

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: P652615

Luminaire Tested: **GALN-SA9B-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652615
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-SA9B-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 800mA 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: 32309.5 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 364
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

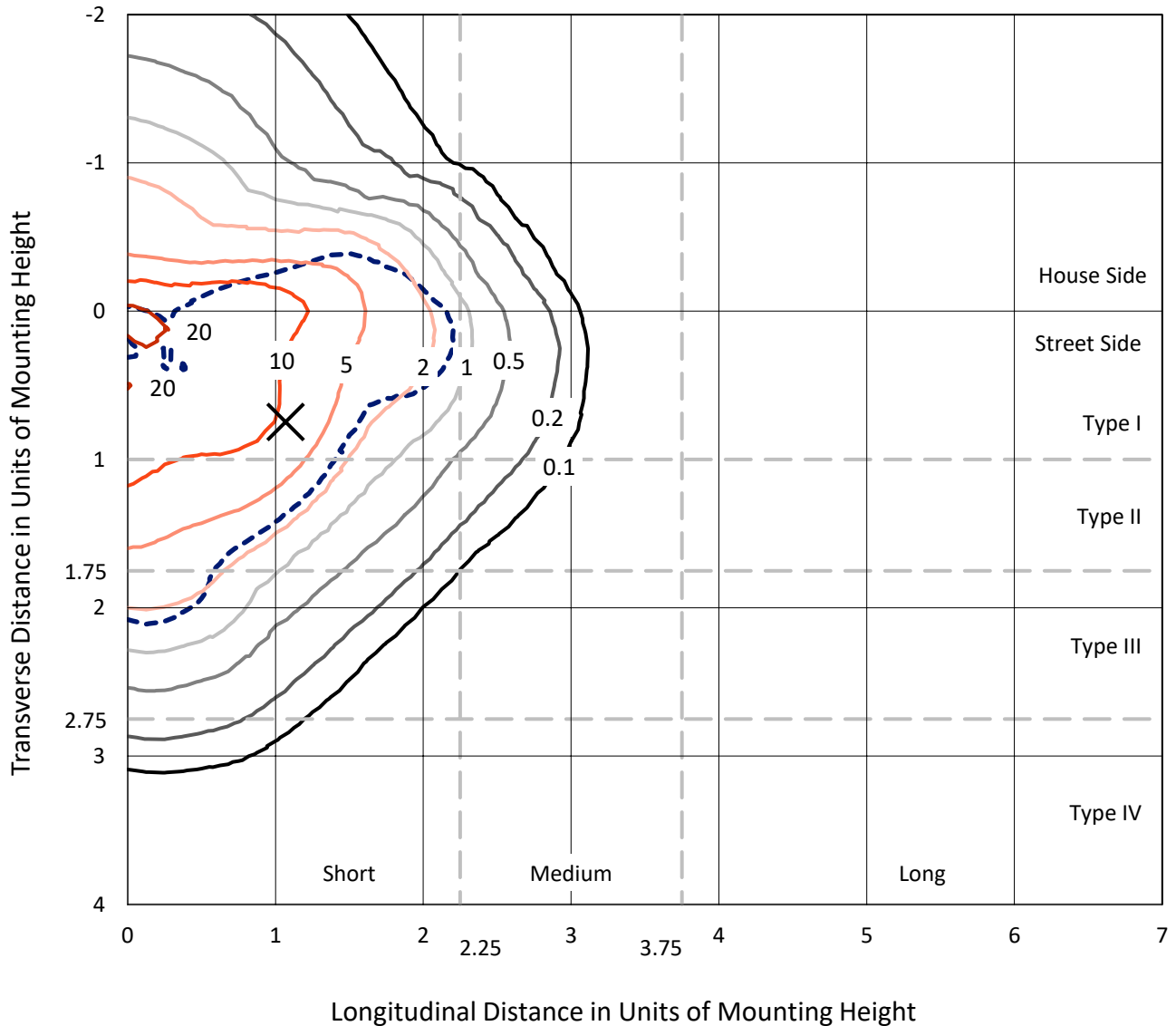




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Iso-Footcandle Lines of Horizontal Illumination

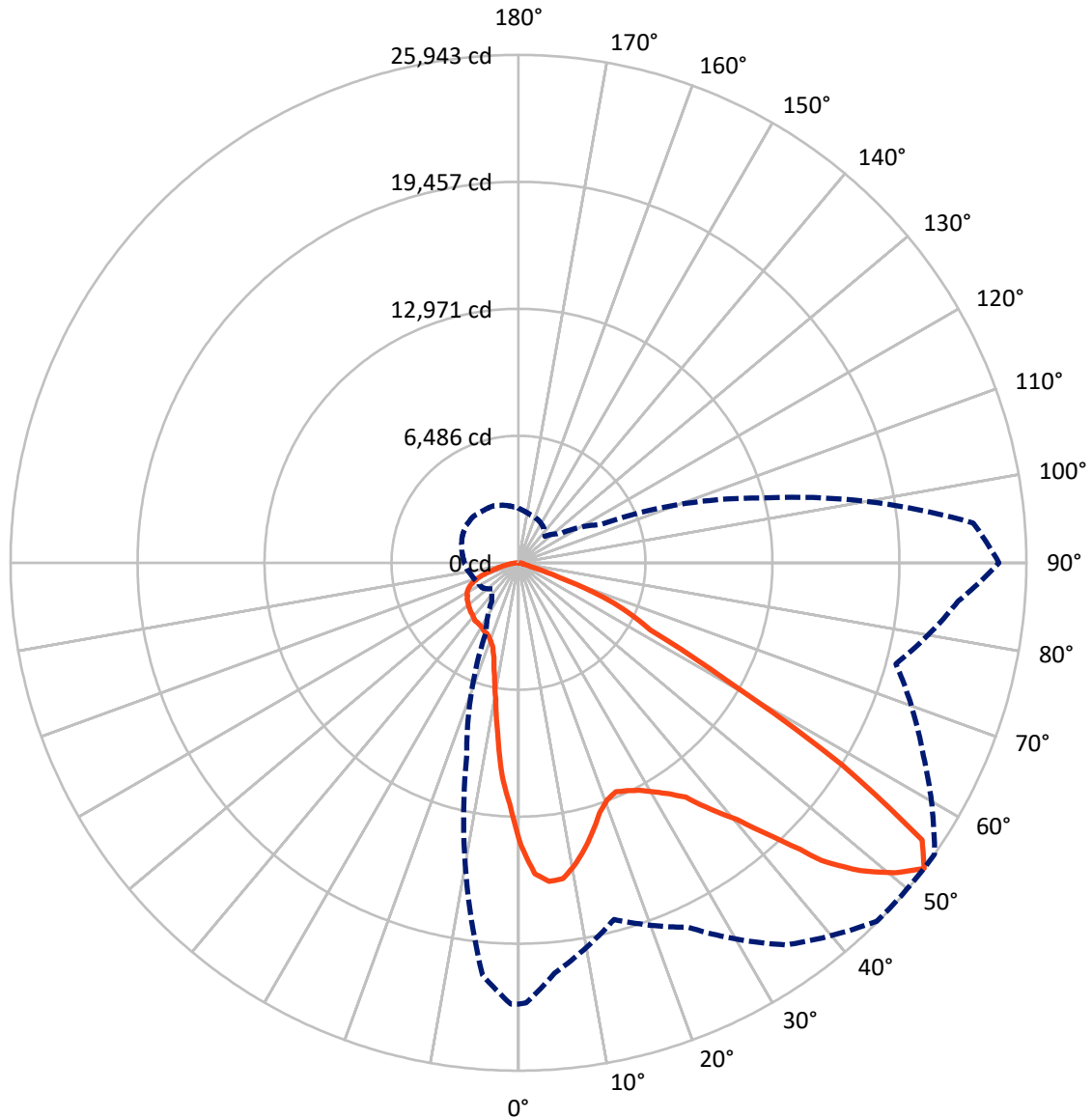
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.5 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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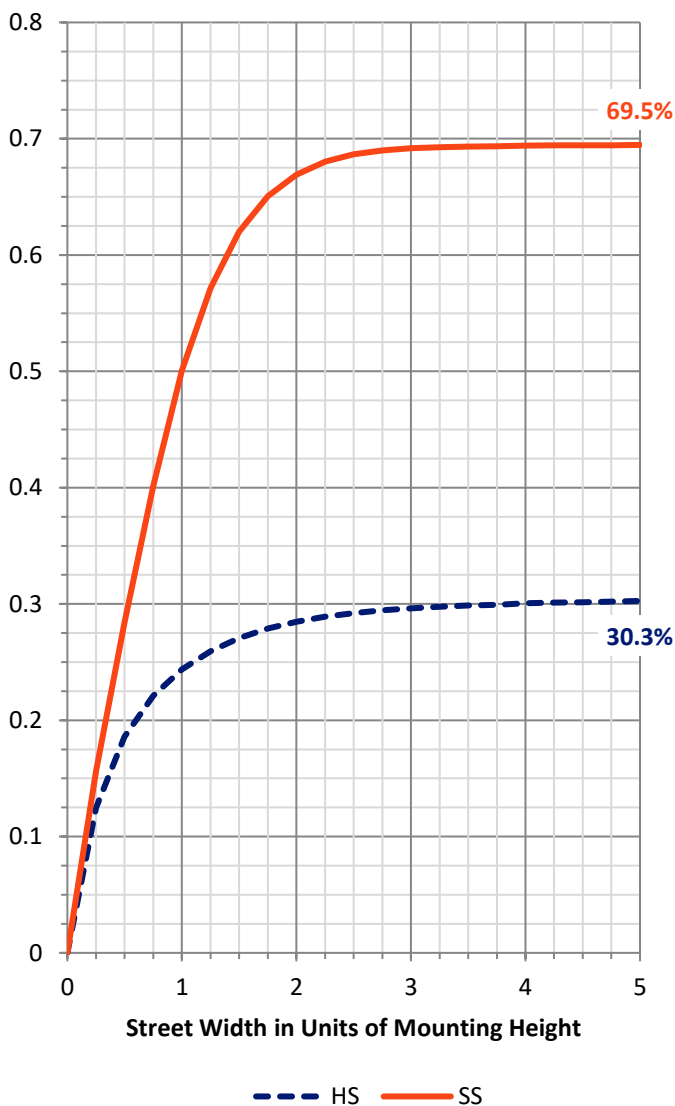
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9856.2	0.0	9856.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	22453.4	0.0	22453.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	32309.5	0.0	32309.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1101.1	3.4
10°-20°	2374.1	7.3
20°-30°	3599.9	11.1
30°-40°	5201.3	16.1
40°-50°	6950.4	21.5
50°-60°	7758.1	24.0
60°-70°	4255.7	13.2
70°-80°	920.1	2.8
80°-90°	148.8	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°	32309.5	100.0
0°-180°	32309.5	100.0

Coefficient of Utilization

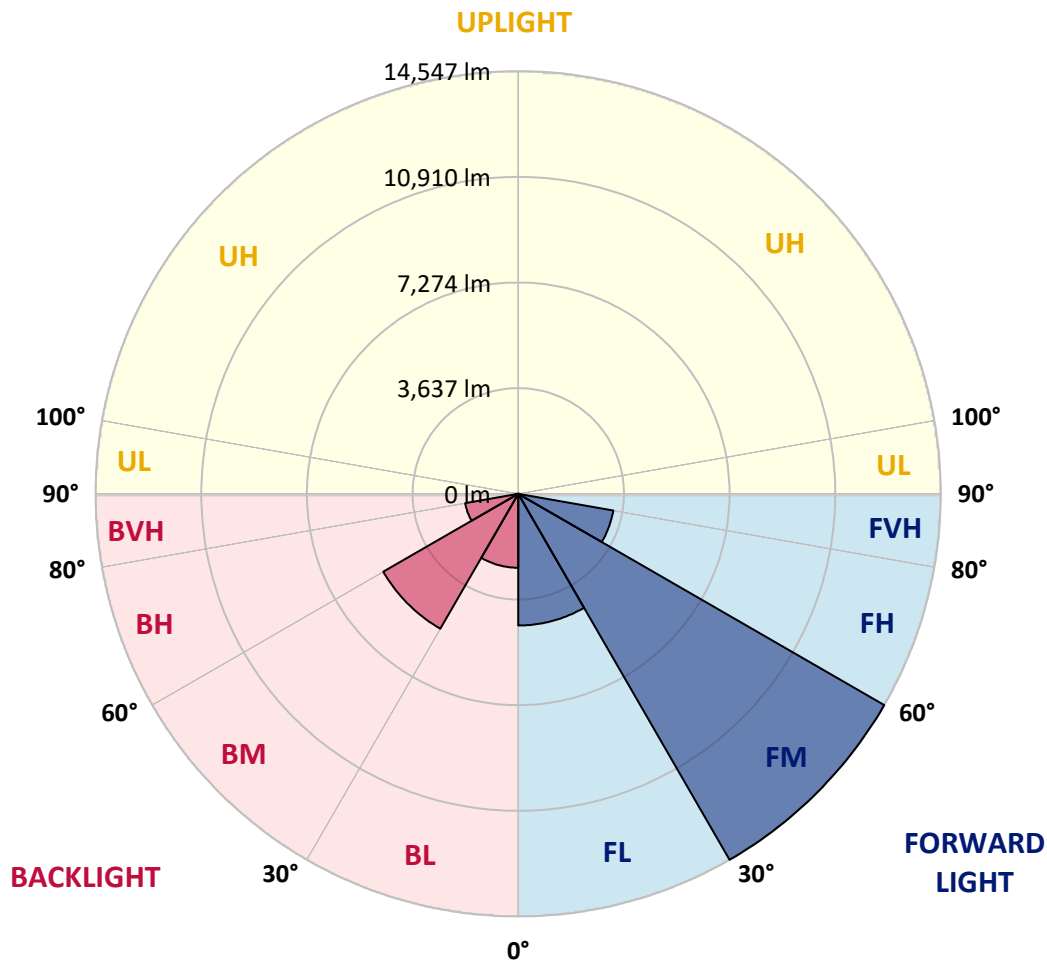


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4530.4	14.0			
FM (30°-60°)	14547.3	45.0			
FH (60°-80°)	3320.6	10.3			G2/5000
FVH (80°-90°)	55.1	0.2			G1/100
BL (0°-30°)	2544.7	7.9	B4/5000		
BM (30°-60°)	5362.5	16.6	B4/8500		
BH (60°-80°)	1855.2	5.7	B3/2500		G3/2500
BVH (80°-90°)	93.7	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°	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6
2.5°	15125.0	15040.0	15115.5	15474.1	15681.6	15823.2	15912.8	15898.6	15558.9	15228.7	15228.7
5°	14681.4	14572.9	14728.6	15540.1	16356.3	16427.0	16544.9	16351.6	15851.4	15247.6	14492.8
7.5°	13398.2	13478.5	13737.9	14804.1	15865.6	16398.7	16540.2	16294.9	15483.5	14356.0	13247.3
10°	12289.6	12478.3	13077.5	14228.5	15205.1	15898.6	16054.3	15709.9	15068.3	13686.0	12695.3
12.5°	11907.5	11789.5	12454.7	13605.9	14540.0	14912.6	14983.4	15007.0	14572.9	13346.3	12138.7
15°	11860.3	11935.7	12454.7	13327.5	13903.1	13921.9	14039.8	14223.8	14280.4	13577.5	12398.1
17.5°	12539.6	12450.0	12983.1	13676.6	13402.9	13129.4	13157.6	13421.9	13888.9	13775.7	13214.3
20°	13544.5	13747.3	14167.2	14096.5	13360.5	12667.0	12671.7	12921.8	13841.7	14596.6	14351.2
22.5°	15214.5	15412.7	15724.1	14870.1	13360.5	12530.2	12369.8	12709.4	14143.7	15573.1	15634.4
25°	16738.3	17101.7	17186.6	16181.7	14030.4	12657.6	12553.8	12888.7	14445.6	16526.1	17106.4
27.5°	18125.4	18257.4	18630.2	17026.1	14403.1	12742.5	12733.1	13162.3	14827.7	17002.6	18422.6
30°	19219.9	19205.7	19418.0	17559.2	14997.6	13219.0	12761.3	13572.8	15327.8	17790.4	19639.8
32.5°	19965.3	20125.7	20573.9	18299.9	15247.6	13671.9	13313.4	14054.0	15936.4	18163.2	20498.4
35°	21276.8	21555.2	20989.0	18710.4	16040.1	14120.1	13700.1	14709.8	16238.3	18568.9	21550.5
37.5°	22512.8	22300.5	21725.0	18932.1	16554.4	14950.4	14558.8	15978.8	17177.1	19451.1	22248.7
40°	23305.4	23300.7	22276.9	19111.4	16917.6	16219.4	16195.8	17266.7	18328.2	20007.7	23031.8
42.5°	23649.8	23980.0	22503.4	19092.5	17681.9	17757.4	18233.9	19191.5	19144.4	20120.9	23012.9
44°	24121.6	24319.7	22895.0	19134.9	18191.4	18795.3	19918.1	20526.7	19856.8	20059.6	22989.3
45°	24102.7	24116.9	22338.3	19191.5	18625.5	19663.3	20668.2	21696.7	20484.2	19927.5	23300.7
47.5°	23550.7	23390.3	21866.5	18771.7	19979.5	21956.2	22885.5	23508.3	21258.0	19644.5	22913.8
50°	22460.9	22276.9	20720.1	18592.4	20262.5	23380.9	24664.1	24890.6	21960.9	19366.1	22531.7
52.5°	22536.4	22484.6	21045.6	18861.4	20545.5	23829.1	25886.0	25942.6	22758.1	19951.1	22536.4
55°	23885.7	23706.4	21979.7	19196.3	20338.0	23305.4	25107.6	25008.5	22489.3	19597.3	22951.6
57.5°	21857.1	21975.0	20687.1	17870.7	17799.8	18946.2	19738.9	19493.5	18767.0	17686.7	21352.3
60°	17634.8	17969.7	18092.3	14945.7	13431.3	12841.6	12605.7	12171.6	12294.3	14530.5	18757.6
62.5°	15125.0	15106.0	15875.1	13549.2	8798.5	7567.1	7454.0	7553.0	8968.3	14304.1	18370.7
65°	11992.4	12313.2	12549.1	11482.8	6963.3	5618.8	5614.1	6241.5	7760.6	11954.6	14832.5
67.5°	7614.3	8034.2	8326.7	7345.5	4656.4	4000.6	3892.1	4646.9	5378.2	7840.8	8930.6
70°	4293.1	4491.3	4623.3	4236.5	2962.7	2075.8	1953.1	2132.4	3250.5	5076.3	5293.3
72.5°	1655.9	1745.6	1924.8	1939.0	1118.1	669.9	542.5	651.0	1368.1	2009.7	1915.4
75°	254.7	273.7	386.9	462.3	320.8	245.3	259.4	268.9	382.2	519.0	434.0
77.5°	122.7	122.7	117.9	136.8	160.4	174.6	188.7	207.6	226.5	250.0	240.6
80°	80.2	80.2	80.2	94.4	117.9	141.5	160.4	169.8	179.3	198.1	188.7
82.5°	51.9	51.9	51.9	70.7	94.4	117.9	127.4	151.0	169.8	198.1	184.0
85°	28.3	28.3	28.3	47.2	70.7	99.1	94.4	75.5	42.5	4.7	9.4
87.5°	9.4	9.4	9.4	9.4	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°	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6
2.5°	14832.5	14615.4	14596.6	14153.1	13756.8	13563.4	13407.6	12973.7	13068.0	12817.9	12813.2
5°	14115.3	13671.9	12954.8	12365.1	11775.3	11657.4	11143.2	10695.0	10709.1	10388.4	10445.0
7.5°	12827.4	12520.7	11648.0	10723.3	9940.2	9383.5	8897.5	8605.1	8232.4	8105.0	8039.0
10°	12011.2	11633.8	10652.5	9492.0	8614.5	8317.3	7850.2	7590.8	7208.6	7019.9	6887.9
12.5°	11652.7	11100.7	9874.1	8694.7	8109.7	7803.1	7406.8	6935.0	6482.1	6307.6	6067.0
15°	11690.4	11030.0	9647.7	8373.9	7670.9	7076.5	6722.7	6199.0	5736.7	5430.1	5255.5
17.5°	12261.3	11459.3	9751.5	8128.6	7119.0	6373.6	5680.1	5114.0	4746.0	4514.8	4458.2
20°	13610.6	12520.7	9926.0	7732.3	6567.0	5637.6	4783.8	4194.1	3911.0	3906.3	3911.0
22.5°	14733.4	13653.0	10279.9	7496.4	6015.1	4694.1	3844.9	3656.2	3599.6	3717.6	3731.7
25°	16247.7	14926.7	10888.4	7373.7	5505.5	4000.6	3476.9	3406.1	3401.4	3552.4	3557.2
27.5°	17799.8	16040.1	11251.7	7015.2	4986.6	3642.0	3255.2	3241.0	3316.6	3476.9	3462.8
30°	18856.6	16974.2	11907.5	6585.9	4373.3	3326.0	3165.6	3184.4	3288.2	3410.9	3429.8
32.5°	20088.0	17894.2	12077.3	6350.1	3995.9	3061.7	2948.5	2991.0	3123.1	3316.6	3420.3
35°	21498.6	18545.2	12336.8	6029.2	3854.4	2858.9	2802.3	2849.5	3009.9	3137.3	3250.5
37.5°	22541.2	19696.4	12384.0	5779.2	3698.6	2745.7	2656.0	2811.7	2906.1	3085.4	3142.0
40°	23314.9	20531.4	12506.6	5623.5	3576.0	2599.4	2599.4	2703.2	2830.6	2995.7	3108.9
42.5°	23810.2	21140.0	12596.2	5482.0	3340.1	2557.0	2533.4	2637.2	2807.0	2967.5	3019.4
44°	24112.1	21399.5	12506.6	5349.9	3274.1	2505.1	2505.1	2594.7	2726.9	2915.5	2976.9
45°	24187.6	21725.0	12308.5	5345.1	3193.9	2443.8	2434.4	2604.2	2693.8	2925.0	2962.7
47.5°	24480.1	22126.0	12332.1	5194.2	3000.4	2297.5	2462.6	2538.1	2618.3	2821.2	2948.5
50°	24470.7	22376.0	12280.1	4972.4	2858.9	2132.4	2406.0	2491.0	2571.1	2778.7	2830.6
52.5°	24536.8	23310.1	12756.6	4618.6	2604.2	1920.1	2217.3	2406.0	2505.1	2679.7	2788.2
55°	24503.7	23843.2	13228.4	4354.4	2245.6	1792.8	2056.9	2278.6	2420.1	2604.2	2656.0
57.5°	22380.8	21073.9	12242.4	3859.1	1858.8	1641.7	1830.4	2146.6	2325.8	2514.5	2580.6
60°	18285.8	16243.0	10095.9	2840.1	1528.5	1509.7	1703.1	2104.1	2179.5	2344.7	2457.9
62.5°	16898.8	14247.5	8005.9	2170.1	1306.8	1382.3	1571.0	1901.2	2019.2	2222.0	2325.8
65°	13223.7	9463.7	4958.3	1467.2	1151.1	1240.7	1420.0	1665.3	1858.8	2047.5	2170.1
67.5°	7831.4	5170.6	2453.2	1028.5	1004.8	1099.2	1283.2	1467.2	1688.9	1896.5	1957.8
70°	4264.8	2542.8	1047.3	783.1	853.9	938.8	1118.1	1245.4	1457.8	1618.2	1721.9
72.5°	1368.1	773.7	523.7	580.3	651.0	750.1	858.7	1014.3	1165.3	1259.6	1344.5
75°	330.3	325.6	372.7	405.7	471.8	547.2	636.9	717.1	835.0	924.7	1000.1
77.5°	231.2	250.0	287.8	335.0	358.5	386.9	443.5	504.8	556.7	622.8	669.9
80°	179.3	193.4	221.8	245.3	268.9	292.5	320.8	344.4	377.4	419.9	443.5
82.5°	169.8	179.3	207.6	221.8	212.3	207.6	226.5	235.9	240.6	254.7	268.9
85°	14.1	0.0	9.4	33.1	80.2	117.9	127.4	127.4	122.7	132.1	132.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	18.8	14.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6
2.5°	12756.6	12596.2	12657.6	12733.1	12624.6	12374.5	12440.6	12412.2	12667.0	12648.1	12902.9
5°	10695.0	10445.0	10473.3	10841.2	10723.3	10850.7	10595.9	10562.9	10610.1	10633.7	10676.2
7.5°	8185.2	8152.1	8435.2	8746.6	8892.8	8741.9	8491.8	8435.2	8383.3	8279.6	8515.5
10°	6680.2	6689.7	6670.8	6906.7	7071.8	7038.8	6887.9	6869.0	6769.9	6732.1	6864.2
12.5°	5963.2	5835.8	5774.5	5699.0	5826.4	5911.3	5845.2	5798.0	5802.7	5849.9	5868.8
15°	5269.6	5189.5	5057.4	4972.4	5033.8	4991.3	4967.7	5062.1	5038.5	5029.1	5142.3
17.5°	4491.3	4557.3	4547.9	4453.5	4533.7	4500.7	4496.0	4429.9	4340.3	4274.2	4312.0
20°	3977.0	4099.7	4194.1	4198.8	4241.2	4236.5	4165.7	3962.9	3896.8	3882.6	3892.1
22.5°	3793.0	3859.1	3972.3	4132.7	4132.7	4057.2	3972.3	3736.4	3675.1	3609.1	3580.7
25°	3646.7	3774.2	3920.4	3939.2	4014.8	3944.0	3807.2	3689.2	3561.9	3472.2	3472.2
27.5°	3571.3	3712.8	3821.3	3854.4	3958.2	3901.6	3760.0	3609.1	3458.1	3453.3	3373.2
30°	3538.3	3670.4	3741.1	3821.3	3868.5	3778.9	3736.4	3576.0	3425.1	3387.3	3255.2
32.5°	3439.2	3627.9	3760.0	3741.1	3778.9	3741.1	3679.8	3547.7	3377.9	3292.9	3278.8
35°	3326.0	3514.7	3656.2	3755.3	3778.9	3698.6	3661.0	3481.7	3250.5	3208.0	3061.7
37.5°	3264.7	3377.9	3552.4	3712.8	3745.8	3703.4	3576.0	3392.0	3160.8	3113.7	2986.3
40°	3189.2	3335.4	3472.2	3604.4	3703.4	3599.6	3453.3	3274.1	3170.3	3028.8	2991.0
42.5°	3132.6	3297.6	3410.9	3557.2	3670.4	3533.5	3363.7	3241.0	3094.8	3000.4	2891.9
44°	3113.7	3264.7	3340.1	3519.4	3613.8	3510.0	3368.5	3241.0	3071.2	2986.3	2891.9
45°	3047.6	3255.2	3335.4	3495.8	3576.0	3491.1	3311.9	3184.4	3061.7	2958.0	2858.9
47.5°	2981.6	3123.1	3259.9	3387.3	3443.9	3415.6	3264.7	3108.9	2962.7	2901.4	2807.0
50°	2962.7	3104.2	3231.6	3349.5	3415.6	3359.0	3222.2	3071.2	2901.4	2802.3	2722.1
52.5°	2868.4	3042.9	3184.4	3222.2	3307.1	3274.1	3170.3	3005.1	2844.8	2759.8	2693.8
55°	2731.6	2915.5	3108.9	3156.1	3278.8	3226.9	3071.2	2915.5	2778.7	2651.3	2566.4
57.5°	2679.7	2858.9	3047.6	3108.9	3184.4	3099.5	3061.7	2896.7	2679.7	2613.6	2481.5
60°	2547.6	2774.0	2929.7	3071.2	3076.0	3052.3	2986.3	2797.6	2618.3	2495.7	2401.3
62.5°	2443.8	2656.0	2778.7	2910.8	2991.0	2925.0	2858.9	2684.4	2491.0	2354.1	2245.6
65°	2292.8	2486.2	2590.0	2670.2	2759.8	2750.4	2637.2	2509.8	2306.9	2198.5	2094.7
67.5°	2061.6	2231.5	2373.0	2448.5	2505.1	2491.0	2406.0	2316.4	2108.8	2000.3	1924.8
70°	1783.3	1957.8	2047.5	2090.0	2146.6	2174.8	2108.8	2066.3	1882.3	1740.9	1670.1
72.5°	1434.2	1547.4	1679.5	1717.2	1740.9	1759.7	1759.7	1721.9	1533.2	1476.6	1354.0
75°	1056.8	1146.4	1245.4	1245.4	1287.9	1292.6	1302.1	1278.5	1136.9	1061.5	1033.2
77.5°	717.1	783.1	863.4	896.3	924.7	920.0	915.3	849.2	773.7	740.7	712.4
80°	467.1	533.1	570.9	613.3	641.6	636.9	646.3	599.1	566.2	509.5	519.0
82.5°	278.4	330.3	368.0	419.9	419.9	434.0	434.0	419.9	386.9	358.5	358.5
85°	132.1	174.6	198.1	231.2	250.0	254.7	226.5	193.4	160.4	146.2	160.4
87.5°	23.5	33.1	47.2	42.5	51.9	47.2	47.2	47.2	47.2	37.8	42.5
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°	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6	14412.6
2.5°	12808.5	13044.4	13209.5	13483.2	13955.0	14332.3	14719.2	15007.0	15040.0	15125.0
5°	10831.8	10959.2	11379.1	11926.3	12313.2	12950.1	13360.5	14105.9	14384.2	14681.4
7.5°	8458.9	8666.4	9227.8	9595.8	10445.0	11242.2	12067.8	12987.8	13355.8	13398.2
10°	7133.2	7435.1	7817.2	8406.9	8869.3	9756.2	10784.6	11808.4	12218.8	12289.6
12.5°	6265.1	6652.0	7161.5	7586.1	8029.5	8803.3	9789.2	11053.5	11586.6	11907.5
15°	5430.1	5831.1	6392.4	6982.2	7373.7	8298.4	9459.0	10883.7	11577.2	11860.3
17.5°	4571.4	4944.2	5406.5	6043.3	6831.2	7869.2	9407.1	11449.9	12209.4	12539.6
20°	3835.5	4043.0	4580.8	5236.7	6222.6	7430.4	9425.9	12284.9	13398.2	13544.5
22.5°	3547.7	3594.9	3807.2	4411.0	5491.4	6982.2	9760.9	13469.0	14733.4	15214.5
25°	3326.0	3316.6	3373.2	3778.9	4958.3	6807.6	10091.2	14558.8	16214.7	16738.3
27.5°	3203.3	3108.9	3113.7	3495.8	4580.8	6524.6	10515.8	15808.9	17894.2	18125.4
30°	3142.0	3123.1	3066.5	3222.2	4170.4	6099.9	10586.5	17040.3	18884.9	19219.9
32.5°	3104.2	2920.3	2849.5	2906.1	3783.6	5637.6	10850.7	17851.7	20111.5	19965.3
35°	2915.5	2750.4	2703.2	2759.8	3510.0	5378.2	10676.2	18559.4	21031.5	21276.8
37.5°	2844.8	2698.5	2604.2	2557.0	3255.2	5161.1	10586.5	19649.2	21923.1	22512.8
40°	2778.7	2623.1	2509.8	2462.6	3057.0	4873.3	10558.2	20488.9	22951.6	23305.4
42.5°	2703.2	2604.2	2476.8	2391.9	2816.4	4585.6	10232.7	20748.4	23267.7	23649.8
44°	2679.7	2528.7	2396.6	2368.3	2722.1	4439.4	10166.6	20984.3	23541.3	24121.6
45°	2656.0	2514.5	2363.5	2325.8	2689.1	4359.2	10077.0	21040.9	23994.2	24102.7
47.5°	2590.0	2500.4	2354.1	2250.3	2618.3	4184.6	9808.1	20720.1	23531.9	23550.7
50°	2538.1	2434.4	2283.4	2080.5	2523.9	4038.3	9930.8	20602.1	22418.5	22460.9
52.5°	2481.5	2325.8	2240.9	1891.8	2368.3	3915.7	10190.2	21135.3	22545.9	22536.4
55°	2415.4	2245.6	2038.1	1731.4	2108.8	3760.0	10817.7	22187.3	23725.3	23885.7
57.5°	2311.7	2165.4	1868.2	1589.8	1811.6	3462.8	10614.8	20172.9	21828.7	21857.1
60°	2174.8	2038.1	1693.7	1481.3	1486.0	2731.6	9492.0	15719.4	17224.3	17634.8
62.5°	2042.8	1967.3	1547.4	1325.7	1264.4	2174.8	8024.8	13063.3	14785.3	15125.0
65°	1887.0	1703.1	1420.0	1207.8	1085.1	1523.8	5684.8	9760.9	11534.7	11992.4
67.5°	1688.9	1490.8	1250.2	1061.5	929.4	1019.0	2934.4	5548.0	7345.5	7614.3
70°	1476.6	1292.6	1052.0	896.3	750.1	702.9	1292.6	2646.6	4014.8	4293.1
72.5°	1212.5	1042.6	839.7	707.6	561.4	485.9	434.0	707.6	1424.7	1655.9
75°	877.5	759.5	632.2	504.8	396.3	311.3	254.7	212.3	235.9	254.7
77.5°	646.3	551.9	467.1	358.5	278.4	221.8	174.6	132.1	127.4	122.7
80°	504.8	448.2	372.7	287.8	217.0	165.1	122.7	89.7	80.2	80.2
82.5°	396.3	368.0	306.6	235.9	179.3	132.1	89.7	61.3	51.9	51.9
85°	151.0	151.0	221.8	193.4	136.8	94.4	61.3	33.1	28.3	28.3
87.5°	37.8	37.8	37.8	37.8	33.1	28.3	28.3	14.1	9.4	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)