

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: STREETWORKS

Report Number: P649044

Luminaire Tested: **GLAN-SA7C-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-835-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28556 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 377
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

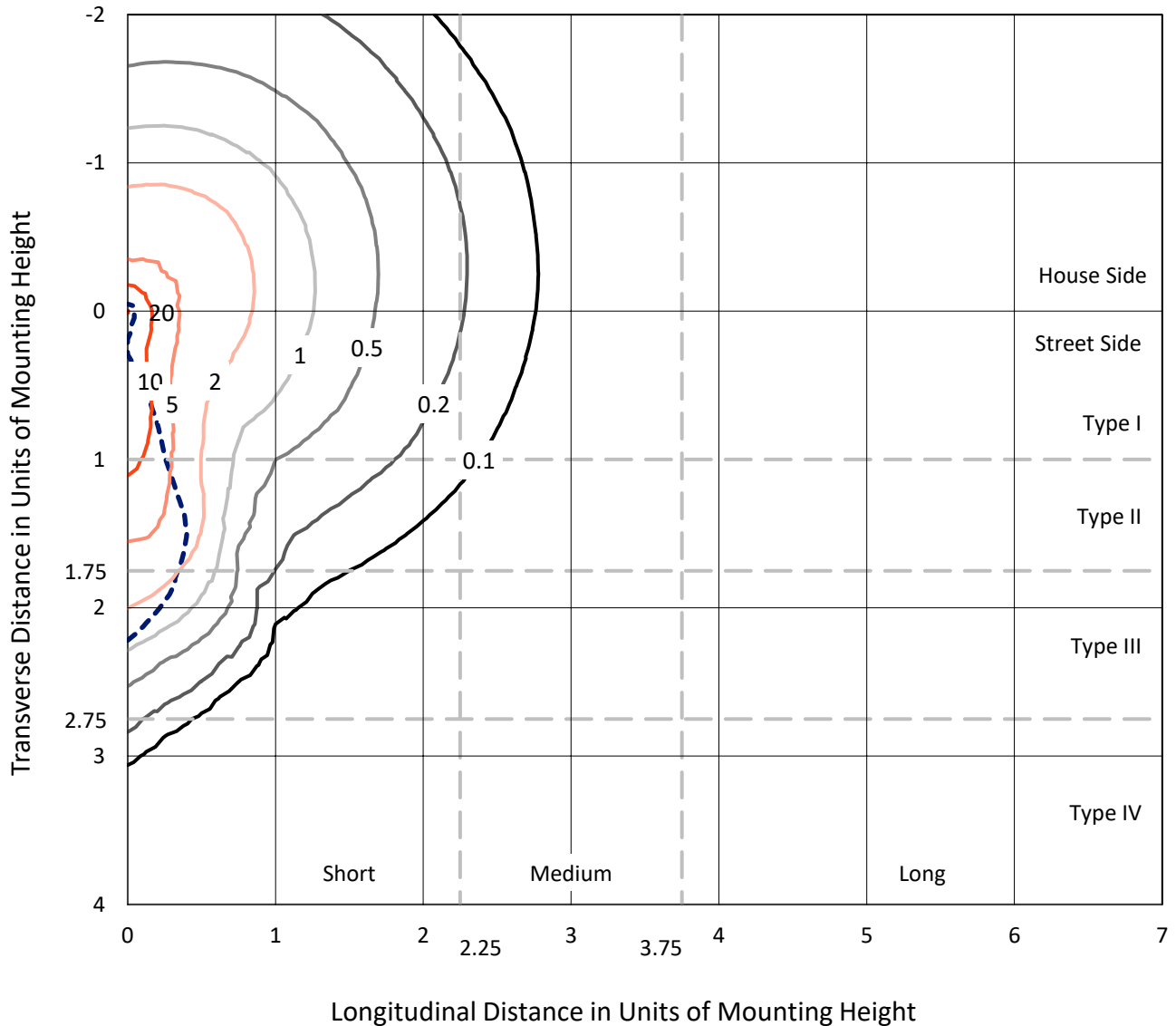




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Iso-Footcandle Lines of Horizontal Illumination

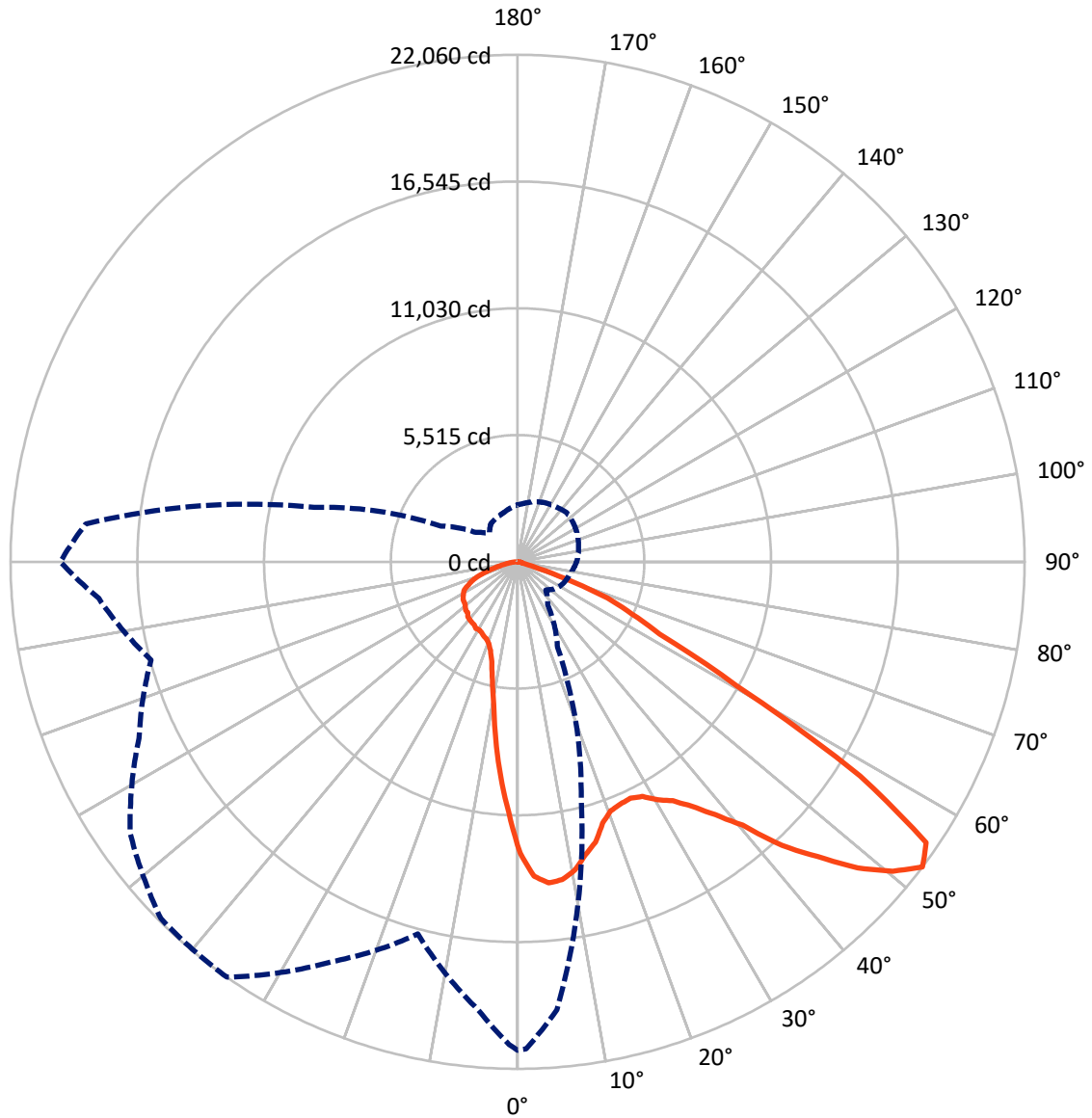
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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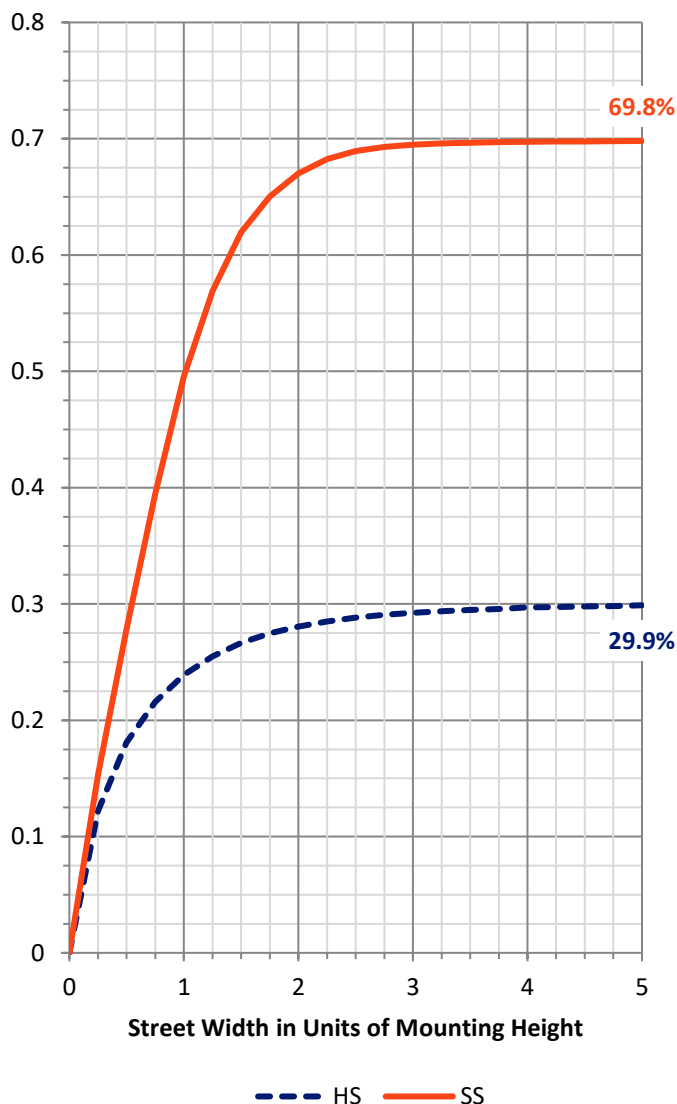
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8608.4	0.0	8608.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	19947.6	0.0	19947.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	28556.0	0.0	28556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	966.9	3.4
10°-20°	2096.0	7.3
20°-30°	3166.9	11.1
30°-40°	4576.3	16.0
40°-50°	6090.3	21.3
50°-60°	6812.1	23.9
60°-70°	3839.3	13.4
70°-80°	855.8	3.0
80°-90°	152.4	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°	28556.0	100.0
0°-180°	28556.0	100.0

Coefficient of Utilization

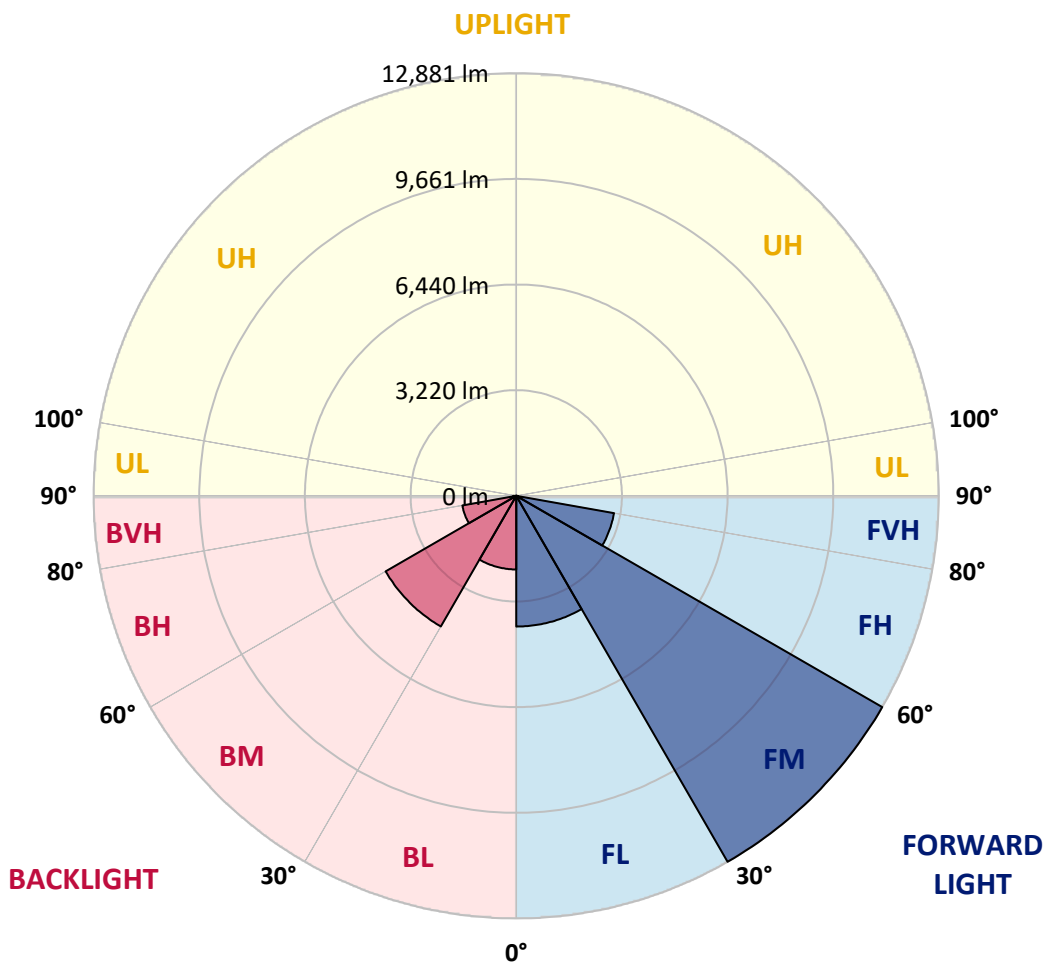


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3984.9	14.0			
FM (30°-60°)	12880.9	45.1			
FH (60°-80°)	3026.5	10.6			G2/5000
FVH (80°-90°)	55.2	0.2			G1/100
BL (0°-30°)	2244.9	7.9	B3/2500		
BM (30°-60°)	4597.8	16.1	B3/5000		
BH (60°-80°)	1668.6	5.8	B3/2500		G3/2500
BVH (80°-90°)	97.2	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3
2.5°	12884.4	13091.4	12867.9	12470.5	12189.1	11932.5	11663.4	11609.6	11257.8	11195.7	10939.1
5°	12151.8	12106.3	11833.2	11311.6	10736.3	10214.8	9829.9	9457.4	9204.9	8911.1	8890.3
7.5°	11262.0	10997.1	10839.8	10049.3	9337.4	8517.9	8166.1	7599.0	7421.0	7156.2	7019.6
10°	10467.3	10272.8	9904.4	9113.9	8120.6	7578.3	7201.7	6895.4	6688.5	6415.3	6071.8
12.5°	10074.1	9995.5	9581.6	8356.5	7619.8	7040.3	6775.4	6477.4	6125.6	5686.9	5517.2
15°	10144.5	9879.6	9565.0	8211.6	7193.4	6634.7	6212.5	5840.0	5388.8	4970.8	4726.7
17.5°	10670.1	10467.3	9838.2	8302.6	7032.0	6224.9	5459.2	4908.7	4503.1	4126.5	3956.8
20°	11704.8	11411.0	10703.2	8418.5	6684.3	5653.7	4776.3	4097.5	3663.0	3464.2	3406.3
22.5°	12851.3	12677.5	11547.5	8679.3	6407.1	5124.0	4052.0	3373.2	3211.8	3158.0	3265.6
25°	14246.1	13795.0	12859.6	9105.6	6191.8	4672.8	3439.4	3062.8	2980.0	3033.8	3158.0
27.5°	15305.7	15185.7	13778.5	9507.1	5897.9	4130.6	3095.9	2847.5	2872.4	2926.2	3042.1
30°	16563.9	15955.5	14668.3	9784.4	5633.1	3758.2	2855.8	2789.6	2814.5	2905.5	2963.4
32.5°	17321.3	17093.7	15227.0	10202.4	5326.7	3435.3	2669.6	2607.5	2644.7	2781.4	2917.9
35°	18285.7	17834.5	15918.2	10310.0	5111.6	3307.0	2537.2	2491.6	2578.6	2673.7	2826.9
37.5°	19411.5	19101.1	16874.4	10235.5	4995.7	3174.5	2425.4	2404.7	2466.8	2599.2	2777.2
40°	20077.8	19982.6	17375.2	10281.0	4813.6	3058.6	2297.1	2321.9	2450.2	2553.7	2727.5
42.5°	20719.4	20098.5	18116.0	10264.5	4697.7	2901.4	2309.5	2280.6	2379.9	2499.9	2665.5
45°	20860.1	20243.4	18289.9	10148.6	4556.9	2748.3	2214.3	2226.7	2346.7	2495.7	2603.4
47.5°	20769.0	20313.8	18612.7	10115.5	4424.5	2640.6	2073.6	2222.6	2292.9	2413.0	2566.1
50°	20707.0	20682.1	18885.8	10272.8	4246.5	2470.9	1903.9	2168.8	2239.1	2359.2	2524.7
52.5°	21253.3	21199.5	19568.7	10686.6	4105.8	2288.8	1730.0	2032.2	2201.9	2317.8	2479.2
55°	21584.4	21348.5	20740.0	11195.7	3869.9	2048.8	1610.0	1862.5	2110.8	2214.3	2379.9
57.5°	19415.6	19254.2	18761.7	10450.7	3472.5	1734.2	1461.0	1688.7	1986.7	2148.1	2317.8
60°	16154.2	15901.7	14639.3	8882.1	2562.0	1349.3	1370.0	1552.1	1953.6	2015.7	2214.3
62.5°	15231.2	14606.2	12888.6	7147.9	1966.0	1158.9	1229.2	1428.0	1779.8	1883.2	2081.8
65°	12085.6	11622.1	9221.5	5161.2	1316.1	1005.8	1121.6	1287.2	1535.5	1738.3	1920.5
67.5°	7565.9	7123.0	4921.2	2441.9	918.9	860.9	1001.6	1175.4	1378.2	1560.4	1763.2
70°	3952.7	3468.4	2272.3	881.6	633.3	703.6	836.1	1001.6	1200.3	1349.3	1506.6
72.5°	1473.4	1196.1	740.9	380.8	438.7	538.1	678.8	798.8	939.5	1121.6	1208.6
75°	227.6	194.5	190.4	231.8	298.0	389.1	484.3	604.3	728.4	844.3	902.3
77.5°	107.6	103.4	115.9	153.2	198.6	277.3	351.8	467.7	567.0	641.5	674.6
80°	70.4	66.2	74.5	103.4	149.0	206.9	281.4	360.1	451.2	513.3	505.0
82.5°	41.4	45.5	45.5	70.4	103.4	149.0	202.8	273.2	335.3	389.1	356.0
85°	24.8	20.7	20.7	41.4	70.4	120.0	169.7	115.9	120.0	120.0	136.6
87.5°	8.3	8.3	8.3	4.1	8.3	8.3	12.4	20.7	24.8	29.0	37.3
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°	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3
2.5°	10930.8	11059.2	11013.6	10852.2	10976.4	10997.1	10914.3	11199.9	11253.7	11166.8	11191.6
5°	8861.4	8894.5	8969.0	9126.3	9238.1	9370.5	9370.5	9378.8	9267.0	9548.5	9465.7
7.5°	6903.7	6924.4	7011.3	7346.6	7441.8	7694.2	7801.8	7727.3	7503.8	7408.7	7487.3
10°	5960.0	5840.0	5811.0	5852.4	6067.6	6175.3	6266.3	6241.4	6204.3	6129.7	6047.0
12.5°	5330.9	5244.0	5173.7	5074.3	5086.7	5190.2	5260.6	5202.6	5219.2	5235.7	5260.6
15°	4648.0	4585.9	4548.7	4399.7	4383.1	4453.5	4478.3	4511.4	4573.5	4577.7	4548.7
17.5°	3923.7	3869.9	3952.7	4035.4	3977.5	3981.6	4027.1	4056.1	4039.6	3965.0	3927.8
20°	3427.0	3485.0	3567.7	3646.4	3708.4	3745.7	3762.2	3716.7	3663.0	3509.8	3505.6
22.5°	3282.2	3356.6	3427.0	3547.1	3605.0	3700.1	3613.2	3509.8	3435.3	3360.8	3273.9
25°	3174.5	3236.6	3377.3	3422.9	3534.6	3613.2	3551.2	3447.7	3319.4	3211.8	3145.5
27.5°	3095.9	3166.3	3257.4	3381.5	3468.4	3513.9	3451.9	3410.4	3278.0	3149.7	3054.5
30°	3046.3	3120.7	3286.3	3389.8	3464.2	3501.5	3393.9	3344.3	3249.1	3141.4	3058.6
32.5°	3013.1	3079.4	3220.1	3352.5	3402.2	3402.2	3418.7	3360.8	3228.3	3046.3	2975.9
35°	2905.5	2996.5	3112.4	3265.6	3356.6	3410.4	3327.7	3261.4	3174.5	2988.3	2860.0
37.5°	2843.5	2905.5	3054.5	3199.3	3278.0	3336.0	3302.9	3187.0	3071.1	2917.9	2814.5
40°	2777.2	2876.5	3009.0	3145.5	3232.5	3290.4	3265.6	3129.0	2988.3	2843.5	2773.1
42.5°	2731.7	2797.9	2934.4	3087.6	3191.1	3302.9	3228.3	3058.6	2959.3	2760.6	2682.0
45°	2694.5	2802.0	2946.9	3009.0	3116.6	3232.5	3100.1	2996.5	2880.7	2735.8	2669.6
47.5°	2648.9	2748.3	2843.5	3009.0	3058.6	3112.4	3087.6	2922.1	2822.7	2665.5	2619.9
50°	2632.4	2669.6	2843.5	2934.4	3004.8	3058.6	2992.4	2868.3	2773.1	2611.6	2512.3
52.5°	2566.1	2636.5	2748.3	2868.3	2955.2	3021.4	2913.8	2835.2	2706.8	2537.2	2475.1
55°	2483.4	2524.7	2723.4	2847.5	2893.1	2938.6	2897.3	2768.9	2636.5	2462.6	2400.6
57.5°	2375.7	2470.9	2632.4	2806.2	2864.1	2889.0	2822.7	2719.3	2553.7	2400.6	2301.2
60°	2264.0	2363.3	2541.3	2682.0	2740.0	2831.0	2731.7	2669.6	2479.2	2309.5	2201.9
62.5°	2152.2	2264.0	2396.4	2574.4	2624.1	2661.3	2636.5	2549.6	2396.4	2206.0	2073.6
65°	2019.7	2102.6	2268.1	2359.2	2392.3	2479.2	2392.3	2359.2	2222.6	2040.5	1928.8
67.5°	1821.1	1891.5	2036.3	2123.3	2148.1	2185.4	2181.2	2143.9	1990.8	1866.7	1767.3
70°	1593.5	1655.6	1746.6	1850.1	1862.5	1908.0	1866.7	1858.4	1759.0	1589.3	1535.5
72.5°	1279.0	1336.9	1456.9	1502.4	1506.6	1523.1	1502.4	1473.4	1448.6	1270.7	1216.9
75°	980.9	1014.1	1072.0	1113.3	1113.3	1134.1	1121.6	1092.7	1026.4	914.7	860.9
77.5°	682.9	716.1	790.5	815.3	811.2	819.5	782.2	753.2	654.0	596.0	550.4
80°	496.7	517.3	554.6	571.2	575.3	587.7	542.2	517.3	459.4	393.2	372.5
82.5°	360.1	372.5	376.6	397.4	397.4	376.6	364.3	339.4	298.0	256.6	240.1
85°	149.0	153.2	157.3	182.1	186.3	223.5	206.9	194.5	169.7	144.9	132.5
87.5°	37.3	41.4	53.8	45.5	53.8	53.8	57.9	66.2	66.2	53.8	53.8
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°	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3
2.5°	11286.8	11319.9	11742.1	11795.9	12002.8	12213.9	12640.2	12946.5	13194.8	13356.3	13401.7
5°	9552.6	9763.7	9958.2	10272.8	10558.4	10964.0	11431.6	12011.1	12739.6	13112.0	13261.0
7.5°	7479.0	7727.3	8008.8	8315.1	8733.1	9461.5	10086.5	10757.0	11688.3	12073.2	12656.8
10°	6104.9	6382.2	6754.7	6990.6	7495.6	8190.9	8919.3	9693.3	10583.2	11137.8	11812.4
12.5°	5397.1	5624.8	5968.3	6465.0	6841.6	7292.8	7834.9	8811.7	10086.5	10612.2	11075.7
15°	4614.8	4867.4	5264.7	5815.2	6266.3	6804.3	7412.8	8476.4	9834.0	10645.3	11038.5
17.5°	3969.2	4151.3	4569.4	5045.3	5562.7	6150.4	7023.7	8459.9	10098.9	11137.8	11779.3
20°	3522.2	3547.1	3774.7	4180.3	4883.9	5649.6	6783.7	8377.2	10947.4	11986.2	12797.5
22.5°	3240.8	3215.9	3220.1	3563.6	4056.1	5157.1	6407.1	8658.6	11911.8	13335.6	13881.9
25°	3100.1	3033.8	2992.4	3066.9	3513.9	4573.5	6121.4	9031.1	12950.7	14448.9	15119.4
27.5°	3025.5	2909.6	2826.9	2839.3	3166.3	4279.6	5943.4	9192.5	13981.2	16001.0	16236.9
30°	2996.5	2851.7	2731.7	2690.3	2905.5	3869.9	5562.7	9469.8	14904.2	16853.6	17056.4
32.5°	2893.1	2715.1	2599.2	2562.0	2648.9	3509.8	5289.6	9668.5	15719.6	17780.8	17710.4
35°	2773.1	2624.1	2479.2	2408.8	2470.9	3278.0	5070.2	9573.3	16679.8	18500.9	18463.7
37.5°	2760.6	2566.1	2446.1	2330.2	2326.1	2992.4	4772.2	9664.3	17292.3	19792.3	19283.2
40°	2653.0	2528.9	2371.6	2276.4	2222.6	2847.5	4482.4	9449.1	18190.5	20313.8	19813.0
42.5°	2657.2	2470.9	2334.4	2222.6	2168.8	2636.5	4283.8	9391.1	18505.0	21162.2	20061.2
45°	2590.9	2408.8	2292.9	2160.5	2131.6	2475.1	4093.4	9122.2	19059.6	21203.6	19750.9
47.5°	2524.7	2363.3	2239.1	2081.8	2015.7	2417.1	3944.4	8898.6	18769.9	20814.6	19320.4
50°	2479.2	2292.9	2177.1	2065.3	1879.0	2317.8	3749.9	8844.8	18364.3	20288.9	18521.6
52.5°	2400.6	2235.0	2115.0	2028.0	1730.0	2226.7	3675.3	9159.4	18861.0	19895.7	18289.9
55°	2326.1	2156.4	2003.2	1833.6	1605.9	1986.7	3468.4	9453.2	19585.3	20802.1	19341.1
57.5°	2247.4	2086.0	1920.5	1717.7	1485.9	1738.3	3253.2	9507.1	18227.8	19225.2	18360.2
60°	2143.9	1937.0	1812.9	1547.9	1357.6	1440.3	2578.6	8381.3	14138.5	16054.8	16083.8
62.5°	2028.0	1804.6	1696.9	1386.5	1225.1	1241.7	2102.6	7044.4	11468.9	13290.0	14080.5
65°	1874.9	1659.7	1531.4	1283.0	1129.9	1076.1	1539.7	5161.2	8712.4	10781.8	11680.0
67.5°	1676.2	1473.4	1312.0	1117.5	1009.9	923.0	1051.3	2905.5	5144.6	7238.9	7512.1
70°	1465.1	1291.3	1121.6	960.2	840.2	778.1	769.8	1287.2	2458.5	3894.7	4432.8
72.5°	1154.8	1030.6	894.0	774.0	695.3	604.3	550.4	533.9	831.9	1585.2	2189.5
75°	827.8	724.3	645.7	567.0	509.1	459.4	418.0	380.8	347.7	397.4	546.3
77.5°	521.5	484.3	422.2	401.4	368.4	356.0	339.4	318.7	293.9	277.3	277.3
80°	351.8	327.0	306.3	302.2	289.7	285.6	289.7	269.0	244.2	223.5	231.8
82.5°	235.9	231.8	227.6	223.5	227.6	231.8	240.1	235.9	215.2	202.8	206.9
85°	140.7	149.0	157.3	165.5	182.1	161.5	132.5	111.7	99.4	91.1	86.9
87.5°	53.8	74.5	66.2	62.1	66.2	62.1	57.9	53.8	45.5	41.4	41.4
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°	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3	12673.3
2.5°	13703.9	13786.7	13857.1	13840.5	13695.6	13501.1	13422.5	13021.0	12938.2	12884.4
5°	13890.2	14370.3	14473.8	14411.7	14035.0	13559.1	13095.5	12507.8	12164.2	12151.8
7.5°	13546.6	14138.5	14324.8	14465.5	13964.6	13136.9	12342.2	11460.6	11245.4	11262.0
10°	12673.3	13617.0	14076.5	14221.3	13646.0	12929.9	11829.0	10935.0	10475.6	10467.3
12.5°	12189.1	12929.9	13058.2	13261.0	13091.4	12367.0	11531.0	10529.4	10082.4	10074.1
15°	11758.6	12247.1	12284.3	12569.9	12661.0	12172.5	11609.6	10541.8	10181.7	10144.5
17.5°	12135.2	11795.9	11655.2	11692.4	11961.4	12139.4	12064.9	11245.4	10877.0	10670.1
20°	12387.8	11630.3	11204.0	11245.4	11564.1	12213.9	12743.7	12263.6	11680.0	11704.8
22.5°	13062.4	11655.2	10988.8	10943.3	11448.2	12602.9	13509.4	13550.8	12987.9	12851.3
25°	14072.3	11940.8	10922.5	10910.2	11394.4	13021.0	14403.4	15073.9	14498.6	14246.1
27.5°	14883.5	12387.8	11129.5	11170.9	11564.1	13360.4	15165.0	16054.8	15616.1	15305.7
30°	15595.4	12851.3	11419.3	11228.8	12019.4	13538.4	15491.9	17172.3	16820.5	16563.9
32.5°	15889.3	13509.4	11878.7	11564.1	12396.1	13753.6	16170.7	18256.7	17954.6	17321.3
35°	16385.9	13877.7	12127.0	12102.1	13054.1	14271.0	16489.4	18972.7	18848.6	18285.7
37.5°	16783.3	14250.3	13008.6	12735.4	13956.4	15140.1	17002.6	19962.0	19676.4	19411.5
40°	17089.5	14916.6	13832.2	14192.3	15065.6	15930.7	17474.4	20024.1	20847.7	20077.8
42.5°	16808.1	15512.6	15185.7	16046.6	16874.4	16832.9	17528.2	20504.1	21120.9	20719.4
45°	16737.7	16522.6	17325.4	18107.7	18298.1	17582.1	17143.3	19974.3	21038.0	20860.1
47.5°	16568.0	17515.9	18914.8	20189.6	19899.9	18082.9	16683.9	19879.2	21087.8	20769.0
50°	16510.1	17731.1	20090.3	21331.9	21158.1	18517.5	16468.7	19266.6	20736.0	20707.0
52.5°	16506.0	18174.0	20578.6	21952.7	22060.4	19204.6	16762.5	19577.0	21009.1	21253.3
55°	16692.2	18033.2	20516.6	21609.2	21567.8	18898.3	16795.7	19784.0	21344.3	21584.4
57.5°	15744.4	16154.2	16932.3	17797.3	17573.8	15653.3	14999.4	18289.9	19589.4	19415.6
60°	13596.3	12313.2	11435.8	11394.4	10959.8	10359.7	12276.0	16323.8	16323.8	16154.2
62.5°	11907.6	8083.3	6945.1	6622.2	6932.7	7623.8	11841.4	15876.8	15425.7	15231.2
65°	10413.5	6171.1	5020.5	4929.5	5467.5	6510.5	10707.4	13525.9	12731.3	12085.6
67.5°	6700.9	4519.7	3733.3	3571.9	4221.7	4780.4	7127.2	8319.2	7818.4	7565.9
70°	4321.0	2942.7	2077.8	1949.4	2201.9	2946.9	4552.8	4850.8	4122.3	3952.7
72.5°	2044.6	1270.7	728.4	600.2	674.6	1125.8	1800.4	1937.0	1610.0	1473.4
75°	649.8	467.7	298.0	256.6	244.2	289.7	413.9	318.7	231.8	227.6
77.5°	289.7	277.3	235.9	198.6	173.8	144.9	120.0	99.4	103.4	107.6
80°	240.1	219.4	194.5	173.8	144.9	111.7	86.9	66.2	66.2	70.4
82.5°	211.1	190.4	169.7	144.9	124.2	91.1	66.2	45.5	41.4	41.4
85°	91.1	107.6	115.9	124.2	99.4	74.5	45.5	29.0	24.8	24.8
87.5°	37.3	33.1	29.0	24.8	20.7	20.7	16.5	12.4	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)