

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: P532682

Luminaire Tested: **GALN-SA8A-740-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532682
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-SA8A-740-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 615mA 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: 27502 lumens
Efficiency: N/A
Efficacy: 112.7 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

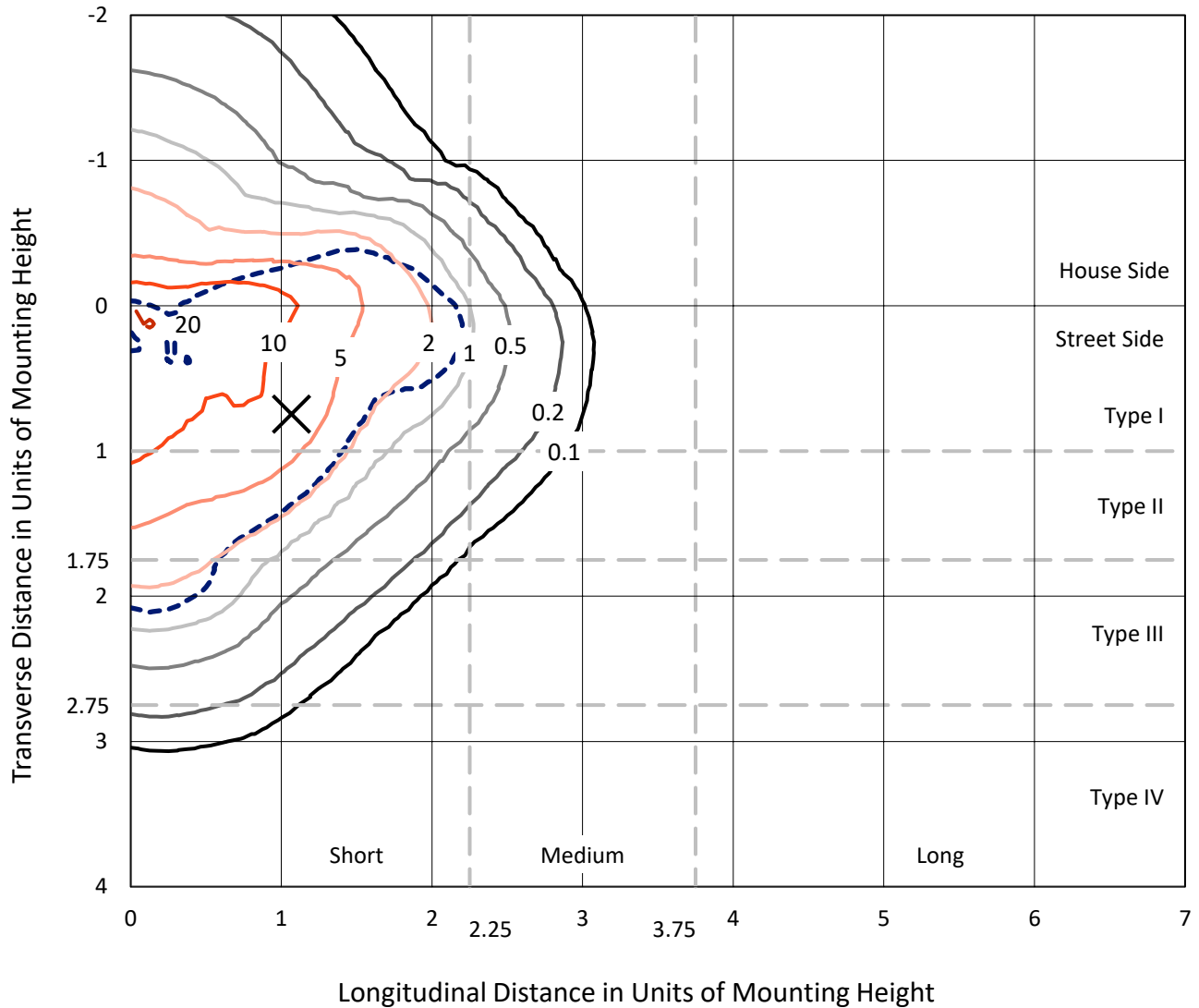
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

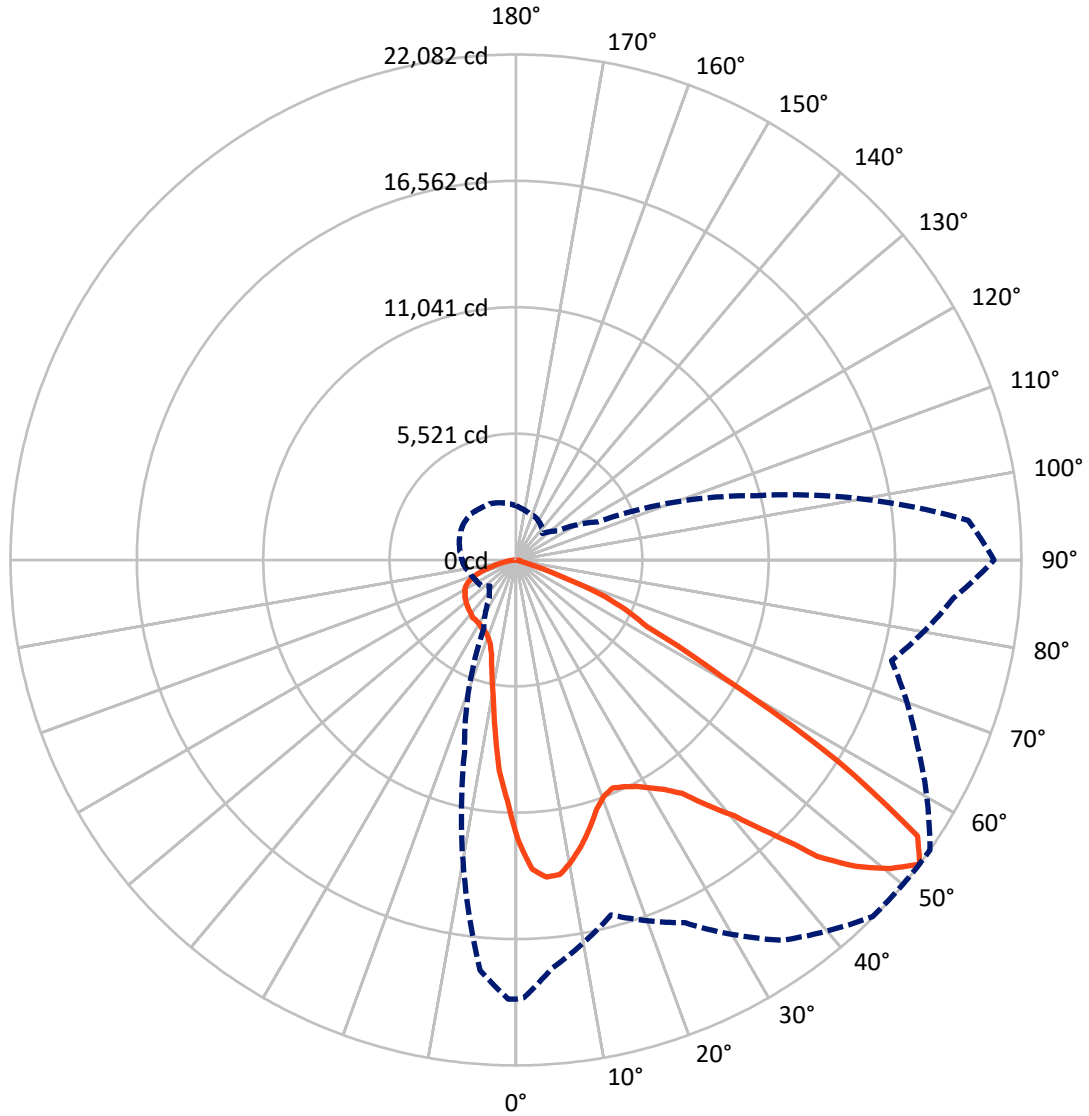
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 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	8389.6	0.0	8389.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	19112.4	0.0	19112.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	27502.0	0.0	27502.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	937.3	3.4
10°-20°	2020.8	7.3
20°-30°	3064.3	11.1
30°-40°	4427.4	16.1
40°-50°	5916.2	21.5
50°-60°	6603.8	24.0
60°-70°	3622.5	13.2
70°-80°	783.2	2.8
80°-90°	126.7	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°	27502.0	100.0
0°-180°	27502.0	100.0

Coefficient of Utilization



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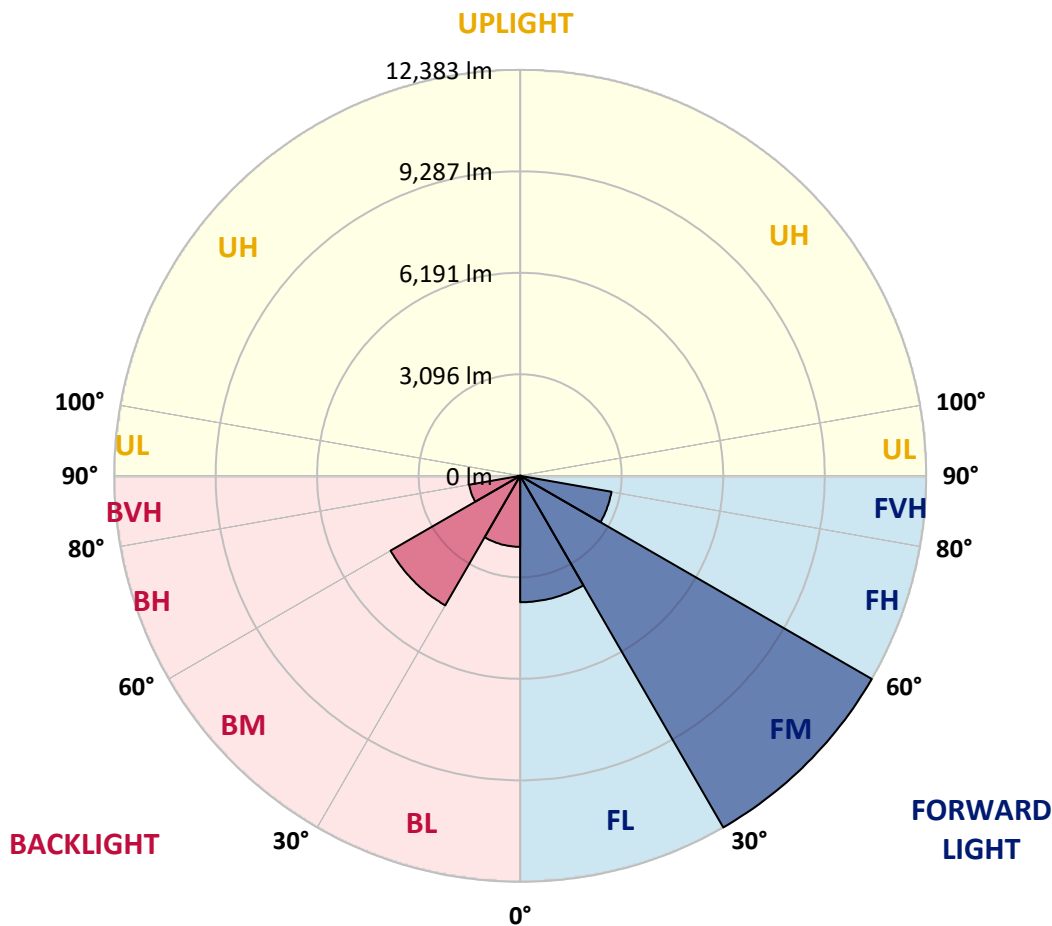
CATALOG NUMBER: GALN-SA8A-740-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3856.3	14.0			
FM (30°-60°)	12382.7	45.0			
FH (60°-80°)	2826.5	10.3			G2/5000
FVH (80°-90°)	46.9	0.2			G1/100
BL (0°-30°)	2166.1	7.9	B3/2500		
BM (30°-60°)	4564.6	16.6	B3/5000		
BH (60°-80°)	1579.1	5.7	B3/2500		G3/2500
BVH (80°-90°)	79.8	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°	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0
2.5°	12874.4	12802.1	12866.4	13171.6	13348.2	13468.7	13545.0	13533.0	13243.8	12962.7	12962.7
5°	12496.9	12404.6	12537.1	13227.8	13922.5	13982.7	14083.1	13918.5	13492.8	12978.8	12336.3
7.5°	11404.6	11472.9	11693.8	12601.3	13504.9	13958.6	14079.1	13870.3	13179.6	12219.8	11276.1
10°	10460.9	10621.6	11131.6	12111.4	12942.7	13533.0	13665.5	13372.3	12826.2	11649.6	10806.3
12.5°	10135.7	10035.3	10601.5	11581.3	12376.4	12693.7	12753.9	12774.0	12404.6	11360.5	10332.4
15°	10095.5	10159.8	10601.5	11344.4	11834.3	11850.4	11950.8	12107.4	12155.6	11557.2	10553.3
17.5°	10673.8	10597.5	11051.3	11641.6	11408.7	11175.7	11199.8	11424.7	11822.3	11725.9	11248.0
20°	11529.1	11701.8	12059.2	11999.0	11372.5	10782.2	10786.2	10999.1	11782.1	12424.6	12215.8
22.5°	12950.7	13119.4	13384.4	12657.5	11372.5	10665.7	10529.2	10818.3	12039.1	13255.9	13308.1
25°	14247.8	14557.0	14629.3	13773.9	11942.7	10774.2	10685.8	10970.9	12296.1	14067.1	14561.0
27.5°	15428.4	15540.8	15858.1	14492.7	12260.0	10846.5	10838.4	11203.9	12621.4	14472.6	15681.4
30°	16360.0	16348.0	16528.7	14946.5	12766.0	11252.0	10862.5	11553.2	13047.1	15143.3	16717.4
32.5°	16994.5	17131.1	17512.5	15577.0	12978.8	11637.6	11332.4	11962.8	13565.1	15460.5	17448.3
35°	18110.9	18347.8	17865.9	15926.3	13653.4	12019.0	11661.6	12521.0	13822.1	15805.9	18343.8
37.5°	19163.0	18982.3	18492.4	16115.1	14091.2	12725.8	12392.5	13601.2	14621.2	16556.8	18938.1
40°	19837.6	19833.6	18962.2	16267.7	14400.4	13806.0	13786.0	14697.5	15601.1	17030.7	19604.7
42.5°	20130.8	20411.9	19155.0	16251.6	15050.9	15115.2	15520.8	16335.9	16295.8	17127.0	19588.7
44°	20532.4	20701.0	19488.3	16287.8	15484.6	15998.6	16954.4	17472.4	16902.2	17074.8	19568.6
45°	20516.3	20528.4	19014.4	16335.9	15854.1	16737.5	17592.9	18468.3	17436.2	16962.4	19833.6
47.5°	20046.5	19909.9	18612.9	15978.5	17006.6	18689.2	19480.2	20010.3	18094.8	16721.5	19504.3
50°	19118.8	18962.2	17637.0	15825.9	17247.5	19901.9	20994.2	21186.9	18693.2	16484.5	19179.1
52.5°	19183.1	19138.9	17914.1	16054.8	17488.5	20283.4	22034.2	22082.4	19371.8	16982.5	19183.1
55°	20331.6	20179.0	18709.2	16340.0	17311.8	19837.6	21371.7	21287.3	19142.9	16681.3	19536.5
57.5°	18604.8	18705.2	17608.9	15211.5	15151.3	16127.1	16801.8	16592.9	15974.5	15054.9	18175.1
60°	15010.8	15295.9	15400.3	12721.8	11432.7	10930.8	10730.0	10360.6	10465.0	12368.4	15966.5
62.5°	12874.4	12858.3	13512.9	11533.1	7489.3	6441.2	6344.8	6429.2	7633.9	12175.7	15637.2
65°	10208.0	10481.0	10681.8	9774.3	5927.2	4782.7	4778.7	5312.8	6605.9	10175.8	12625.4
67.5°	6481.4	6838.8	7087.7	6252.5	3963.5	3405.3	3313.0	3955.5	4577.9	6674.1	7601.8
70°	3654.3	3823.0	3935.4	3606.1	2521.9	1766.9	1662.5	1815.1	2766.8	4320.9	4505.6
72.5°	1409.5	1485.8	1638.4	1650.5	951.7	570.2	461.8	554.2	1164.6	1710.7	1630.4
75°	216.8	232.9	329.3	393.5	273.1	208.8	220.9	228.9	325.3	441.7	369.4
77.5°	104.4	104.4	100.4	116.5	136.5	148.6	160.6	176.7	192.8	212.8	204.8
80°	68.3	68.3	68.3	80.3	100.4	120.5	136.5	144.6	152.6	168.7	160.6
82.5°	44.2	44.2	44.2	60.2	80.3	100.4	108.4	128.5	144.6	168.7	156.6
85°	24.1	24.1	24.1	40.2	60.2	84.3	80.3	64.3	36.1	4.0	8.0
87.5°	8.0	8.0	8.0	8.0	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°	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0
2.5°	12625.4	12440.7	12424.6	12047.2	11709.8	11545.2	11412.7	11043.2	11123.5	10910.7	10906.7
5°	12015.0	11637.6	11027.2	10525.2	10023.2	9922.8	9485.1	9103.6	9115.7	8842.6	8890.8
7.5°	10918.7	10657.7	9914.8	9127.7	8461.1	7987.3	7573.6	7324.7	7007.4	6899.0	6842.8
10°	10224.0	9902.8	9067.5	8079.6	7332.7	7079.7	6682.2	6461.3	6136.0	5975.4	5862.9
12.5°	9918.8	9449.0	8404.9	7401.0	6903.0	6642.0	6304.7	5903.1	5517.6	5369.0	5164.2
15°	9950.9	9388.7	8212.1	7127.9	6529.6	6023.6	5722.4	5276.7	4883.1	4622.1	4473.5
17.5°	10436.9	9754.2	8300.5	6919.1	6059.7	5425.2	4834.9	4353.0	4039.8	3843.0	3794.9
20°	11585.3	10657.7	8449.1	6581.8	5589.9	4798.8	4071.9	3570.0	3329.0	3325.0	3329.0
22.5°	12541.1	11621.5	8750.3	6381.0	5120.0	3995.6	3272.8	3112.2	3064.0	3164.4	3176.4
25°	13830.1	12705.7	9268.3	6276.6	4686.3	3405.3	2959.6	2899.3	2895.3	3023.8	3027.9
27.5°	15151.3	13653.4	9577.5	5971.4	4244.6	3100.1	2770.8	2758.8	2823.0	2959.6	2947.5
30°	16050.8	14448.6	10135.7	5605.9	3722.6	2831.1	2694.5	2710.6	2799.0	2903.4	2919.4
32.5°	17098.9	15231.6	10280.2	5405.2	3401.3	2606.2	2509.8	2546.0	2658.4	2823.0	2911.4
35°	18299.6	15785.8	10501.1	5132.1	3280.8	2433.5	2385.3	2425.5	2562.0	2670.5	2766.8
37.5°	19187.1	16765.6	10541.3	4919.3	3148.3	2337.1	2260.8	2393.4	2473.7	2626.3	2674.5
40°	19845.7	17476.4	10645.7	4786.7	3043.9	2212.7	2212.7	2301.0	2409.4	2550.0	2646.4
42.5°	20267.3	17994.4	10722.0	4666.3	2843.1	2176.5	2156.4	2244.8	2389.4	2525.9	2570.1
44°	20524.3	18215.3	10645.7	4553.8	2786.9	2132.3	2132.3	2208.6	2321.1	2481.7	2533.9
45°	20588.6	18492.4	10477.0	4549.8	2718.6	2080.1	2072.1	2216.7	2293.0	2489.7	2521.9
47.5°	20837.6	18833.7	10497.1	4421.3	2554.0	1955.7	2096.2	2160.5	2228.7	2401.4	2509.8
50°	20829.5	19046.6	10452.9	4232.6	2433.5	1815.1	2048.0	2120.3	2188.6	2365.3	2409.4
52.5°	20885.8	19841.7	10858.5	3931.4	2216.7	1634.4	1887.4	2048.0	2132.3	2280.9	2373.3
55°	20857.6	20295.4	11260.1	3706.5	1911.5	1526.0	1750.9	1939.6	2060.1	2216.7	2260.8
57.5°	19050.6	17938.2	10420.8	3284.9	1582.2	1397.5	1558.1	1827.2	1979.7	2140.4	2196.6
60°	15564.9	13826.1	8593.6	2417.5	1301.1	1285.0	1449.7	1791.0	1855.3	1995.8	2092.2
62.5°	14384.3	12127.5	6814.7	1847.2	1112.4	1176.6	1337.2	1618.3	1718.7	1891.4	1979.7
65°	11256.1	8055.5	4220.5	1248.9	979.8	1056.1	1208.7	1417.5	1582.2	1742.8	1847.2
67.5°	6666.1	4401.2	2088.2	875.4	855.3	935.7	1092.3	1248.9	1437.6	1614.3	1666.5
70°	3630.2	2164.5	891.5	666.6	726.8	799.1	951.7	1060.1	1240.9	1377.4	1465.7
72.5°	1164.6	658.6	445.7	493.9	554.2	638.5	730.9	863.4	991.9	1072.2	1144.5
75°	281.1	277.1	317.2	345.4	401.6	465.8	542.1	610.4	710.8	787.1	851.3
77.5°	196.8	212.8	245.0	285.1	305.2	329.3	377.5	429.7	473.9	530.1	570.2
80°	152.6	164.6	188.7	208.8	228.9	249.0	273.1	293.1	321.3	357.4	377.5
82.5°	144.6	152.6	176.7	188.7	180.7	176.7	192.8	200.8	204.8	216.8	228.9
85°	12.0	0.0	8.0	28.1	68.3	100.4	108.4	108.4	104.4	112.4	112.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	16.1	12.0
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°	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0
2.5°	10858.5	10722.0	10774.2	10838.4	10746.1	10533.2	10589.4	10565.4	10782.2	10766.1	10983.0
5°	9103.6	8890.8	8914.9	9228.1	9127.7	9236.2	9019.3	8991.2	9031.4	9051.4	9087.6
7.5°	6967.3	6939.2	7180.1	7445.1	7569.6	7441.1	7228.3	7180.1	7135.9	7047.6	7248.4
10°	5686.3	5694.3	5678.2	5879.0	6019.6	5991.5	5862.9	5846.9	5762.6	5730.4	5842.9
12.5°	5075.9	4967.4	4915.2	4851.0	4959.4	5031.7	4975.5	4935.3	4939.3	4979.5	4995.6
15°	4485.6	4417.3	4304.9	4232.6	4284.8	4248.6	4228.6	4308.9	4288.8	4280.8	4377.1
17.5°	3823.0	3879.2	3871.2	3790.8	3859.1	3831.0	3827.0	3770.8	3694.5	3638.2	3670.4
20°	3385.3	3489.7	3570.0	3574.0	3610.1	3606.1	3545.9	3373.2	3317.0	3304.9	3313.0
22.5°	3228.6	3284.9	3381.2	3517.8	3517.8	3453.5	3381.2	3180.4	3128.2	3072.0	3047.9
25°	3104.2	3212.6	3337.1	3353.1	3417.4	3357.1	3240.7	3140.3	3031.9	2955.6	2955.6
27.5°	3039.9	3160.4	3252.7	3280.8	3369.2	3321.0	3200.5	3072.0	2943.5	2939.5	2871.2
30°	3011.8	3124.2	3184.5	3252.7	3292.9	3216.6	3180.4	3043.9	2915.4	2883.3	2770.8
32.5°	2927.5	3088.1	3200.5	3184.5	3216.6	3184.5	3132.3	3019.8	2875.3	2803.0	2790.9
35°	2831.1	2991.7	3112.2	3196.5	3216.6	3148.3	3116.2	2963.6	2766.8	2730.7	2606.2
37.5°	2778.9	2875.3	3023.8	3160.4	3188.5	3152.3	3043.9	2887.3	2690.5	2650.4	2541.9
40°	2714.6	2839.1	2955.6	3068.0	3152.3	3064.0	2939.5	2786.9	2698.6	2578.1	2546.0
42.5°	2666.4	2807.0	2903.4	3027.9	3124.2	3007.8	2863.2	2758.8	2634.3	2554.0	2461.6
44°	2650.4	2778.9	2843.1	2995.7	3076.0	2987.7	2867.2	2758.8	2614.2	2541.9	2461.6
45°	2594.2	2770.8	2839.1	2975.6	3043.9	2971.6	2819.0	2710.6	2606.2	2517.9	2433.5
47.5°	2537.9	2658.4	2774.9	2883.3	2931.5	2907.4	2778.9	2646.4	2521.9	2469.7	2389.4
50°	2521.9	2642.3	2750.8	2851.2	2907.4	2859.2	2742.7	2614.2	2469.7	2385.3	2317.1
52.5°	2441.6	2590.1	2710.6	2742.7	2815.0	2786.9	2698.6	2558.0	2421.5	2349.2	2293.0
55°	2325.1	2481.7	2646.4	2686.5	2790.9	2746.8	2614.2	2481.7	2365.3	2256.8	2184.6
57.5°	2280.9	2433.5	2594.2	2646.4	2710.6	2638.3	2606.2	2465.7	2280.9	2224.7	2112.3
60°	2168.5	2361.2	2493.8	2614.2	2618.2	2598.2	2541.9	2381.3	2228.7	2124.3	2044.0
62.5°	2080.1	2260.8	2365.3	2477.7	2546.0	2489.7	2433.5	2284.9	2120.3	2003.8	1911.5
65°	1951.6	2116.3	2204.6	2272.9	2349.2	2341.2	2244.8	2136.4	1963.7	1871.3	1783.0
67.5°	1754.9	1899.4	2019.9	2084.2	2132.3	2120.3	2048.0	1971.7	1795.0	1702.7	1638.4
70°	1517.9	1666.5	1742.8	1779.0	1827.2	1851.2	1795.0	1758.9	1602.3	1481.8	1421.6
72.5°	1220.8	1317.2	1429.6	1461.7	1481.8	1497.9	1497.9	1465.7	1305.1	1256.9	1152.5
75°	899.5	975.8	1060.1	1060.1	1096.3	1100.3	1108.3	1088.3	967.8	903.5	879.4
77.5°	610.4	666.6	734.9	763.0	787.1	783.1	779.0	722.8	658.6	630.5	606.4
80°	397.6	453.8	485.9	522.0	546.1	542.1	550.2	510.0	481.9	433.7	441.7
82.5°	236.9	281.1	313.2	357.4	357.4	369.4	369.4	357.4	329.3	305.2	305.2
85°	112.4	148.6	168.7	196.8	212.8	216.8	192.8	164.6	136.5	124.5	136.5
87.5°	20.1	28.1	40.2	36.1	44.2	40.2	40.2	40.2	40.2	32.1	36.1
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: P532682

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0	12268.0
2.5°	10902.7	11103.5	11244.0	11476.9	11878.5	12199.8	12529.0	12774.0	12802.1	12874.4
5°	9220.1	9328.5	9685.9	10151.7	10481.0	11023.1	11372.5	12007.0	12243.9	12496.9
7.5°	7200.2	7376.9	7854.7	8168.0	8890.8	9569.5	10272.2	11055.3	11368.5	11404.6
10°	6071.8	6328.8	6654.0	7156.0	7549.6	8304.5	9179.9	10051.3	10400.7	10460.9
12.5°	5332.9	5662.2	6095.9	6457.3	6834.8	7493.3	8332.6	9408.8	9862.6	10135.7
15°	4622.1	4963.4	5441.3	5943.3	6276.6	7063.6	8051.5	9264.3	9854.6	10095.5
17.5°	3891.2	4208.5	4602.0	5144.1	5814.8	6698.2	8007.3	9746.1	10392.7	10673.8
20°	3264.8	3441.5	3899.3	4457.4	5296.7	6324.8	8023.4	10456.9	11404.6	11529.1
22.5°	3019.8	3060.0	3240.7	3754.7	4674.3	5943.3	8308.5	11464.9	12541.1	12950.7
25°	2831.1	2823.0	2871.2	3216.6	4220.5	5794.7	8589.6	12392.5	13802.0	14247.8
27.5°	2726.7	2646.4	2650.4	2975.6	3899.3	5553.7	8951.0	13456.7	15231.6	15428.4
30°	2674.5	2658.4	2610.2	2742.7	3549.9	5192.3	9011.3	14504.8	16074.9	16360.0
32.5°	2642.3	2485.7	2425.5	2473.7	3220.6	4798.8	9236.2	15195.5	17119.0	16994.5
35°	2481.7	2341.2	2301.0	2349.2	2987.7	4577.9	9087.6	15797.8	17902.1	18110.9
37.5°	2421.5	2297.0	2216.7	2176.5	2770.8	4393.2	9011.3	16725.5	18661.0	19163.0
40°	2365.3	2232.7	2136.4	2096.2	2602.2	4148.2	8987.2	17440.3	19536.5	19837.6
42.5°	2301.0	2216.7	2108.3	2036.0	2397.4	3903.3	8710.1	17661.1	19805.5	20130.8
44°	2280.9	2152.4	2040.0	2015.9	2317.1	3778.8	8653.9	17861.9	20038.4	20532.4
45°	2260.8	2140.4	2011.9	1979.7	2289.0	3710.5	8577.6	17910.1	20423.9	20516.3
47.5°	2204.6	2128.3	2003.8	1915.5	2228.7	3561.9	8348.7	17637.0	20030.4	20046.5
50°	2160.5	2072.1	1943.6	1770.9	2148.4	3437.5	8453.1	17536.6	19082.7	19118.8
52.5°	2112.3	1979.7	1907.5	1610.3	2015.9	3333.0	8674.0	17990.4	19191.1	19183.1
55°	2056.0	1911.5	1734.8	1473.8	1795.0	3200.5	9208.0	18885.9	20195.0	20331.6
57.5°	1967.7	1843.2	1590.2	1353.3	1542.0	2947.5	9035.4	17171.2	18580.7	18604.8
60°	1851.2	1734.8	1441.6	1260.9	1265.0	2325.1	8079.6	13380.4	14661.4	15010.8
62.5°	1738.8	1674.6	1317.2	1128.4	1076.2	1851.2	6830.7	11119.5	12585.3	12874.4
65°	1606.3	1449.7	1208.7	1028.0	923.6	1297.1	4838.9	8308.5	9818.4	10208.0
67.5°	1437.6	1269.0	1064.2	903.5	791.1	867.4	2497.8	4722.5	6252.5	6481.4
70°	1256.9	1100.3	895.5	763.0	638.5	598.3	1100.3	2252.8	3417.4	3654.3
72.5°	1032.0	887.5	714.8	602.4	477.9	413.6	369.4	602.4	1212.7	1409.5
75°	746.9	646.5	538.1	429.7	337.3	265.0	216.8	180.7	200.8	216.8
77.5°	550.2	469.8	397.6	305.2	236.9	188.7	148.6	112.4	108.4	104.4
80°	429.7	381.5	317.2	245.0	184.7	140.6	104.4	76.3	68.3	68.3
82.5°	337.3	313.2	261.0	200.8	152.6	112.4	76.3	52.2	44.2	44.2
85°	128.5	128.5	188.7	164.6	116.5	80.3	52.2	28.1	24.1	24.1
87.5°	32.1	32.1	32.1	32.1	28.1	24.1	24.1	12.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)