

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: P651460

Luminaire Tested: **GALN-SA6D-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28732.8 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

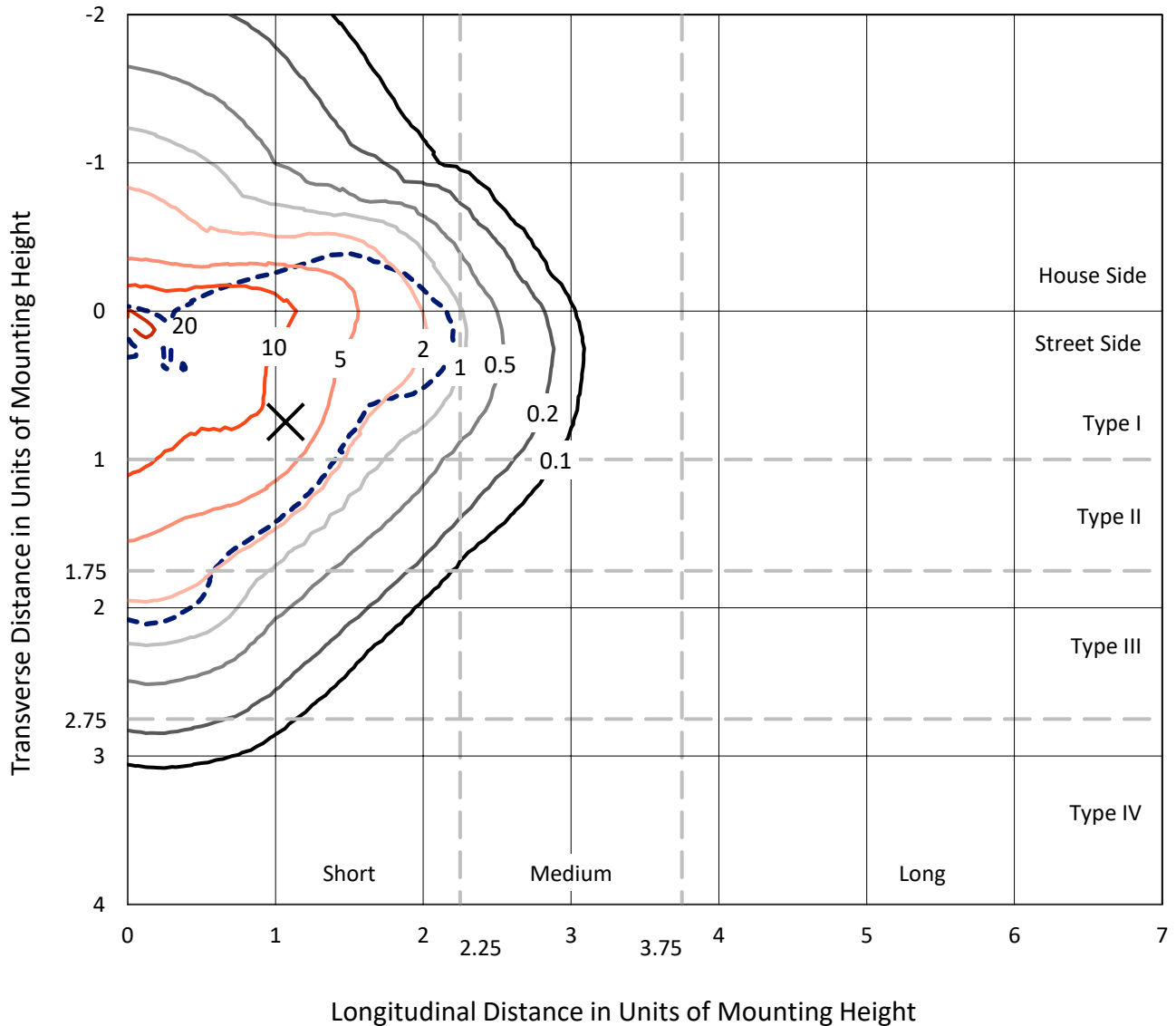
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

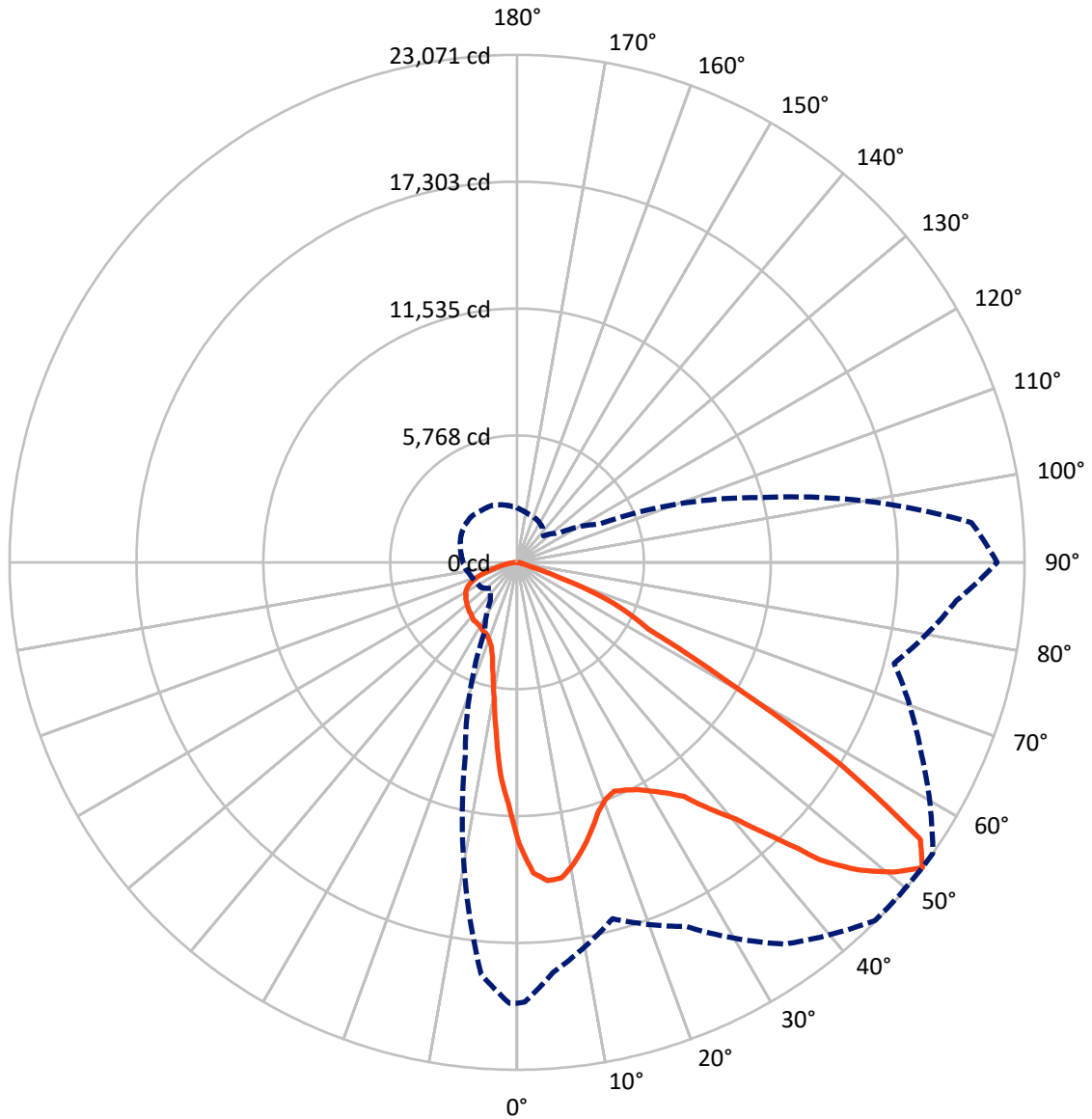
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8765.1	0.0	8765.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	19967.7	0.0	19967.7
	% Fixture	69.5	0.0	69.5
Total	Lumens	28732.8	0.0	28732.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	979.2	3.4
10°-20°	2111.3	7.3
20°-30°	3201.4	11.1
30°-40°	4625.5	16.1
40°-50°	6180.9	21.5
50°-60°	6899.3	24.0
60°-70°	3784.6	13.2
70°-80°	818.2	2.8
80°-90°	132.4	0.5
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°	28732.8	100.0
0°-180°	28732.8	100.0

Coefficient of Utilization



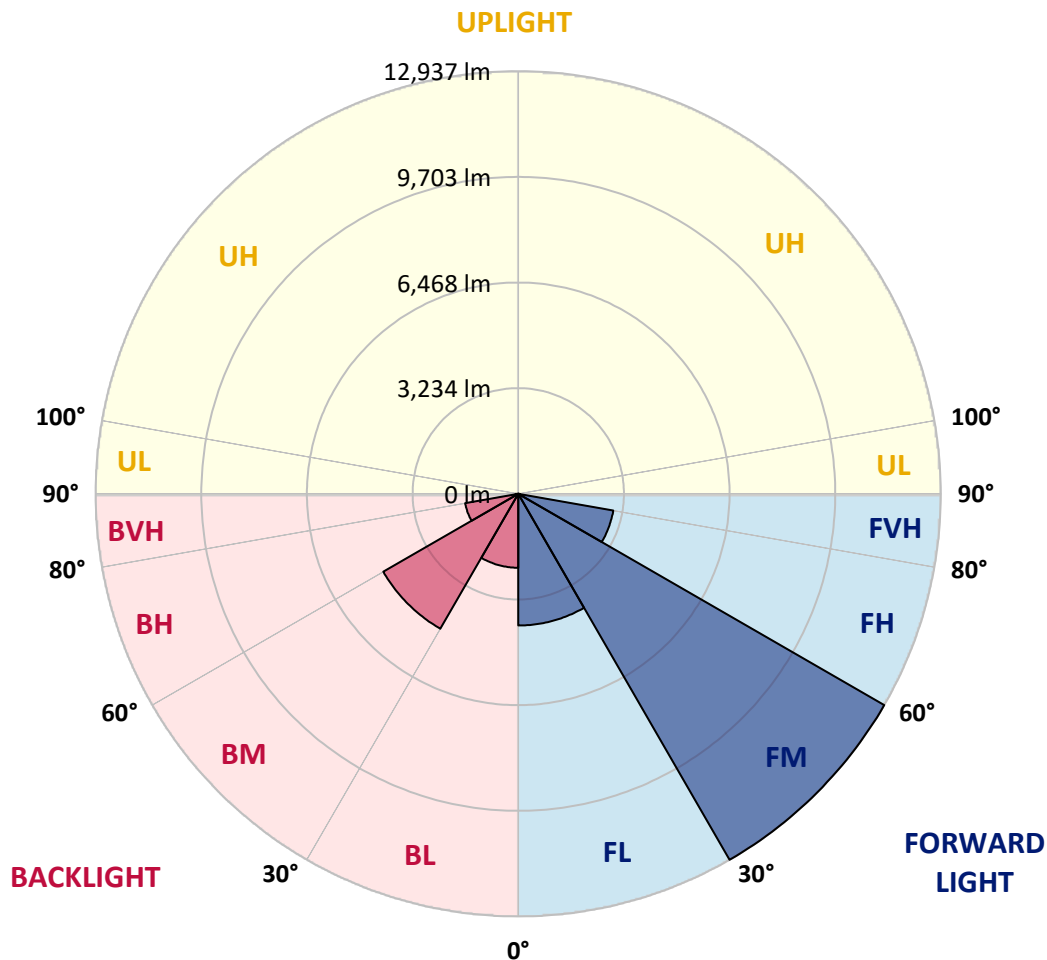
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4028.9	14.0			
FM (30°-60°)	12936.8	45.0			
FH (60°-80°)	2953.0	10.3			G2/5000
FVH (80°-90°)	49.0	0.2			G1/100
BL (0°-30°)	2263.0	7.9	B3/2500		
BM (30°-60°)	4768.9	16.6	B3/5000		
BH (60°-80°)	1649.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	83.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0
2.5°	13450.5	13375.0	13442.1	13761.0	13945.6	14071.4	14151.2	14138.6	13836.6	13542.9	13542.9
5°	13056.2	12959.6	13098.2	13819.7	14545.5	14608.5	14713.4	14541.4	14096.7	13559.6	12888.3
7.5°	11915.0	11986.4	12217.1	13165.3	14109.2	14583.3	14709.2	14491.0	13769.4	12766.7	11780.7
10°	10929.1	11096.9	11629.8	12653.4	13521.9	14138.6	14277.1	13970.8	13400.2	12171.0	11289.9
12.5°	10589.3	10484.4	11076.0	12099.6	12930.3	13261.7	13324.7	13345.7	12959.6	11868.9	10794.8
15°	10547.3	10614.4	11076.0	11852.1	12364.0	12380.7	12485.6	12649.2	12699.6	12074.4	11025.6
17.5°	11151.5	11071.8	11545.8	12162.5	11919.2	11675.9	11701.1	11936.0	12351.3	12250.7	11751.4
20°	12045.1	12225.4	12598.9	12535.9	11881.5	11264.7	11268.9	11491.3	12309.4	12980.7	12762.5
22.5°	13530.3	13706.4	13983.4	13224.0	11881.5	11143.1	11000.4	11302.5	12577.9	13849.1	13903.7
25°	14885.4	15208.4	15283.9	14390.4	12477.2	11256.4	11164.0	11461.9	12846.4	14696.6	15212.6
27.5°	16118.9	16236.3	16567.8	15141.3	12808.7	11331.9	11323.5	11705.2	13186.2	15120.3	16383.2
30°	17092.1	17079.6	17268.4	15615.4	13337.3	11755.6	11348.6	12070.3	13630.9	15821.0	17465.6
32.5°	17755.0	17897.7	18296.3	16274.1	13559.6	12158.3	11839.5	12498.2	14172.2	16152.4	18229.2
35°	18921.4	19168.9	18665.5	16639.1	14264.5	12556.9	12183.6	13081.3	14440.6	16513.2	19164.7
37.5°	20020.6	19831.8	19320.0	16836.2	14721.8	13295.3	12947.1	14210.0	15275.6	17297.8	19785.6
40°	20725.4	20721.2	19810.8	16995.7	15044.8	14423.9	14402.9	15355.2	16299.3	17792.8	20482.1
42.5°	21031.6	21325.4	20012.2	16978.9	15724.4	15791.6	16215.3	17067.0	17025.0	17893.5	20465.3
44°	21451.2	21627.4	20360.4	17016.6	16177.6	16714.6	17713.1	18254.3	17658.6	17839.0	20444.3
45°	21434.5	21447.0	19865.3	17067.0	16563.6	17486.6	18380.1	19294.8	18216.6	17721.5	20721.2
47.5°	20943.6	20801.0	19445.9	16693.6	17767.6	19525.5	20352.0	20905.8	18904.6	17469.8	20377.2
50°	19974.4	19810.8	18426.3	16534.1	18019.4	20792.5	21933.7	22135.1	19529.7	17222.3	20037.3
52.5°	20041.5	19995.4	18715.8	16773.3	18271.1	21191.1	23020.4	23070.6	20238.7	17742.5	20041.5
55°	21241.5	21082.0	19546.5	17071.2	18086.5	20725.4	22328.0	22240.0	19999.6	17427.8	20410.7
57.5°	19437.4	19542.3	18397.0	15892.3	15829.4	16848.8	17553.7	17335.5	16689.4	15728.6	18988.5
60°	15682.5	15980.4	16089.5	13291.1	11944.4	11419.9	11210.2	10824.2	10933.3	12921.9	16681.1
62.5°	13450.5	13433.8	14117.6	12049.3	7824.5	6729.4	6628.8	6716.9	7975.5	12720.5	16337.0
65°	10664.8	10950.1	11159.8	10211.7	6192.5	4996.7	4992.6	5550.5	6901.5	10631.2	13190.4
67.5°	6771.4	7144.8	7404.9	6532.3	4140.9	3557.7	3461.2	4132.5	4782.8	6972.8	7942.0
70°	3817.8	3994.1	4111.5	3767.5	2634.8	1846.0	1736.9	1896.4	2890.7	4514.3	4707.2
72.5°	1472.6	1552.3	1711.8	1724.3	994.3	595.8	482.5	578.9	1216.7	1787.3	1703.4
75°	226.6	243.3	344.1	411.2	285.3	218.2	230.8	239.2	339.8	461.5	386.0
77.5°	109.1	109.1	104.9	121.7	142.6	155.2	167.8	184.6	201.4	222.4	214.0
80°	71.3	71.3	71.3	83.9	104.9	125.9	142.6	151.0	159.5	176.2	167.8
82.5°	46.2	46.2	46.2	62.9	83.9	104.9	113.3	134.2	151.0	176.2	163.7
85°	25.1	25.1	25.1	42.0	62.9	88.1	83.9	67.1	37.8	4.2	8.4
87.5°	8.4	8.4	8.4	8.4	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°	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0
2.5°	13190.4	12997.4	12980.7	12586.3	12233.9	12061.9	11923.4	11537.4	11621.4	11399.0	11394.8
5°	12552.7	12158.3	11520.6	10996.2	10471.8	10366.9	9909.6	9511.0	9523.7	9238.3	9288.7
7.5°	11407.4	11134.7	10358.5	9536.2	8839.8	8344.7	7912.5	7652.4	7321.0	7207.7	7149.0
10°	10681.5	10345.9	9473.3	8441.2	7660.8	7396.5	6981.2	6750.5	6410.6	6242.8	6125.3
12.5°	10362.7	9871.8	8781.0	7732.2	7211.9	6939.3	6586.8	6167.3	5764.6	5609.3	5395.4
15°	10396.3	9808.9	8579.6	7446.9	6821.8	6293.1	5978.5	5512.8	5101.7	4828.9	4673.7
17.5°	10903.9	10190.7	8672.0	7228.7	6330.9	5668.0	5051.3	4547.9	4220.6	4015.0	3964.6
20°	12103.8	11134.7	8827.2	6876.3	5840.1	5013.5	4254.2	3729.8	3478.0	3473.8	3478.0
22.5°	13102.4	12141.6	9141.8	6666.5	5349.2	4174.5	3419.3	3251.5	3201.1	3306.0	3318.6
25°	14449.1	13274.3	9683.0	6557.4	4896.0	3557.7	3092.0	3029.1	3024.9	3159.1	3163.3
27.5°	15829.4	14264.5	10006.1	6238.6	4434.6	3238.9	2894.8	2882.3	2949.4	3092.0	3079.4
30°	16769.1	15095.2	10589.3	5856.8	3889.2	2957.8	2815.2	2831.9	2924.2	3033.3	3050.1
32.5°	17864.1	15913.2	10740.3	5647.1	3553.6	2722.8	2622.2	2659.9	2777.4	2949.4	3041.6
35°	19118.5	16492.3	10971.0	5361.8	3427.7	2542.4	2492.1	2534.0	2676.7	2789.9	2890.7
37.5°	20045.7	17515.9	11013.0	5139.4	3289.2	2441.8	2362.0	2500.5	2584.4	2743.8	2794.1
40°	20733.8	18258.5	11122.1	5000.9	3180.2	2311.7	2311.7	2404.0	2517.3	2664.1	2764.8
42.5°	21174.4	18799.7	11201.8	4875.1	2970.3	2273.9	2253.0	2345.2	2496.3	2638.9	2685.1
44°	21442.8	19030.5	11122.1	4757.6	2911.6	2227.8	2227.8	2307.5	2424.9	2592.8	2647.3
45°	21510.0	19320.0	10945.9	4753.4	2840.3	2173.2	2164.8	2315.9	2395.6	2601.1	2634.8
47.5°	21770.0	19676.5	10966.9	4619.2	2668.3	2043.2	2190.0	2257.2	2328.5	2508.9	2622.2
50°	21761.7	19898.9	10920.7	4422.0	2542.4	1896.4	2139.7	2215.2	2286.5	2471.1	2517.3
52.5°	21820.4	20729.6	11344.4	4107.4	2315.9	1707.6	1971.9	2139.7	2227.8	2383.0	2479.5
55°	21791.1	21203.7	11764.0	3872.4	1997.0	1594.3	1829.2	2026.4	2152.3	2315.9	2362.0
57.5°	19903.1	18741.0	10887.2	3431.9	1653.0	1460.0	1627.8	1908.9	2068.4	2236.1	2294.9
60°	16261.5	14444.8	8978.2	2525.6	1359.3	1342.6	1514.6	1871.1	1938.3	2085.1	2185.8
62.5°	15028.0	12670.2	7119.7	1929.9	1162.1	1229.3	1397.1	1690.7	1795.6	1976.0	2068.4
65°	11759.8	8416.1	4409.4	1304.8	1023.7	1103.4	1262.8	1481.0	1653.0	1820.8	1929.9
67.5°	6964.4	4598.2	2181.6	914.6	893.6	977.5	1141.2	1304.8	1501.9	1686.5	1741.1
70°	3792.7	2261.4	931.4	696.4	759.3	834.9	994.3	1107.6	1296.4	1439.0	1531.3
72.5°	1216.7	688.0	465.7	516.0	578.9	667.1	763.5	902.1	1036.3	1120.2	1195.7
75°	293.7	289.5	331.4	360.8	419.6	486.7	566.4	637.7	742.6	822.3	889.4
77.5°	205.5	222.4	255.9	297.9	318.8	344.1	394.3	448.9	495.1	553.8	595.8
80°	159.5	172.0	197.2	218.2	239.2	260.1	285.3	306.3	335.6	373.4	394.3
82.5°	151.0	159.5	184.6	197.2	188.8	184.6	201.4	209.7	214.0	226.6	239.2
85°	12.6	0.0	8.4	29.4	71.3	104.9	113.3	113.3	109.1	117.5	117.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	16.8	12.6
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°	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0
2.5°	11344.4	11201.8	11256.4	11323.5	11226.9	11004.6	11063.4	11038.2	11264.7	11248.0	11474.5
5°	9511.0	9288.7	9313.8	9641.1	9536.2	9649.5	9422.9	9393.5	9435.5	9456.5	9494.2
7.5°	7279.1	7249.7	7501.5	7778.3	7908.3	7774.1	7551.8	7501.5	7455.3	7363.0	7572.8
10°	5940.7	5949.1	5932.3	6142.1	6288.9	6259.6	6125.3	6108.5	6020.5	5986.9	6104.3
12.5°	5303.0	5189.7	5135.2	5068.1	5181.3	5256.8	5198.1	5156.2	5160.4	5202.3	5219.1
15°	4686.3	4615.0	4497.5	4422.0	4476.6	4438.8	4417.8	4501.7	4480.7	4472.4	4573.0
17.5°	3994.1	4052.8	4044.4	3960.5	4031.8	4002.4	3998.3	3939.5	3859.8	3801.1	3834.6
20°	3536.7	3645.8	3729.8	3734.0	3771.7	3767.5	3704.6	3524.1	3465.4	3452.8	3461.2
22.5°	3373.2	3431.9	3532.5	3675.2	3675.2	3608.1	3532.5	3322.8	3268.2	3209.5	3184.4
25°	3243.1	3356.3	3486.4	3503.2	3570.3	3507.4	3385.7	3280.8	3167.5	3087.8	3087.8
27.5°	3176.0	3301.8	3398.3	3427.7	3520.0	3469.6	3343.7	3209.5	3075.3	3071.1	2999.8
30°	3146.6	3264.0	3327.0	3398.3	3440.3	3360.6	3322.8	3180.2	3045.8	3012.3	2894.8
32.5°	3058.5	3226.2	3343.7	3327.0	3360.6	3327.0	3272.4	3154.9	3004.0	2928.4	2915.8
35°	2957.8	3125.6	3251.5	3339.5	3360.6	3289.2	3255.7	3096.2	2890.7	2852.9	2722.8
37.5°	2903.2	3004.0	3159.1	3301.8	3331.2	3293.4	3180.2	3016.5	2811.0	2769.0	2655.7
40°	2836.1	2966.2	3087.8	3205.3	3293.4	3201.1	3071.1	2911.6	2819.4	2693.5	2659.9
42.5°	2785.7	2932.6	3033.3	3163.3	3264.0	3142.4	2991.4	2882.3	2752.2	2668.3	2571.8
44°	2769.0	2903.2	2970.3	3129.8	3213.7	3121.4	2995.6	2882.3	2731.2	2655.7	2571.8
45°	2710.2	2894.8	2966.2	3108.8	3180.2	3104.6	2945.2	2831.9	2722.8	2630.6	2542.4
47.5°	2651.5	2777.4	2899.0	3012.3	3062.7	3037.5	2903.2	2764.8	2634.8	2580.2	2496.3
50°	2634.8	2760.6	2873.9	2978.7	3037.5	2987.1	2865.5	2731.2	2580.2	2492.1	2420.7
52.5°	2550.8	2706.1	2831.9	2865.5	2941.0	2911.6	2819.4	2672.5	2529.8	2454.3	2395.6
55°	2429.1	2592.8	2764.8	2806.8	2915.8	2869.7	2731.2	2592.8	2471.1	2357.8	2282.3
57.5°	2383.0	2542.4	2710.2	2764.8	2831.9	2756.4	2722.8	2576.0	2383.0	2324.3	2206.8
60°	2265.6	2466.9	2605.3	2731.2	2735.4	2714.4	2655.7	2487.9	2328.5	2219.4	2135.5
62.5°	2173.2	2362.0	2471.1	2588.6	2659.9	2601.1	2542.4	2387.2	2215.2	2093.5	1997.0
65°	2039.0	2211.0	2303.3	2374.6	2454.3	2446.0	2345.2	2231.9	2051.5	1955.1	1862.7
67.5°	1833.4	1984.4	2110.3	2177.4	2227.8	2215.2	2139.7	2059.9	1875.3	1778.9	1711.8
70°	1585.9	1741.1	1820.8	1858.6	1908.9	1934.1	1875.3	1837.6	1674.0	1548.1	1485.2
72.5°	1275.4	1376.1	1493.5	1527.2	1548.1	1564.9	1564.9	1531.3	1363.5	1313.1	1204.1
75°	939.8	1019.5	1107.6	1107.6	1145.4	1149.6	1158.0	1136.9	1011.1	943.9	918.8
77.5°	637.7	696.4	767.7	797.1	822.3	818.1	813.9	755.2	688.0	658.7	633.5
80°	415.4	474.1	507.6	545.4	570.6	566.4	574.7	532.9	503.4	453.1	461.5
82.5°	247.5	293.7	327.2	373.4	373.4	386.0	386.0	373.4	344.1	318.8	318.8
85°	117.5	155.2	176.2	205.5	222.4	226.6	201.4	172.0	142.6	130.0	142.6
87.5°	20.9	29.4	42.0	37.8	46.2	42.0	42.0	42.0	42.0	33.6	37.8
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°	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0	12817.0
2.5°	11390.6	11600.3	11747.2	11990.6	12410.0	12745.7	13089.7	13345.7	13375.0	13450.5
5°	9632.7	9746.0	10119.4	10606.0	10950.1	11516.5	11881.5	12544.4	12791.9	13056.2
7.5°	7522.4	7707.0	8206.2	8533.5	9288.7	9997.7	10731.9	11550.0	11877.3	11915.0
10°	6343.5	6612.0	6951.8	7476.2	7887.4	8676.2	9590.8	10501.1	10866.1	10929.1
12.5°	5571.5	5915.6	6368.6	6746.2	7140.6	7828.7	8705.5	9829.9	10303.9	10589.3
15°	4828.9	5185.5	5684.8	6209.3	6557.4	7379.8	8411.9	9678.8	10295.6	10547.3
17.5°	4065.4	4396.8	4808.0	5374.3	6075.0	6998.0	8365.7	10182.3	10857.7	11151.5
20°	3410.8	3595.4	4073.7	4657.0	5533.8	6607.8	8382.5	10924.9	11915.0	12045.1
22.5°	3154.9	3196.9	3385.7	3922.8	4883.5	6209.3	8680.4	11977.9	13102.4	13530.3
25°	2957.8	2949.4	2999.8	3360.6	4409.4	6054.0	8974.1	12947.1	14419.7	14885.4
27.5°	2848.7	2764.8	2769.0	3108.8	4073.7	5802.3	9351.6	14058.9	15913.2	16118.9
30°	2794.1	2777.4	2727.0	2865.5	3708.7	5424.7	9414.6	15153.9	16794.3	17092.1
32.5°	2760.6	2597.0	2534.0	2584.4	3364.8	5013.5	9649.5	15875.5	17885.1	17755.0
35°	2592.8	2446.0	2404.0	2454.3	3121.4	4782.8	9494.2	16504.8	18703.3	18921.4
37.5°	2529.8	2399.8	2315.9	2273.9	2894.8	4589.8	9414.6	17474.0	19496.1	20020.6
40°	2471.1	2332.7	2231.9	2190.0	2718.6	4333.8	9389.3	18220.8	20410.7	20725.4
42.5°	2404.0	2315.9	2202.6	2127.1	2504.7	4077.9	9099.9	18451.5	20691.9	21031.6
44°	2383.0	2248.7	2131.3	2106.1	2420.7	3947.9	9041.2	18661.3	20935.2	21451.2
45°	2362.0	2236.1	2101.9	2068.4	2391.4	3876.6	8961.4	18711.6	21337.9	21434.5
47.5°	2303.3	2223.6	2093.5	2001.2	2328.5	3721.3	8722.3	18426.3	20926.8	20943.6
50°	2257.2	2164.8	2030.6	1850.2	2244.5	3591.3	8831.3	18321.4	19936.7	19974.4
52.5°	2206.8	2068.4	1992.8	1682.3	2106.1	3482.2	9062.1	18795.5	20049.9	20041.5
55°	2148.1	1997.0	1812.4	1539.7	1875.3	3343.7	9620.1	19731.1	21098.8	21241.5
57.5°	2055.7	1925.7	1661.4	1413.9	1611.0	3079.4	9439.7	17939.6	19412.2	19437.4
60°	1934.1	1812.4	1506.1	1317.3	1321.5	2429.1	8441.2	13979.2	15317.6	15682.5
62.5°	1816.6	1749.5	1376.1	1178.9	1124.4	1934.1	7136.4	11617.2	13148.4	13450.5
65°	1678.1	1514.6	1262.8	1074.0	965.0	1355.1	5055.5	8680.4	10257.8	10664.8
67.5°	1501.9	1325.8	1111.8	943.9	826.5	906.2	2609.5	4933.8	6532.3	6771.4
70°	1313.1	1149.6	935.6	797.1	667.1	625.1	1149.6	2353.6	3570.3	3817.8
72.5°	1078.2	927.2	746.8	629.3	499.2	432.1	386.0	629.3	1267.1	1472.6
75°	780.4	675.5	562.2	448.9	352.4	276.9	226.6	188.8	209.7	226.6
77.5°	574.7	490.9	415.4	318.8	247.5	197.2	155.2	117.5	113.3	109.1
80°	448.9	398.5	331.4	255.9	193.0	146.8	109.1	79.7	71.3	71.3
82.5°	352.4	327.2	272.7	209.7	159.5	117.5	79.7	54.6	46.2	46.2
85°	134.2	134.2	197.2	172.0	121.7	83.9	54.6	29.4	25.1	25.1
87.5°	33.6	33.6	33.6	33.6	29.4	25.1	25.1	12.6	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)