

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: P531460

Luminaire Tested: **GALN-SA6D-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531460
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-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 31115 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

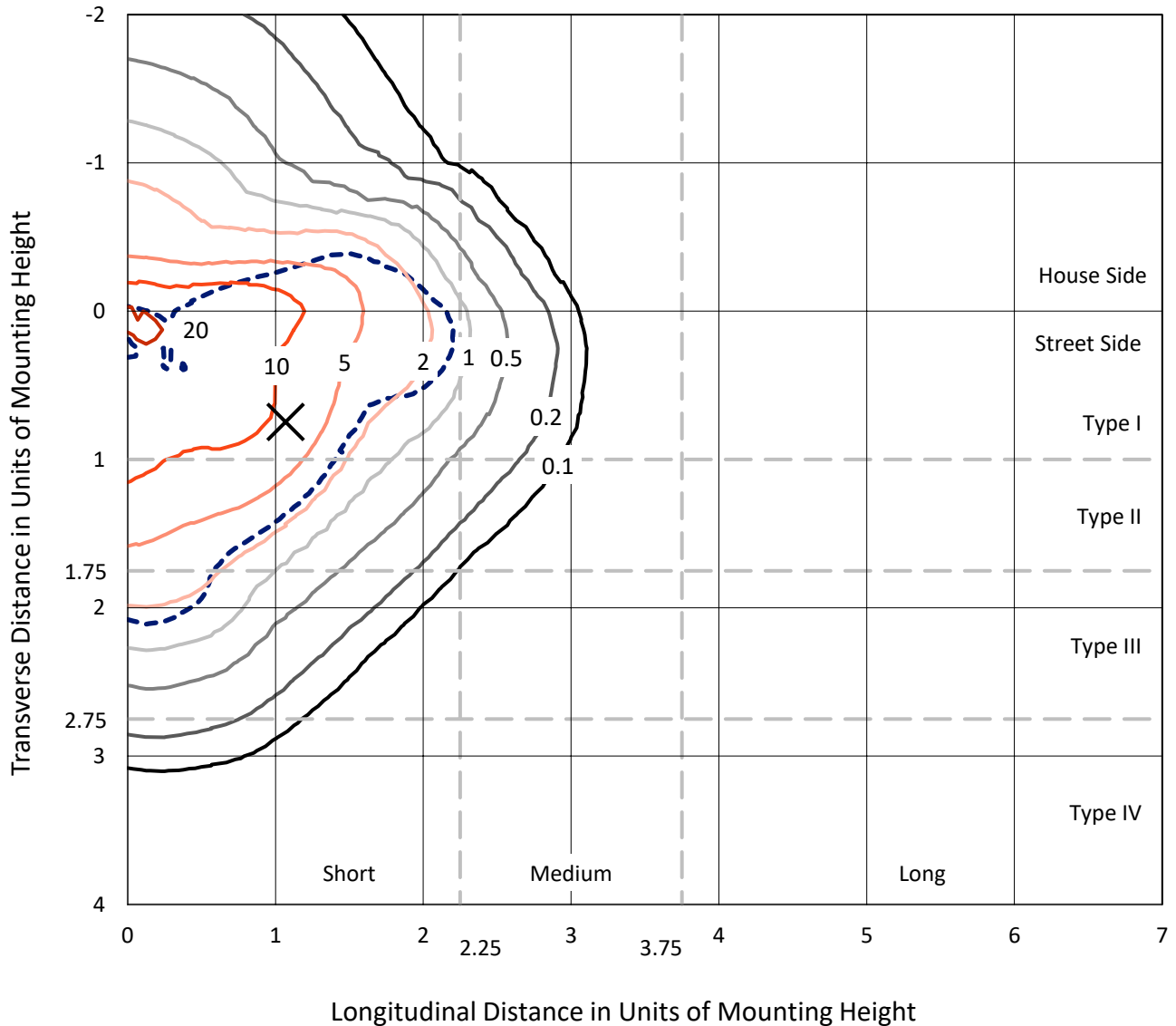
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

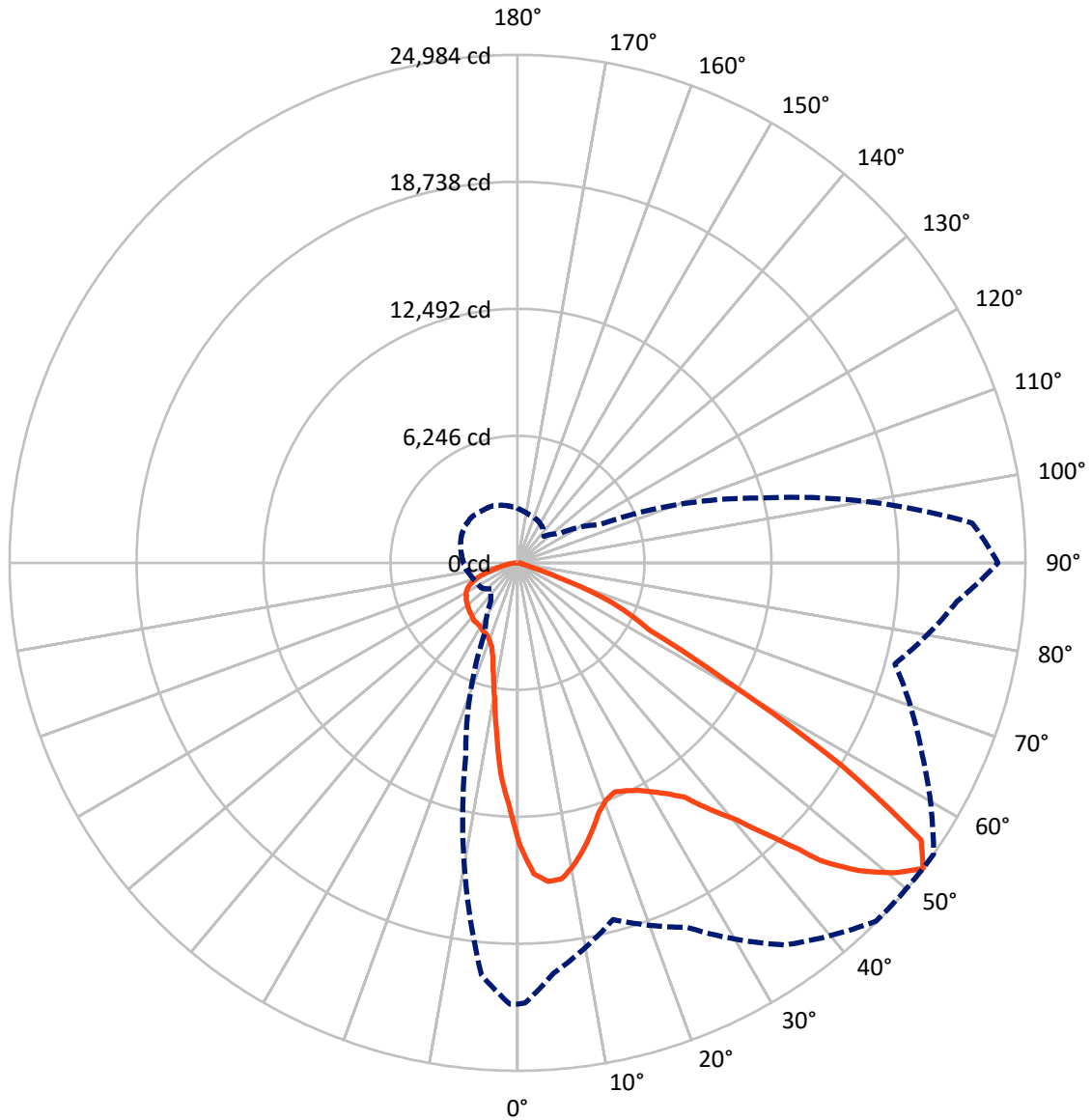
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 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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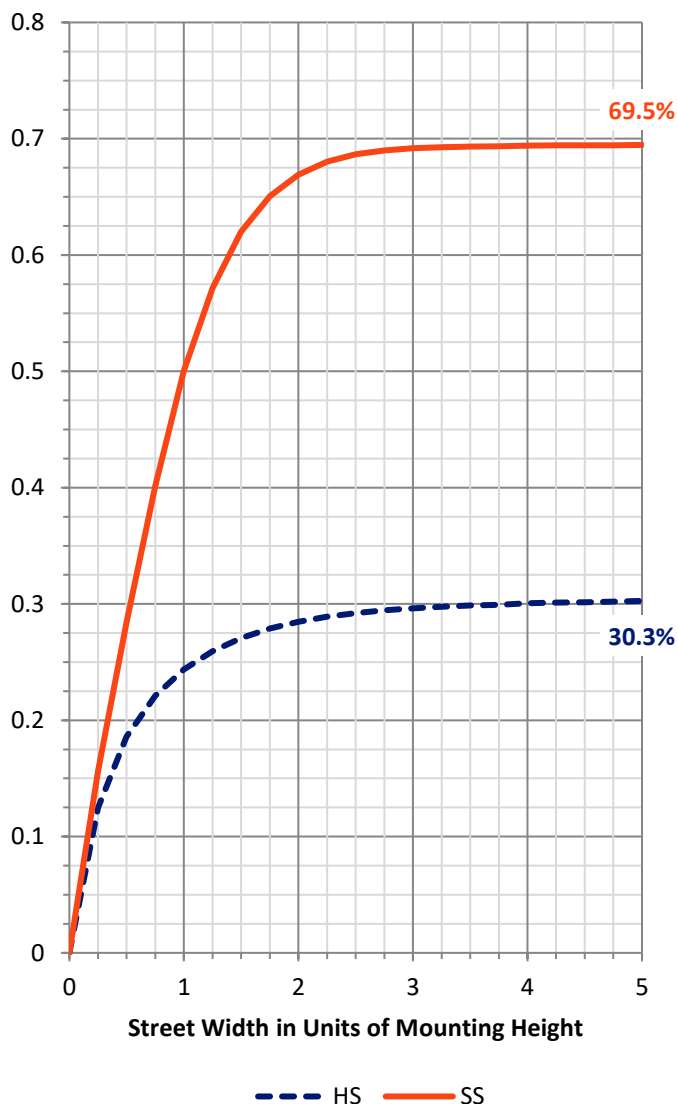
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9491.8	0.0	9491.8
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	21623.2	0.0	21623.2
	% Fixture	69.5	0.0	69.5
Total	Lumens	31115.0	0.0	31115.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1060.4	3.4
10°-20°	2286.3	7.3
20°-30°	3466.8	11.1
30°-40°	5009.0	16.1
40°-50°	6693.4	21.5
50°-60°	7471.3	24.0
60°-70°	4098.4	13.2
70°-80°	886.1	2.8
80°-90°	143.3	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°	31115.0	100.0
0°-180°	31115.0	100.0

Coefficient of Utilization

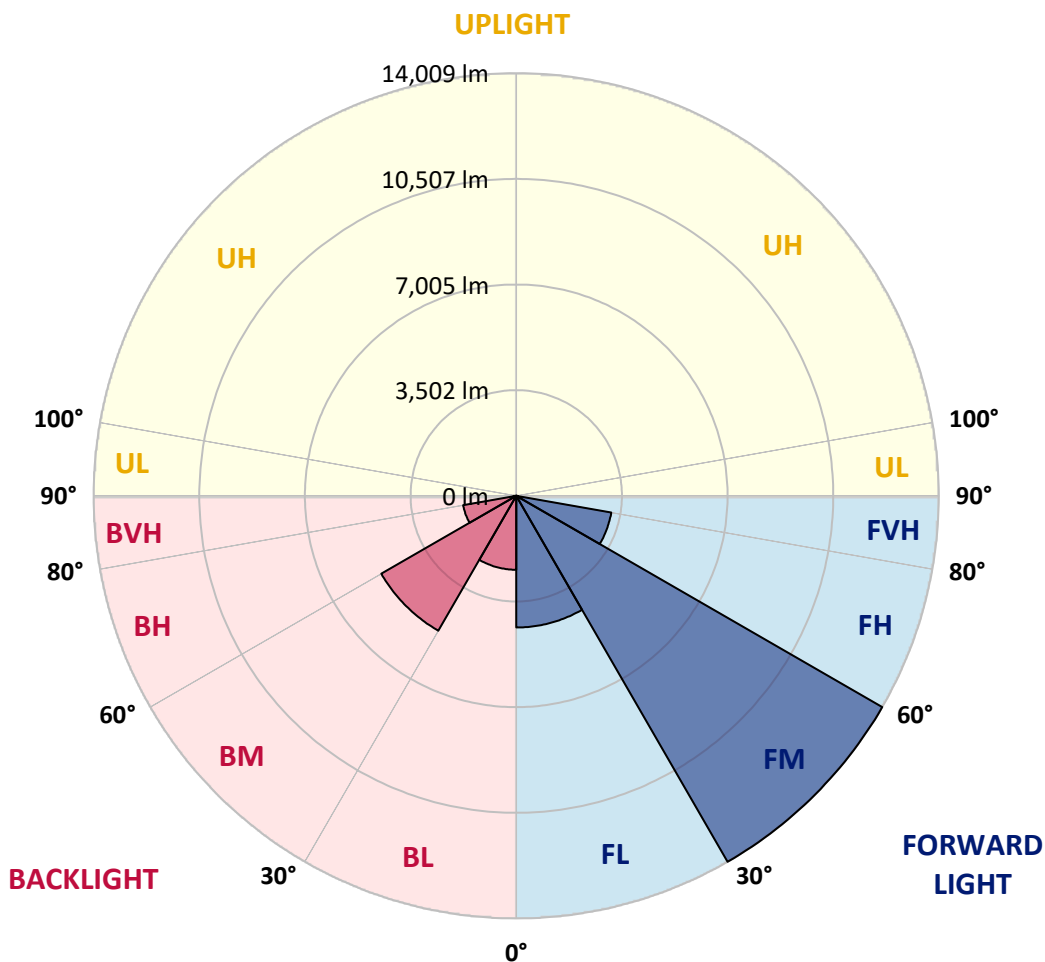


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4362.9	14.0			
FM (30°-60°)	14009.4	45.0			
FH (60°-80°)	3197.8	10.3			G2/5000
FVH (80°-90°)	53.1	0.2			G1/100
BL (0°-30°)	2450.6	7.9	B3/2500		
BM (30°-60°)	5164.3	16.6	B4/8500		
BH (60°-80°)	1786.6	5.7	B3/2500		G3/2500
BVH (80°-90°)	90.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7
2.5°	14565.7	14484.0	14556.6	14901.9	15101.8	15238.1	15324.5	15310.8	14983.7	14665.7	14665.7
5°	14138.7	14034.2	14184.1	14965.5	15751.5	15819.7	15933.3	15747.0	15265.4	14683.9	13956.9
7.5°	12902.9	12980.1	13230.0	14256.8	15279.0	15792.4	15928.7	15692.5	14911.0	13825.2	12757.5
10°	11835.2	12017.0	12594.0	13702.5	14643.0	15310.8	15460.8	15129.1	14511.2	13180.0	12225.9
12.5°	11467.2	11353.6	11994.2	13102.8	14002.4	14361.3	14429.4	14452.1	14034.2	12852.9	11689.8
15°	11421.8	11494.5	11994.2	12834.7	13389.0	13407.2	13520.8	13698.0	13752.5	13075.5	11939.7
17.5°	12076.0	11989.7	12503.1	13170.9	12907.4	12643.9	12671.2	12925.6	13375.4	13266.4	12725.7
20°	13043.7	13239.1	13643.4	13575.3	12866.5	12198.7	12203.2	12444.0	13330.0	14056.9	13820.6
22.5°	14652.1	14842.9	15142.7	14320.4	12866.5	12066.9	11912.5	12239.6	13620.7	14997.3	15056.4
25°	16119.5	16469.4	16551.1	15583.4	13511.7	12189.6	12089.6	12412.2	13911.5	15915.1	16473.9
27.5°	17455.3	17582.5	17941.4	16396.7	13870.6	12271.4	12262.3	12675.7	14279.5	16374.0	17741.5
30°	18509.3	18495.7	18700.1	16910.1	14443.1	12730.2	12289.6	13071.0	14761.1	17132.7	18913.6
32.5°	19227.1	19381.6	19813.2	17623.4	14683.9	13166.4	12821.1	13534.4	15347.2	17491.6	19740.5
35°	20490.2	20758.2	20213.0	18018.6	15447.1	13598.0	13193.7	14165.9	15637.9	17882.3	20753.7
37.5°	21680.5	21476.0	20921.8	18232.2	15942.3	14397.6	14020.5	15388.1	16542.1	18731.9	21426.1
40°	22443.8	22439.2	21453.3	18404.8	16292.2	15619.8	15597.1	16628.4	17650.6	19268.0	22180.3
42.5°	22775.4	23093.5	21671.4	18386.6	17028.2	17100.9	17559.7	18482.0	18436.6	19377.1	22162.1
44°	23229.8	23420.6	22048.5	18427.5	17518.9	18100.4	19181.7	19767.8	19122.6	19318.0	22139.4
45°	23211.6	23225.2	21512.4	18482.0	17936.8	18936.4	19904.1	20894.5	19726.9	19190.8	22439.2
47.5°	22680.0	22525.5	21058.1	18077.7	19240.8	21144.4	22039.4	22639.1	20472.0	18918.2	22066.7
50°	21630.5	21453.3	19954.1	17905.0	19513.4	22516.5	23752.2	23970.3	21148.9	18650.1	21698.7
52.5°	21703.2	21653.2	20267.5	18164.0	19786.0	22948.1	24928.9	24983.5	21916.7	19213.5	21703.2
55°	23002.6	22829.9	21167.1	18486.6	19586.0	22443.8	24179.3	24083.9	21657.8	18872.8	22103.0
57.5°	21049.0	21162.6	19922.2	17209.9	17141.8	18245.8	19009.1	18772.8	18073.1	17032.7	20562.9
60°	16982.8	17305.3	17423.4	14393.1	12934.7	12366.8	12139.6	11721.6	11839.8	13993.3	18064.1
62.5°	14565.7	14547.6	15288.1	13048.3	8473.2	7287.4	7178.4	7273.8	8636.8	13775.2	17691.5
65°	11549.0	11857.9	12085.1	11058.3	6705.9	5411.0	5406.5	6010.7	7473.7	11512.7	14284.0
67.5°	7332.8	7737.2	8018.9	7073.9	4484.2	3852.7	3748.2	4475.1	5179.3	7550.9	8600.4
70°	4134.4	4325.2	4452.4	4079.9	2853.2	1999.0	1880.9	2053.6	3130.3	4888.6	5097.6
72.5°	1594.7	1681.0	1853.7	1867.3	1076.8	645.1	522.5	627.0	1317.5	1935.4	1844.6
75°	245.3	263.5	372.5	445.2	308.9	236.3	249.9	259.0	368.0	499.8	418.0
77.5°	118.1	118.1	113.6	131.8	154.5	168.1	181.7	199.9	218.1	240.8	231.7
80°	77.2	77.2	77.2	90.9	113.6	136.3	154.5	163.6	172.6	190.8	181.7
82.5°	50.0	50.0	50.0	68.1	90.9	113.6	122.7	145.4	163.6	190.8	177.2
85°	27.3	27.3	27.3	45.4	68.1	95.4	90.9	72.7	40.9	4.5	9.1
87.5°	9.1	9.1	9.1	9.1	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°	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7
2.5°	14284.0	14075.1	14056.9	13629.8	13248.2	13061.9	12912.0	12494.0	12584.9	12344.1	12339.5
5°	13593.5	13166.4	12475.8	11907.9	11340.0	11226.4	10731.2	10299.6	10313.2	10004.3	10058.8
7.5°	12353.2	12057.8	11217.3	10326.9	9572.7	9036.6	8568.6	8286.9	7928.0	7805.3	7741.7
10°	11567.2	11203.7	10258.7	9141.1	8296.0	8009.8	7560.0	7310.1	6942.1	6760.4	6633.2
12.5°	11221.9	10690.3	9509.1	8373.3	7809.9	7514.6	7132.9	6678.6	6242.5	6074.4	5842.6
15°	11258.2	10622.2	9291.0	8064.3	7387.4	6814.9	6474.2	5969.9	5524.6	5229.3	5061.2
17.5°	11808.0	11035.6	9390.9	7828.1	6855.8	6138.0	5470.1	4924.9	4570.5	4347.9	4293.4
20°	13107.3	12057.8	9559.0	7446.4	6324.2	5429.2	4606.9	4039.0	3766.4	3761.8	3766.4
22.5°	14188.6	13148.2	9899.8	7219.3	5792.7	4520.6	3702.8	3521.0	3466.5	3580.1	3593.7
25°	15647.0	14374.9	10485.9	7101.1	5302.0	3852.7	3348.4	3280.2	3275.7	3421.1	3425.6
27.5°	17141.8	15447.1	10835.7	6755.8	4802.2	3507.4	3134.9	3121.2	3193.9	3348.4	3334.8
30°	18159.5	16346.7	11467.2	6342.4	4211.6	3203.0	3048.5	3066.7	3166.7	3284.8	3303.0
32.5°	19345.3	17232.6	11630.8	6115.2	3848.2	2948.6	2839.5	2880.4	3007.6	3193.9	3293.9
35°	20703.7	17859.6	11880.7	5806.3	3711.9	2753.2	2698.7	2744.1	2898.6	3021.3	3130.3
37.5°	21707.8	18968.2	11926.1	5565.5	3561.9	2644.2	2557.9	2707.8	2798.7	2971.3	3025.8
40°	22452.9	19772.3	12044.2	5415.6	3443.8	2503.3	2503.3	2603.3	2726.0	2885.0	2994.0
42.5°	22929.9	20358.4	12130.5	5279.3	3216.6	2462.5	2439.7	2539.7	2703.2	2857.7	2907.7
44°	23220.7	20608.3	12044.2	5152.1	3153.0	2412.5	2412.5	2498.8	2626.0	2807.7	2866.8
45°	23293.4	20921.8	11853.4	5147.5	3075.8	2353.4	2344.3	2507.9	2594.2	2816.8	2853.2
47.5°	23575.0	21307.9	11876.1	5002.1	2889.5	2212.6	2371.6	2444.3	2521.5	2716.9	2839.5
50°	23566.0	21548.7	11826.1	4788.6	2753.2	2053.6	2317.1	2398.8	2476.1	2676.0	2726.0
52.5°	23629.6	22448.3	12285.0	4447.9	2507.9	1849.1	2135.3	2317.1	2412.5	2580.6	2685.1
55°	23597.8	22961.7	12739.3	4193.4	2162.6	1726.4	1980.9	2194.4	2330.7	2507.9	2557.9
57.5°	21553.3	20294.8	11789.8	3716.4	1790.0	1581.1	1762.8	2067.2	2239.8	2421.6	2485.2
60°	17609.7	15642.5	9722.6	2735.0	1472.0	1453.8	1640.1	2026.3	2099.0	2258.0	2367.0
62.5°	16274.0	13720.7	7709.9	2089.9	1258.5	1331.2	1512.9	1830.9	1944.5	2139.9	2239.8
65°	12734.8	9113.8	4775.0	1413.0	1108.6	1194.9	1367.5	1603.8	1790.0	1971.8	2089.9
67.5°	7541.8	4979.4	2362.5	990.4	967.7	1058.6	1235.8	1413.0	1626.5	1826.4	1885.5
70°	4107.1	2448.8	1008.6	754.2	822.3	904.1	1076.8	1199.4	1403.9	1558.3	1658.3
72.5°	1317.5	745.1	504.3	558.8	627.0	722.4	826.9	976.8	1122.2	1213.1	1294.8
75°	318.0	313.5	358.9	390.7	454.3	527.0	613.3	690.6	804.2	890.5	963.2
77.5°	222.6	240.8	277.1	322.6	345.3	372.5	427.1	486.1	536.1	599.7	645.1
80°	172.6	186.3	213.5	236.3	259.0	281.7	308.9	331.7	363.5	404.4	427.1
82.5°	163.6	172.6	199.9	213.5	204.4	199.9	218.1	227.2	231.7	245.3	259.0
85°	13.6	0.0	9.1	31.8	77.2	113.6	122.7	122.7	118.1	127.2	127.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	18.2	13.6
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°	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7
2.5°	12285.0	12130.5	12189.6	12262.3	12157.8	11917.0	11980.6	11953.3	12198.7	12180.5	12425.8
5°	10299.6	10058.8	10086.1	10440.4	10326.9	10449.5	10204.2	10172.4	10217.8	10240.5	10281.4
7.5°	7882.6	7850.8	8123.4	8423.2	8564.1	8418.7	8177.9	8123.4	8073.4	7973.4	8200.6
10°	6433.3	6442.4	6424.2	6651.4	6810.4	6778.6	6633.2	6615.0	6519.6	6483.2	6610.5
12.5°	5742.7	5620.0	5561.0	5488.3	5610.9	5692.7	5629.1	5583.7	5588.2	5633.7	5651.8
15°	5074.8	4997.6	4870.4	4788.6	4847.7	4806.8	4784.1	4874.9	4852.2	4843.1	4952.2
17.5°	4325.2	4388.8	4379.7	4288.8	4366.1	4334.3	4329.7	4266.1	4179.8	4116.2	4152.6
20°	3830.0	3948.1	4039.0	4043.5	4084.4	4079.9	4011.7	3816.3	3752.7	3739.1	3748.2
22.5°	3652.8	3716.4	3825.4	3979.9	3979.9	3907.2	3825.4	3598.3	3539.2	3475.6	3448.3
25°	3511.9	3634.6	3775.5	3793.6	3866.3	3798.2	3666.4	3552.8	3430.2	3343.8	3343.8
27.5°	3439.3	3575.6	3680.1	3711.9	3811.8	3757.3	3621.0	3475.6	3330.2	3325.7	3248.4
30°	3407.5	3534.7	3602.8	3680.1	3725.5	3639.2	3598.3	3443.8	3298.4	3262.1	3134.9
32.5°	3312.0	3493.8	3621.0	3602.8	3639.2	3602.8	3543.8	3416.5	3253.0	3171.2	3157.6
35°	3203.0	3384.7	3521.0	3616.4	3639.2	3561.9	3525.6	3352.9	3130.3	3089.4	2948.6
37.5°	3143.9	3253.0	3421.1	3575.6	3607.4	3566.5	3443.8	3266.6	3044.0	2998.6	2875.9
40°	3071.3	3212.1	3343.8	3471.1	3566.5	3466.5	3325.7	3153.0	3053.1	2916.8	2880.4
42.5°	3016.7	3175.7	3284.8	3425.6	3534.7	3402.9	3239.4	3121.2	2980.4	2889.5	2785.0
44°	2998.6	3143.9	3216.6	3389.3	3480.1	3380.2	3243.9	3121.2	2957.7	2875.9	2785.0
45°	2935.0	3134.9	3212.1	3366.6	3443.8	3362.0	3189.4	3066.7	2948.6	2848.6	2753.2
47.5°	2871.3	3007.6	3139.4	3262.1	3316.6	3289.3	3143.9	2994.0	2853.2	2794.1	2703.2
50°	2853.2	2989.5	3112.1	3225.7	3289.3	3234.8	3103.1	2957.7	2794.1	2698.7	2621.5
52.5°	2762.3	2930.4	3066.7	3103.1	3184.8	3153.0	3053.1	2894.1	2739.6	2657.8	2594.2
55°	2630.6	2807.7	2994.0	3039.4	3157.6	3107.6	2957.7	2807.7	2676.0	2553.3	2471.5
57.5°	2580.6	2753.2	2935.0	2994.0	3066.7	2984.9	2948.6	2789.6	2580.6	2517.0	2389.8
60°	2453.4	2671.4	2821.4	2957.7	2962.2	2939.5	2875.9	2694.2	2521.5	2403.4	2312.5
62.5°	2353.4	2557.9	2676.0	2803.2	2880.4	2816.8	2753.2	2585.1	2398.8	2267.1	2162.6
65°	2208.0	2394.3	2494.3	2571.5	2657.8	2648.7	2539.7	2417.0	2221.7	2117.2	2017.2
67.5°	1985.4	2149.0	2285.3	2358.0	2412.5	2398.8	2317.1	2230.7	2030.8	1926.3	1853.7
70°	1717.4	1885.5	1971.8	2012.7	2067.2	2094.4	2030.8	1990.0	1812.8	1676.5	1608.3
72.5°	1381.2	1490.2	1617.4	1653.8	1676.5	1694.6	1694.6	1658.3	1476.6	1422.0	1303.9
75°	1017.7	1104.0	1199.4	1199.4	1240.3	1244.9	1253.9	1231.2	1094.9	1022.2	995.0
77.5°	690.6	754.2	831.4	863.2	890.5	885.9	881.4	817.8	745.1	713.3	686.0
80°	449.8	513.4	549.7	590.6	617.9	613.3	622.4	577.0	545.2	490.7	499.8
82.5°	268.1	318.0	354.4	404.4	404.4	418.0	418.0	404.4	372.5	345.3	345.3
85°	127.2	168.1	190.8	222.6	240.8	245.3	218.1	186.3	154.5	140.8	154.5
87.5°	22.7	31.8	45.4	40.9	50.0	45.4	45.4	45.4	45.4	36.3	40.9
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°	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7	13879.7
2.5°	12335.0	12562.1	12721.2	12984.7	13439.0	13802.5	14175.0	14452.1	14484.0	14565.7
5°	10431.4	10554.0	10958.4	11485.4	11857.9	12471.3	12866.5	13584.4	13852.4	14138.7
7.5°	8146.1	8346.0	8886.6	9241.0	10058.8	10826.6	11621.7	12507.6	12862.0	12902.9
10°	6869.4	7160.2	7528.2	8096.1	8541.4	9395.5	10385.9	11371.8	11767.1	11835.2
12.5°	6033.5	6406.0	6896.7	7305.6	7732.6	8477.7	9427.3	10644.9	11158.3	11467.2
15°	5229.3	5615.5	6156.1	6724.0	7101.1	7991.6	9109.3	10481.3	11149.2	11421.8
17.5°	4402.4	4761.3	5206.6	5819.9	6578.7	7578.2	9059.3	11026.5	11758.0	12076.0
20°	3693.7	3893.6	4411.5	5043.0	5992.6	7155.7	9077.5	11830.7	12902.9	13043.7
22.5°	3416.5	3462.0	3666.4	4248.0	5288.4	6724.0	9400.0	12971.0	14188.6	14652.1
25°	3203.0	3193.9	3248.4	3639.2	4775.0	6555.9	9718.1	14020.5	15615.2	16119.5
27.5°	3084.9	2994.0	2998.6	3366.6	4411.5	6283.3	10127.0	15224.5	17232.6	17455.3
30°	3025.8	3007.6	2953.1	3103.1	4016.3	5874.5	10195.1	16410.3	18186.7	18509.3
32.5°	2989.5	2812.3	2744.1	2798.7	3643.7	5429.2	10449.5	17191.7	19368.0	19227.1
35°	2807.7	2648.7	2603.3	2657.8	3380.2	5179.3	10281.4	17873.2	20253.9	20490.2
37.5°	2739.6	2598.8	2507.9	2462.5	3134.9	4970.3	10195.1	18922.7	21112.6	21680.5
40°	2676.0	2526.1	2417.0	2371.6	2944.0	4693.2	10167.8	19731.4	22103.0	22443.8
42.5°	2603.3	2507.9	2385.2	2303.4	2712.3	4416.1	9854.4	19981.3	22407.4	22775.4
44°	2580.6	2435.2	2308.0	2280.7	2621.5	4275.2	9790.8	20208.5	22670.9	23229.8
45°	2557.9	2421.6	2276.2	2239.8	2589.7	4198.0	9704.4	20263.0	23107.1	23211.6
47.5°	2494.3	2407.9	2267.1	2167.1	2521.5	4029.9	9445.5	19954.1	22661.8	22680.0
50°	2444.3	2344.3	2198.9	2003.6	2430.7	3889.0	9563.6	19840.5	21589.6	21630.5
52.5°	2389.8	2239.8	2158.1	1821.9	2280.7	3770.9	9813.5	20353.9	21712.3	21703.2
55°	2326.2	2162.6	1962.7	1667.4	2030.8	3621.0	10417.7	21367.0	22848.1	23002.6
57.5°	2226.2	2085.4	1799.1	1531.1	1744.6	3334.8	10222.4	19427.0	21021.7	21049.0
60°	2094.4	1962.7	1631.0	1426.6	1431.1	2630.6	9141.1	15138.2	16587.5	16982.8
62.5°	1967.2	1894.5	1490.2	1276.7	1217.6	2094.4	7728.1	12580.3	14238.6	14565.7
65°	1817.3	1640.1	1367.5	1163.1	1045.0	1467.5	5474.6	9400.0	11108.3	11549.0
67.5°	1626.5	1435.7	1204.0	1022.2	895.0	981.3	2825.9	5342.9	7073.9	7332.8
70°	1422.0	1244.9	1013.1	863.2	722.4	676.9	1244.9	2548.8	3866.3	4134.4
72.5°	1167.6	1004.1	808.7	681.5	540.6	468.0	418.0	681.5	1372.1	1594.7
75°	845.0	731.5	608.8	486.1	381.6	299.9	245.3	204.4	227.2	245.3
77.5°	622.4	531.6	449.8	345.3	268.1	213.5	168.1	127.2	122.7	118.1
80°	486.1	431.6	358.9	277.1	209.0	159.0	118.1	86.3	77.2	77.2
82.5°	381.6	354.4	295.3	227.2	172.6	127.2	86.3	59.1	50.0	50.0
85°	145.4	145.4	213.5	186.3	131.8	90.9	59.1	31.8	27.3	27.3
87.5°	36.3	36.3	36.3	36.3	31.8	27.3	27.3	13.6	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)