

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: McGRAW-EDISON

Report Number: P531175

Luminaire Tested: **GALN-SA6C-722-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-722-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16943 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

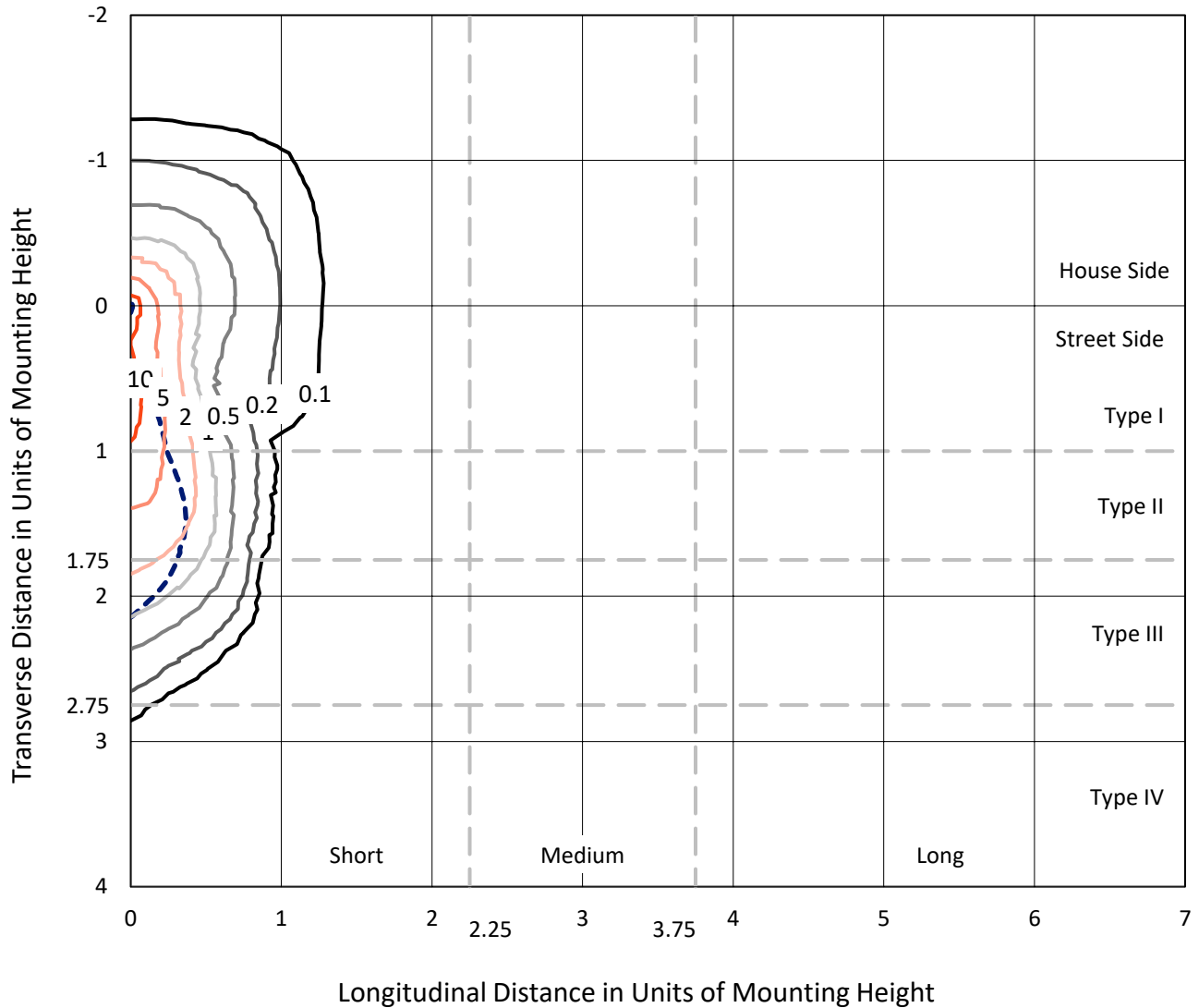
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

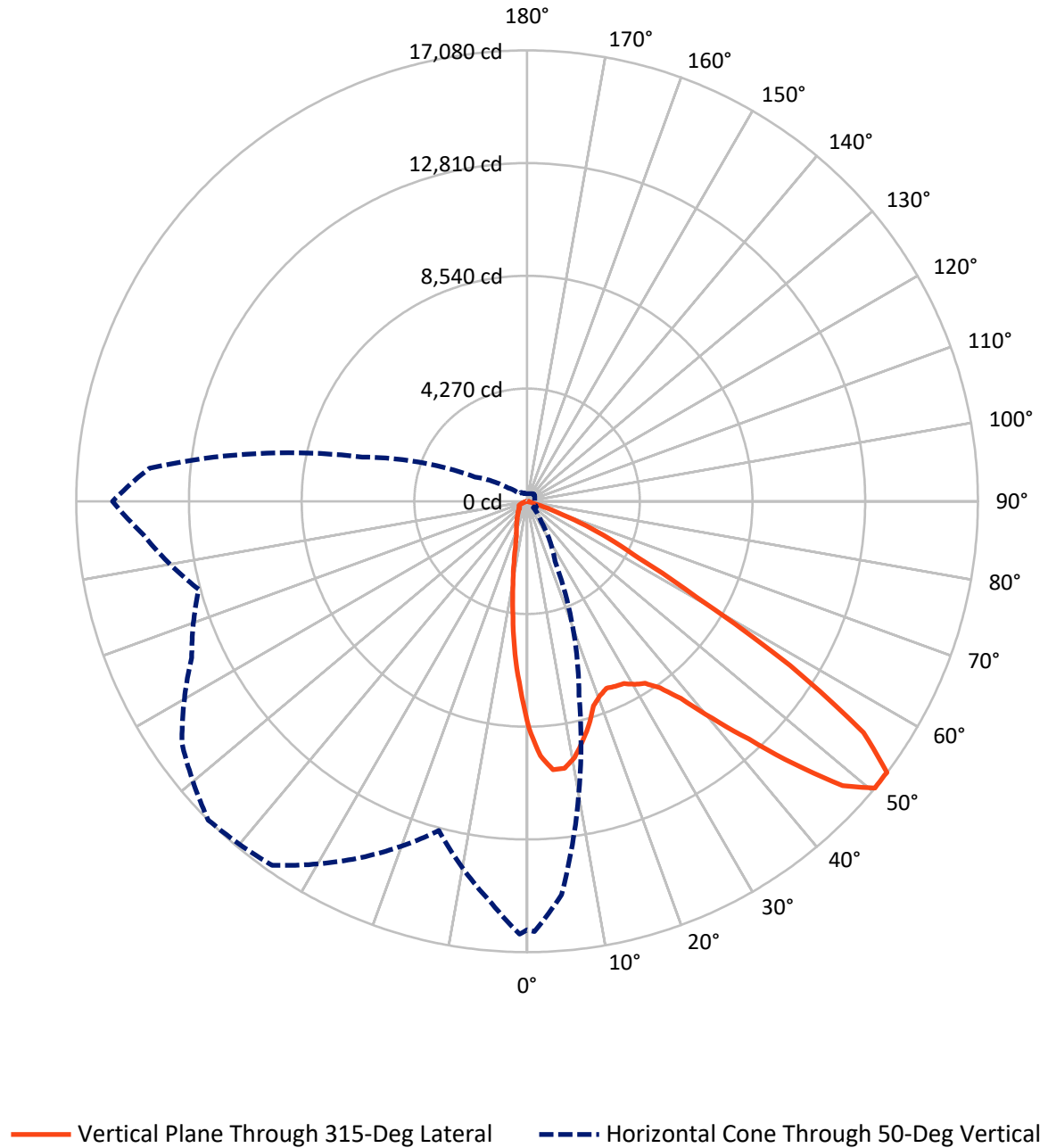
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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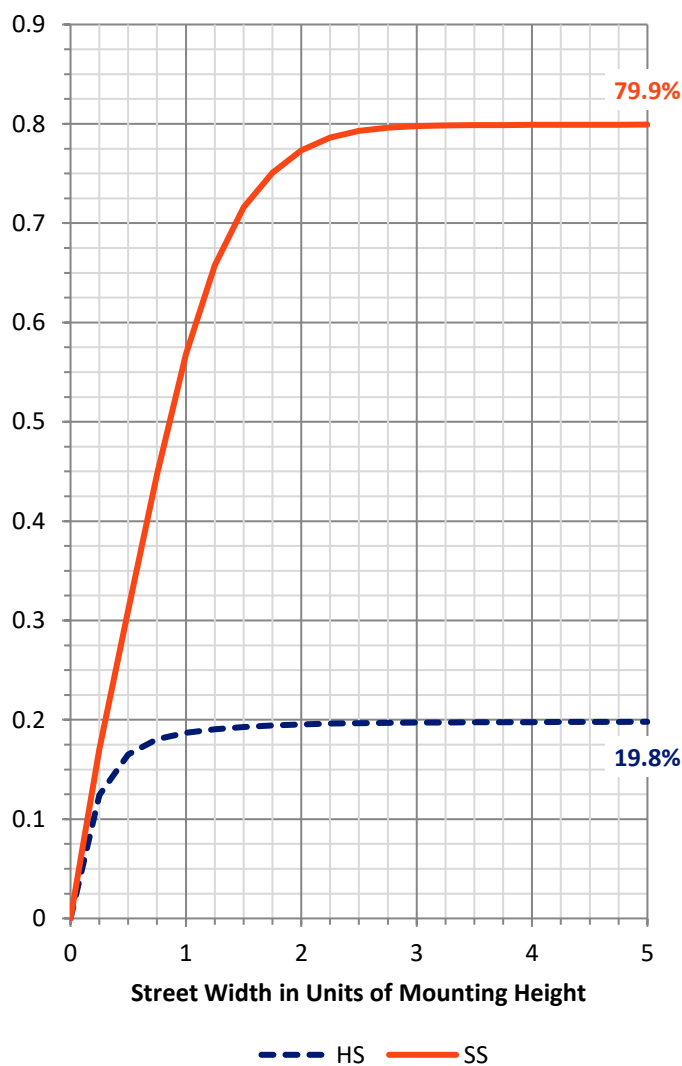
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3393.7	0.0	3393.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	13549.3	0.0	13549.3
	% Fixture	80.0	0.0	80.0
Total	Lumens	16943.0	0.0	16943.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.3	3.7
10°-20°	1244.7	7.3
20°-30°	1869.9	11.0
30°-40°	2806.7	16.6
40°-50°	3944.6	23.3
50°-60°	4255.0	25.1
60°-70°	1975.6	11.7
70°-80°	185.9	1.1
80°-90°	34.3	0.2
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°	16943.0	100.0
0°-180°	16943.0	100.0

Coefficient of Utilization



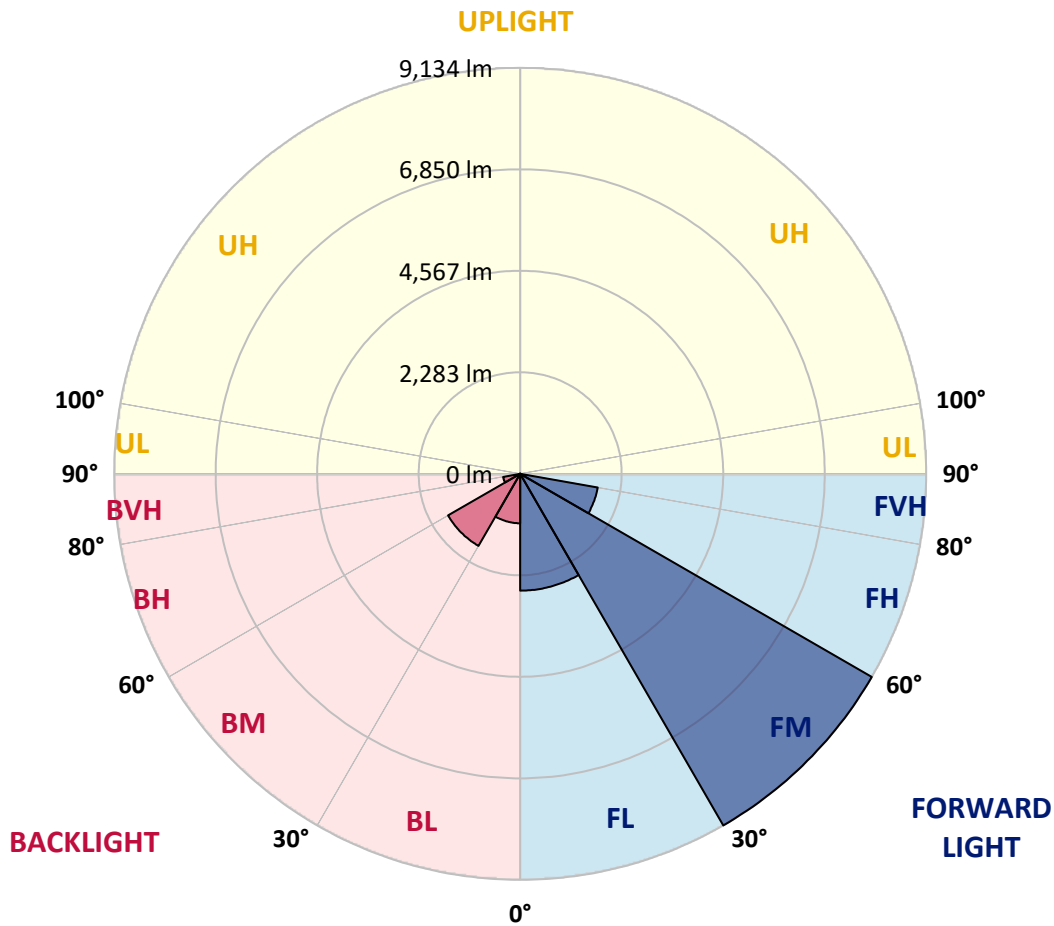
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2628.6	15.5			
FM (30°-60°)	9133.5	53.9			
FH (60°-80°)	1771.8	10.5			G1/1800
FVH (80°-90°)	15.4	0.1			G1/100
BL (0°-30°)	1112.4	6.6	B3/2500		
BM (30°-60°)	1872.8	11.1	B2/2500		
BH (60°-80°)	389.7	2.3	B1/500		G1/500
BVH (80°-90°)	18.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2
2.5°	8931.8	8793.9	8619.1	8474.6	8259.4	7825.8	7708.1	7567.0	7449.3	7291.3	7069.4
5°	8121.6	8077.9	7997.2	7452.7	7059.3	6534.9	6104.7	5923.1	5684.5	5489.5	5348.3
7.5°	7503.1	7328.3	7072.8	6524.9	5896.2	5334.9	4857.5	4578.5	4262.5	4154.9	3963.3
10°	6840.8	6881.2	6504.7	5734.9	4975.2	4521.3	4225.5	3956.6	3670.9	3482.6	3210.3
12.5°	6629.1	6498.0	6208.9	5257.5	4608.7	4185.2	3825.5	3492.7	3190.2	2887.6	2625.4
15°	6766.9	6565.2	6161.8	5156.7	4326.4	3798.6	3348.1	2897.7	2618.7	2232.1	1959.8
17.5°	7261.0	7099.7	6558.5	5264.3	4181.8	3428.8	2759.9	2296.0	1869.0	1519.4	1381.6
20°	8084.6	7856.0	7177.0	5402.1	3966.7	2981.7	2238.8	1667.4	1264.0	1116.0	1038.7
22.5°	8891.4	8767.0	7909.8	5667.6	3775.1	2585.1	1680.8	1122.8	944.6	917.7	867.3
25°	10427.7	10054.5	9029.2	6148.4	3627.2	2211.9	1267.3	904.3	800.1	779.9	786.6
27.5°	11342.0	11029.4	10064.6	6467.7	3462.4	1926.2	1072.3	830.3	759.7	716.0	699.2
30°	12219.4	11856.3	10578.9	6656.0	3109.5	1623.7	951.3	796.7	779.9	716.0	695.9
32.5°	12895.1	12538.7	11321.9	6938.3	2964.9	1428.7	783.3	621.9	578.2	571.5	632.0
35°	13930.4	13550.6	11957.2	7093.0	2854.0	1327.8	679.0	554.7	504.2	484.1	487.4
37.5°	14895.2	14636.4	12545.5	7153.5	2736.3	1297.6	608.4	497.5	453.8	440.4	437.0
40°	15702.0	15123.8	13103.5	7217.3	2685.9	1240.4	564.7	453.8	423.6	403.4	403.4
42.5°	16071.8	15483.5	13728.8	7180.4	2672.5	1149.7	564.7	416.8	393.3	373.1	369.8
45°	15991.1	15752.4	14007.8	7163.6	2672.5	1058.9	514.3	406.8	373.1	346.2	339.5
47.5°	16199.5	15886.9	14357.4	7234.2	2618.7	995.0	433.6	426.9	353.0	319.4	312.6
50°	16236.5	16297.0	14965.8	7600.6	2501.0	914.4	339.5	420.2	339.5	289.1	282.4
52°	16478.5	16102.0	15150.7	7795.5	2376.6	853.8	285.7	359.7	326.1	268.9	262.2
52.5°	16145.7	16391.1	15194.4	7866.1	2390.1	813.5	275.7	353.0	319.4	268.9	252.1
55°	15772.6	16007.9	15016.2	8017.4	2191.8	638.7	215.1	255.5	289.1	235.3	225.2
57.5°	13708.6	13947.3	13049.7	7341.7	1785.0	450.5	178.2	191.6	255.5	218.5	208.4
60°	12185.8	12014.3	10952.1	6124.8	1267.3	252.1	141.2	147.9	279.0	201.7	198.3
62.5°	11137.0	10770.6	9153.6	4729.8	773.2	168.1	110.9	114.3	215.1	188.2	188.2
65°	8239.3	7829.2	6081.1	2860.7	379.9	117.7	84.0	90.8	134.5	161.4	161.4
67.5°	4702.9	4544.9	2938.0	1290.9	158.0	74.0	63.9	70.6	104.2	131.1	124.4
70°	2161.5	1939.6	1129.5	272.3	74.0	50.4	50.4	57.1	84.0	97.5	90.8
72.5°	632.0	598.4	275.7	43.7	30.3	30.3	33.6	43.7	63.9	74.0	67.2
75°	47.1	30.3	20.2	13.4	13.4	20.2	26.9	43.7	63.9	70.6	57.1
77.5°	3.4	6.7	3.4	3.4	10.1	20.2	30.3	53.8	84.0	87.4	63.9
80°	3.4	3.4	0.0	3.4	10.1	20.2	33.6	60.5	94.1	100.8	53.8
82.5°	0.0	0.0	0.0	3.4	13.4	26.9	40.3	63.9	87.4	107.6	57.1
85°	0.0	0.0	0.0	3.4	20.2	37.0	47.1	16.8	10.1	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°	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2
2.5°	7227.4	7140.0	7106.4	7136.7	7126.6	7116.5	7301.4	7261.0	7254.3	7314.8	7301.4
5°	5425.6	5271.0	5694.5	5523.1	5701.3	5808.8	5829.0	5839.1	5963.5	5832.4	6003.8
7.5°	3865.8	3906.2	3902.8	4017.1	4222.2	4403.7	4511.3	4427.2	4420.5	4403.7	4329.7
10°	3089.3	3018.7	3005.3	2978.4	3042.2	3196.9	3328.0	3223.8	3149.8	3250.7	3220.4
12.5°	2524.6	2427.1	2373.3	2265.7	2269.1	2373.3	2373.3	2373.3	2447.2	2504.4	2548.1
15°	1936.3	1855.6	1855.6	1748.0	1724.5	1727.9	1781.6	1788.4	1906.0	1939.6	1956.4
17.5°	1354.7	1311.0	1361.4	1405.1	1378.3	1385.0	1405.1	1411.9	1428.7	1415.2	1448.8
20°	1042.1	1035.4	1048.8	1126.1	1183.3	1216.9	1193.4	1159.8	1139.6	1092.5	1092.5
22.5°	884.1	897.5	921.1	984.9	1058.9	1079.1	1052.2	974.9	914.4	907.6	911.0
25°	786.6	800.1	837.0	877.4	917.7	951.3	924.4	867.3	833.7	803.4	803.4
27.5°	726.1	732.8	753.0	783.3	816.9	843.8	833.7	803.4	766.4	753.0	722.7
30°	679.0	689.1	712.7	719.4	749.6	763.1	746.3	739.6	716.0	699.2	689.1
32.5°	655.5	652.1	669.0	675.7	679.0	689.1	669.0	679.0	675.7	648.8	638.7
35°	494.2	521.0	564.7	601.7	611.8	625.3	621.9	608.4	571.5	541.2	504.2
37.5°	443.7	460.5	484.1	514.3	554.7	571.5	564.7	531.1	487.4	467.3	460.5
40°	410.1	420.2	440.4	460.5	500.9	531.1	507.6	477.3	443.7	426.9	416.8
42.5°	379.9	383.2	393.3	413.5	443.7	490.8	450.5	410.1	396.7	386.6	379.9
45°	346.2	346.2	359.7	369.8	403.4	447.1	406.8	369.8	363.1	356.3	353.0
47.5°	319.4	322.7	329.4	342.9	369.8	400.0	373.1	342.9	326.1	322.7	316.0
50°	285.7	289.1	302.5	316.0	349.6	366.4	349.6	316.0	299.2	289.1	289.1
52°	258.8	268.9	282.4	309.3	332.8	359.7	339.5	302.5	282.4	272.3	265.6
52.5°	255.5	262.2	275.7	305.9	332.8	356.3	336.2	299.2	275.7	268.9	262.2
55°	228.6	238.7	262.2	299.2	329.4	356.3	329.4	295.8	262.2	245.4	238.7
57.5°	218.5	225.2	255.5	302.5	326.1	356.3	329.4	295.8	262.2	232.0	225.2
60°	208.4	221.9	255.5	292.5	322.7	359.7	332.8	292.5	255.5	218.5	218.5
62.5°	198.3	208.4	252.1	285.7	309.3	346.2	319.4	285.7	245.4	208.4	205.1
65°	171.4	188.2	221.9	238.7	265.6	299.2	272.3	248.8	215.1	184.9	181.5
67.5°	131.1	137.8	164.7	184.9	201.7	232.0	218.5	188.2	164.7	141.2	141.2
70°	90.8	97.5	117.7	127.7	144.5	161.4	151.3	127.7	110.9	97.5	94.1
72.5°	63.9	67.2	74.0	80.7	87.4	94.1	90.8	74.0	63.9	60.5	57.1
75°	50.4	57.1	60.5	57.1	53.8	50.4	50.4	43.7	37.0	33.6	33.6
77.5°	50.4	53.8	50.4	43.7	37.0	33.6	30.3	26.9	20.2	16.8	20.2
80°	43.7	43.7	43.7	37.0	33.6	30.3	26.9	23.5	20.2	16.8	16.8
82.5°	47.1	47.1	43.7	37.0	37.0	30.3	30.3	26.9	23.5	16.8	16.8
85°	0.0	0.0	0.0	6.7	16.8	30.3	30.3	26.9	23.5	20.2	20.2
87.5°	0.0	0.0	0.0	0.0	3.4	6.7	13.4	16.8	20.2	20.2	20.2
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°	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2
2.5°	7422.4	7550.1	7792.2	8034.2	8182.1	8356.9	8672.9	8841.0	9059.5	9167.1	9378.8
5°	5980.3	6282.8	6390.4	6666.0	6961.9	7257.7	7728.3	8246.0	8676.3	8972.1	9355.3
7.5°	4363.4	4433.9	4850.8	5035.7	5519.7	6057.6	6699.7	7351.8	7896.4	8380.5	8672.9
10°	3270.8	3529.7	3791.9	4144.8	4534.8	5089.5	5704.6	6424.0	7129.9	7614.0	7983.8
12.5°	2628.8	2833.8	3183.4	3563.3	4044.0	4410.4	5028.9	5741.6	6656.0	7129.9	7617.4
15°	1990.1	2252.3	2648.9	3042.2	3549.8	3936.4	4561.7	5459.2	6635.8	7287.9	7708.1
17.5°	1475.7	1653.9	2010.2	2450.6	2968.3	3512.9	4356.6	5429.0	6861.0	7637.5	8071.2
20°	1129.5	1190.0	1415.2	1808.5	2369.9	3082.6	4023.8	5560.1	7526.6	8488.0	8928.4
22.5°	914.4	941.2	1028.6	1300.9	1845.5	2706.1	3865.8	5650.8	8276.2	9506.6	10094.9
25°	796.7	790.0	847.1	964.8	1442.1	2353.1	3664.1	5993.7	9194.0	10703.3	11231.1
27.5°	726.1	726.1	753.0	837.0	1196.7	2124.5	3536.4	6239.1	10118.4	11755.5	12041.2
30°	689.1	695.9	773.2	800.1	995.0	1852.2	3324.6	6487.9	11002.5	12427.8	12821.1
32.5°	638.7	611.8	595.0	662.2	837.0	1606.8	3112.8	6592.1	11718.5	13251.4	13587.6
35°	490.8	477.3	497.5	547.9	719.4	1398.4	2877.5	6709.7	12542.1	14206.1	14273.3
37.5°	443.7	440.4	453.8	497.5	605.1	1216.9	2709.4	6679.5	13170.7	14996.1	14814.5
40°	410.1	410.1	420.2	457.2	541.2	1089.2	2534.6	6652.6	13779.2	15883.5	15352.4
42.5°	383.2	383.2	400.0	423.6	514.3	1005.1	2403.5	6615.6	14290.1	16428.1	15668.4
45°	346.2	356.3	383.2	406.8	521.0	948.0	2306.1	6474.4	14464.9	16421.4	15517.1
47.5°	319.4	332.8	359.7	393.3	470.6	931.2	2238.8	6350.1	14404.4	16018.0	15043.1
50°	289.1	305.9	342.9	400.0	400.0	897.5	2168.2	6461.0	14360.7	15705.4	14589.3
52°	268.9	282.4	329.4	389.9	349.6	827.0	2124.5	6676.1	14538.9	15665.0	14387.6
52.5°	265.6	275.7	319.4	383.2	332.8	813.5	2094.3	6726.6	14596.0	15564.2	14525.5
55°	235.3	248.8	292.5	299.2	272.3	669.0	1996.8	6840.8	14313.7	15365.9	14394.3
57.5°	221.9	228.6	258.8	245.4	235.3	504.2	1717.8	6662.7	12713.6	13648.1	13392.6
60°	205.1	211.8	242.0	191.6	198.3	353.0	1290.9	5785.3	10209.2	11372.3	11832.8
62.5°	198.3	195.0	228.6	154.6	168.1	255.5	911.0	4702.9	7866.1	9362.0	10158.7
65°	174.8	171.4	164.7	131.1	144.5	198.3	544.6	3069.1	5543.3	7082.9	7519.9
67.5°	134.5	141.2	121.0	104.2	121.0	154.6	302.5	1374.9	2907.8	4249.1	4602.0
70°	94.1	100.8	97.5	90.8	107.6	127.7	174.8	470.6	1203.5	2232.1	2460.7
72.5°	57.1	70.6	74.0	77.3	94.1	110.9	124.4	151.3	319.4	790.0	981.6
75°	33.6	47.1	57.1	67.2	77.3	94.1	104.2	107.6	110.9	147.9	238.7
77.5°	23.5	33.6	50.4	63.9	77.3	94.1	110.9	117.7	110.9	104.2	110.9
80°	20.2	33.6	47.1	60.5	80.7	97.5	110.9	110.9	107.6	94.1	100.8
82.5°	20.2	33.6	50.4	63.9	77.3	94.1	107.6	110.9	100.8	94.1	97.5
85°	23.5	37.0	53.8	67.2	84.0	77.3	70.6	57.1	53.8	43.7	47.1
87.5°	23.5	33.6	33.6	37.0	40.3	40.3	40.3	37.0	30.3	26.9	26.9
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°	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2	8592.2
2.5°	9388.9	9657.9	9647.8	9654.5	9614.2	9341.9	9210.8	8878.0	8972.1	8931.8
5°	9748.6	10014.2	10242.8	10215.9	9906.6	9536.8	8988.9	8471.2	8330.0	8121.6
7.5°	9388.9	10027.6	10239.4	10209.2	9752.0	9278.0	8404.0	7886.3	7640.9	7503.1
10°	8817.5	9557.0	9819.2	9873.0	9563.7	8844.4	8040.9	7210.6	7079.5	6840.8
12.5°	8491.4	9029.2	9190.6	9335.1	9227.6	8689.7	7765.3	6968.6	6787.1	6629.1
15°	8225.8	8545.2	8612.4	8777.1	8841.0	8551.9	7909.8	7230.8	6783.7	6766.9
17.5°	8471.2	8340.1	8094.7	8145.1	8346.8	8555.3	8283.0	7748.5	7314.8	7261.0
20°	8878.0	8299.8	7745.1	7869.5	8037.6	8676.3	8847.7	8471.2	8222.5	8084.6
22.5°	9345.2	8370.4	7634.2	7694.7	8014.0	8948.6	9762.1	9553.7	9089.8	8891.4
25°	10209.2	8565.3	7721.6	7761.9	8198.9	9328.4	10589.0	10743.7	10468.0	10427.7
27.5°	11052.9	9069.6	7913.2	7822.4	8293.1	9698.2	11089.9	11920.2	11436.1	11342.0
30°	11483.2	9479.7	8198.9	8044.3	8683.0	9923.4	11392.4	12686.7	12263.1	12219.4
32.5°	12142.1	9852.8	8420.8	8222.5	8901.5	10202.4	11957.2	13523.7	13113.6	12895.1
35°	12417.7	10259.6	8908.2	8676.3	9526.8	10592.4	12246.3	14270.0	14142.2	13930.4
37.5°	12948.9	10696.6	9483.1	9469.6	10283.1	11100.0	12767.3	15285.2	15261.6	14895.2
40°	12992.6	11173.9	10390.7	10814.3	11453.0	11984.1	13224.5	15567.5	15950.8	15702.0
42.5°	13059.8	12011.0	11960.6	12310.2	12858.1	12743.8	13241.3	15634.8	16219.7	16071.8
45°	13090.1	12848.0	13557.3	14202.7	14431.3	13738.8	13083.3	15507.0	16360.9	15991.1
47.5°	12848.0	13567.4	14848.2	16095.3	16162.5	14350.6	13016.1	15375.9	16444.9	16199.5
50°	12881.6	14017.9	15964.2	17080.3	16834.9	14891.9	12911.9	15295.3	16401.2	16236.5
52°	12801.0	14027.9	16122.2	17060.1	16888.7	14592.7	12733.7	14986.0	16360.9	16478.5
52.5°	12891.7	13967.4	15957.5	17073.5	16851.7	14740.6	12710.2	15157.4	16384.4	16145.7
55°	12579.1	13248.0	14992.7	15466.7	15433.1	13379.1	11987.4	14589.3	15769.2	15772.6
57.5°	11368.9	11483.2	11758.9	11748.8	11594.1	10518.4	10252.9	13416.1	14058.2	13708.6
60°	10017.6	8407.3	7664.4	7361.9	7190.5	7015.6	9069.6	12273.2	12333.7	12185.8
62.5°	8656.1	5829.0	4840.7	4756.7	4797.0	5435.7	8767.0	11819.4	11456.3	11137.0
65°	6985.4	4249.1	3516.2	3405.3	3798.6	4487.7	7096.3	9062.9	8504.8	8239.3
67.5°	4386.9	3099.4	2376.6	2168.2	2642.2	3089.3	4662.5	5694.5	5069.3	4702.9
70°	2601.9	1731.2	1075.7	964.8	1085.8	1647.2	2612.0	2840.5	2349.8	2161.5
72.5°	1025.3	635.3	299.2	255.5	265.6	578.2	961.4	937.9	709.3	632.0
75°	275.7	191.6	104.2	84.0	70.6	107.6	154.6	100.8	37.0	47.1
77.5°	127.7	114.3	90.8	70.6	53.8	40.3	20.2	6.7	6.7	3.4
80°	110.9	97.5	84.0	70.6	53.8	33.6	16.8	3.4	3.4	3.4
82.5°	104.2	90.8	77.3	63.9	50.4	33.6	16.8	3.4	0.0	0.0
85°	43.7	57.1	63.9	60.5	53.8	33.6	16.8	3.4	0.0	0.0
87.5°	23.5	20.2	16.8	13.4	10.1	6.7	6.7	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)