

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: P531902

Luminaire Tested: **GALN-SA7B-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531902
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-SA7B-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 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: 24686 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

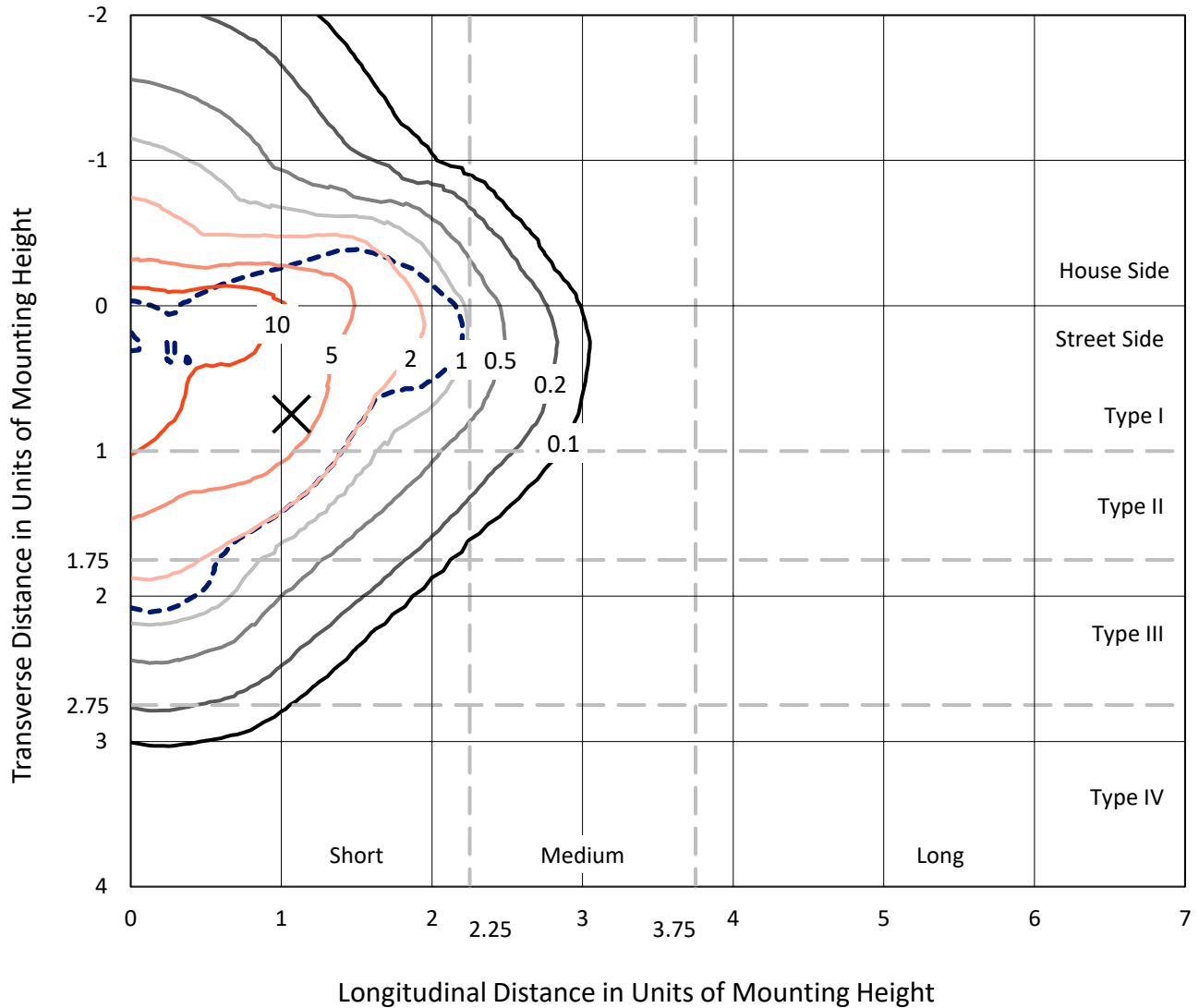
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

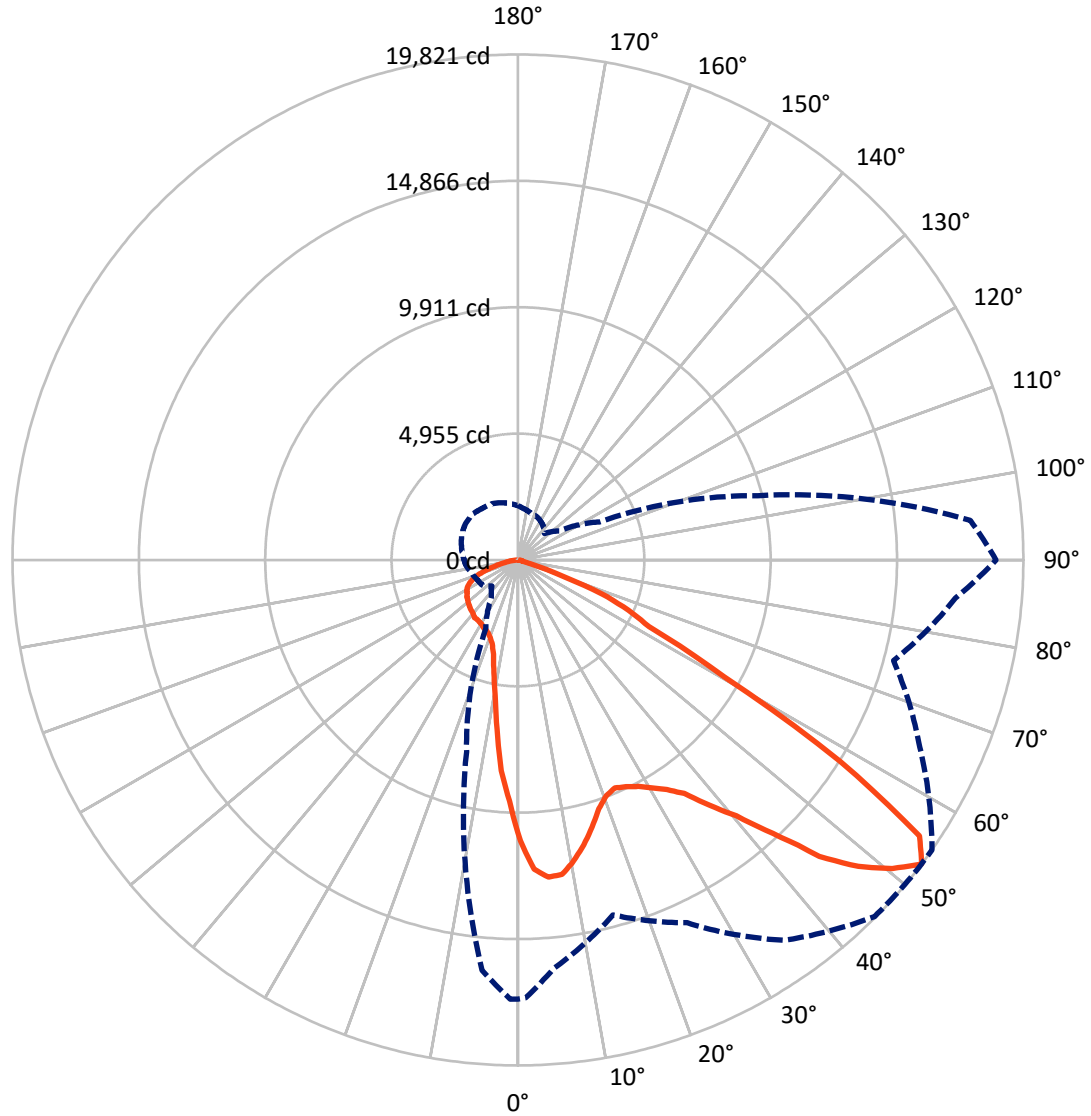
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 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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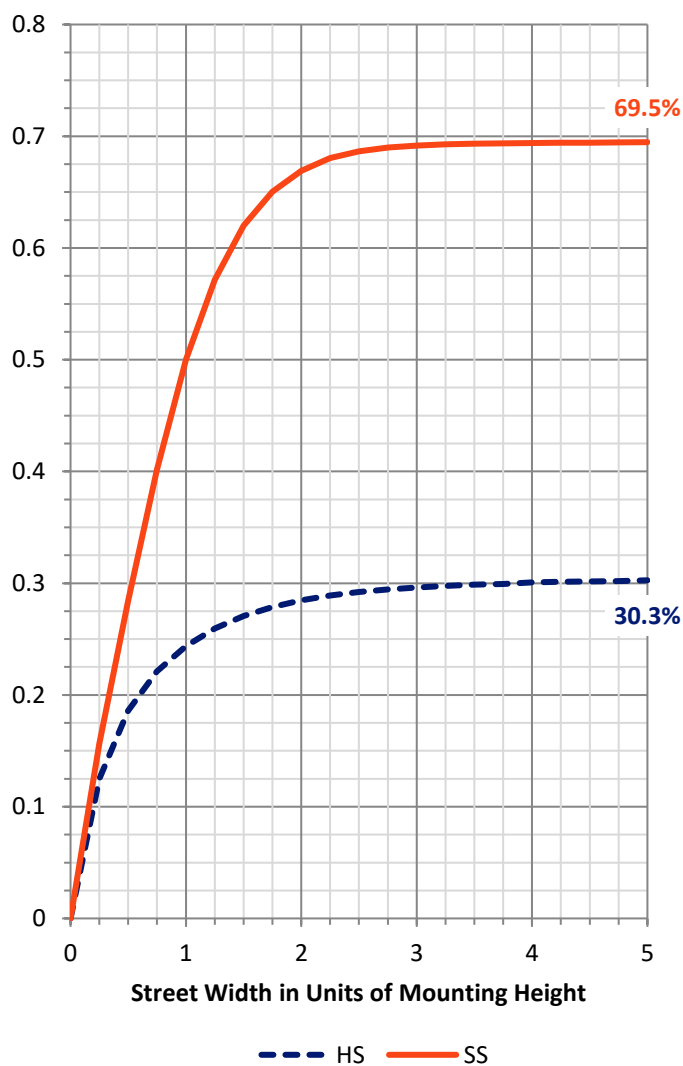
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7530.6	0.0	7530.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	17155.4	0.0	17155.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	24686.0	0.0	24686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.3	3.4
10°-20°	1813.9	7.3
20°-30°	2750.5	11.1
30°-40°	3974.0	16.1
40°-50°	5310.4	21.5
50°-60°	5927.6	24.0
60°-70°	3251.6	13.2
70°-80°	703.0	2.8
80°-90°	113.7	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°	24686.0	100.0
0°-180°	24686.0	100.0

Coefficient of Utilization



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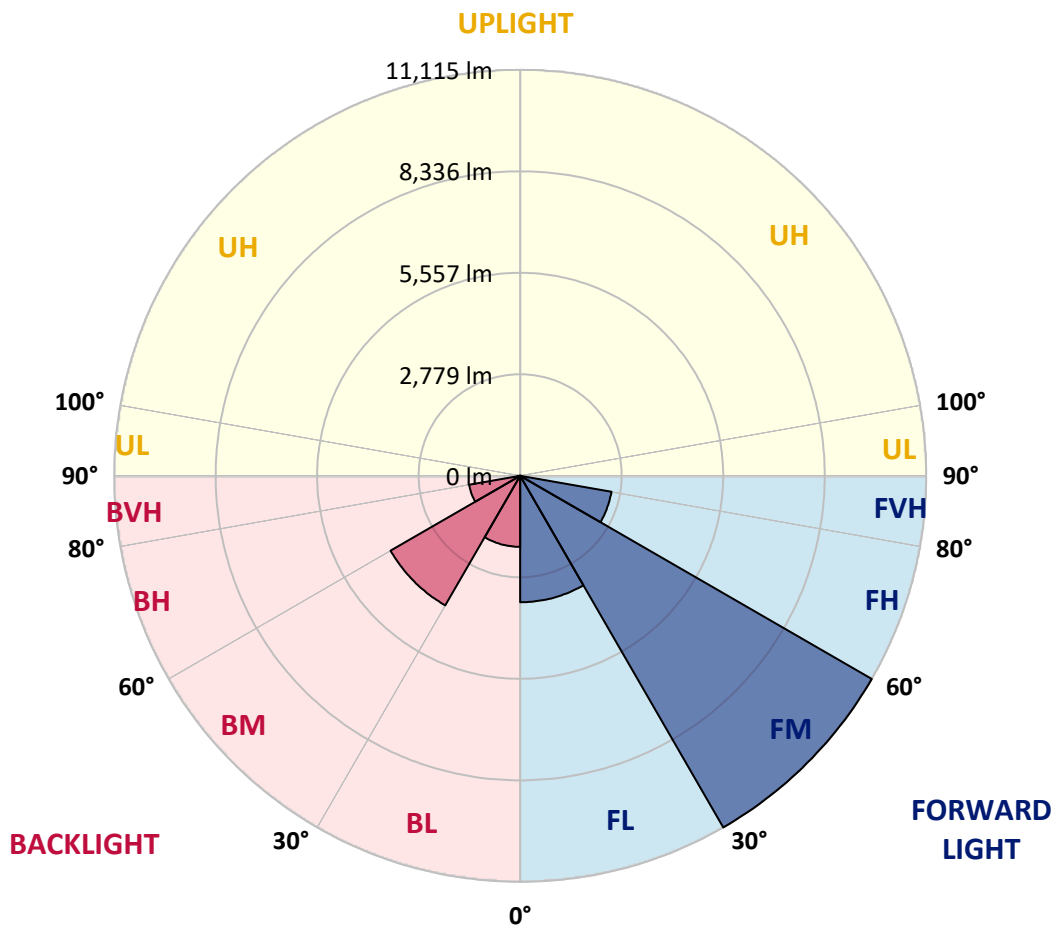
CATALOG NUMBER: GALN-SA7B-727-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3461.4	14.0			
FM (30°-60°)	11114.8	45.0			
FH (60°-80°)	2537.1	10.3			G2/5000
FVH (80°-90°)	42.1	0.2			G1/100
BL (0°-30°)	1944.3	7.9	B3/2500		
BM (30°-60°)	4097.2	16.6	B3/5000		
BH (60°-80°)	1417.4	5.7	B3/2500		G3/2500
BVH (80°-90°)	71.6	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°	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9
2.5°	11556.2	11491.3	11548.9	11822.9	11981.5	12089.6	12158.1	12147.3	11887.8	11635.5	11635.5
5°	11217.3	11134.4	11253.4	11873.4	12496.9	12551.0	12641.1	12493.3	12111.2	11649.9	11073.1
7.5°	10236.9	10298.2	10496.4	11311.0	12122.1	12529.4	12637.5	12450.1	11830.1	10968.6	10121.5
10°	9389.8	9534.0	9991.8	10871.3	11617.4	12147.3	12266.2	12003.1	11512.9	10456.8	9699.8
12.5°	9097.9	9007.7	9516.0	10395.5	11109.2	11393.9	11448.0	11466.0	11134.4	10197.2	9274.5
15°	9061.8	9119.5	9516.0	10182.8	10622.6	10637.0	10727.1	10867.7	10910.9	10373.9	9472.7
17.5°	9580.9	9512.4	9919.7	10449.6	10240.5	10031.4	10053.1	10254.9	10611.8	10525.3	10096.3
20°	10348.6	10503.6	10824.4	10770.4	10208.1	9678.2	9681.8	9872.8	10575.7	11152.4	10965.0
22.5°	11624.6	11776.0	12013.9	11361.5	10208.1	9573.7	9451.1	9710.6	10806.4	11898.6	11945.4
25°	12788.9	13066.5	13131.3	12363.6	10719.9	9671.0	9591.7	9847.6	11037.1	12626.7	13070.1
27.5°	13848.6	13949.6	14234.3	13008.8	11004.7	9735.9	9728.6	10056.7	11329.1	12990.8	14075.7
30°	14684.9	14674.1	14836.3	13416.1	11458.8	10099.9	9750.3	10370.3	11711.1	13592.7	15005.7
32.5°	15254.4	15377.0	15719.4	13982.0	11649.9	10446.0	10172.0	10737.9	12176.1	13877.5	15661.7
35°	16256.5	16469.1	16036.6	14295.6	12255.4	10788.4	10467.6	11239.0	12406.8	14187.5	16465.5
37.5°	17200.9	17038.7	16598.9	14465.0	12648.3	11422.8	11123.6	12208.6	13124.1	14861.5	16999.0
40°	17806.4	17802.8	17020.6	14602.0	12925.9	12392.4	12374.4	13192.6	14003.6	15286.8	17597.4
42.5°	18069.6	18321.9	17193.6	14587.6	13509.8	13567.5	13931.5	14663.3	14627.2	15373.4	17582.9
44°	18430.0	18581.4	17492.8	14620.0	13899.1	14360.5	15218.4	15683.3	15171.5	15326.5	17564.9
45°	18415.6	18426.4	17067.5	14663.3	14230.7	15023.7	15791.5	16577.3	15650.9	15225.6	17802.8
47.5°	17993.9	17871.3	16707.0	14342.5	15265.2	16775.5	17485.6	17961.4	16242.1	15009.3	17507.2
50°	17161.2	17020.6	15831.1	14205.5	15481.5	17864.1	18844.5	19017.5	16779.1	14796.6	17215.3
52.5°	17218.9	17179.2	16079.8	14410.9	15697.8	18206.5	19778.1	19821.4	17388.3	15243.6	17218.9
55°	18249.8	18112.8	16793.5	14666.9	15539.2	17806.4	19183.4	19107.7	17182.8	14973.3	17536.1
57.5°	16699.8	16789.9	15805.9	13654.0	13599.9	14475.8	15081.4	14894.0	14338.9	13513.4	16314.1
60°	13473.8	13729.7	13823.4	11419.2	10262.1	9811.6	9631.3	9299.7	9393.4	11102.0	14331.6
62.5°	11556.2	11541.7	12129.3	10352.2	6722.5	5781.7	5695.2	5770.9	6852.2	10929.0	14036.1
65°	9162.7	9407.8	9588.1	8773.4	5320.3	4293.0	4289.4	4768.8	5929.5	9133.9	11332.7
67.5°	5817.7	6138.5	6362.0	5612.3	3557.7	3056.6	2973.7	3550.5	4109.2	5990.7	6823.4
70°	3280.1	3431.5	3532.4	3236.9	2263.7	1586.0	1492.3	1629.3	2483.5	3878.5	4044.3
72.5°	1265.2	1333.7	1470.7	1481.5	854.3	511.8	414.5	497.4	1045.3	1535.5	1463.4
75°	194.6	209.1	295.6	353.2	245.1	187.4	198.2	205.5	292.0	396.5	331.6
77.5°	93.7	93.7	90.1	104.5	122.6	133.4	144.2	158.6	173.0	191.0	183.8
80°	61.3	61.3	61.3	72.1	90.1	108.1	122.6	129.8	137.0	151.4	144.2
82.5°	39.6	39.6	39.6	54.1	72.1	90.1	97.3	115.3	129.8	151.4	140.6
85°	21.6	21.6	21.6	36.0	54.1	75.7	72.1	57.7	32.4	3.6	7.2
87.5°	7.2	7.2	7.2	7.2	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°	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9
2.5°	11332.7	11166.9	11152.4	10813.6	10510.8	10363.0	10244.1	9912.5	9984.6	9793.5	9789.9
5°	10784.8	10446.0	9898.1	9447.5	8996.9	8906.8	8513.9	8171.5	8182.3	7937.2	7980.4
7.5°	9800.7	9566.4	8899.6	8193.1	7594.8	7169.4	6798.2	6574.7	6289.9	6192.6	6142.1
10°	9177.2	8888.8	8139.0	7252.3	6581.9	6354.8	5998.0	5799.7	5507.7	5363.6	5262.6
12.5°	8903.2	8481.5	7544.3	6643.2	6196.2	5961.9	5659.1	5298.7	4952.6	4819.3	4635.4
15°	8932.0	8427.4	7371.3	6398.1	5861.0	5406.8	5136.5	4736.4	4383.1	4148.8	4015.5
17.5°	9368.2	8755.4	7450.6	6210.6	5439.2	4869.7	4339.9	3907.3	3626.2	3449.5	3406.3
20°	10399.1	9566.4	7583.9	5907.8	5017.5	4307.4	3655.0	3204.4	2988.2	2984.6	2988.2
22.5°	11257.0	10431.5	7854.3	5727.6	4595.8	3586.5	2937.7	2793.5	2750.3	2840.4	2851.2
25°	12414.0	11404.8	8319.3	5633.9	4206.5	3056.6	2656.5	2602.5	2598.9	2714.2	2717.8
27.5°	13599.9	12255.4	8596.8	5359.9	3810.0	2782.7	2487.1	2476.3	2534.0	2656.5	2645.7
30°	14407.3	12969.1	9097.9	5031.9	3341.4	2541.2	2418.6	2433.1	2512.4	2606.1	2620.5
32.5°	15348.1	13672.0	9227.6	4851.7	3053.0	2339.3	2252.8	2285.3	2386.2	2534.0	2613.3
35°	16425.9	14169.4	9425.9	4606.6	2944.9	2184.4	2141.1	2177.1	2299.7	2397.0	2483.5
37.5°	17222.5	15048.9	9461.9	4415.6	2826.0	2097.8	2029.4	2148.3	2220.4	2357.4	2400.6
40°	17813.6	15687.0	9555.6	4296.6	2732.2	1986.1	1986.1	2065.4	2162.7	2288.9	2375.4
42.5°	18192.1	16151.9	9624.1	4188.5	2552.0	1953.7	1935.6	2014.9	2144.7	2267.3	2306.9
44°	18422.8	16350.2	9555.6	4087.5	2501.5	1914.0	1914.0	1982.5	2083.4	2227.6	2274.5
45°	18480.5	16598.9	9404.2	4083.9	2440.3	1867.2	1859.9	1989.7	2058.2	2234.8	2263.7
47.5°	18704.0	16905.3	9422.3	3968.6	2292.5	1755.4	1881.6	1939.2	2000.5	2155.5	2252.8
50°	18696.7	17096.3	9382.6	3799.2	2184.4	1629.3	1838.3	1903.2	1964.5	2123.1	2162.7
52.5°	18747.2	17810.0	9746.7	3528.8	1989.7	1467.0	1694.1	1838.3	1914.0	2047.4	2130.3
55°	18722.0	18217.3	10107.1	3327.0	1715.8	1369.7	1571.6	1741.0	1849.1	1989.7	2029.4
57.5°	17099.9	16101.5	9353.8	2948.5	1420.2	1254.4	1398.6	1640.1	1777.0	1921.2	1971.7
60°	13971.2	12410.4	7713.7	2169.9	1167.9	1153.5	1301.2	1607.6	1665.3	1791.5	1878.0
62.5°	12911.5	10885.7	6116.9	1658.1	998.5	1056.1	1200.3	1452.6	1542.7	1697.7	1777.0
65°	10103.5	7230.7	3788.4	1121.0	879.5	948.0	1085.0	1272.4	1420.2	1564.4	1658.1
67.5°	5983.5	3950.6	1874.4	785.8	767.8	839.9	980.4	1121.0	1290.4	1449.0	1495.9
70°	3258.5	1942.8	800.2	598.4	652.4	717.3	854.3	951.6	1113.8	1236.4	1315.7
72.5°	1045.3	591.1	400.1	443.4	497.4	573.1	656.0	775.0	890.3	962.4	1027.3
75°	252.3	248.7	284.8	310.0	360.5	418.1	486.6	547.9	638.0	706.5	764.2
77.5°	176.6	191.0	219.9	255.9	273.9	295.6	338.8	385.7	425.3	475.8	511.8
80°	137.0	147.8	169.4	187.4	205.5	223.5	245.1	263.1	288.4	320.8	338.8
82.5°	129.8	137.0	158.6	169.4	162.2	158.6	173.0	180.2	183.8	194.6	205.5
85°	10.8	0.0	7.2	25.2	61.3	90.1	97.3	97.3	93.7	100.9	100.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	14.4	10.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9
2.5°	9746.7	9624.1	9671.0	9728.6	9645.7	9454.7	9505.2	9483.5	9678.2	9663.8	9858.4
5°	8171.5	7980.4	8002.1	8283.2	8193.1	8290.4	8095.8	8070.6	8106.6	8124.6	8157.1
7.5°	6253.9	6228.6	6444.9	6682.8	6794.6	6679.2	6488.2	6444.9	6405.3	6326.0	6506.2
10°	5104.0	5111.2	5096.8	5277.0	5403.2	5378.0	5262.6	5248.2	5172.5	5143.7	5244.6
12.5°	4556.1	4458.8	4412.0	4354.3	4451.6	4516.5	4466.0	4430.0	4433.6	4469.6	4484.0
15°	4026.3	3965.0	3864.1	3799.2	3846.0	3813.6	3795.6	3867.7	3849.6	3842.4	3928.9
17.5°	3431.5	3482.0	3474.8	3402.7	3464.0	3438.7	3435.1	3384.7	3316.2	3265.7	3294.5
20°	3038.6	3132.3	3204.4	3208.0	3240.5	3236.9	3182.8	3027.8	2977.3	2966.5	2973.7
22.5°	2898.0	2948.5	3035.0	3157.6	3157.6	3099.9	3035.0	2854.8	2807.9	2757.5	2735.8
25°	2786.3	2883.6	2995.4	3009.8	3067.5	3013.4	2908.9	2818.7	2721.4	2652.9	2652.9
27.5°	2728.6	2836.8	2919.7	2944.9	3024.2	2981.0	2872.8	2757.5	2642.1	2638.5	2577.2
30°	2703.4	2804.3	2858.4	2919.7	2955.7	2887.2	2854.8	2732.2	2616.9	2588.1	2487.1
32.5°	2627.7	2771.9	2872.8	2858.4	2887.2	2858.4	2811.5	2710.6	2580.8	2516.0	2505.2
35°	2541.2	2685.4	2793.5	2869.2	2887.2	2826.0	2797.1	2660.1	2483.5	2451.1	2339.3
37.5°	2494.3	2580.8	2714.2	2836.8	2862.0	2829.6	2732.2	2591.7	2415.0	2379.0	2281.7
40°	2436.7	2548.4	2652.9	2753.9	2829.6	2750.3	2638.5	2501.5	2422.2	2314.1	2285.3
42.5°	2393.4	2519.6	2606.1	2717.8	2804.3	2699.8	2570.0	2476.3	2364.6	2292.5	2209.6
44°	2379.0	2494.3	2552.0	2689.0	2761.1	2681.8	2573.6	2476.3	2346.6	2281.7	2209.6
45°	2328.5	2487.1	2548.4	2671.0	2732.2	2667.4	2530.4	2433.1	2339.3	2260.0	2184.4
47.5°	2278.1	2386.2	2490.7	2588.1	2631.3	2609.7	2494.3	2375.4	2263.7	2216.8	2144.7
50°	2263.7	2371.8	2469.1	2559.2	2609.7	2566.4	2461.9	2346.6	2216.8	2141.1	2079.8
52.5°	2191.6	2324.9	2433.1	2461.9	2526.8	2501.5	2422.2	2296.1	2173.5	2108.7	2058.2
55°	2087.0	2227.6	2375.4	2411.4	2505.2	2465.5	2346.6	2227.6	2123.1	2025.8	1960.9
57.5°	2047.4	2184.4	2328.5	2375.4	2433.1	2368.2	2339.3	2213.2	2047.4	1996.9	1896.0
60°	1946.5	2119.5	2238.4	2346.6	2350.2	2332.1	2281.7	2137.5	2000.5	1906.8	1834.7
62.5°	1867.2	2029.4	2123.1	2224.0	2285.3	2234.8	2184.4	2051.0	1903.2	1798.7	1715.8
65°	1751.8	1899.6	1978.9	2040.2	2108.7	2101.4	2014.9	1917.6	1762.6	1679.7	1600.4
67.5°	1575.2	1704.9	1813.1	1870.8	1914.0	1903.2	1838.3	1769.8	1611.2	1528.3	1470.7
70°	1362.5	1495.9	1564.4	1596.8	1640.1	1661.7	1611.2	1578.8	1438.2	1330.1	1276.0
72.5°	1095.8	1182.3	1283.2	1312.1	1330.1	1344.5	1344.5	1315.7	1171.5	1128.2	1034.5
75°	807.4	875.9	951.6	951.6	984.0	987.6	994.9	976.8	868.7	811.0	789.4
77.5°	547.9	598.4	659.6	684.9	706.5	702.9	699.3	648.8	591.1	565.9	544.3
80°	356.8	407.3	436.1	468.6	490.2	486.6	493.8	457.8	432.5	389.3	396.5
82.5°	212.7	252.3	281.2	320.8	320.8	331.6	331.6	320.8	295.6	273.9	273.9
85°	100.9	133.4	151.4	176.6	191.0	194.6	173.0	147.8	122.6	111.7	122.6
87.5°	18.0	25.2	36.0	32.4	39.6	36.0	36.0	36.0	36.0	28.8	32.4
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°	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9	11011.9
2.5°	9786.3	9966.5	10092.7	10301.8	10662.2	10950.6	11246.2	11466.0	11491.3	11556.2
5°	8276.0	8373.3	8694.1	9112.3	9407.8	9894.5	10208.1	10777.6	10990.2	11217.3
7.5°	6462.9	6621.5	7050.5	7331.6	7980.4	8589.6	9220.4	9923.3	10204.4	10236.9
10°	5450.1	5680.8	5972.7	6423.3	6776.5	7454.2	8240.0	9022.2	9335.8	9389.8
12.5°	4786.8	5082.4	5471.7	5796.1	6134.9	6726.1	7479.4	8445.4	8852.7	9097.9
15°	4148.8	4455.2	4884.1	5334.7	5633.9	6340.4	7227.1	8315.7	8845.5	9061.8
17.5°	3492.8	3777.6	4130.8	4617.4	5219.4	6012.4	7187.5	8748.2	9328.5	9580.9
20°	2930.5	3089.1	3500.0	4001.0	4754.4	5677.1	7201.9	9386.2	10236.9	10348.6
22.5°	2710.6	2746.7	2908.9	3370.2	4195.7	5334.7	7457.8	10291.0	11257.0	11624.6
25°	2541.2	2534.0	2577.2	2887.2	3788.4	5201.3	7710.1	11123.6	12388.8	12788.9
27.5°	2447.5	2375.4	2379.0	2671.0	3500.0	4985.1	8034.5	12078.8	13672.0	13848.6
30°	2400.6	2386.2	2343.0	2461.9	3186.4	4660.7	8088.6	13019.6	14429.0	14684.9
32.5°	2371.8	2231.2	2177.1	2220.4	2890.8	4307.4	8290.4	13639.6	15366.1	15254.4
35°	2227.6	2101.4	2065.4	2108.7	2681.8	4109.2	8157.1	14180.3	16069.0	16256.5
37.5°	2173.5	2061.8	1989.7	1953.7	2487.1	3943.4	8088.6	15012.9	16750.3	17200.9
40°	2123.1	2004.1	1917.6	1881.6	2335.7	3723.5	8067.0	15654.5	17536.1	17806.4
42.5°	2065.4	1989.7	1892.4	1827.5	2151.9	3503.6	7818.2	15852.8	17777.6	18069.6
44°	2047.4	1932.0	1831.1	1809.5	2079.8	3391.9	7767.8	16033.0	17986.6	18430.0
45°	2029.4	1921.2	1805.9	1777.0	2054.6	3330.6	7699.3	16076.2	18332.7	18415.6
47.5°	1978.9	1910.4	1798.7	1719.4	2000.5	3197.2	7493.8	15831.1	17979.4	17993.9
50°	1939.2	1859.9	1744.6	1589.6	1928.4	3085.5	7587.6	15741.0	17128.8	17161.2
52.5°	1896.0	1777.0	1712.2	1445.4	1809.5	2991.8	7785.8	16148.3	17226.1	17218.9
55°	1845.5	1715.8	1557.2	1322.9	1611.2	2872.8	8265.2	16952.1	18127.2	18249.8
57.5°	1766.2	1654.5	1427.4	1214.7	1384.1	2645.7	8110.2	15413.0	16678.2	16699.8
60°	1661.7	1557.2	1294.0	1131.8	1135.4	2087.0	7252.3	12010.3	13160.2	13473.8
62.5°	1560.8	1503.1	1182.3	1012.9	966.0	1661.7	6131.3	9981.0	11296.6	11556.2
65°	1441.8	1301.2	1085.0	922.8	829.0	1164.3	4343.5	7457.8	8813.1	9162.7
67.5°	1290.4	1139.0	955.2	811.0	710.1	778.6	2242.0	4238.9	5612.3	5817.7
70°	1128.2	987.6	803.8	684.9	573.1	537.1	987.6	2022.1	3067.5	3280.1
72.5°	926.4	796.6	641.6	540.7	428.9	371.3	331.6	540.7	1088.6	1265.2
75°	670.4	580.3	483.0	385.7	302.8	237.9	194.6	162.2	180.2	194.6
77.5°	493.8	421.7	356.8	273.9	212.7	169.4	133.4	100.9	97.3	93.7
80°	385.7	342.4	284.8	219.9	165.8	126.2	93.7	68.5	61.3	61.3
82.5°	302.8	281.2	234.3	180.2	137.0	100.9	68.5	46.9	39.6	39.6
85°	115.3	115.3	169.4	147.8	104.5	72.1	46.9	25.2	21.6	21.6
87.5°	28.8	28.8	28.8	28.8	25.2	21.6	21.6	10.8	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)