8	13898.8
67.5°	17.6	22.1	29.1	32.6	37.9	47.6	68.8	1171.8	10367.6	12478.2	12784.4
70°	15.9	21.2	26.5	30.0	34.4	41.5	59.1	673.2	8754.7	11089.4	11307.4
72.5°	15.0	20.3	23.8	28.2	30.9	37.1	53.8	316.8	6410.3	8883.5	9452.6
75°	13.2	18.5	22.1	26.5	29.1	33.5	45.9	151.8	4263.5	6428.8	7075.6
77.5°	7.9	15.0	20.3	23.8	25.6	29.1	37.9	87.4	2721.2	4449.7	5241.2
80°	0.0	5.3	15.0	20.3	22.1	24.7	29.1	68.8	1455.9	2542.1	3051.2
82.5°	0.0	0.0	10.6	15.9	15.0	16.8	22.1	43.2	656.5	1661.5	1872.4
85°	0.0	0.0	3.5	12.4	10.6	7.9	15.0	15.0	143.8	840.9	1049.1
87.5°	0.0	0.0	0.0	0.9	5.3	3.5	6.2	1.8	0.9	62.6	254.1
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°	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1	6067.1
2.5°	6858.5	6923.8	7034.1	7086.2	7060.6	6952.1	6822.4	6690.0	6612.4	6643.2
5°	7280.3	7616.5	7810.6	7875.0	7767.4	7523.8	7205.3	6785.3	6636.2	6595.6
7.5°	7280.3	7912.9	8313.5	8384.1	8144.1	7666.8	7069.4	6413.8	6195.9	6116.5
10°	7024.4	7885.6	8444.1	8556.2	8220.9	7507.1	6706.8	5958.5	5700.0	5617.9
12.5°	6735.9	7663.2	8251.8	8406.2	8130.9	7348.2	6455.3	5650.6	5346.2	5274.7
15°	6558.5	7389.7	7876.8	7988.8	7872.4	7255.6	6395.3	5557.9	5199.7	5130.9
17.5°	6622.1	7177.9	7353.5	7418.8	7497.4	7222.9	6558.5	5760.9	5307.4	5242.1
20°	6861.2	6954.7	6863.8	6945.9	7157.6	7254.7	6947.6	6251.5	5707.1	5619.7
22.5°	7267.1	6839.1	6584.1	6616.8	6874.4	7359.7	7542.4	6952.1	6323.8	6214.4
25°	7740.0	6932.6	6428.8	6399.7	6664.4	7498.2	8085.9	7714.4	7053.5	6932.6
27.5°	8334.7	7142.6	6397.1	6367.9	6591.2	7627.9	8537.6	8467.9	7822.1	7615.6
30°	8793.5	7349.1	6491.5	6424.4	6664.4	7717.9	8900.3	9107.6	8434.4	8297.6
32.5°	9122.6	7592.6	6645.0	6547.9	6870.9	7873.2	9180.0	9693.5	9000.9	8793.5
35°	9373.2	7857.4	6892.9	6733.2	7155.0	8108.8	9442.1	10317.4	9603.5	9376.8
37.5°	9607.9	8228.8	7280.3	7089.7	7600.6	8488.2	9719.1	11025.0	10277.6	10006.8
40°	9935.3	8649.7	7877.6	7708.2	8349.7	9005.3	10065.0	11762.6	11044.4	10703.8
42.5°	10262.6	9101.5	8489.1	8535.0	9284.1	9633.5	10511.5	12542.6	11801.5	11437.9
45°	10561.8	9567.4	9360.0	9571.8	10151.5	10322.6	10955.3	12993.5	12405.9	12054.7
47.5°	10828.2	10149.7	10225.6	10789.4	11137.9	10946.5	11287.1	13382.6	12855.9	12546.2
50°	11137.9	10903.2	11366.5	12164.1	12273.5	11511.2	11588.8	13843.2	13381.8	13132.9
52.5°	11476.8	11697.4	12630.0	13333.2	13297.9	12124.4	11892.4	14359.4	14102.6	13868.8
55°	11861.5	12338.8	13742.6	14427.4	14397.4	12809.1	12395.3	14997.4	15006.2	14794.4
57.5°	12432.4	12891.2	14497.9	15312.4	15362.6	13599.7	13247.6	15712.1	15823.2	15682.1
59°	12841.8	13249.4	14797.1	15682.1	15886.8	14211.2	13870.6	16126.8	16053.5	15924.7
60°	13145.3	13477.1	14945.3	15875.3	16191.2	14625.9	14330.3	16370.3	16080.9	15924.7
62.5°	13896.2	13972.9	15212.6	16094.1	16541.5	15547.1	15623.8	16785.0	15891.2	15636.2
65°	14246.5	14286.2	15209.1	15702.4	16202.6	16264.4	16797.4	16797.4	15427.9	15036.2
67.5°	14100.0	13908.5	14454.7	14403.5	14902.9	15838.2	17238.5	16181.5	14542.1	14035.6
70°	12908.8	12172.1	11929.4	11951.5	12333.5	13776.2	16365.0	14369.1	12865.6	12273.5
72.5°	10740.9	8973.5	8374.4	9058.2	9157.9	10587.4	13946.5	10821.2	9487.9	8932.9
75°	8639.1	6325.6	5351.5	6073.2	6242.6	7747.9	10788.5	6739.4	5542.1	5109.7
77.5°	6206.5	4540.6	3840.0	3789.7	4008.5	4913.8	7655.3	3391.8	2828.8	2640.0
80°	3525.9	2988.5	3217.9	3036.2	3146.5	3072.4	3637.1	1487.6	1218.5	1139.1
82.5°	2128.2	1766.5	1912.9	1592.6	2015.3	1755.0	1401.2	476.5	413.8	393.5
85°	1384.4	965.3	502.9	337.1	694.4	1121.5	313.2	129.7	99.7	79.4
87.5°	477.4	246.2	24.7	10.6	74.1	209.1	11.5	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

(END OF REPORT)