

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: P651020

Luminaire Tested: **GALN-SA7C-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651020
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-SA7C-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 1050mA 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: 30671.3 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

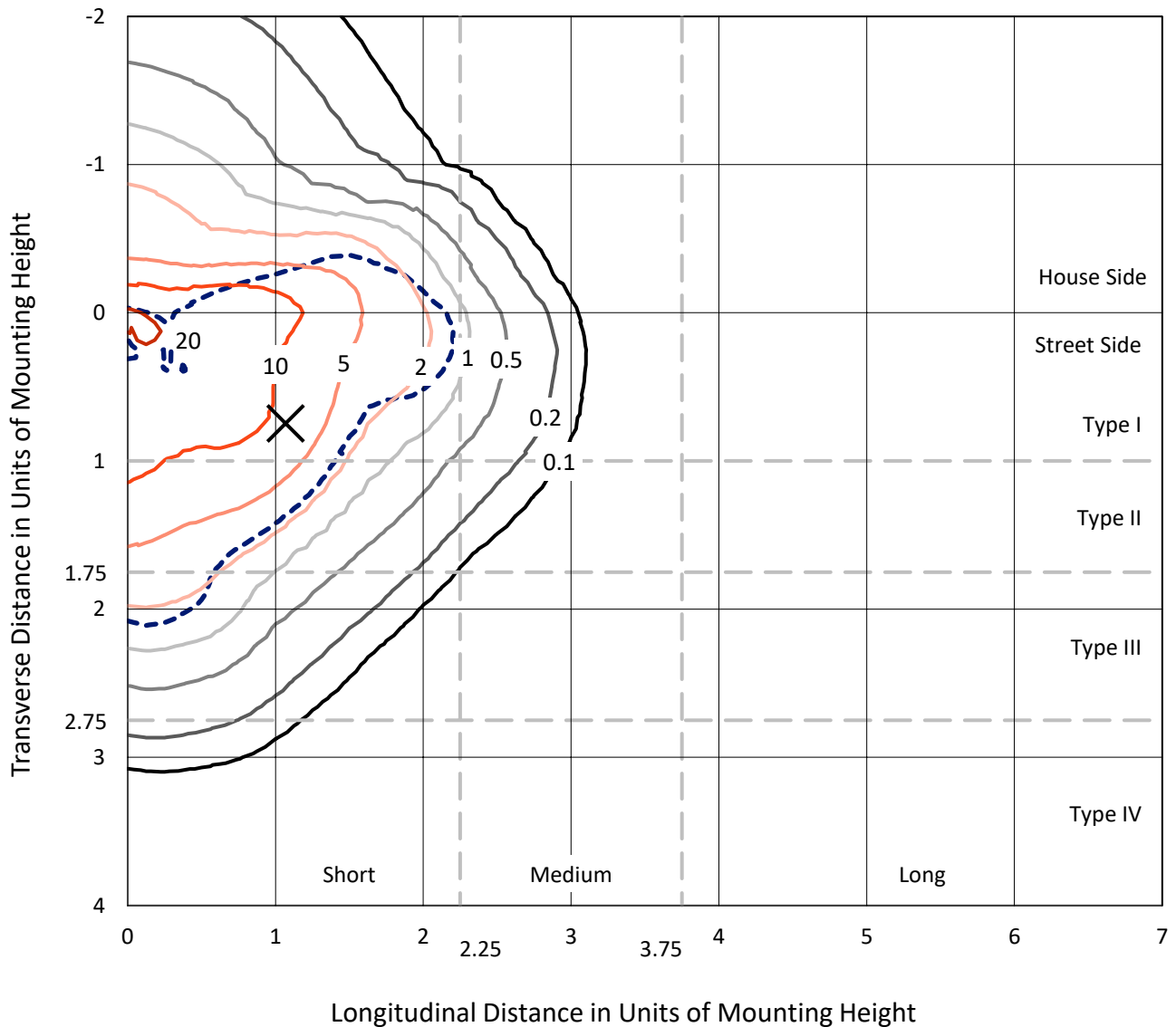
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

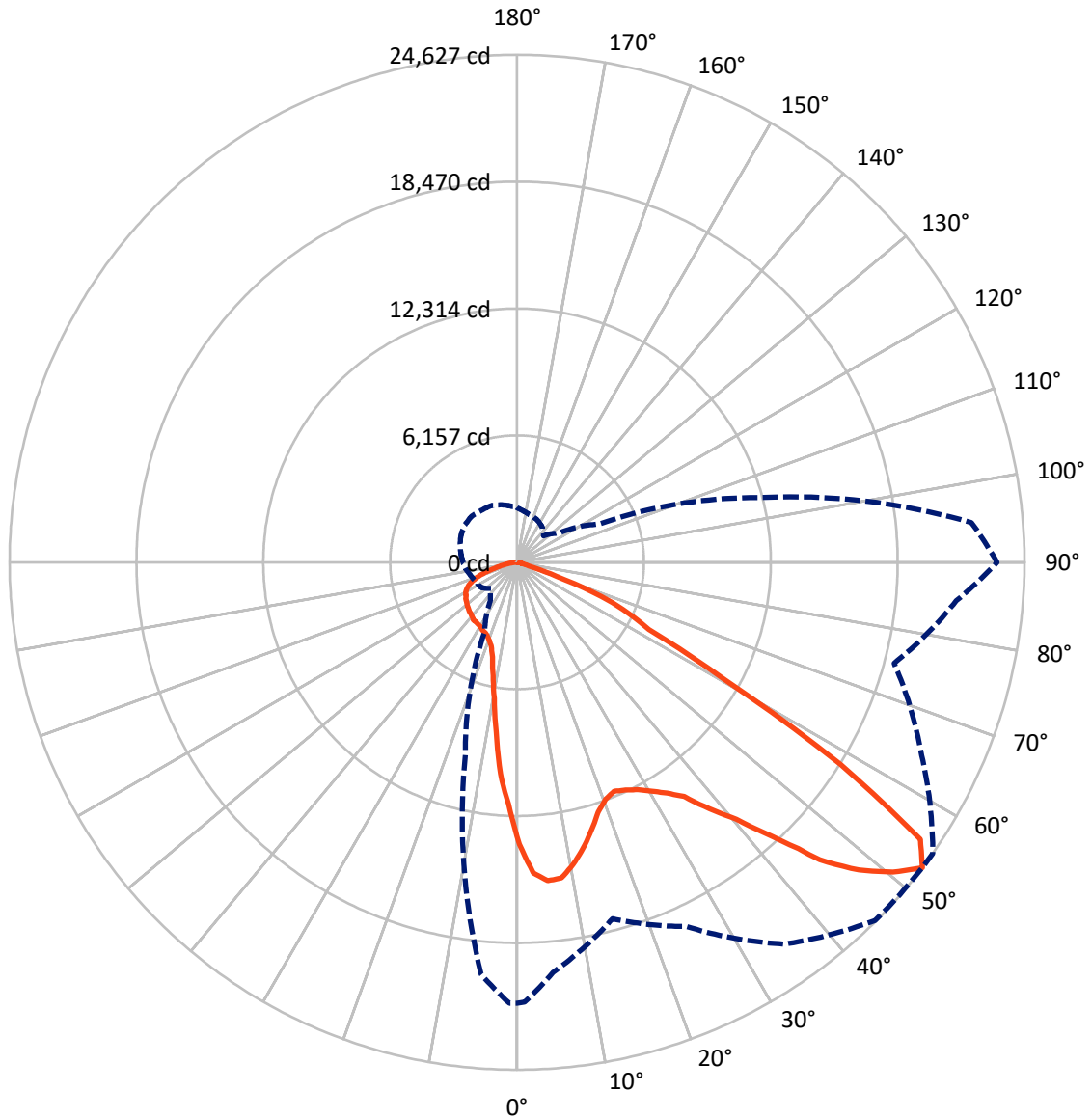
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.3 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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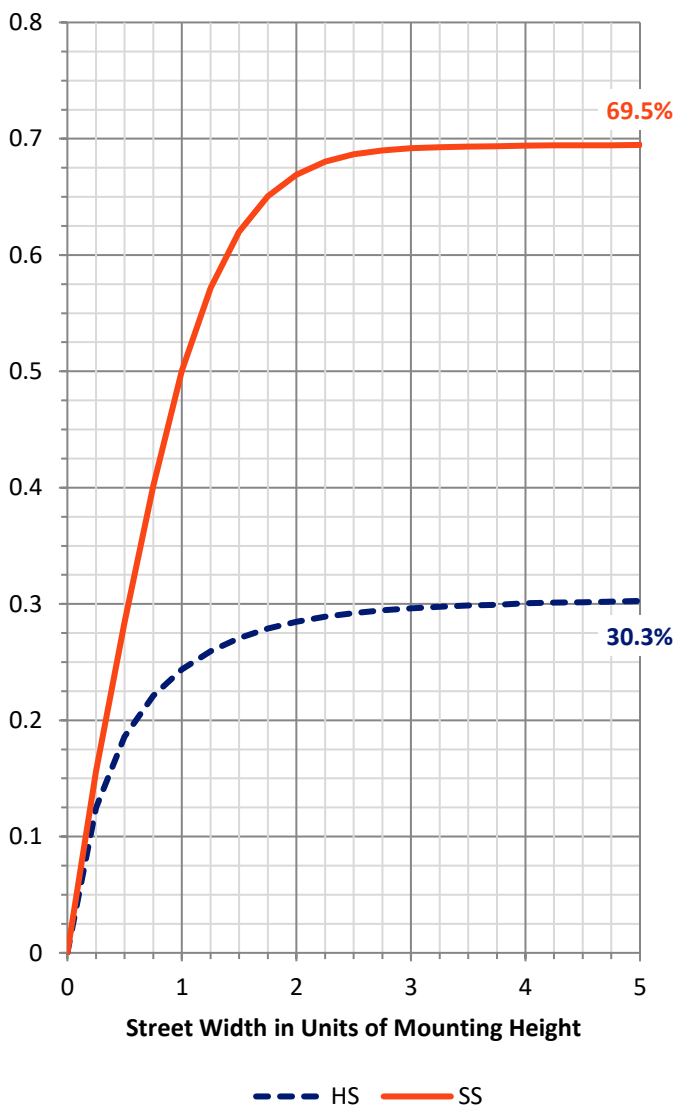
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9356.4	0.0	9356.4
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	21314.9	0.0	21314.9
	% Fixture	69.5	0.0	69.5
Total	Lumens	30671.3	0.0	30671.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1045.3	3.4
10°-20°	2253.7	7.3
20°-30°	3417.4	11.1
30°-40°	4937.6	16.1
40°-50°	6598.0	21.5
50°-60°	7364.8	24.0
60°-70°	4039.9	13.2
70°-80°	873.4	2.8
80°-90°	141.3	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°	30671.3	100.0
0°-180°	30671.3	100.0

Coefficient of Utilization



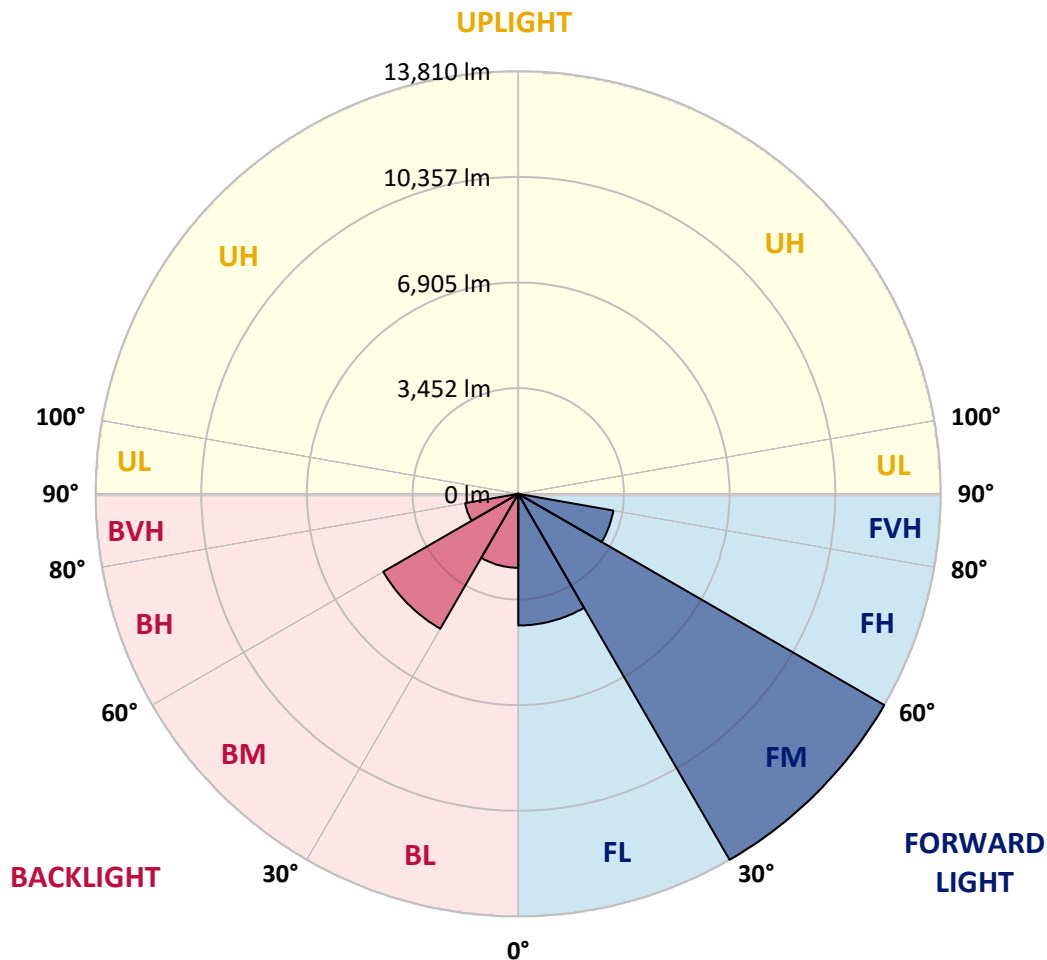
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4300.7	14.0			
FM (30°-60°)	13809.6	45.0			
FH (60°-80°)	3152.2	10.3			G2/5000
FVH (80°-90°)	52.3	0.2			G1/100
BL (0°-30°)	2415.7	7.9	B3/2500		
BM (30°-60°)	5090.6	16.6	B4/8500		
BH (60°-80°)	1761.1	5.7	B3/2500		G3/2500
BVH (80°-90°)	89.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7
2.5°	14358.0	14277.4	14349.1	14689.4	14886.5	15020.8	15106.0	15092.5	14770.1	14456.5	14456.5
5°	13937.1	13834.0	13981.8	14752.1	15526.9	15594.1	15706.0	15522.4	15047.7	14474.5	13757.9
7.5°	12718.9	12795.1	13041.3	14053.4	15061.1	15567.2	15701.6	15468.7	14698.4	13628.0	12575.6
10°	11666.4	11845.6	12414.3	13507.1	14434.2	15092.5	15240.3	14913.4	14304.2	12992.1	12051.6
12.5°	11303.7	11191.7	11823.2	12915.9	13802.7	14156.5	14223.7	14246.0	13834.0	12669.6	11523.1
15°	11258.9	11330.5	11823.2	12651.7	13198.1	13216.0	13328.0	13502.6	13556.3	12889.1	11769.5
17.5°	11903.8	11818.7	12324.8	12983.1	12723.4	12463.6	12490.4	12741.3	13184.6	13077.1	12544.2
20°	12857.7	13050.3	13448.9	13381.7	12683.0	12024.7	12029.2	12266.6	13139.9	13856.4	13623.5
22.5°	14443.1	14631.2	14926.7	14116.2	12683.0	11894.9	11742.5	12065.0	13426.5	14783.4	14841.7
25°	15889.7	16234.5	16315.1	15361.2	13319.0	12015.8	11917.2	12235.2	13713.1	15688.1	16239.0
27.5°	17206.4	17331.7	17685.6	16162.8	13672.8	12096.4	12087.4	12495.0	14075.9	16140.5	17488.4
30°	18245.3	18231.9	18433.5	16668.9	14237.1	12548.7	12114.3	12884.6	14550.6	16888.4	18643.9
32.5°	18952.9	19105.2	19530.6	17372.0	14474.5	12978.6	12638.3	13341.4	15128.3	17242.2	19459.0
35°	20198.0	20462.2	19924.7	17761.7	15226.8	13404.1	13005.5	13963.9	15414.9	17627.3	20457.7
37.5°	21371.3	21169.8	20623.4	17972.2	15715.0	14192.3	13820.6	15168.6	16306.1	18464.7	21120.5
40°	22123.7	22119.2	21147.4	18142.3	16059.8	15397.0	15374.7	16391.3	17398.9	18993.2	21864.0
42.5°	22450.7	22764.1	21362.3	18124.4	16785.4	16857.0	17309.3	18218.5	18173.7	19100.7	21846.1
44°	22898.5	23086.5	21734.0	18164.8	17269.0	17842.2	18908.1	19485.9	18849.9	19042.5	21823.6
45°	22880.6	22894.0	21205.6	18218.5	17681.0	18666.3	19620.2	20596.5	19445.6	18917.1	22119.2
47.5°	22356.6	22204.3	20757.7	17819.9	18966.4	20842.8	21725.1	22316.3	20180.0	18648.4	21752.0
50°	21322.0	21147.4	19669.5	17649.7	19235.1	22195.3	23413.5	23628.5	20847.3	18384.2	21389.2
52.5°	21393.7	21344.4	19978.5	17905.0	19503.8	22620.8	24573.4	24627.2	21604.2	18939.5	21393.7
55°	22674.5	22504.4	20865.2	18223.0	19306.8	22123.7	23834.4	23740.4	21349.0	18603.6	21787.8
57.5°	20748.8	20860.8	19638.1	16964.5	16897.3	17985.5	18738.0	18505.1	17815.4	16789.8	20269.6
60°	16740.5	17058.5	17175.0	14187.8	12750.2	12190.5	11966.5	11554.5	11670.9	13793.7	17806.4
62.5°	14358.0	14340.1	15070.0	12862.2	8352.4	7183.5	7076.0	7170.0	8513.6	13578.8	17439.2
65°	11384.3	11688.8	11912.8	10900.6	6610.3	5333.9	5329.4	5925.0	7367.1	11348.5	14080.4
67.5°	7228.2	7626.9	7904.6	6973.0	4420.3	3797.8	3694.8	4411.3	5105.5	7443.3	8477.8
70°	4075.4	4263.5	4388.9	4021.7	2812.5	1970.5	1854.1	2024.3	3085.7	4818.8	5024.9
72.5°	1571.9	1657.0	1827.2	1840.7	1061.4	636.0	515.0	618.1	1298.8	1907.8	1818.2
75°	241.9	259.8	367.3	438.9	304.5	232.9	246.3	255.2	362.7	492.7	412.0
77.5°	116.5	116.5	111.9	129.9	152.3	165.7	179.1	197.0	215.0	237.3	228.4
80°	76.1	76.1	76.1	89.6	111.9	134.4	152.3	161.2	170.2	188.1	179.1
82.5°	49.3	49.3	49.3	67.2	89.6	111.9	120.9	143.3	161.2	188.1	174.7
85°	26.9	26.9	26.9	44.8	67.2	94.0	89.6	71.7	40.3	4.5	9.0
87.5°	9.0	9.0	9.0	9.0	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°	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7
2.5°	14080.4	13874.3	13856.4	13435.5	13059.2	12875.6	12727.9	12315.9	12405.4	12168.0	12163.6
5°	13399.7	12978.6	12297.9	11738.1	11178.3	11066.3	10578.2	10152.7	10166.2	9861.7	9915.4
7.5°	12177.0	11885.9	11057.4	10179.5	9436.2	8907.7	8446.4	8168.7	7814.9	7694.1	7631.3
10°	11402.2	11043.9	10112.4	9010.7	8177.7	7895.6	7452.2	7205.9	6843.1	6664.0	6538.6
12.5°	11061.8	10537.9	9373.4	8253.8	7698.5	7407.4	7031.2	6583.3	6153.4	5987.8	5759.3
15°	11097.7	10470.7	9158.5	7949.3	7282.1	6717.7	6381.8	5884.7	5445.8	5154.7	4989.1
17.5°	11639.6	10878.3	9257.1	7716.4	6758.0	6050.4	5392.1	4854.7	4505.3	4285.9	4232.2
20°	12920.5	11885.9	9422.7	7340.2	6234.1	5351.8	4541.1	3981.4	3712.7	3708.2	3712.7
22.5°	13986.3	12960.7	9758.6	7116.3	5710.1	4456.1	3649.9	3470.8	3417.1	3529.0	3542.5
25°	15423.9	14169.9	10336.3	6999.9	5226.4	3797.8	3300.7	3233.5	3229.0	3372.3	3376.8
27.5°	16897.3	15226.8	10681.2	6659.5	4733.7	3457.4	3090.2	3076.7	3148.4	3300.7	3287.2
30°	17900.5	16113.6	11303.7	6252.0	4151.5	3157.4	3005.1	3023.0	3121.5	3237.9	3255.8
32.5°	19069.3	16986.9	11464.9	6028.0	3793.2	2906.5	2799.0	2839.4	2964.8	3148.4	3246.9
35°	20408.5	17604.9	11711.3	5723.5	3658.9	2714.0	2660.3	2705.0	2857.3	2978.1	3085.7
37.5°	21398.2	18697.6	11756.0	5486.2	3511.1	2606.5	2521.4	2669.2	2758.7	2929.0	2982.7
40°	22132.7	19490.3	11872.5	5338.3	3394.7	2467.7	2467.7	2566.1	2687.1	2843.8	2951.3
42.5°	22602.9	20068.1	11957.5	5204.0	3170.7	2427.4	2404.9	2503.5	2664.7	2816.9	2866.2
44°	22889.5	20314.4	11872.5	5078.6	3108.1	2378.1	2378.1	2463.2	2588.6	2767.7	2825.9
45°	22961.2	20623.4	11684.3	5074.1	3032.0	2319.8	2310.9	2472.1	2557.2	2776.6	2812.5
47.5°	23238.8	21004.1	11706.7	4930.8	2848.3	2181.0	2337.7	2409.4	2485.6	2678.2	2799.0
50°	23229.8	21241.5	11657.5	4720.3	2714.0	2024.3	2284.0	2364.6	2440.8	2637.8	2687.1
52.5°	23292.6	22128.1	12109.8	4384.5	2472.1	1822.8	2104.9	2284.0	2378.1	2543.8	2646.8
55°	23261.2	22634.3	12557.6	4133.6	2131.8	1701.8	1952.6	2163.1	2297.4	2472.1	2521.4
57.5°	21245.9	20005.4	11621.7	3663.4	1764.5	1558.5	1737.7	2037.7	2207.9	2387.0	2449.7
60°	17358.6	15419.4	9584.0	2696.1	1451.1	1433.1	1616.7	1997.4	2069.0	2225.8	2333.3
62.5°	16041.9	13525.0	7599.9	2060.1	1240.6	1312.2	1491.3	1804.8	1916.8	2109.4	2207.9
65°	12553.2	8983.8	4706.9	1392.8	1092.7	1177.8	1348.0	1580.9	1764.5	1943.6	2060.1
67.5°	7434.3	4908.4	2328.8	976.3	953.9	1043.5	1218.2	1392.8	1603.3	1800.3	1858.6
70°	4048.6	2413.9	994.2	743.4	810.6	891.2	1061.4	1182.3	1383.9	1536.1	1634.7
72.5°	1298.8	734.4	497.1	550.9	618.1	712.1	815.1	962.9	1106.2	1195.7	1276.4
75°	313.5	309.0	353.8	385.2	447.8	519.5	604.6	680.7	792.7	877.8	949.4
77.5°	219.4	237.3	273.2	318.0	340.4	367.3	421.0	479.2	528.5	591.1	636.0
80°	170.2	183.6	210.5	232.9	255.2	277.7	304.5	326.9	358.3	398.5	421.0
82.5°	161.2	170.2	197.0	210.5	201.5	197.0	215.0	224.0	228.4	241.9	255.2
85°	13.5	0.0	9.0	31.4	76.1	111.9	120.9	120.9	116.5	125.4	125.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	17.9	13.5
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°	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7
2.5°	12109.8	11957.5	12015.8	12087.4	11984.4	11747.1	11809.7	11782.9	12024.7	12006.8	12248.7
5°	10152.7	9915.4	9942.2	10291.6	10179.5	10300.5	10058.7	10027.3	10072.1	10094.5	10134.8
7.5°	7770.2	7738.8	8007.5	8303.1	8442.0	8298.7	8061.2	8007.5	7958.3	7859.7	8083.7
10°	6341.6	6350.5	6332.6	6556.5	6713.3	6681.9	6538.6	6520.7	6426.6	6390.8	6516.2
12.5°	5660.8	5539.9	5481.6	5410.0	5530.9	5611.6	5548.8	5504.1	5508.6	5553.3	5571.2
15°	5002.4	4926.3	4800.9	4720.3	4778.6	4738.2	4715.8	4805.4	4783.0	4774.0	4881.6
17.5°	4263.5	4326.2	4317.3	4227.7	4303.8	4272.4	4268.0	4205.3	4120.2	4057.5	4093.3
20°	3775.3	3891.8	3981.4	3985.8	4026.1	4021.7	3954.5	3762.0	3699.2	3685.8	3694.8
22.5°	3600.7	3663.4	3770.9	3923.2	3923.2	3851.5	3770.9	3546.9	3488.7	3426.1	3399.2
25°	3461.9	3582.7	3721.6	3739.5	3811.2	3744.0	3614.1	3502.2	3381.2	3296.1	3296.1
27.5°	3390.2	3524.5	3627.6	3658.9	3757.4	3703.7	3569.4	3426.1	3282.8	3278.2	3202.1
30°	3358.9	3484.3	3551.5	3627.6	3672.4	3587.3	3546.9	3394.7	3251.4	3215.6	3090.2
32.5°	3264.8	3444.0	3569.4	3551.5	3587.3	3551.5	3493.2	3367.8	3206.6	3126.0	3112.5
35°	3157.4	3336.5	3470.8	3564.8	3587.3	3511.1	3475.3	3305.1	3085.7	3045.3	2906.5
37.5°	3099.1	3206.6	3372.3	3524.5	3555.9	3515.6	3394.7	3220.0	3000.6	2955.8	2834.8
40°	3027.4	3166.3	3296.1	3421.5	3515.6	3417.1	3278.2	3108.1	3009.5	2875.2	2839.4
42.5°	2973.7	3130.5	3237.9	3376.8	3484.3	3354.4	3193.2	3076.7	2937.9	2848.3	2745.3
44°	2955.8	3099.1	3170.7	3341.0	3430.5	3332.0	3197.7	3076.7	2915.5	2834.8	2745.3
45°	2893.1	3090.2	3166.3	3318.6	3394.7	3314.0	3143.9	3023.0	2906.5	2808.0	2714.0
47.5°	2830.4	2964.8	3094.6	3215.6	3269.3	3242.4	3099.1	2951.3	2812.5	2754.3	2664.7
50°	2812.5	2946.9	3067.8	3179.7	3242.4	3188.7	3058.8	2915.5	2754.3	2660.3	2584.1
52.5°	2722.9	2888.6	3023.0	3058.8	3139.5	3108.1	3009.5	2852.8	2700.5	2619.9	2557.2
55°	2593.1	2767.7	2951.3	2996.1	3112.5	3063.3	2915.5	2767.7	2637.8	2516.9	2436.3
57.5°	2543.8	2714.0	2893.1	2951.3	3023.0	2942.3	2906.5	2749.8	2543.8	2481.1	2355.6
60°	2418.4	2633.3	2781.1	2915.5	2920.0	2897.6	2834.8	2655.7	2485.6	2369.1	2279.5
62.5°	2319.8	2521.4	2637.8	2763.2	2839.4	2776.6	2714.0	2548.2	2364.6	2234.8	2131.8
65°	2176.5	2360.2	2458.7	2534.9	2619.9	2611.0	2503.5	2382.6	2190.0	2086.9	1988.5
67.5°	1957.1	2118.3	2252.7	2324.4	2378.1	2364.6	2284.0	2199.0	2001.9	1898.9	1827.2
70°	1692.8	1858.6	1943.6	1984.0	2037.7	2064.6	2001.9	1961.5	1786.9	1652.6	1585.4
72.5°	1361.5	1469.0	1594.4	1630.2	1652.6	1670.5	1670.5	1634.7	1455.5	1401.8	1285.3
75°	1003.1	1088.3	1182.3	1182.3	1222.6	1227.1	1236.1	1213.6	1079.3	1007.7	980.8
77.5°	680.7	743.4	819.6	850.9	877.8	873.3	868.8	806.1	734.4	703.2	676.2
80°	443.4	506.0	541.9	582.2	609.1	604.6	613.6	568.8	537.4	483.7	492.7
82.5°	264.2	313.5	349.4	398.5	398.5	412.0	412.0	398.5	367.3	340.4	340.4
85°	125.4	165.7	188.1	219.4	237.3	241.9	215.0	183.6	152.3	138.8	152.3
87.5°	22.4	31.4	44.8	40.3	49.3	44.8	44.8	44.8	44.8	35.8	40.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P651020

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7	13681.7
2.5°	12159.1	12383.0	12539.7	12799.5	13247.3	13605.6	13972.9	14246.0	14277.4	14358.0
5°	10282.6	10403.5	10802.1	11321.6	11688.8	12293.4	12683.0	13390.7	13654.9	13937.1
7.5°	8030.0	8227.0	8759.9	9109.2	9915.4	10672.2	11455.9	12329.2	12678.6	12718.9
10°	6771.5	7058.1	7420.8	7980.7	8419.5	9261.5	10237.8	11209.6	11599.2	11666.4
12.5°	5947.4	6314.6	6798.3	7201.4	7622.4	8356.8	9292.9	10493.1	10999.2	11303.7
15°	5154.7	5535.4	6068.3	6628.2	6999.9	7877.6	8979.4	10331.9	10990.2	11258.9
17.5°	4339.6	4693.5	5132.4	5737.0	6484.9	7470.1	8930.1	10869.3	11590.3	11903.8
20°	3641.0	3838.1	4348.6	4971.2	5907.1	7053.6	8948.0	11662.0	12718.9	12857.7
22.5°	3367.8	3412.6	3614.1	4187.3	5212.9	6628.2	9266.0	12786.1	13986.3	14443.1
25°	3157.4	3148.4	3202.1	3587.3	4706.9	6462.4	9579.5	13820.6	15392.6	15889.7
27.5°	3040.9	2951.3	2955.8	3318.6	4348.6	6193.7	9982.5	15007.4	16986.9	17206.4
30°	2982.7	2964.8	2911.0	3058.8	3959.0	5790.7	10049.7	16176.3	17927.3	18245.3
32.5°	2946.9	2772.2	2705.0	2758.7	3591.7	5351.8	10300.5	16946.6	19091.8	18952.9
35°	2767.7	2611.0	2566.1	2619.9	3332.0	5105.5	10134.8	17618.4	19965.1	20198.0
37.5°	2700.5	2561.7	2472.1	2427.4	3090.2	4899.5	10049.7	18652.9	20811.5	21371.3
40°	2637.8	2490.0	2382.6	2337.7	2902.0	4626.3	10022.9	19450.1	21787.8	22123.7
42.5°	2566.1	2472.1	2351.2	2270.6	2673.6	4353.1	9713.8	19696.4	22087.9	22450.7
44°	2543.8	2400.5	2275.1	2248.2	2584.1	4214.3	9651.1	19920.3	22347.6	22898.5
45°	2521.4	2387.0	2243.7	2207.9	2552.8	4138.1	9566.0	19974.0	22777.6	22880.6
47.5°	2458.7	2373.6	2234.8	2136.2	2485.6	3972.4	9310.8	19669.5	22338.6	22356.6
50°	2409.4	2310.9	2167.6	1975.0	2396.0	3833.6	9427.2	19557.5	21281.8	21322.0
52.5°	2355.6	2207.9	2127.3	1795.9	2248.2	3717.1	9673.5	20063.6	21402.7	21393.7
55°	2293.0	2131.8	1934.7	1643.6	2001.9	3569.4	10269.1	21062.3	22522.3	22674.5
57.5°	2194.4	2055.7	1773.5	1509.3	1719.8	3287.2	10076.6	19150.0	20721.9	20748.8
60°	2064.6	1934.7	1607.7	1406.2	1410.7	2593.1	9010.7	14922.3	16351.0	16740.5
62.5°	1939.2	1867.5	1469.0	1258.5	1200.2	2064.6	7617.9	12400.9	14035.5	14358.0
65°	1791.4	1616.7	1348.0	1146.5	1030.1	1446.5	5396.5	9266.0	10949.9	11384.3
67.5°	1603.3	1415.2	1186.8	1007.7	882.3	967.3	2785.6	5266.7	6973.0	7228.2
70°	1401.8	1227.1	998.7	850.9	712.1	667.3	1227.1	2512.4	3811.2	4075.4
72.5°	1151.0	989.8	797.2	671.8	532.9	461.3	412.0	671.8	1352.5	1571.9
75°	833.0	721.1	600.1	479.2	376.2	295.6	241.9	201.5	224.0	241.9
77.5°	613.6	523.9	443.4	340.4	264.2	210.5	165.7	125.4	120.9	116.5
80°	479.2	425.5	353.8	273.2	206.0	156.8	116.5	85.1	76.1	76.1
82.5°	376.2	349.4	291.1	224.0	170.2	125.4	85.1	58.2	49.3	49.3
85°	143.3	143.3	210.5	183.6	129.9	89.6	58.2	31.4	26.9	26.9
87.5°	35.8	35.8	35.8	35.8	31.4	26.9	26.9	13.5	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)