

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: P532994

Luminaire Tested: **GALN-SA8B-827-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532994
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-SA8B-827-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 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: 25156 lumens
Efficiency: N/A
Efficacy: 77.4 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

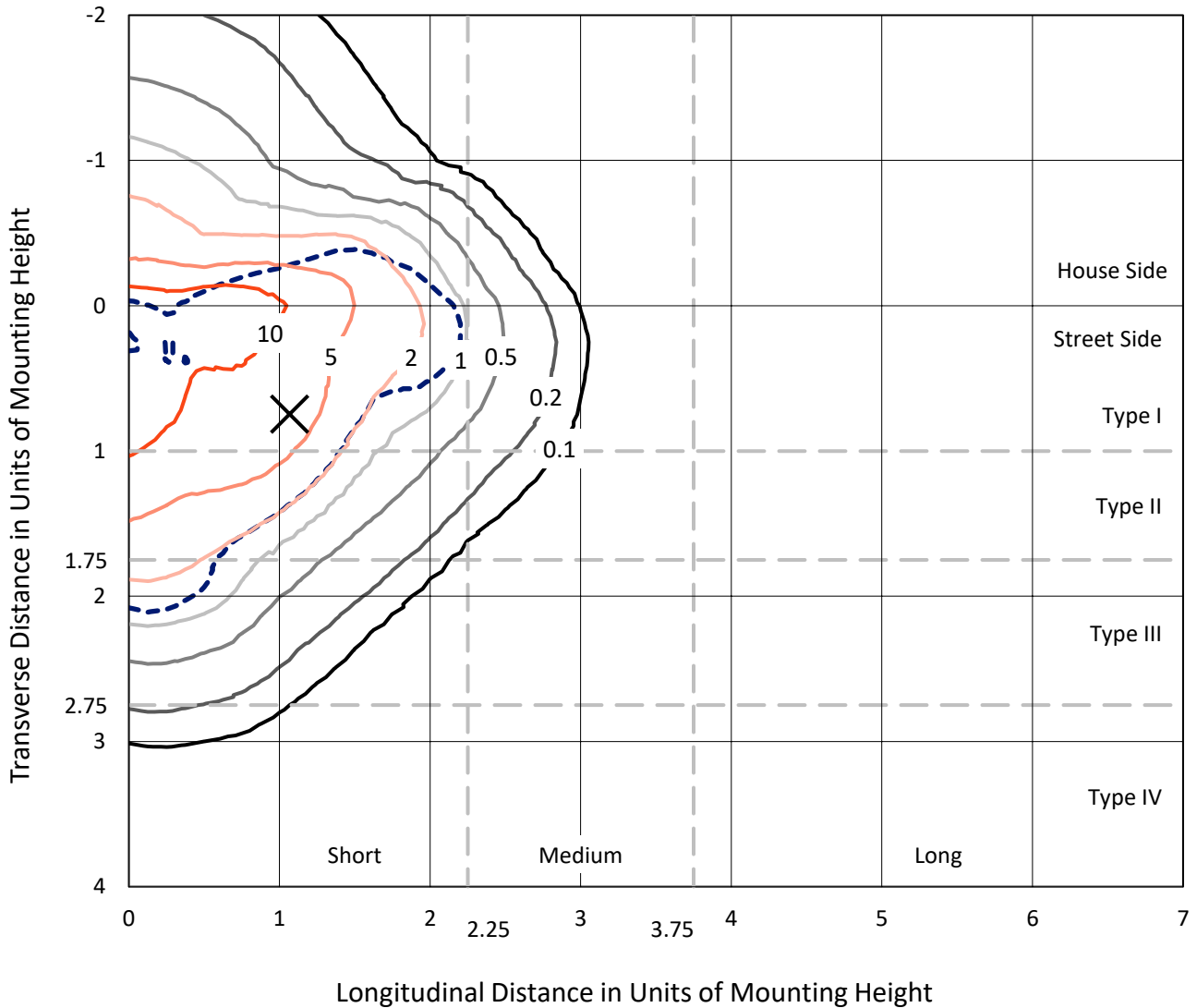
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

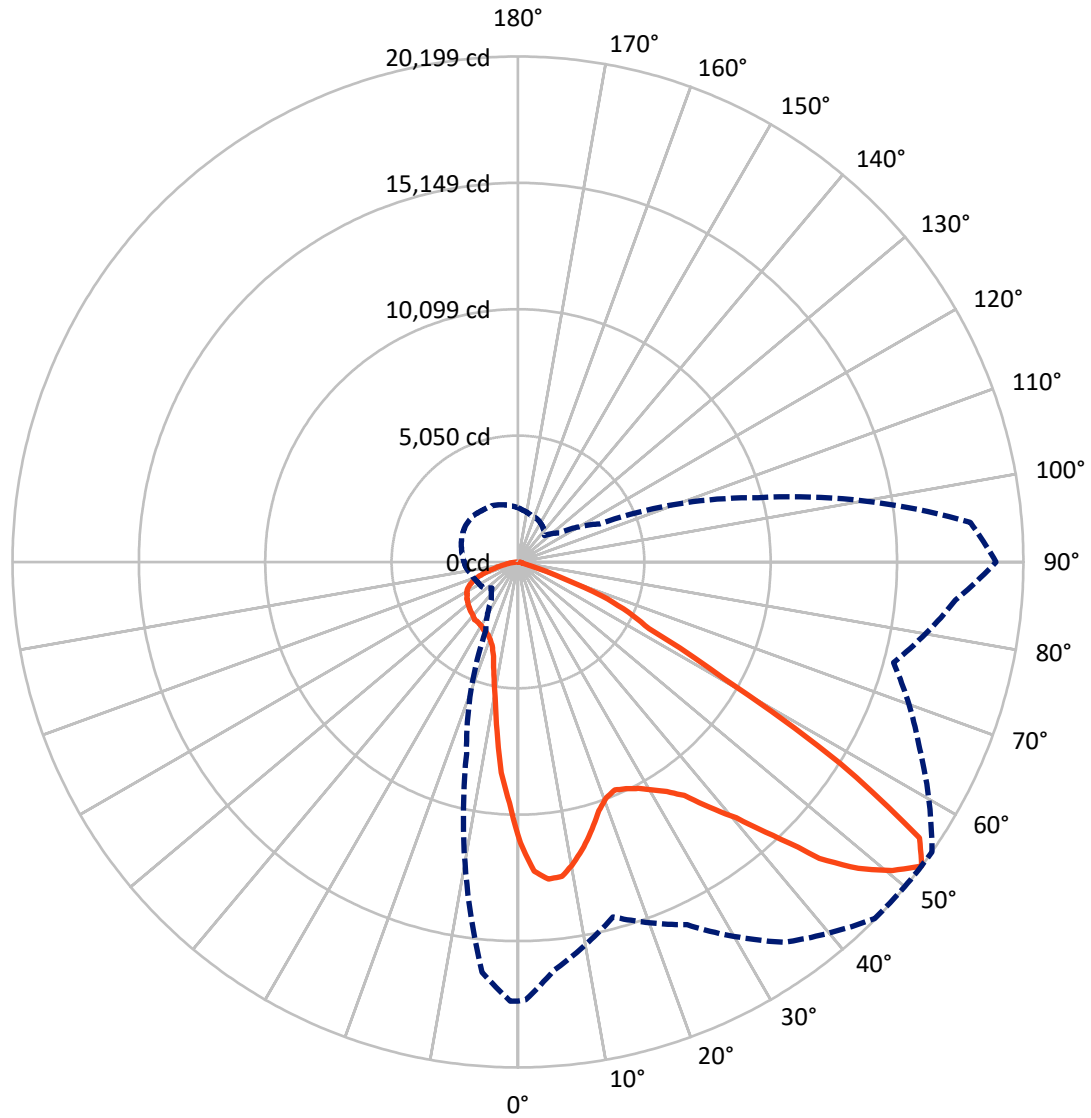
✕ Max cd
 - - - 1/2 Max cd



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	7673.9	0.0	7673.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	17482.1	0.0	17482.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	25156.0	0.0	25156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	857.3	3.4
10°-20°	1848.5	7.3
20°-30°	2802.9	11.1
30°-40°	4049.7	16.1
40°-50°	5411.5	21.5
50°-60°	6040.4	24.0
60°-70°	3313.5	13.2
70°-80°	716.4	2.8
80°-90°	115.9	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°	25156.0	100.0
0°-180°	25156.0	100.0

Coefficient of Utilization



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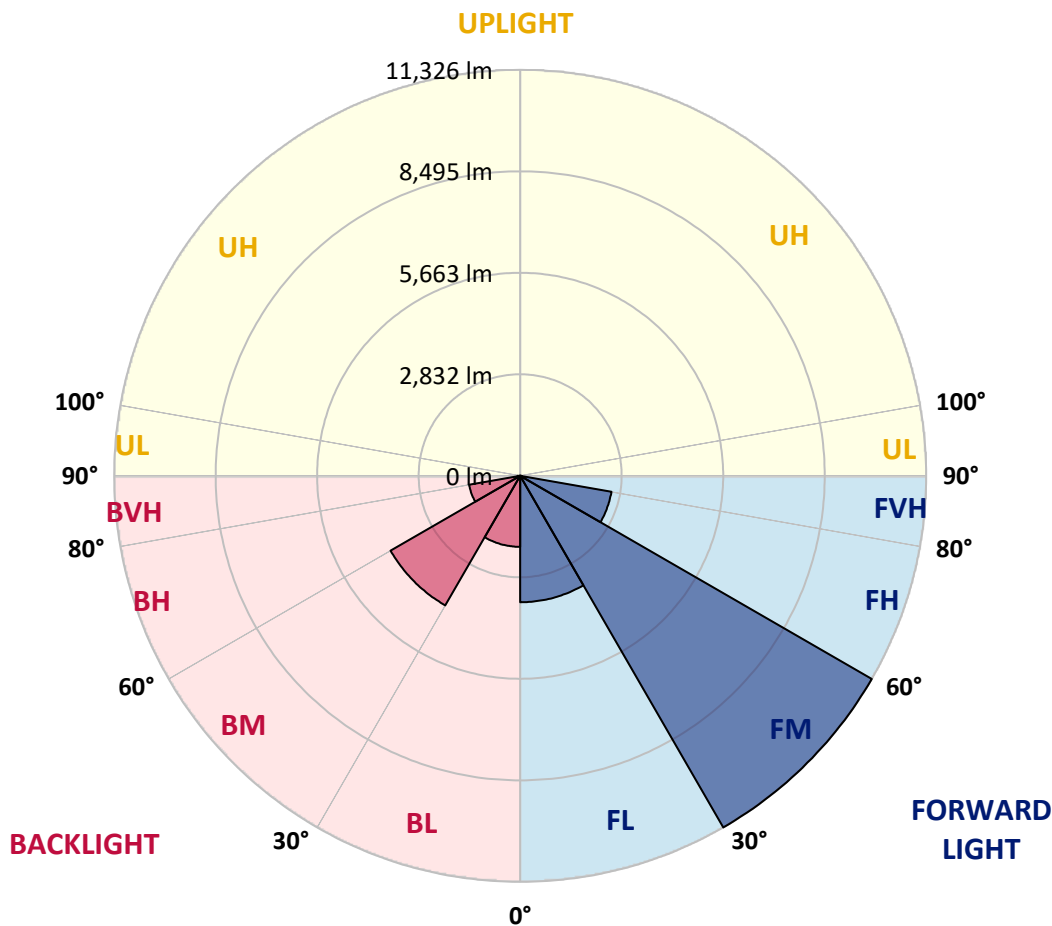
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3527.3	14.0			
FM (30°-60°)	11326.4	45.0			
FH (60°-80°)	2585.4	10.3			G2/5000
FVH (80°-90°)	42.9	0.2			G1/100
BL (0°-30°)	1981.3	7.9	B3/2500		
BM (30°-60°)	4175.3	16.6	B3/5000		
BH (60°-80°)	1444.4	5.7	B3/2500		G3/2500
BVH (80°-90°)	73.0	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°	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5
2.5°	11776.2	11710.1	11768.8	12048.0	12209.6	12319.8	12389.6	12378.6	12114.1	11857.0	11857.0
5°	11430.9	11346.4	11467.6	12099.4	12734.9	12790.0	12881.8	12731.2	12341.8	11871.7	11284.0
7.5°	10431.8	10494.2	10696.3	11526.4	12352.9	12767.9	12878.1	12687.1	12055.3	11177.4	10314.2
10°	9568.6	9715.5	10182.0	11078.3	11838.6	12378.6	12499.8	12231.6	11732.1	10655.9	9884.5
12.5°	9271.1	9179.2	9697.2	10593.4	11320.7	11610.9	11666.0	11684.3	11346.4	10391.4	9451.1
15°	9234.3	9293.1	9697.2	10376.7	10824.8	10839.5	10931.3	11074.6	11118.7	10571.4	9653.1
17.5°	9763.3	9693.5	10108.6	10648.5	10435.5	10222.4	10244.5	10450.2	10813.8	10725.6	10288.5
20°	10545.7	10703.6	11030.5	10975.4	10402.4	9862.5	9866.1	10060.8	10777.1	11364.8	11173.8
22.5°	11846.0	12000.2	12242.7	11577.8	10402.4	9755.9	9631.0	9895.5	11012.2	12125.1	12172.9
25°	13032.4	13315.2	13381.3	12599.0	10924.0	9855.1	9774.3	10035.1	11247.2	12867.1	13318.9
27.5°	14112.3	14215.2	14505.3	13256.5	11214.2	9921.2	9913.9	10248.1	11544.8	13238.1	14343.7
30°	14964.5	14953.5	15118.8	13671.5	11677.0	10292.2	9935.9	10567.7	11934.1	13851.5	15291.4
32.5°	15544.8	15669.7	16018.7	14248.2	11871.7	10644.8	10365.7	10942.4	12408.0	14141.7	15959.9
35°	16566.0	16782.7	16341.9	14567.8	12488.8	10993.8	10666.9	11452.9	12643.0	14457.6	16779.0
37.5°	17528.3	17363.1	16914.9	14740.4	12889.1	11640.3	11335.4	12441.0	13374.0	15144.5	17322.7
40°	18145.4	18141.8	17344.7	14880.0	13172.0	12628.3	12610.0	13443.8	14270.2	15577.9	17932.4
42.5°	18413.6	18670.7	17521.0	14865.3	13767.0	13825.8	14196.8	14942.4	14905.7	15666.1	17917.7
44°	18780.9	18935.2	17825.9	14898.4	14163.7	14633.9	15508.1	15981.9	15460.4	15618.3	17899.3
45°	18766.2	18777.2	17392.4	14942.4	14501.7	15309.8	16092.1	16892.9	15948.9	15515.5	18141.8
47.5°	18336.4	18211.6	17025.1	14615.5	15555.9	17094.9	17818.5	18303.4	16551.3	15295.1	17840.6
50°	17487.9	17344.7	16132.5	14475.9	15776.2	18204.2	19203.3	19379.6	17098.6	15078.3	17543.0
52.5°	17546.7	17506.3	16386.0	14685.3	15996.6	18553.2	20154.7	20198.7	17719.4	15533.8	17546.7
55°	18597.2	18457.7	17113.3	14946.1	15835.0	18145.4	19548.6	19471.5	17510.0	15258.3	17870.0
57.5°	17017.8	17109.6	16106.8	13914.0	13858.9	14751.4	15368.5	15177.5	14611.9	13770.7	16624.7
60°	13730.3	13991.1	14086.6	11636.6	10457.5	9998.4	9814.7	9476.8	9572.3	11313.4	14604.5
62.5°	11776.2	11761.5	12360.2	10549.3	6850.5	5891.8	5803.6	5880.7	6982.7	11137.0	14303.3
65°	9337.2	9587.0	9770.6	8940.5	5421.6	4374.7	4371.1	4859.6	6042.4	9307.8	11548.4
67.5°	5928.5	6255.4	6483.1	5719.1	3625.4	3114.8	3030.4	3618.1	4187.4	6104.8	6953.3
70°	3342.6	3496.9	3599.7	3298.5	2306.7	1616.2	1520.7	1660.3	2530.8	3952.3	4121.3
72.5°	1289.3	1359.1	1498.7	1509.7	870.5	521.6	422.4	506.9	1065.2	1564.8	1491.3
75°	198.4	213.0	301.2	360.0	249.8	191.0	202.0	209.4	297.5	404.0	337.9
77.5°	95.5	95.5	91.8	106.5	124.9	135.9	146.9	161.6	176.3	194.7	187.3
80°	62.4	62.4	62.4	73.5	91.8	110.2	124.9	132.2	139.6	154.3	146.9
82.5°	40.4	40.4	40.4	55.1	73.5	91.8	99.2	117.5	132.2	154.3	143.3
85°	22.0	22.0	22.0	36.7	55.1	77.1	73.5	58.8	33.1	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°	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5
2.5°	11548.4	11379.5	11364.8	11019.5	10711.0	10560.4	10439.1	10101.2	10174.7	9980.0	9976.3
5°	10990.1	10644.8	10086.5	9627.4	9168.2	9076.4	8676.0	8327.1	8338.1	8088.3	8132.4
7.5°	9987.3	9748.6	9069.0	8349.1	7739.4	7305.9	6927.6	6699.9	6409.7	6310.5	6259.1
10°	9351.9	9058.0	8294.0	7390.4	6707.2	6475.8	6112.1	5910.1	5612.6	5465.7	5362.8
12.5°	9072.7	8643.0	7687.9	6769.6	6314.2	6075.4	5766.9	5399.6	5046.9	4911.0	4723.7
15°	9102.1	8587.9	7511.6	6519.9	5972.6	5509.7	5234.3	4826.5	4466.6	4227.8	4091.9
17.5°	9546.6	8922.1	7592.4	6328.9	5542.8	4962.4	4422.5	3981.7	3695.2	3515.2	3471.1
20°	10597.1	9748.6	7728.3	6020.3	5113.0	4389.4	3724.6	3265.4	3045.1	3041.4	3045.1
22.5°	11471.3	10630.1	8003.8	5836.7	4683.3	3654.8	2993.6	2846.7	2802.6	2894.5	2905.5
25°	12650.4	11621.9	8477.7	5741.2	4286.6	3114.8	2707.1	2652.0	2648.4	2765.9	2769.6
27.5°	13858.9	12488.8	8760.5	5462.0	3882.5	2835.7	2534.5	2523.5	2582.2	2707.1	2696.1
30°	14681.6	13216.1	9271.1	5127.7	3405.0	2589.6	2464.7	2479.4	2560.2	2655.7	2670.4
32.5°	15640.3	13932.3	9403.3	4944.1	3111.2	2383.9	2295.7	2328.8	2431.6	2582.2	2663.0
35°	16738.6	14439.2	9605.3	4694.3	3001.0	2225.9	2181.9	2218.6	2343.5	2442.7	2530.8
37.5°	17550.4	15335.5	9642.1	4499.6	2879.8	2137.8	2068.0	2189.2	2262.7	2402.3	2446.3
40°	18152.8	15985.6	9737.6	4378.4	2784.3	2023.9	2023.9	2104.7	2203.9	2332.5	2420.6
42.5°	18538.5	16459.5	9807.4	4268.2	2600.6	1990.9	1972.5	2053.3	2185.5	2310.4	2350.8
44°	18773.6	16661.5	9737.6	4165.4	2549.2	1950.5	1950.5	2020.2	2123.1	2270.0	2317.8
45°	18832.3	16914.9	9583.3	4161.7	2486.7	1902.7	1895.4	2027.6	2097.4	2277.4	2306.7
47.5°	19060.1	17227.1	9601.7	4044.2	2336.1	1788.8	1917.4	1976.2	2038.6	2196.6	2295.7
50°	19052.7	17421.8	9561.3	3871.5	2225.9	1660.3	1873.3	1939.4	2001.9	2163.5	2203.9
52.5°	19104.1	18149.1	9932.2	3596.0	2027.6	1495.0	1726.4	1873.3	1950.5	2086.4	2170.8
55°	19078.4	18564.2	10299.6	3390.3	1748.4	1395.8	1601.5	1774.1	1884.3	2027.6	2068.0
57.5°	17425.5	16408.0	9531.9	3004.6	1447.2	1278.3	1425.2	1671.3	1810.9	1957.8	2009.2
60°	14237.2	12646.7	7860.6	2211.2	1190.1	1175.4	1326.0	1638.2	1697.0	1825.6	1913.7
62.5°	13157.3	11093.0	6233.4	1689.7	1017.5	1076.2	1223.2	1480.3	1572.1	1730.1	1810.9
65°	10295.9	7368.4	3860.5	1142.4	896.3	966.0	1105.6	1296.6	1447.2	1594.2	1689.7
67.5°	6097.5	4025.8	1910.0	800.8	782.4	855.8	999.1	1142.4	1315.0	1476.6	1524.4
70°	3320.5	1979.8	815.4	609.7	664.8	731.0	870.5	969.7	1135.0	1259.9	1340.7
72.5°	1065.2	602.4	407.7	451.8	506.9	584.0	668.5	789.7	907.3	980.7	1046.9
75°	257.1	253.4	290.2	315.9	367.3	426.1	495.9	558.3	650.2	719.9	778.7
77.5°	180.0	194.7	224.1	260.8	279.2	301.2	345.3	393.0	433.4	484.9	521.6
80°	139.6	150.6	172.6	191.0	209.4	227.7	249.8	268.1	293.9	326.9	345.3
82.5°	132.2	139.6	161.6	172.6	165.3	161.6	176.3	183.7	187.3	198.4	209.4
85°	11.0	0.0	7.3	25.7	62.4	91.8	99.2	99.2	95.5	102.8	102.8
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°	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5
2.5°	9932.2	9807.4	9855.1	9913.9	9829.4	9634.7	9686.1	9664.1	9862.5	9847.8	10046.1
5°	8327.1	8132.4	8154.4	8440.9	8349.1	8448.3	8249.9	8224.2	8261.0	8279.3	8312.4
7.5°	6372.9	6347.2	6567.6	6810.0	6923.9	6806.4	6611.7	6567.6	6527.2	6446.4	6630.1
10°	5201.2	5208.5	5193.9	5377.5	5506.1	5480.4	5362.8	5348.1	5271.0	5241.6	5344.5
12.5°	4642.9	4543.7	4496.0	4437.2	4536.4	4602.5	4551.1	4514.3	4518.0	4554.7	4569.4
15°	4102.9	4040.5	3937.6	3871.5	3919.3	3886.2	3867.8	3941.3	3922.9	3915.6	4003.8
17.5°	3496.9	3548.3	3540.9	3467.5	3529.9	3504.2	3500.5	3449.1	3379.3	3327.9	3357.3
20°	3096.5	3192.0	3265.4	3269.1	3302.2	3298.5	3243.4	3085.5	3034.0	3023.0	3030.4
22.5°	2953.2	3004.6	3092.8	3217.7	3217.7	3158.9	3092.8	2909.1	2861.4	2810.0	2787.9
25°	2839.4	2938.5	3052.4	3067.1	3125.9	3070.8	2964.2	2872.4	2773.2	2703.5	2703.5
27.5°	2780.6	2890.8	2975.3	3001.0	3081.8	3037.7	2927.5	2810.0	2692.4	2688.8	2626.3
30°	2754.9	2857.7	2912.8	2975.3	3012.0	2942.2	2909.1	2784.3	2666.7	2637.3	2534.5
32.5°	2677.7	2824.7	2927.5	2912.8	2942.2	2912.8	2865.1	2762.2	2630.0	2563.9	2552.9
35°	2589.6	2736.5	2846.7	2923.8	2942.2	2879.8	2850.4	2710.8	2530.8	2497.8	2383.9
37.5°	2541.8	2630.0	2765.9	2890.8	2916.5	2883.4	2784.3	2641.0	2461.0	2424.3	2325.1
40°	2483.1	2596.9	2703.5	2806.3	2883.4	2802.6	2688.8	2549.2	2468.4	2358.2	2328.8
42.5°	2439.0	2567.5	2655.7	2769.6	2857.7	2751.2	2619.0	2523.5	2409.6	2336.1	2251.7
44°	2424.3	2541.8	2600.6	2740.2	2813.6	2732.8	2622.6	2523.5	2391.2	2325.1	2251.7
45°	2372.9	2534.5	2596.9	2721.8	2784.3	2718.1	2578.6	2479.4	2383.9	2303.1	2225.9
47.5°	2321.4	2431.6	2538.2	2637.3	2681.4	2659.4	2541.8	2420.6	2306.7	2259.0	2185.5
50°	2306.7	2416.9	2516.1	2607.9	2659.4	2615.3	2508.8	2391.2	2259.0	2181.9	2119.4
52.5°	2233.3	2369.2	2479.4	2508.8	2574.9	2549.2	2468.4	2339.8	2214.9	2148.8	2097.4
55°	2126.8	2270.0	2420.6	2457.3	2552.9	2512.4	2391.2	2270.0	2163.5	2064.3	1998.2
57.5°	2086.4	2225.9	2372.9	2420.6	2479.4	2413.3	2383.9	2255.3	2086.4	2034.9	1932.1
60°	1983.5	2159.8	2281.0	2391.2	2394.9	2376.5	2325.1	2178.2	2038.6	1943.1	1869.6
62.5°	1902.7	2068.0	2163.5	2266.3	2328.8	2277.4	2225.9	2090.0	1939.4	1832.9	1748.4
65°	1785.2	1935.8	2016.6	2079.0	2148.8	2141.5	2053.3	1954.1	1796.2	1711.7	1630.9
67.5°	1605.2	1737.4	1847.6	1906.4	1950.5	1939.4	1873.3	1803.5	1641.9	1557.4	1498.7
70°	1388.5	1524.4	1594.2	1627.2	1671.3	1693.3	1641.9	1608.8	1465.6	1355.4	1300.3
72.5°	1116.6	1204.8	1307.6	1337.0	1355.4	1370.1	1370.1	1340.7	1193.8	1149.7	1054.2
75°	822.8	892.6	969.7	969.7	1002.8	1006.4	1013.8	995.4	885.2	826.5	804.4
77.5°	558.3	609.7	672.2	697.9	719.9	716.3	712.6	661.2	602.4	576.7	554.6
80°	363.6	415.1	444.5	477.5	499.6	495.9	503.2	466.5	440.8	396.7	404.0
82.5°	216.7	257.1	286.5	326.9	326.9	337.9	337.9	326.9	301.2	279.2	279.2
85°	102.8	135.9	154.3	180.0	194.7	198.4	176.3	150.6	124.9	113.9	124.9
87.5°	18.4	25.7	36.7	33.1	40.4	36.7	36.7	36.7	36.7	29.4	33.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5	11221.5
2.5°	9972.6	10156.3	10284.9	10497.9	10865.2	11159.1	11460.3	11684.3	11710.1	11776.2
5°	8433.6	8532.8	8859.7	9285.8	9587.0	10082.8	10402.4	10982.8	11199.5	11430.9
7.5°	6586.0	6747.6	7184.7	7471.2	8132.4	8753.2	9396.0	10112.2	10398.7	10431.8
10°	5553.8	5788.9	6086.4	6545.6	6905.6	7596.1	8396.9	9193.9	9513.5	9568.6
12.5°	4878.0	5179.2	5575.9	5906.5	6251.7	6854.1	7621.8	8606.2	9021.3	9271.1
15°	4227.8	4540.0	4977.1	5436.3	5741.2	6461.1	7364.7	8474.0	9013.9	9234.3
17.5°	3559.3	3849.5	4209.4	4705.3	5318.7	6126.8	7324.3	8914.8	9506.2	9763.3
20°	2986.3	3147.9	3566.6	4077.2	4844.9	5785.2	7339.0	9564.9	10431.8	10545.7
22.5°	2762.2	2799.0	2964.2	3434.4	4275.6	5436.3	7599.8	10486.9	11471.3	11846.0
25°	2589.6	2582.2	2626.3	2942.2	3860.5	5300.4	7856.9	11335.4	12624.7	13032.4
27.5°	2494.1	2420.6	2424.3	2721.8	3566.6	5080.0	8187.5	12308.8	13932.3	14112.3
30°	2446.3	2431.6	2387.6	2508.8	3247.1	4749.4	8242.6	13267.5	14703.7	14964.5
32.5°	2416.9	2273.7	2218.6	2262.7	2945.9	4389.4	8448.3	13899.3	15658.7	15544.8
35°	2270.0	2141.5	2104.7	2148.8	2732.8	4187.4	8312.4	14450.2	16375.0	16566.0
37.5°	2214.9	2101.1	2027.6	1990.9	2534.5	4018.4	8242.6	15298.7	17069.2	17528.3
40°	2163.5	2042.3	1954.1	1917.4	2380.2	3794.4	8220.5	15952.6	17870.0	18145.4
42.5°	2104.7	2027.6	1928.4	1862.3	2192.9	3570.3	7967.1	16154.6	18116.1	18413.6
44°	2086.4	1968.8	1866.0	1843.9	2119.4	3456.4	7915.7	16338.2	18329.1	18780.9
45°	2068.0	1957.8	1840.3	1810.9	2093.7	3394.0	7845.9	16382.3	18681.7	18766.2
47.5°	2016.6	1946.8	1832.9	1752.1	2038.6	3258.1	7636.5	16132.5	18321.8	18336.4
50°	1976.2	1895.4	1777.8	1619.9	1965.1	3144.2	7732.0	16040.7	17454.9	17487.9
52.5°	1932.1	1810.9	1744.8	1472.9	1843.9	3048.7	7934.0	16455.8	17554.1	17546.7
55°	1880.7	1748.4	1586.8	1348.1	1641.9	2927.5	8422.6	17274.9	18472.4	18597.2
57.5°	1799.9	1686.0	1454.6	1237.9	1410.5	2696.1	8264.6	15706.5	16995.7	17017.8
60°	1693.3	1586.8	1318.7	1153.4	1157.0	2126.8	7390.4	12239.0	13410.7	13730.3
62.5°	1590.5	1531.7	1204.8	1032.2	984.4	1693.3	6248.1	10171.0	11511.7	11776.2
65°	1469.3	1326.0	1105.6	940.3	844.8	1186.4	4426.2	7599.8	8980.9	9337.2
67.5°	1315.0	1160.7	973.4	826.5	723.6	793.4	2284.7	4319.6	5719.1	5928.5
70°	1149.7	1006.4	819.1	697.9	584.0	547.3	1006.4	2060.6	3125.9	3342.6
72.5°	944.0	811.8	653.8	551.0	437.1	378.3	337.9	551.0	1109.3	1289.3
75°	683.2	591.4	492.2	393.0	308.5	242.4	198.4	165.3	183.7	198.4
77.5°	503.2	429.8	363.6	279.2	216.7	172.6	135.9	102.8	99.2	95.5
80°	393.0	349.0	290.2	224.1	169.0	128.6	95.5	69.8	62.4	62.4
82.5°	308.5	286.5	238.8	183.7	139.6	102.8	69.8	47.8	40.4	40.4
85°	117.5	117.5	172.6	150.6	106.5	73.5	47.8	25.7	22.0	22.0
87.5°	29.4	29.4	29.4	29.4	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)