

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: P531044

Luminaire Tested: **GALN-SA6B-740-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531044
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-SA6B-740-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 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: 25130 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

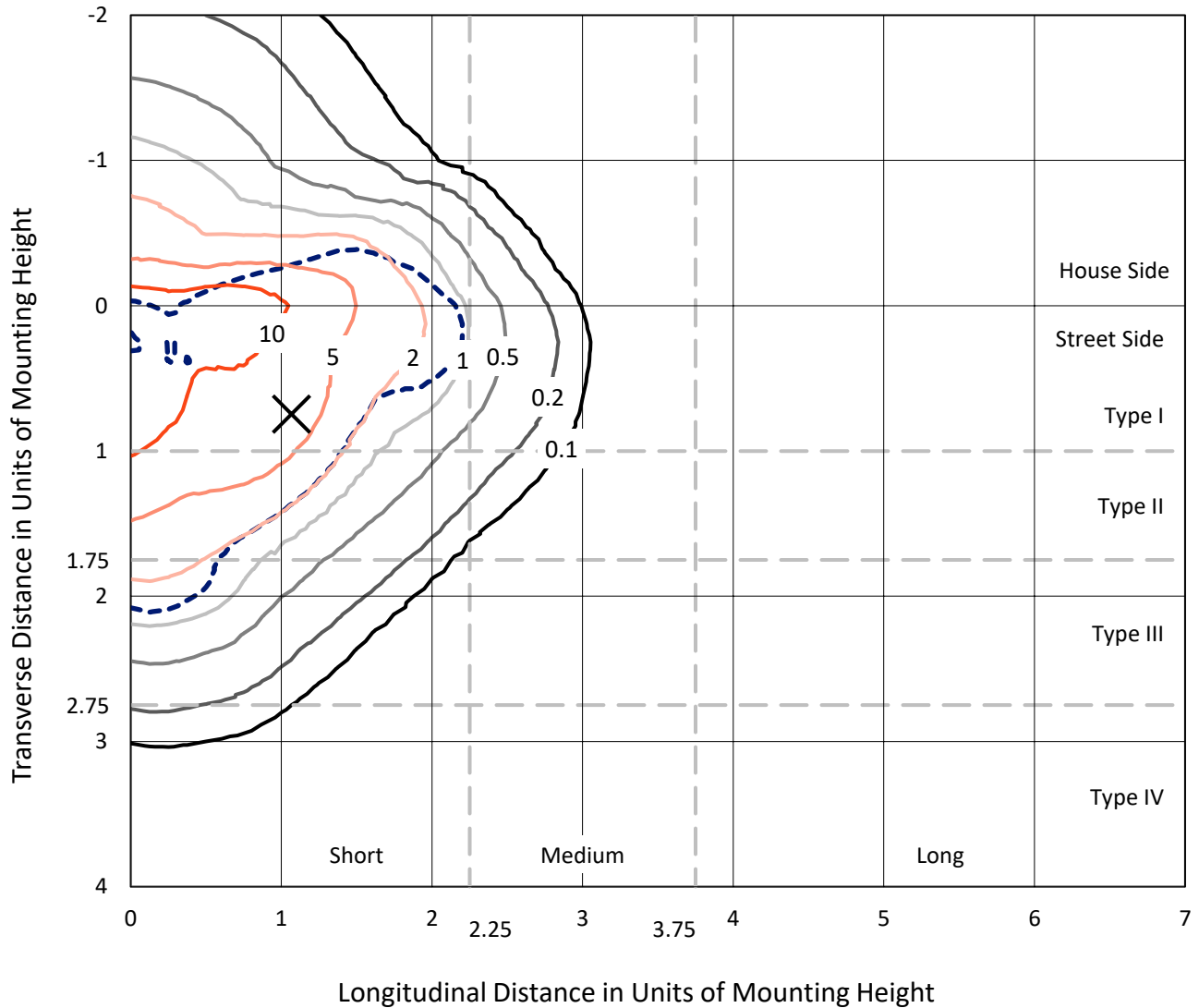
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

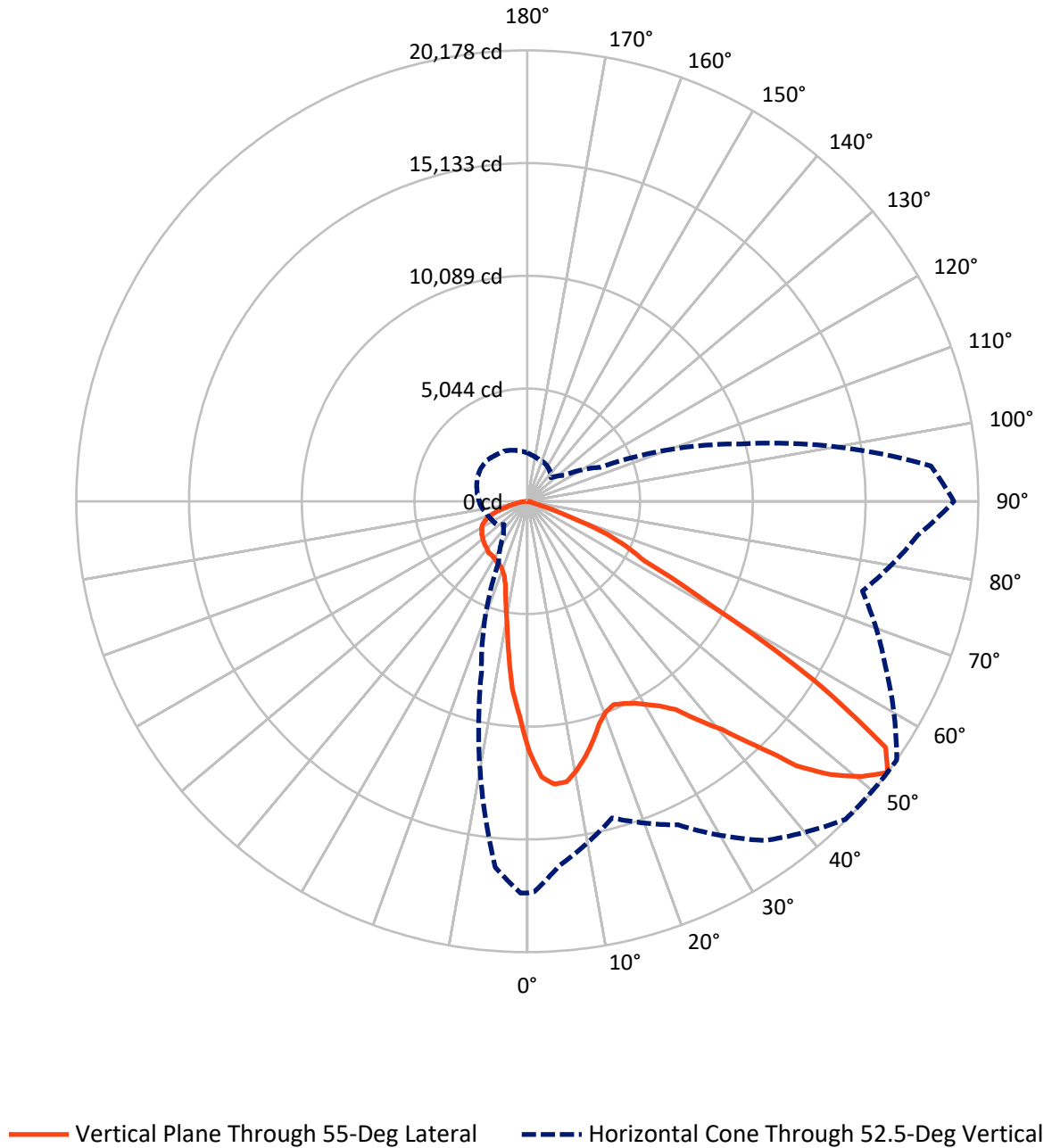
✕ Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7666.0	0.0	7666.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	17464.0	0.0	17464.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	25130.0	0.0	25130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.4	3.4
10°-20°	1846.5	7.3
20°-30°	2800.0	11.1
30°-40°	4045.5	16.1
40°-50°	5405.9	21.5
50°-60°	6034.2	24.0
60°-70°	3310.0	13.2
70°-80°	715.6	2.8
80°-90°	115.8	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°	25130.0	100.0
0°-180°	25130.0	100.0

Coefficient of Utilization



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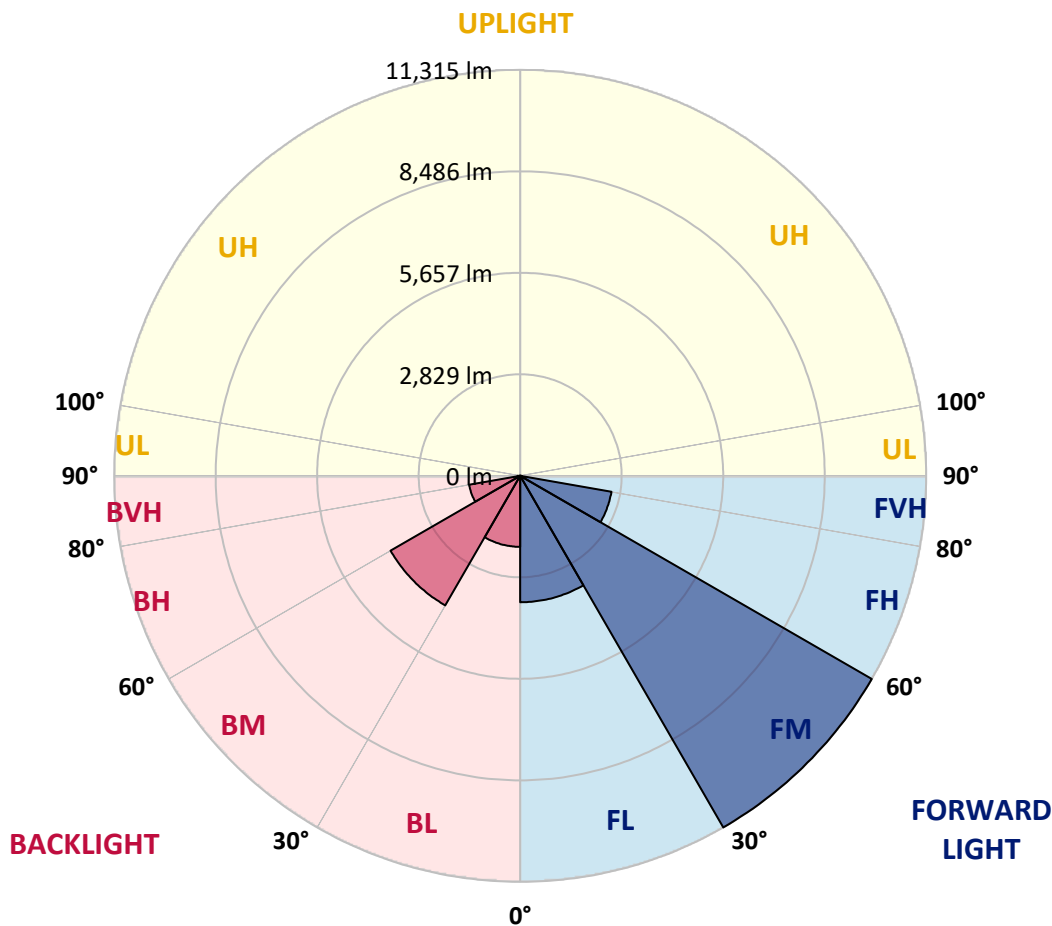
CATALOG NUMBER: GALN-SA6B-740-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3523.7	14.0			
FM (30°-60°)	11314.7	45.0			
FH (60°-80°)	2582.7	10.3			G2/5000
FVH (80°-90°)	42.9	0.2			G1/100
BL (0°-30°)	1979.3	7.9	B3/2500		
BM (30°-60°)	4170.9	16.6	B3/5000		
BH (60°-80°)	1442.9	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°	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9
2.5°	11764.0	11698.0	11756.7	12035.5	12197.0	12307.1	12376.8	12365.8	12101.6	11844.7	11844.7
5°	11419.1	11334.7	11455.8	12086.9	12721.7	12776.7	12868.5	12718.0	12329.1	11859.4	11272.3
7.5°	10421.0	10483.4	10685.2	11514.5	12340.1	12754.7	12864.8	12674.0	12042.9	11165.9	10303.6
10°	9558.7	9705.5	10171.5	11066.8	11826.4	12365.8	12486.9	12219.0	11720.0	10644.8	9874.3
12.5°	9261.5	9169.8	9687.1	10582.5	11309.0	11598.9	11653.9	11672.3	11334.7	10380.6	9441.3
15°	9224.8	9283.5	9687.1	10366.0	10813.6	10828.3	10920.0	11063.1	11107.2	10560.4	9643.1
17.5°	9753.2	9683.5	10098.1	10637.5	10424.7	10211.9	10233.9	10439.4	10802.6	10714.6	10277.9
20°	10534.8	10692.5	11019.1	10964.1	10391.7	9852.3	9855.9	10050.4	10765.9	11353.0	11162.2
22.5°	11833.7	11987.8	12230.0	11565.9	10391.7	9745.8	9621.1	9885.3	11000.8	12112.6	12160.3
25°	13018.9	13301.5	13367.5	12585.9	10912.7	9844.9	9764.2	10024.7	11235.6	12853.8	13305.1
27.5°	14097.7	14200.5	14490.3	13242.8	11202.6	9911.0	9903.6	10237.5	11532.8	13224.4	14328.9
30°	14949.0	14938.0	15103.1	13657.4	11664.9	10281.6	9925.6	10556.8	11921.8	13837.2	15275.6
32.5°	15528.8	15653.5	16002.1	14233.5	11859.4	10633.8	10355.0	10931.1	12395.1	14127.1	15943.4
35°	16548.9	16765.3	16325.0	14552.7	12475.9	10982.4	10655.8	11441.1	12630.0	14442.6	16761.7
37.5°	17510.2	17345.1	16897.4	14725.2	12875.8	11628.2	11323.7	12428.2	13360.2	15128.8	17304.7
40°	18126.7	18123.0	17326.8	14864.6	13158.4	12615.3	12596.9	13429.9	14255.5	15561.8	17913.9
42.5°	18394.5	18651.4	17502.9	14849.9	13752.8	13811.5	14182.1	14927.0	14890.3	15649.9	17899.2
44°	18761.5	18915.6	17807.5	14883.0	14149.1	14618.8	15492.1	15965.4	15444.4	15602.2	17880.8
45°	18746.8	18757.8	17374.5	14927.0	14486.7	15293.9	16075.5	16875.4	15932.4	15499.4	18123.0
47.5°	18317.5	18192.7	17007.5	14600.4	15539.8	17077.2	17800.1	18284.5	16534.2	15279.3	17822.1
50°	17469.9	17326.8	16115.9	14461.0	15759.9	18185.4	19183.5	19359.6	17080.9	15062.8	17524.9
52.5°	17528.6	17488.2	16369.1	14670.1	15980.1	18534.0	20133.8	20177.9	17701.0	15517.8	17528.6
55°	18578.0	18438.6	17095.6	14930.7	15818.7	18126.7	19528.4	19451.3	17491.9	15242.6	17851.5
57.5°	17000.2	17091.9	16090.2	13899.6	13844.5	14736.2	15352.6	15161.8	14596.8	13756.5	16607.6
60°	13716.1	13976.6	14072.0	11624.6	10446.7	9988.0	9804.6	9467.0	9562.4	11301.7	14589.4
62.5°	11764.0	11749.3	12347.4	10538.4	6843.4	5885.7	5797.6	5874.7	6975.5	11125.5	14288.5
65°	9327.5	9577.1	9760.5	8931.2	5416.0	4370.2	4366.5	4854.6	6036.1	9298.2	11536.5
67.5°	5922.4	6248.9	6476.4	5713.2	3621.7	3111.6	3027.2	3614.3	4183.1	6098.5	6946.1
70°	3339.1	3493.2	3596.0	3295.1	2304.4	1614.5	1519.1	1658.6	2528.2	3948.2	4117.0
72.5°	1287.9	1357.7	1497.1	1508.1	869.6	521.1	422.0	506.4	1064.1	1563.2	1489.8
75°	198.1	212.8	300.9	359.6	249.5	190.8	201.8	209.2	297.2	403.6	337.6
77.5°	95.4	95.4	91.7	106.4	124.8	135.8	146.8	161.5	176.1	194.5	187.1
80°	62.4	62.4	62.4	73.4	91.7	110.1	124.8	132.1	139.4	154.1	146.8
82.5°	40.4	40.4	40.4	55.0	73.4	91.7	99.1	117.4	132.1	154.1	143.1
85°	22.0	22.0	22.0	36.7	55.0	77.1	73.4	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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CATALOG NUMBER: GALN-SA6B-740-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9
2.5°	11536.5	11367.7	11353.0	11008.1	10699.9	10549.4	10428.3	10090.8	10164.2	9969.7	9966.0
5°	10978.8	10633.8	10076.1	9617.4	9158.7	9067.0	8667.1	8318.5	8329.5	8080.0	8124.0
7.5°	9977.0	9738.5	9059.7	8340.5	7731.4	7298.4	6920.4	6692.9	6403.0	6304.0	6252.6
10°	9342.2	9048.7	8285.4	7382.8	6700.3	6469.1	6105.8	5904.0	5606.8	5460.0	5357.3
12.5°	9063.3	8634.0	7680.0	6762.6	6307.6	6069.1	5760.9	5394.0	5041.7	4905.9	4718.8
15°	9092.7	8579.0	7503.9	6513.1	5966.4	5504.1	5228.9	4821.6	4462.0	4223.4	4087.7
17.5°	9536.7	8912.9	7584.6	6322.3	5537.1	4957.3	4417.9	3977.6	3691.4	3511.6	3467.6
20°	10586.1	9738.5	7720.4	6014.1	5107.8	4384.9	3720.7	3262.1	3041.9	3038.2	3041.9
22.5°	11459.4	10619.2	7995.6	5830.6	4678.4	3651.0	2990.5	2843.8	2799.7	2891.5	2902.5
25°	12637.3	11609.9	8468.9	5735.2	4282.2	3111.6	2704.3	2649.3	2645.6	2763.0	2766.7
27.5°	13844.5	12475.9	8751.4	5456.4	3878.5	2832.8	2531.9	2520.9	2579.6	2704.3	2693.3
30°	14666.5	13202.4	9261.5	5122.4	3401.5	2586.9	2462.1	2476.8	2557.6	2653.0	2667.6
32.5°	15624.2	13917.9	9393.6	4939.0	3108.0	2381.4	2293.4	2326.4	2429.1	2579.6	2660.3
35°	16721.3	14424.3	9595.4	4689.5	2997.9	2223.6	2179.6	2216.3	2341.1	2440.1	2528.2
37.5°	17532.2	15319.6	9632.1	4495.0	2876.8	2135.6	2065.9	2186.9	2260.3	2399.8	2443.8
40°	18134.0	15969.1	9727.5	4373.9	2781.4	2021.8	2021.8	2102.5	2201.6	2330.0	2418.1
42.5°	18519.3	16442.4	9797.2	4263.8	2597.9	1988.8	1970.5	2051.2	2183.3	2308.0	2348.4
44°	18754.1	16644.3	9727.5	4161.1	2546.5	1948.4	1948.4	2018.2	2120.9	2267.7	2315.4
45°	18812.9	16897.4	9573.4	4157.4	2484.2	1900.7	1893.4	2025.5	2095.2	2275.0	2304.4
47.5°	19040.4	17209.3	9591.7	4040.0	2333.7	1787.0	1915.4	1974.1	2036.5	2194.3	2293.4
50°	19033.0	17403.8	9551.4	3867.5	2223.6	1658.6	1871.4	1937.4	1999.8	2161.3	2201.6
52.5°	19084.4	18130.4	9922.0	3592.3	2025.5	1493.4	1724.6	1871.4	1948.4	2084.2	2168.6
55°	19058.7	18545.0	10288.9	3386.8	1746.6	1394.4	1599.8	1772.3	1882.4	2025.5	2065.9
57.5°	17407.5	16391.1	9522.0	3001.5	1445.7	1276.9	1423.7	1669.6	1809.0	1955.8	2007.1
60°	14222.5	12633.6	7852.5	2209.0	1188.9	1174.2	1324.6	1636.5	1695.2	1823.7	1911.7
62.5°	13143.7	11081.5	6226.9	1687.9	1016.4	1075.1	1221.9	1478.8	1570.5	1728.3	1809.0
65°	10285.2	7360.8	3856.5	1141.2	895.3	965.0	1104.5	1295.3	1445.7	1592.5	1687.9
67.5°	6091.2	4021.6	1908.1	799.9	781.6	855.0	998.1	1141.2	1313.6	1475.1	1522.8
70°	3317.1	1977.8	814.6	609.1	664.2	730.2	869.6	968.7	1133.8	1258.6	1339.3
72.5°	1064.1	601.8	407.3	451.3	506.4	583.4	667.8	788.9	906.3	979.7	1045.8
75°	256.9	253.2	289.9	315.6	366.9	425.6	495.4	557.7	649.5	719.2	777.9
77.5°	179.8	194.5	223.8	260.5	278.9	300.9	344.9	392.6	433.0	484.4	521.1
80°	139.4	150.4	172.5	190.8	209.2	227.5	249.5	267.9	293.5	326.6	344.9
82.5°	132.1	139.4	161.5	172.5	165.1	161.5	176.1	183.5	187.1	198.1	209.2
85°	11.0	0.0	7.3	25.7	62.4	91.7	99.1	99.1	95.4	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°	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9
2.5°	9922.0	9797.2	9844.9	9903.6	9819.2	9624.8	9676.1	9654.1	9852.3	9837.6	10035.7
5°	8318.5	8124.0	8146.0	8432.2	8340.5	8439.5	8241.4	8215.7	8252.4	8270.8	8303.8
7.5°	6366.4	6340.7	6560.8	6803.0	6916.8	6799.3	6604.9	6560.8	6520.5	6439.7	6623.2
10°	5195.8	5203.2	5188.5	5372.0	5500.4	5474.7	5357.3	5342.6	5265.5	5236.2	5338.9
12.5°	4638.1	4539.0	4491.3	4432.6	4531.7	4597.7	4546.3	4509.7	4513.3	4550.0	4564.7
15°	4098.7	4036.3	3933.6	3867.5	3915.2	3882.2	3863.8	3937.2	3918.9	3911.5	3999.6
17.5°	3493.2	3544.6	3537.3	3463.9	3526.3	3500.6	3496.9	3445.5	3375.8	3324.4	3353.8
20°	3093.3	3188.7	3262.1	3265.7	3298.8	3295.1	3240.1	3082.3	3030.9	3019.9	3027.2
22.5°	2950.2	3001.5	3089.6	3214.4	3214.4	3155.7	3089.6	2906.1	2858.4	2807.1	2785.1
25°	2836.4	2935.5	3049.2	3063.9	3122.6	3067.6	2961.2	2869.4	2770.4	2700.7	2700.7
27.5°	2777.7	2887.8	2972.2	2997.9	3078.6	3034.6	2924.5	2807.1	2689.6	2686.0	2623.6
30°	2752.0	2854.8	2909.8	2972.2	3008.9	2939.2	2906.1	2781.4	2664.0	2634.6	2531.9
32.5°	2675.0	2821.7	2924.5	2909.8	2939.2	2909.8	2862.1	2759.4	2627.3	2561.2	2550.2
35°	2586.9	2733.7	2843.8	2920.8	2939.2	2876.8	2847.4	2708.0	2528.2	2495.2	2381.4
37.5°	2539.2	2627.3	2763.0	2887.8	2913.5	2880.5	2781.4	2638.3	2458.5	2421.8	2322.7
40°	2480.5	2594.2	2700.7	2803.4	2880.5	2799.7	2686.0	2546.5	2465.8	2355.7	2326.4
42.5°	2436.5	2564.9	2653.0	2766.7	2854.8	2748.4	2616.3	2520.9	2407.1	2333.7	2249.3
44°	2421.8	2539.2	2597.9	2737.3	2810.7	2730.0	2619.9	2520.9	2388.8	2322.7	2249.3
45°	2370.4	2531.9	2594.2	2719.0	2781.4	2715.3	2575.9	2476.8	2381.4	2300.7	2223.6
47.5°	2319.0	2429.1	2535.5	2634.6	2678.6	2656.6	2539.2	2418.1	2304.4	2256.7	2183.3
50°	2304.4	2414.4	2513.5	2605.3	2656.6	2612.6	2506.2	2388.8	2256.7	2179.6	2117.2
52.5°	2231.0	2366.7	2476.8	2506.2	2572.2	2546.5	2465.8	2337.4	2212.6	2146.6	2095.2
55°	2124.6	2267.7	2418.1	2454.8	2550.2	2509.8	2388.8	2267.7	2161.3	2062.2	1996.1
57.5°	2084.2	2223.6	2370.4	2418.1	2476.8	2410.8	2381.4	2253.0	2084.2	2032.8	1930.1
60°	1981.5	2157.6	2278.7	2388.8	2392.4	2374.1	2322.7	2175.9	2036.5	1941.1	1867.7
62.5°	1900.7	2065.9	2161.3	2264.0	2326.4	2275.0	2223.6	2087.9	1937.4	1831.0	1746.6
65°	1783.3	1933.8	2014.5	2076.9	2146.6	2139.2	2051.2	1952.1	1794.3	1709.9	1629.2
67.5°	1603.5	1735.6	1845.7	1904.4	1948.4	1937.4	1871.4	1801.7	1640.2	1555.8	1497.1
70°	1387.0	1522.8	1592.5	1625.5	1669.6	1691.6	1640.2	1607.2	1464.1	1354.0	1299.0
72.5°	1115.5	1203.6	1306.3	1335.7	1354.0	1368.7	1368.7	1339.3	1192.5	1148.5	1053.1
75°	821.9	891.7	968.7	968.7	1001.7	1005.4	1012.7	994.4	884.3	825.6	803.6
77.5°	557.7	609.1	671.5	697.2	719.2	715.5	711.9	660.5	601.8	576.1	554.1
80°	363.3	414.6	444.0	477.0	499.0	495.4	502.7	466.0	440.3	396.3	403.6
82.5°	216.5	256.9	286.2	326.6	326.6	337.6	337.6	326.6	300.9	278.9	278.9
85°	102.7	135.8	154.1	179.8	194.5	198.1	176.1	150.4	124.8	113.8	124.8
87.5°	18.3	25.7	36.7	33.0	40.4	36.7	36.7	36.7	36.7	29.4	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°	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9	11209.9
2.5°	9962.3	10145.8	10274.2	10487.1	10854.0	11147.5	11448.4	11672.3	11698.0	11764.0
5°	8424.9	8523.9	8850.5	9276.2	9577.1	10072.4	10391.7	10971.4	11187.9	11419.1
7.5°	6579.2	6740.6	7177.3	7463.5	8124.0	8744.1	9386.2	10101.8	10388.0	10421.0
10°	5548.1	5782.9	6080.1	6538.8	6898.4	7588.3	8388.2	9184.4	9503.7	9558.7
12.5°	4872.9	5173.8	5570.1	5900.3	6245.3	6847.0	7613.9	8597.3	9012.0	9261.5
15°	4223.4	4535.3	4972.0	5430.7	5735.2	6454.4	7357.1	8465.2	9004.6	9224.8
17.5°	3555.6	3845.5	4205.1	4700.5	5313.2	6120.5	7316.7	8905.6	9496.3	9753.2
20°	2983.2	3144.6	3563.0	4073.0	4839.9	5779.3	7331.4	9555.0	10421.0	10534.8
22.5°	2759.4	2796.1	2961.2	3430.9	4271.1	5430.7	7591.9	10476.1	11459.4	11833.7
25°	2586.9	2579.6	2623.6	2939.2	3856.5	5294.9	7848.8	11323.7	12611.6	13018.9
27.5°	2491.5	2418.1	2421.8	2719.0	3563.0	5074.7	8179.0	12296.1	13917.9	14097.7
30°	2443.8	2429.1	2385.1	2506.2	3243.7	4744.5	8234.1	13253.8	14688.5	14949.0
32.5°	2414.4	2271.3	2216.3	2260.3	2942.8	4384.9	8439.5	13884.9	15642.5	15528.8
35°	2267.7	2139.2	2102.5	2146.6	2730.0	4183.1	8303.8	14435.3	16358.0	16548.9
37.5°	2212.6	2098.9	2025.5	1988.8	2531.9	4014.3	8234.1	15282.9	17051.6	17510.2
40°	2161.3	2040.2	1952.1	1915.4	2377.8	3790.5	8212.0	15936.1	17851.5	18126.7
42.5°	2102.5	2025.5	1926.4	1860.4	2190.6	3566.6	7958.9	16137.9	18097.3	18394.5
44°	2084.2	1966.8	1864.0	1842.0	2117.2	3452.9	7907.5	16321.4	18310.2	18761.5
45°	2065.9	1955.8	1838.4	1809.0	2091.5	3390.5	7837.8	16365.4	18662.4	18746.8
47.5°	2014.5	1944.8	1831.0	1750.3	2036.5	3254.7	7628.6	16115.9	18302.8	18317.5
50°	1974.1	1893.4	1776.0	1618.2	1963.1	3141.0	7724.0	16024.1	17436.8	17469.9
52.5°	1930.1	1809.0	1743.0	1471.4	1842.0	3045.6	7925.8	16438.8	17535.9	17528.6
55°	1878.7	1746.6	1585.2	1346.7	1640.2	2924.5	8413.9	17257.0	18453.3	18578.0
57.5°	1798.0	1684.2	1453.1	1236.6	1409.0	2693.3	8256.1	15690.2	16978.2	17000.2
60°	1691.6	1585.2	1317.3	1152.2	1155.9	2124.6	7382.8	12226.3	13396.9	13716.1
62.5°	1588.8	1530.1	1203.6	1031.1	983.4	1691.6	6241.6	10160.5	11499.8	11764.0
65°	1467.7	1324.6	1104.5	939.4	844.0	1185.2	4421.6	7591.9	8971.6	9327.5
67.5°	1313.6	1159.5	972.4	825.6	722.9	792.6	2282.3	4315.2	5713.2	5922.4
70°	1148.5	1005.4	818.3	697.2	583.4	546.7	1005.4	2058.5	3122.6	3339.1
72.5°	943.0	810.9	653.1	550.4	436.7	377.9	337.6	550.4	1108.1	1287.9
75°	682.5	590.8	491.7	392.6	308.2	242.2	198.1	165.1	183.5	198.1
77.5°	502.7	429.3	363.3	278.9	216.5	172.5	135.8	102.7	99.1	95.4
80°	392.6	348.6	289.9	223.8	168.8	128.4	95.4	69.7	62.4	62.4
82.5°	308.2	286.2	238.5	183.5	139.4	102.7	69.7	47.7	40.4	40.4
85°	117.4	117.4	172.5	150.4	106.4	73.4	47.7	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)