

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: P531590

Luminaire Tested: **GALN-SA6D-827-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531590
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-827-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 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: 25115 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

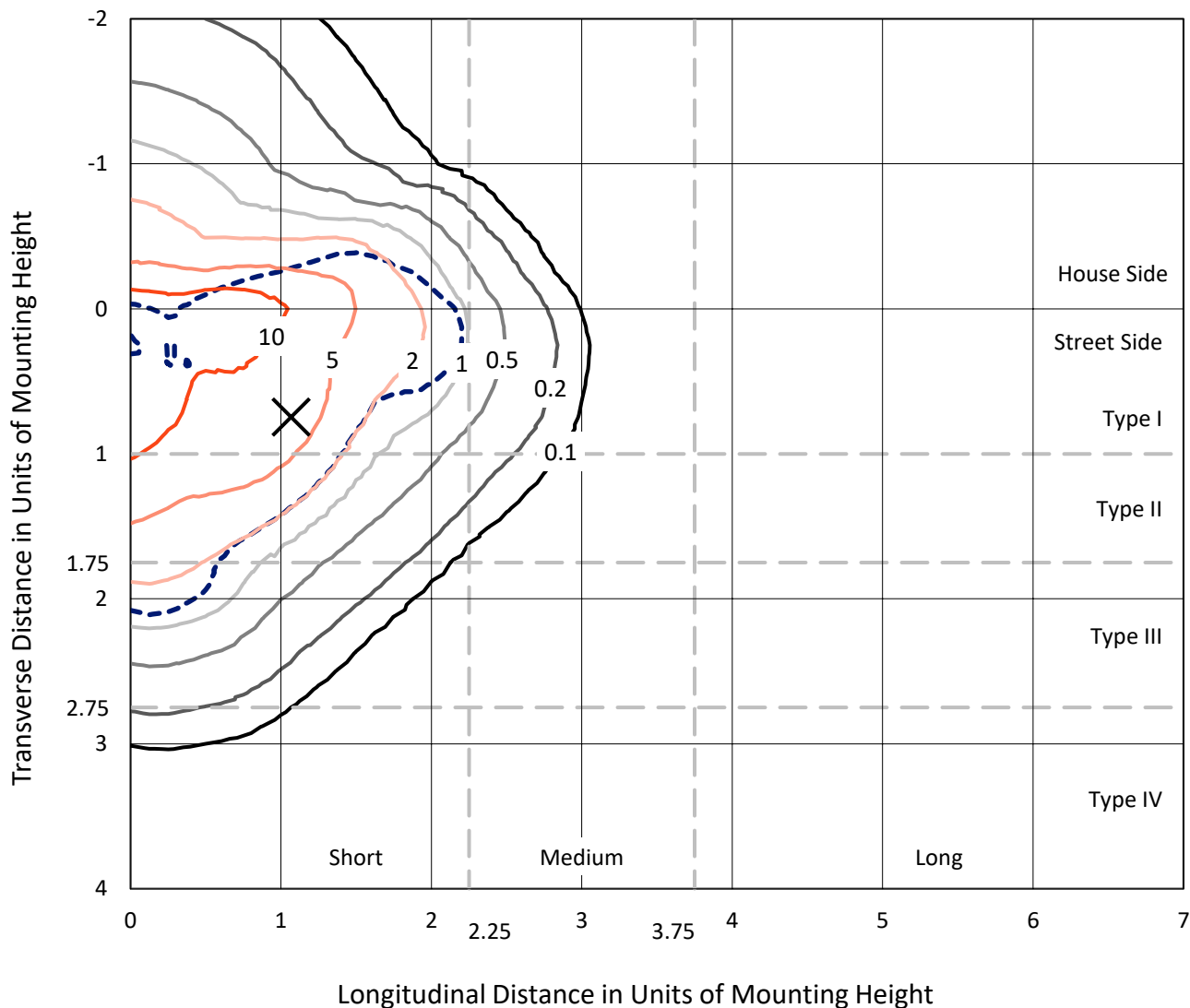
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

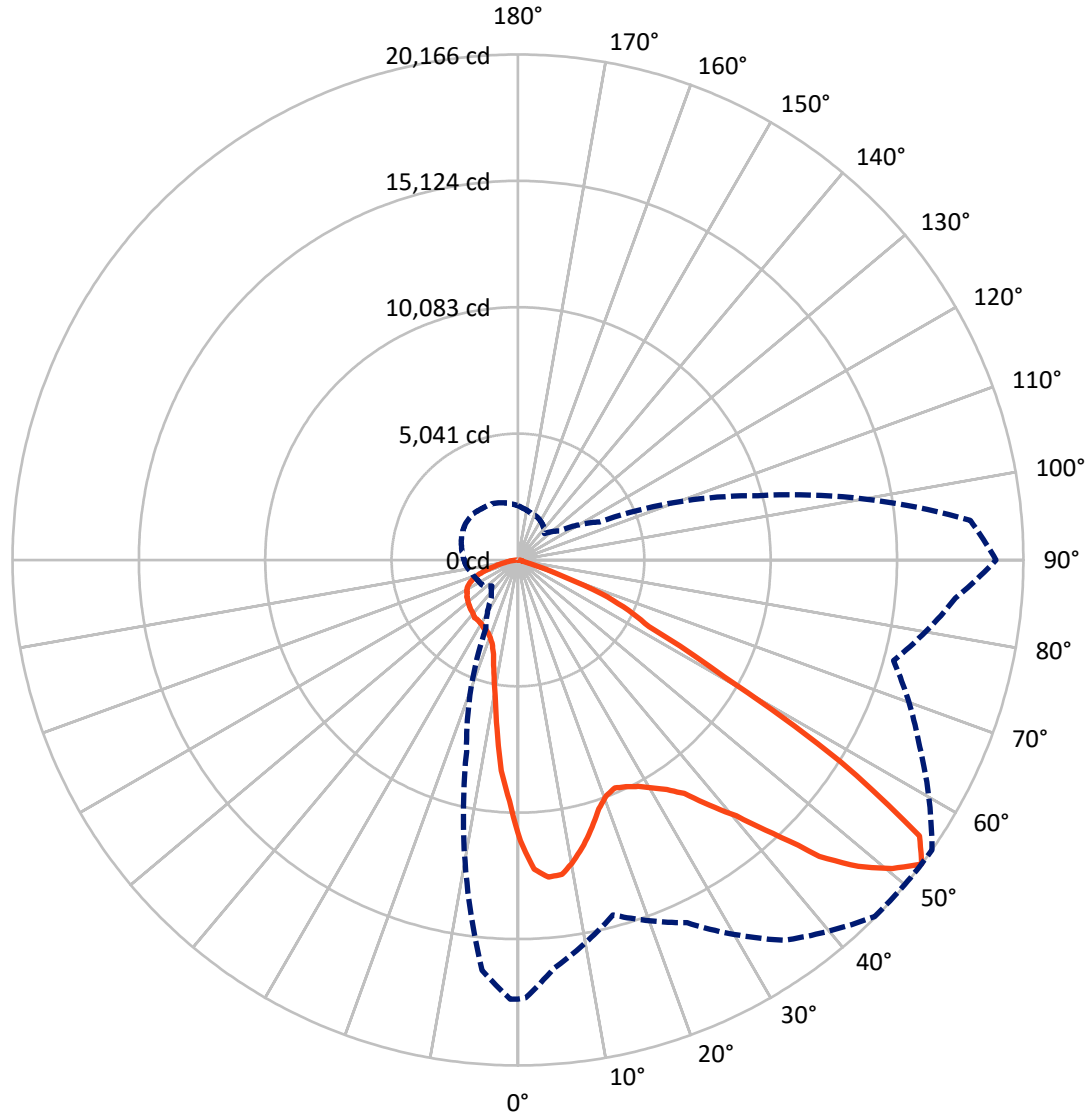
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 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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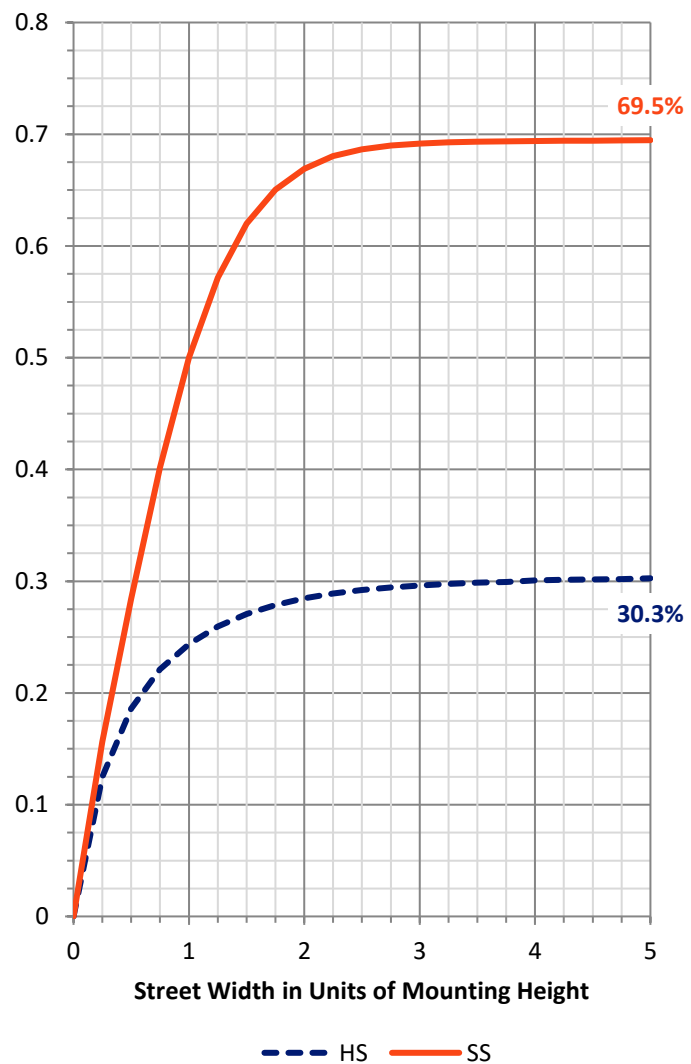
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7661.5	0.0	7661.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	17453.6	0.0	17453.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	25115.0	0.0	25115.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.9	3.4
10°-20°	1845.4	7.3
20°-30°	2798.3	11.1
30°-40°	4043.1	16.1
40°-50°	5402.7	21.5
50°-60°	6030.6	24.0
60°-70°	3308.1	13.2
70°-80°	715.2	2.8
80°-90°	115.7	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°	25115.0	100.0
0°-180°	25115.0	100.0



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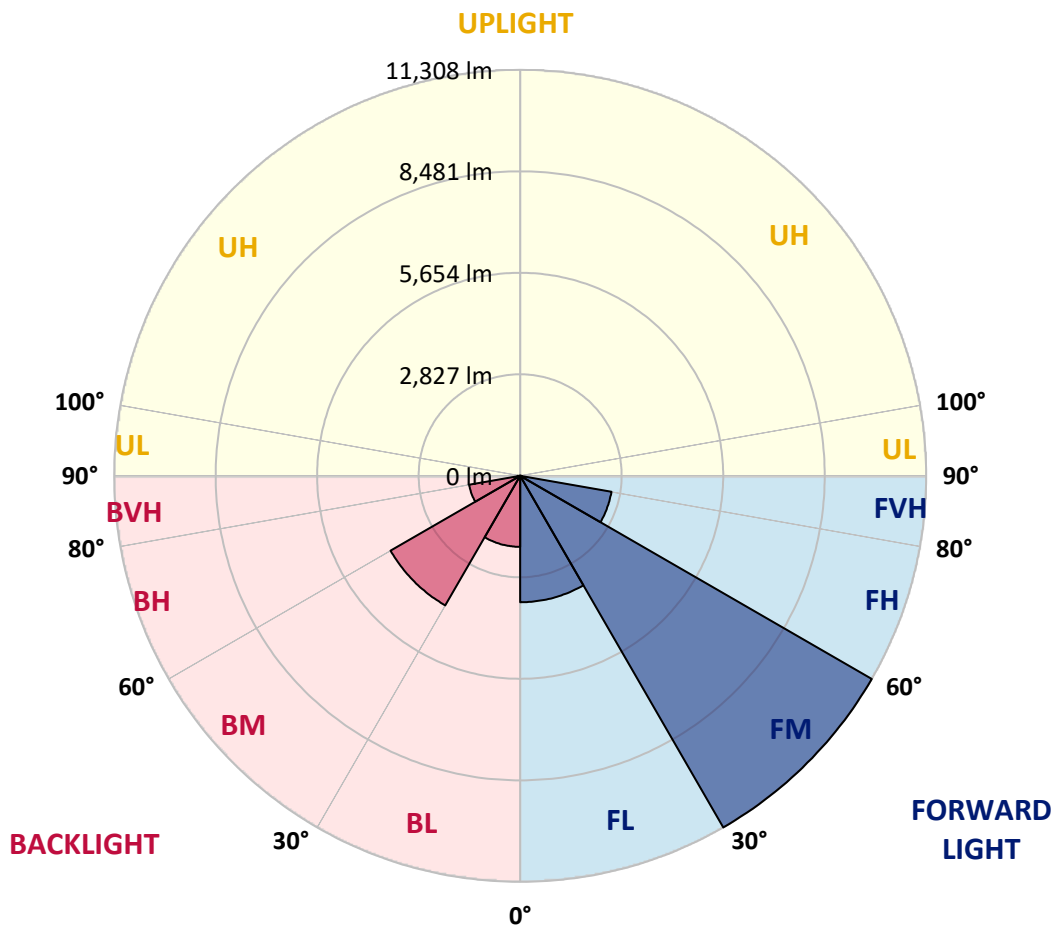
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3521.6	14.0			
FM (30°-60°)	11308.0	45.0			
FH (60°-80°)	2581.2	10.3			G2/5000
FVH (80°-90°)	42.8	0.2			G1/100
BL (0°-30°)	1978.1	7.9	B3/2500		
BM (30°-60°)	4168.4	16.6	B3/5000		
BH (60°-80°)	1442.1	5.7	B3/2500		G3/2500
BVH (80°-90°)	72.9	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°	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2
2.5°	11757.0	11691.0	11749.6	12028.3	12189.7	12299.7	12369.4	12358.4	12094.4	11837.7	11837.7
5°	11412.3	11327.9	11448.9	12079.7	12714.1	12769.1	12860.8	12710.4	12321.7	11852.3	11265.6
7.5°	10414.8	10477.1	10678.8	11507.6	12332.7	12747.1	12857.1	12666.4	12035.7	11159.2	10297.4
10°	9553.0	9699.7	10165.4	11060.2	11819.3	12358.4	12479.4	12211.7	11713.0	10638.5	9868.4
12.5°	9256.0	9164.3	9681.4	10576.1	11302.2	11592.0	11647.0	11665.3	11327.9	10374.5	9435.7
15°	9219.3	9278.0	9681.4	10359.8	10807.2	10821.8	10913.5	11056.5	11100.6	10554.1	9637.3
17.5°	9747.4	9677.7	10092.1	10631.2	10418.5	10205.8	10227.8	10433.1	10796.2	10708.2	10271.8
20°	10528.5	10686.2	11012.5	10957.5	10385.5	9846.4	9850.0	10044.4	10759.5	11346.3	11155.6
22.5°	11826.7	11980.7	12222.7	11558.9	10385.5	9740.0	9615.3	9879.4	10994.2	12105.4	12153.0
25°	13011.2	13293.5	13359.5	12578.4	10906.2	9839.0	9758.4	10018.7	11228.9	12846.1	13297.2
27.5°	14089.3	14192.0	14481.7	13234.9	11195.9	9905.1	9897.7	10231.4	11525.9	13216.5	14320.3
30°	14940.1	14929.1	15094.1	13649.2	11658.0	10275.4	9919.7	10550.5	11914.7	13828.9	15266.5
32.5°	15519.5	15644.2	15992.6	14225.0	11852.3	10627.5	10348.8	10924.5	12387.7	14118.6	15933.9
35°	16539.0	16755.3	16315.3	14544.0	12468.4	10975.9	10649.5	11434.3	12622.4	14434.0	16751.7
37.5°	17499.8	17334.8	16887.4	14716.4	12868.1	11621.3	11316.9	12420.7	13352.2	15119.8	17294.4
40°	18115.9	18112.2	17316.4	14855.7	13150.5	12607.8	12589.4	13421.9	14247.0	15552.5	17903.2
42.5°	18383.6	18640.3	17492.4	14841.1	13744.6	13803.3	14173.6	14918.1	14881.4	15640.5	17888.5
44°	18750.3	18904.3	17796.8	14874.1	14140.6	14610.0	15482.8	15955.9	15435.2	15592.8	17870.2
45°	18735.6	18746.6	17364.1	14918.1	14478.0	15284.8	16065.9	16865.4	15922.9	15490.2	18112.2
47.5°	18306.6	18181.9	16997.4	14591.7	15530.5	17067.1	17789.5	18273.6	16524.3	15270.1	17811.5
50°	17459.4	17316.4	16106.3	14452.4	15750.5	18174.5	19172.0	19348.0	17070.7	15053.8	17514.4
52.5°	17518.1	17477.8	16359.3	14661.4	15970.6	18522.9	20121.8	20165.8	17690.5	15508.5	17518.1
55°	18566.9	18427.6	17085.4	14921.8	15809.2	18115.9	19516.7	19439.7	17481.4	15233.5	17840.8
57.5°	16990.0	17081.7	16080.6	13891.3	13836.3	14727.4	15343.5	15152.8	14588.0	13748.3	16597.7
60°	13707.9	13968.3	14063.6	11617.6	10440.5	9982.1	9798.7	9461.3	9556.7	11294.9	14580.7
62.5°	11757.0	11742.3	12340.1	10532.1	6839.3	5882.2	5794.1	5871.2	6971.3	11118.9	14280.0
65°	9322.0	9571.3	9754.7	8925.9	5412.8	4367.6	4363.9	4851.7	6032.5	9292.6	11529.6
67.5°	5918.8	6245.2	6472.6	5709.8	3619.5	3109.8	3025.4	3612.2	4180.6	6094.9	6942.0
70°	3337.1	3491.2	3593.8	3293.1	2303.0	1613.6	1518.2	1657.6	2526.7	3945.9	4114.6
72.5°	1287.2	1356.9	1496.2	1507.2	869.1	520.7	421.7	506.1	1063.5	1562.2	1488.9
75°	198.0	212.7	300.7	359.4	249.4	190.7	201.7	209.0	297.0	403.4	337.4
77.5°	95.3	95.3	91.7	106.3	124.7	135.7	146.7	161.4	176.0	194.4	187.0
80°	62.3	62.3	62.3	73.3	91.7	110.0	124.7	132.0	139.4	154.0	146.7
82.5°	40.3	40.3	40.3	55.0	73.3	91.7	99.0	117.3	132.0	154.0	143.0
85°	22.0	22.0	22.0	36.7	55.0	77.0	73.3	58.7	33.0	3.7	7.3
87.5°	7.3	7.3	7.3	7.3	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°	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2
2.5°	11529.6	11360.9	11346.3	11001.5	10693.5	10543.1	10422.1	10084.7	10158.1	9963.7	9960.1
5°	10972.2	10627.5	10070.1	9611.7	9153.3	9061.6	8661.9	8313.5	8324.5	8075.1	8119.1
7.5°	9971.1	9732.7	9054.3	8335.5	7726.7	7294.0	6916.3	6688.9	6399.2	6300.2	6248.9
10°	9336.6	9043.3	8280.5	7378.4	6696.3	6465.2	6102.2	5900.5	5603.4	5456.8	5354.1
12.5°	9057.9	8628.9	7675.4	6758.6	6303.9	6065.5	5757.5	5390.8	5038.7	4903.0	4716.0
15°	9087.3	8573.9	7499.4	6509.2	5962.8	5500.8	5225.7	4818.7	4459.3	4220.9	4085.2
17.5°	9531.0	8907.6	7580.1	6318.5	5533.8	4954.4	4415.3	3975.2	3689.2	3509.5	3465.5
20°	10579.8	9732.7	7715.7	6010.5	5104.7	4382.3	3718.5	3260.1	3040.1	3036.4	3040.1
22.5°	11452.6	10612.8	7990.8	5827.1	4675.7	3648.8	2988.8	2842.1	2798.1	2889.7	2900.7
25°	12629.8	11603.0	8463.8	5731.8	4279.6	3109.8	2702.7	2647.7	2644.0	2761.4	2765.1
27.5°	13836.3	12468.4	8746.2	5453.1	3876.2	2831.1	2530.4	2519.4	2578.0	2702.7	2691.7
30°	14657.7	13194.5	9256.0	5119.4	3399.5	2585.4	2460.7	2475.3	2556.0	2651.4	2666.0
32.5°	15614.8	13909.6	9388.0	4936.0	3106.1	2380.0	2292.0	2325.0	2427.7	2578.0	2658.7
35°	16711.3	14415.7	9589.7	4686.7	2996.1	2222.3	2178.3	2215.0	2339.7	2438.7	2526.7
37.5°	17521.8	15310.5	9626.3	4492.3	2875.1	2134.3	2064.6	2185.6	2259.0	2398.3	2442.3
40°	18123.2	15959.6	9721.7	4371.3	2779.7	2020.6	2020.6	2101.3	2200.3	2328.7	2416.7
42.5°	18508.3	16432.6	9791.4	4261.3	2596.4	1987.6	1969.3	2050.0	2182.0	2306.7	2347.0
44°	18743.0	16634.3	9721.7	4158.6	2545.0	1947.3	1947.3	2016.9	2119.6	2266.3	2314.0
45°	18801.6	16887.4	9567.7	4154.9	2482.7	1899.6	1892.3	2024.3	2094.0	2273.7	2303.0
47.5°	19029.0	17199.1	9586.0	4037.6	2332.3	1785.9	1914.3	1972.9	2035.3	2193.0	2292.0
50°	19021.7	17393.4	9545.7	3865.2	2222.3	1657.6	1870.3	1936.3	1998.6	2160.0	2200.3
52.5°	19073.0	18119.5	9916.1	3590.2	2024.3	1492.5	1723.6	1870.3	1947.3	2083.0	2167.3
55°	19047.3	18533.9	10282.8	3384.8	1745.6	1393.5	1598.9	1771.2	1881.3	2024.3	2064.6
57.5°	17397.1	16381.3	9516.3	2999.8	1444.9	1276.2	1422.9	1668.6	1807.9	1954.6	2005.9
60°	14214.0	12626.1	7847.8	2207.6	1188.2	1173.5	1323.9	1635.6	1694.2	1822.6	1910.6
62.5°	13135.8	11074.9	6223.2	1686.9	1015.8	1074.5	1221.2	1477.9	1569.6	1727.2	1807.9
65°	10279.1	7356.4	3854.2	1140.5	894.8	964.5	1103.8	1294.5	1444.9	1591.6	1686.9
67.5°	6087.5	4019.2	1906.9	799.4	781.1	854.5	997.5	1140.5	1312.9	1474.2	1521.9
70°	3315.1	1976.6	814.1	608.8	663.8	729.8	869.1	968.1	1133.2	1257.8	1338.5
72.5°	1063.5	601.4	407.1	451.1	506.1	583.1	667.4	788.4	905.8	979.1	1045.1
75°	256.7	253.0	289.7	315.4	366.7	425.4	495.1	557.4	649.1	718.8	777.4
77.5°	179.7	194.4	223.7	260.4	278.7	300.7	344.7	392.4	432.7	484.1	520.7
80°	139.4	150.4	172.4	190.7	209.0	227.4	249.4	267.7	293.4	326.4	344.7
82.5°	132.0	139.4	161.4	172.4	165.0	161.4	176.0	183.4	187.0	198.0	209.0
85°	11.0	0.0	7.3	25.7	62.3	91.7	99.0	99.0	95.3	102.7	102.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	14.7	11.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2
2.5°	9916.1	9791.4	9839.0	9897.7	9813.4	9619.0	9670.4	9648.3	9846.4	9831.7	10029.7
5°	8313.5	8119.1	8141.1	8427.2	8335.5	8434.5	8236.5	8210.8	8247.5	8265.8	8298.8
7.5°	6362.6	6336.9	6556.9	6799.0	6912.6	6795.3	6600.9	6556.9	6516.6	6435.9	6619.3
10°	5192.7	5200.1	5185.4	5368.8	5497.1	5471.4	5354.1	5339.4	5262.4	5233.1	5335.7
12.5°	4635.3	4536.3	4488.6	4430.0	4529.0	4595.0	4543.6	4507.0	4510.6	4547.3	4562.0
15°	4096.2	4033.9	3931.2	3865.2	3912.9	3879.9	3861.5	3934.9	3916.5	3909.2	3997.2
17.5°	3491.2	3542.5	3535.2	3461.8	3524.2	3498.5	3494.8	3443.5	3373.8	3322.5	3351.8
20°	3091.4	3186.8	3260.1	3263.8	3296.8	3293.1	3238.1	3080.4	3029.1	3018.1	3025.4
22.5°	2948.4	2999.8	3087.8	3212.4	3212.4	3153.8	3087.8	2904.4	2856.7	2805.4	2783.4
25°	2834.7	2933.7	3047.4	3062.1	3120.8	3065.8	2959.4	2867.7	2768.7	2699.0	2699.0
27.5°	2776.1	2886.1	2970.4	2996.1	3076.8	3032.8	2922.7	2805.4	2688.0	2684.4	2622.0
30°	2750.4	2853.1	2908.1	2970.4	3007.1	2937.4	2904.4	2779.7	2662.4	2633.0	2530.4
32.5°	2673.4	2820.1	2922.7	2908.1	2937.4	2908.1	2860.4	2757.7	2625.7	2559.7	2548.7
35°	2585.4	2732.0	2842.1	2919.1	2937.4	2875.1	2845.7	2706.4	2526.7	2493.7	2380.0
37.5°	2537.7	2625.7	2761.4	2886.1	2911.7	2878.7	2779.7	2636.7	2457.0	2420.3	2321.3
40°	2479.0	2592.7	2699.0	2801.7	2878.7	2798.1	2684.4	2545.0	2464.3	2354.3	2325.0
42.5°	2435.0	2563.4	2651.4	2765.1	2853.1	2746.7	2614.7	2519.4	2405.7	2332.3	2248.0
44°	2420.3	2537.7	2596.4	2735.7	2809.1	2728.4	2618.4	2519.4	2387.3	2321.3	2248.0
45°	2369.0	2530.4	2592.7	2717.4	2779.7	2713.7	2574.4	2475.3	2380.0	2299.3	2222.3
47.5°	2317.7	2427.7	2534.0	2633.0	2677.0	2655.0	2537.7	2416.7	2303.0	2255.3	2182.0
50°	2303.0	2413.0	2512.0	2603.7	2655.0	2611.0	2504.7	2387.3	2255.3	2178.3	2116.0
52.5°	2229.6	2365.3	2475.3	2504.7	2570.7	2545.0	2464.3	2336.0	2211.3	2145.3	2094.0
55°	2123.3	2266.3	2416.7	2453.3	2548.7	2508.4	2387.3	2266.3	2160.0	2061.0	1994.9
57.5°	2083.0	2222.3	2369.0	2416.7	2475.3	2409.3	2380.0	2251.6	2083.0	2031.6	1928.9
60°	1980.3	2156.3	2277.3	2387.3	2391.0	2372.7	2321.3	2174.6	2035.3	1939.9	1866.6
62.5°	1899.6	2064.6	2160.0	2262.6	2325.0	2273.7	2222.3	2086.6	1936.3	1829.9	1745.6
65°	1782.2	1932.6	2013.3	2075.6	2145.3	2138.0	2050.0	1950.9	1793.3	1708.9	1628.2
67.5°	1602.6	1734.6	1844.6	1903.3	1947.3	1936.3	1870.3	1800.6	1639.2	1554.9	1496.2
70°	1386.2	1521.9	1591.6	1624.6	1668.6	1690.6	1639.2	1606.2	1463.2	1353.2	1298.2
72.5°	1114.8	1202.8	1305.5	1334.9	1353.2	1367.9	1367.9	1338.5	1191.8	1147.8	1052.5
75°	821.4	891.1	968.1	968.1	1001.1	1004.8	1012.1	993.8	883.8	825.1	803.1
77.5°	557.4	608.8	671.1	696.8	718.8	715.1	711.4	660.1	601.4	575.7	553.7
80°	363.1	414.4	443.7	476.7	498.7	495.1	502.4	465.7	440.1	396.1	403.4
82.5°	216.4	256.7	286.0	326.4	326.4	337.4	337.4	326.4	300.7	278.7	278.7
85°	102.7	135.7	154.0	179.7	194.4	198.0	176.0	150.4	124.7	113.7	124.7
87.5°	18.3	25.7	36.7	33.0	40.3	36.7	36.7	36.7	36.7	29.3	33.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2	11203.2
2.5°	9956.4	10139.8	10268.1	10480.8	10847.5	11140.9	11441.6	11665.3	11691.0	11757.0
5°	8419.8	8518.9	8845.2	9270.6	9571.3	10066.4	10385.5	10964.9	11181.2	11412.3
7.5°	6575.3	6736.6	7173.0	7459.0	8119.1	8738.9	9380.6	10095.7	10381.8	10414.8
10°	5544.8	5779.5	6076.5	6534.9	6894.3	7583.7	8383.2	9178.9	9498.0	9553.0
12.5°	4870.0	5170.7	5566.8	5896.8	6241.5	6843.0	7609.4	8592.2	9006.6	9256.0
15°	4220.9	4532.6	4969.0	5427.4	5731.8	6450.6	7352.7	8460.2	8999.3	9219.3
17.5°	3553.5	3843.2	4202.6	4697.7	5310.1	6116.9	7312.4	8900.2	9490.7	9747.4
20°	2981.4	3142.8	3560.8	4070.6	4837.0	5775.8	7327.0	9549.3	10414.8	10528.5
22.5°	2757.7	2794.4	2959.4	3428.8	4268.6	5427.4	7587.4	10469.8	11452.6	11826.7
25°	2585.4	2578.0	2622.0	2937.4	3854.2	5291.7	7844.1	11316.9	12604.1	13011.2
27.5°	2490.0	2416.7	2420.3	2717.4	3560.8	5071.7	8174.1	12288.7	13909.6	14089.3
30°	2442.3	2427.7	2383.7	2504.7	3241.8	4741.7	8229.2	13245.9	14679.7	14940.1
32.5°	2413.0	2270.0	2215.0	2259.0	2941.1	4382.3	8434.5	13876.6	15633.2	15519.5
35°	2266.3	2138.0	2101.3	2145.3	2728.4	4180.6	8298.8	14426.7	16348.3	16539.0
37.5°	2211.3	2097.6	2024.3	1987.6	2530.4	4011.9	8229.2	15273.8	17041.4	17499.8
40°	2160.0	2039.0	1950.9	1914.3	2376.3	3788.2	8207.1	15926.6	17840.8	18115.9
42.5°	2101.3	2024.3	1925.3	1859.3	2189.3	3564.5	7954.1	16128.3	18086.5	18383.6
44°	2083.0	1965.6	1862.9	1840.9	2116.0	3450.8	7902.8	16311.6	18299.2	18750.3
45°	2064.6	1954.6	1837.3	1807.9	2090.3	3388.5	7833.1	16355.6	18651.3	18735.6
47.5°	2013.3	1943.6	1829.9	1749.2	2035.3	3252.8	7624.1	16106.3	18291.9	18306.6
50°	1972.9	1892.3	1774.9	1617.2	1961.9	3139.1	7719.4	16014.6	17426.4	17459.4
52.5°	1928.9	1807.9	1741.9	1470.5	1840.9	3043.8	7921.1	16429.0	17525.4	17518.1
55°	1877.6	1745.6	1584.2	1345.9	1639.2	2922.7	8408.8	17246.7	18442.2	18566.9
57.5°	1796.9	1683.2	1452.2	1235.8	1408.2	2691.7	8251.2	15680.9	16968.0	16990.0
60°	1690.6	1584.2	1316.5	1151.5	1155.2	2123.3	7378.4	12219.0	13388.9	13707.9
62.5°	1587.9	1529.2	1202.8	1030.5	982.8	1690.6	6237.9	10154.4	11492.9	11757.0
65°	1466.9	1323.9	1103.8	938.8	843.5	1184.5	4419.0	7587.4	8966.3	9322.0
67.5°	1312.9	1158.8	971.8	825.1	722.4	792.1	2281.0	4312.6	5709.8	5918.8
70°	1147.8	1004.8	817.8	696.8	583.1	546.4	1004.8	2057.3	3120.8	3337.1
72.5°	942.5	810.4	652.8	550.1	436.4	377.7	337.4	550.1	1107.5	1287.2
75°	682.1	590.4	491.4	392.4	308.0	242.0	198.0	165.0	183.4	198.0
77.5°	502.4	429.1	363.1	278.7	216.4	172.4	135.7	102.7	99.0	95.3
80°	392.4	348.4	289.7	223.7	168.7	128.4	95.3	69.7	62.3	62.3
82.5°	308.0	286.0	238.4	183.4	139.4	102.7	69.7	47.7	40.3	40.3
85°	117.3	117.3	172.4	150.4	106.3	73.3	47.7	25.7	22.0	22.0
87.5°	29.3	29.3	29.3	29.3	25.7	22.0	22.0	11.0	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)