

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: P533462

Luminaire Tested: **GALN-SA8D-827-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533462
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-SA8D-827-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 1200mA 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: 34200 lumens
Efficiency: N/A
Efficacy: 69.4 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

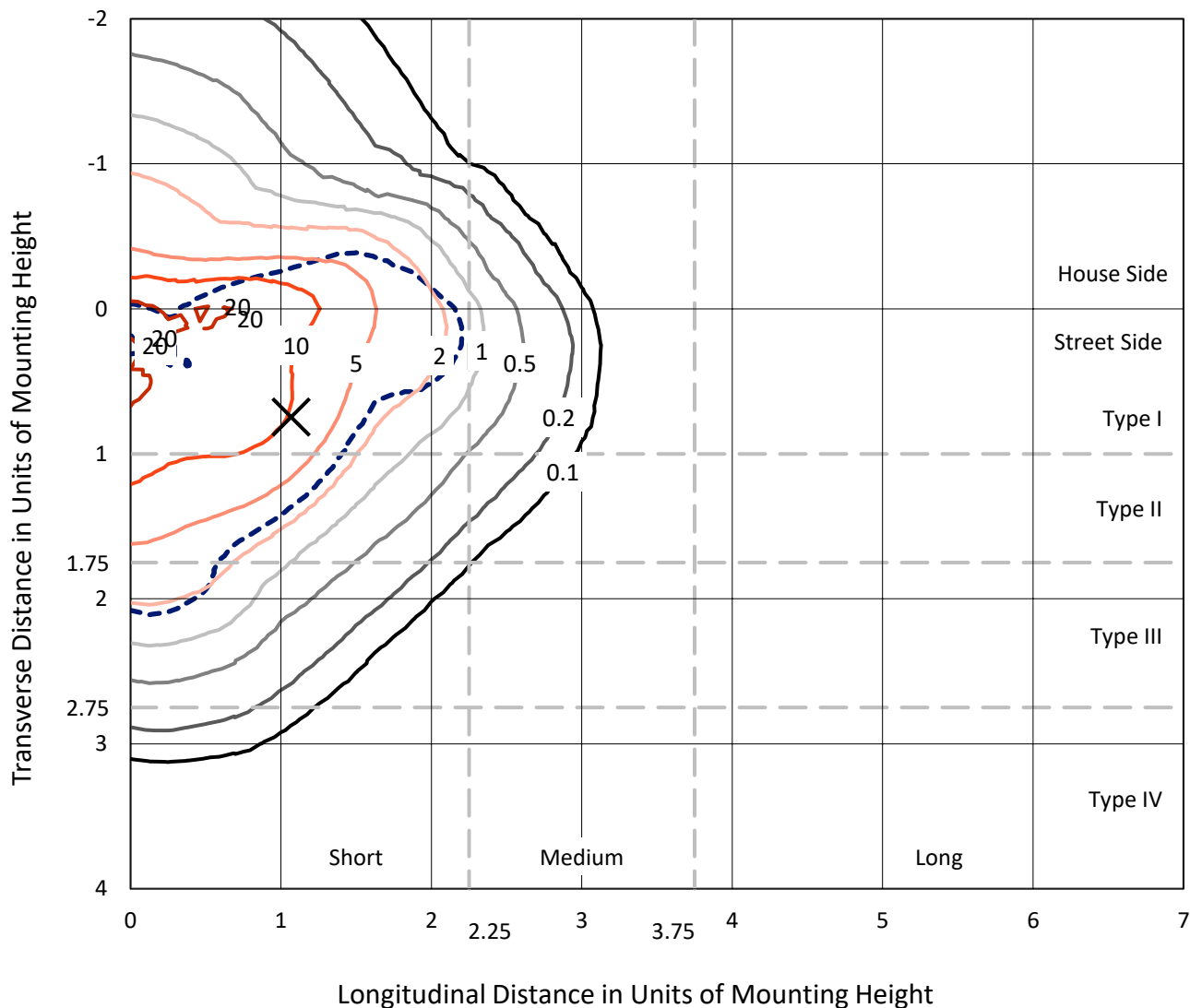
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

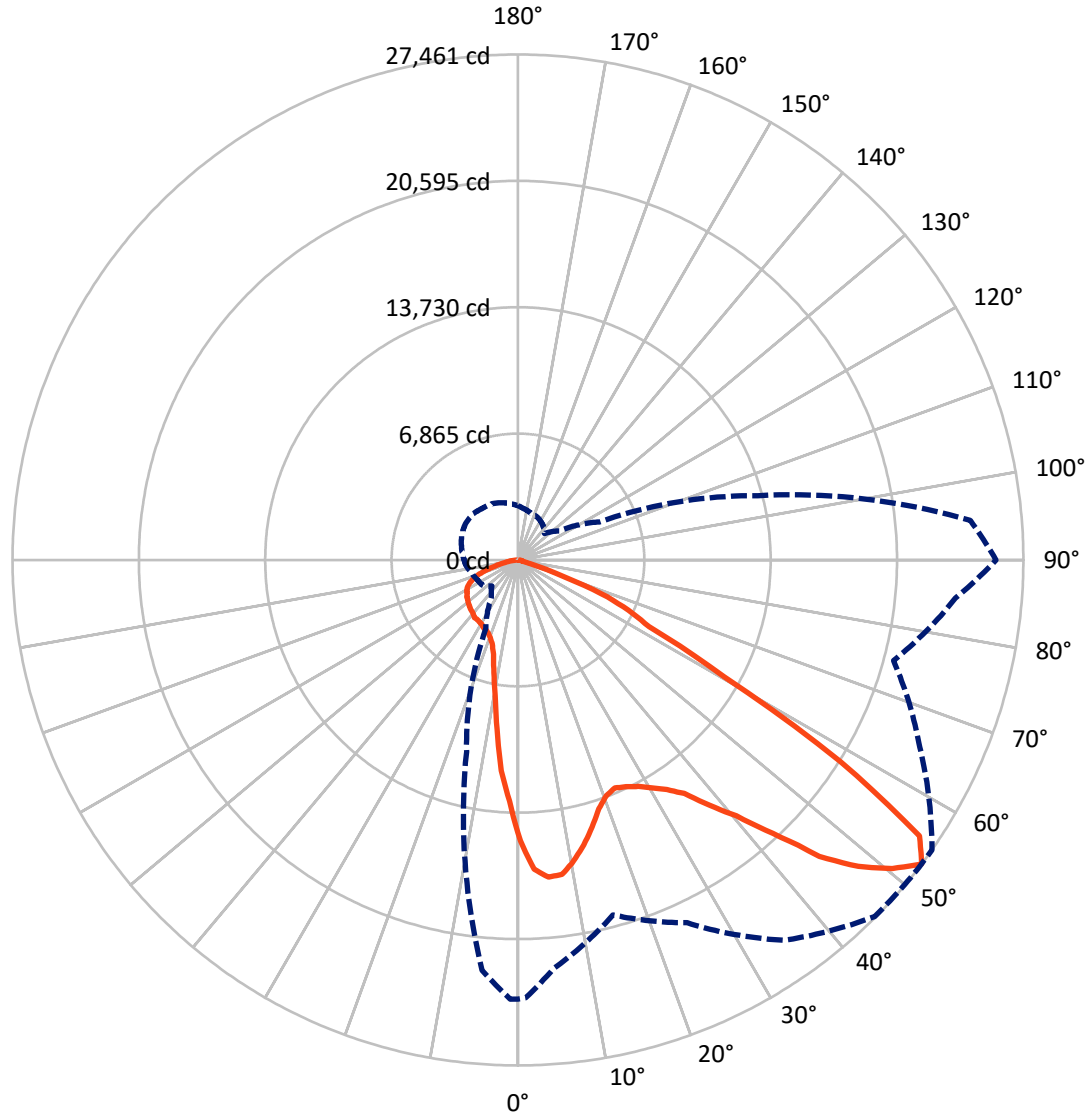
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.9 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	10432.9	0.0	10432.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	23767.1	0.0	23767.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	34200.0	0.0	34200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1165.5	3.4
10°-20°	2513.0	7.3
20°-30°	3810.5	11.1
30°-40°	5505.6	16.1
40°-50°	7357.0	21.5
50°-60°	8212.1	24.0
60°-70°	4504.7	13.2
70°-80°	973.9	2.8
80°-90°	157.5	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°	34200.0	100.0
0°-180°	34200.0	100.0

Coefficient of Utilization



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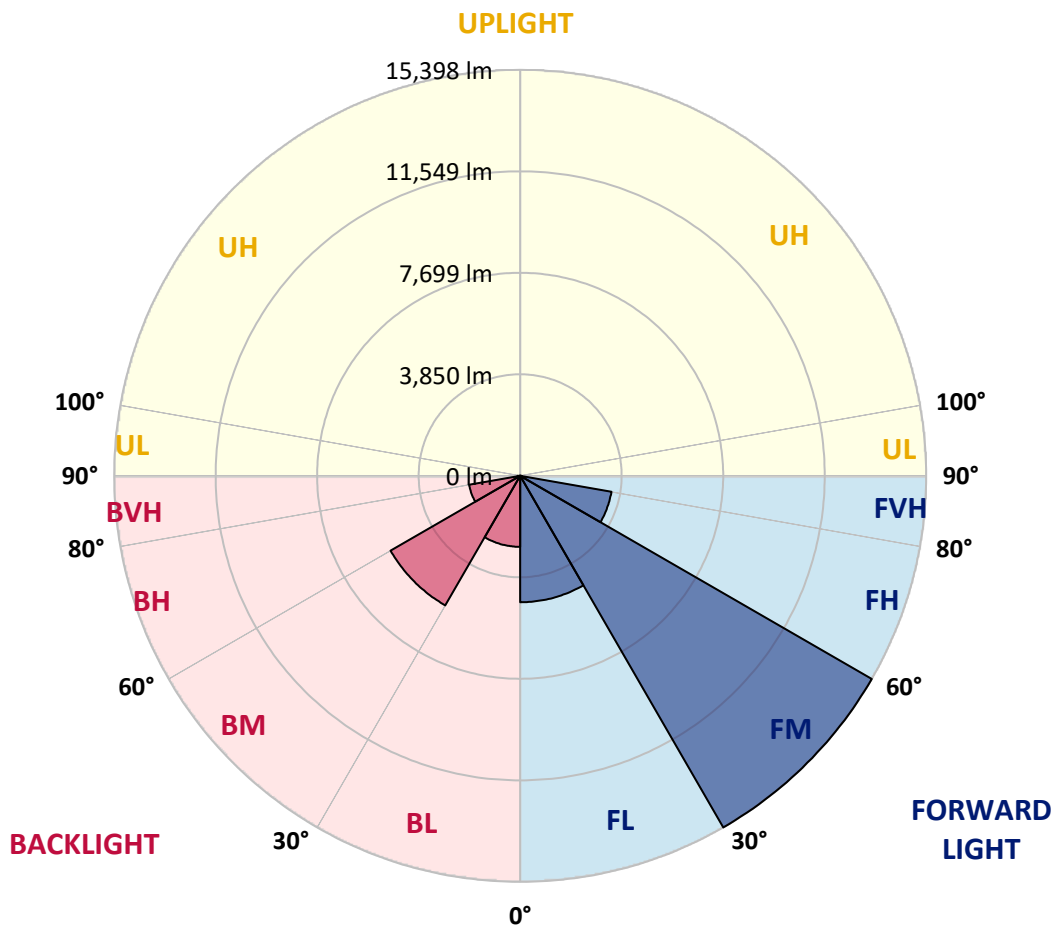
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4795.5	14.0			
FM (30°-60°)	15398.4	45.0			
FH (60°-80°)	3514.9	10.3			G2/5000
FVH (80°-90°)	58.3	0.2			G1/100
BL (0°-30°)	2693.6	7.9	B4/5000		
BM (30°-60°)	5676.3	16.6	B4/8500		
BH (60°-80°)	1963.7	5.7	B3/2500		G3/2500
BVH (80°-90°)	99.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8
2.5°	16009.9	15920.0	15999.9	16379.4	16599.2	16749.0	16843.9	16828.9	16469.3	16119.8	16119.8
5°	15540.5	15425.6	15590.4	16449.3	17313.3	17388.2	17513.0	17308.3	16778.9	16139.7	15340.7
7.5°	14182.2	14267.1	14541.7	15670.3	16793.9	17358.2	17508.0	17248.3	16389.4	15195.9	14022.4
10°	13008.7	13208.4	13842.6	15061.1	16094.8	16828.9	16993.7	16629.1	15950.0	14486.8	13438.1
12.5°	12604.2	12479.3	13183.4	14401.9	15390.7	15785.2	15860.1	15885.1	15425.6	14127.3	12848.9
15°	12554.2	12634.1	13183.4	14107.3	14716.5	14736.5	14861.3	15056.1	15116.0	14372.0	13123.5
17.5°	13273.3	13178.5	13742.7	14476.8	14187.2	13897.6	13927.5	14207.2	14701.5	14581.7	13987.4
20°	14337.0	14551.7	14996.2	14921.3	14142.2	13408.2	13413.2	13677.8	14651.6	15450.6	15190.9
22.5°	16104.8	16314.5	16644.1	15740.2	14142.2	13263.3	13093.6	13453.1	14971.2	16484.3	16549.2
25°	17717.8	18102.3	18192.2	17128.5	14851.4	13398.2	13288.3	13642.9	15290.8	17493.0	18107.3
27.5°	19185.9	19325.7	19720.2	18022.4	15245.9	13488.1	13478.1	13932.5	15695.3	17997.4	19500.5
30°	20344.5	20329.5	20554.2	18586.7	15875.1	13992.4	13508.0	14367.0	16224.6	18831.4	20788.9
32.5°	21133.5	21303.3	21777.7	19370.7	16139.7	14471.8	14092.3	14876.3	16868.8	19225.9	21697.8
35°	22521.7	22816.4	22217.1	19805.1	16978.7	14946.2	14501.8	15570.5	17188.4	19655.3	22811.4
37.5°	23830.1	23605.4	22996.1	20039.8	17523.0	15825.1	15410.7	16913.8	18182.2	20589.1	23550.4
40°	24669.0	24664.0	23580.4	20229.6	17907.5	17168.4	17143.5	18277.1	19400.6	21178.4	24379.4
42.5°	25033.6	25383.1	23820.1	20209.6	18716.5	18796.4	19300.8	20314.5	20264.6	21298.3	24359.4
44°	25532.9	25742.7	24234.6	20254.6	19255.8	19895.0	21083.5	21727.7	21018.6	21233.3	24334.4
45°	25513.0	25527.9	23645.3	20314.5	19715.2	20813.9	21877.5	22966.2	21682.8	21093.5	24664.0
47.5°	24928.7	24758.9	23145.9	19870.1	21148.4	23240.8	24224.6	24883.8	22501.7	20793.9	24254.5
50°	23775.1	23580.4	21932.5	19680.3	21448.1	24748.9	26107.2	26346.9	23245.8	20499.3	23850.1
52.5°	23855.0	23800.1	22277.0	19964.9	21747.7	25223.3	27400.6	27460.5	24089.8	21118.5	23855.0
55°	25283.3	25093.5	23265.8	20319.5	21528.0	24669.0	26576.6	26471.8	23805.1	20744.0	24294.5
57.5°	23136.0	23260.8	21897.5	18916.2	18841.3	20054.8	20893.8	20634.1	19865.1	18721.5	22601.6
60°	18666.6	19021.1	19151.0	15820.1	14217.1	13592.9	13343.2	12883.8	13013.7	15380.7	19855.1
62.5°	16009.9	15989.9	16803.9	14342.0	9313.3	8009.9	7890.1	7995.0	9493.1	15141.0	19445.6
65°	12694.1	13033.6	13283.3	12154.7	7370.7	5947.5	5942.5	6606.7	8214.7	12654.1	15700.3
67.5°	8059.9	8504.3	8813.9	7775.2	4928.8	4234.7	4119.8	4918.8	5692.9	8299.6	9453.1
70°	4544.3	4754.0	4893.9	4484.4	3136.1	2197.2	2067.4	2257.2	3440.7	5373.3	5603.0
72.5°	1752.8	1847.7	2037.4	2052.4	1183.5	709.1	574.3	689.1	1448.2	2127.3	2027.5
75°	269.7	289.6	409.5	489.4	339.6	259.7	274.7	284.6	404.5	549.3	459.4
77.5°	129.8	129.8	124.8	144.8	169.8	184.8	199.7	219.7	239.7	264.7	254.7
80°	84.9	84.9	84.9	99.9	124.8	149.8	169.8	179.8	189.8	209.7	199.7
82.5°	54.9	54.9	54.9	74.9	99.9	124.8	134.8	159.8	179.8	209.7	194.8
85°	30.0	30.0	30.0	49.9	74.9	104.9	99.9	79.9	44.9	5.0	10.0
87.5°	10.0	10.0	10.0	10.0	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°	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8
2.5°	15700.3	15470.6	15450.6	14981.2	14561.7	14357.0	14192.2	13732.8	13832.6	13568.0	13563.0
5°	14941.2	14471.8	13712.8	13088.6	12464.4	12339.5	11795.2	11320.8	11335.8	10996.2	11056.1
7.5°	13578.0	13253.4	12329.5	11350.7	10521.8	9932.5	9418.2	9108.6	8714.1	8579.2	8509.3
10°	12714.0	12314.5	11275.8	10047.4	9118.6	8803.9	8309.6	8034.9	7630.4	7430.7	7290.8
12.5°	12334.5	11750.2	10451.9	9203.4	8584.2	8259.6	7840.2	7340.8	6861.4	6676.6	6421.9
15°	12374.5	11675.3	10212.2	8863.9	8119.8	7490.6	7116.1	6561.8	6072.4	5747.8	5563.0
17.5°	12978.7	12129.8	10322.0	8604.2	7535.5	6746.5	6012.5	5413.2	5023.7	4779.0	4719.1
20°	14406.9	13253.4	10506.8	8184.7	6951.3	5967.5	5063.6	4439.4	4139.8	4134.8	4139.8
22.5°	15595.4	14451.9	10881.3	7935.0	6367.0	4968.8	4069.9	3870.1	3810.2	3935.1	3950.0
25°	17198.4	15800.2	11525.5	7805.2	5827.7	4234.7	3680.4	3605.5	3600.5	3760.3	3765.3
27.5°	18841.3	16978.7	11910.0	7425.7	5278.4	3855.2	3445.7	3430.7	3510.6	3680.4	3665.4
30°	19959.9	17967.4	12604.2	6971.2	4629.2	3520.6	3350.8	3370.8	3480.6	3610.5	3630.4
32.5°	21263.3	18941.2	12783.9	6721.6	4229.7	3240.9	3121.1	3166.0	3305.8	3510.6	3620.5
35°	22756.4	19630.4	13058.6	6382.0	4079.9	3026.2	2966.3	3016.2	3186.0	3320.8	3440.7
37.5°	23860.0	20848.8	13108.5	6117.3	3915.1	2906.4	2811.5	2976.3	3076.1	3265.9	3325.8
40°	24679.0	21732.7	13238.4	5952.5	3785.2	2751.5	2751.5	2861.4	2996.2	3171.0	3290.9
42.5°	25203.4	22376.9	13333.3	5802.7	3535.6	2706.6	2681.6	2791.5	2971.3	3141.1	3196.0
44°	25523.0	22651.6	13238.4	5662.9	3465.6	2651.7	2651.7	2746.6	2886.4	3086.1	3151.0
45°	25602.9	22996.1	13028.6	5657.9	3380.8	2586.8	2576.8	2756.5	2851.4	3096.1	3136.1
47.5°	25912.5	23420.6	13053.6	5498.1	3176.0	2431.9	2606.7	2686.6	2771.5	2986.3	3121.1
50°	25902.5	23685.3	12998.7	5263.4	3026.2	2257.2	2546.8	2636.7	2721.6	2941.3	2996.2
52.5°	25972.4	24674.0	13503.0	4888.9	2756.5	2032.4	2347.1	2546.8	2651.7	2836.4	2951.3
55°	25937.4	25238.3	14002.4	4609.2	2377.0	1897.6	2177.3	2412.0	2561.8	2756.5	2811.5
57.5°	23690.3	22307.0	12958.7	4084.9	1967.5	1737.8	1937.6	2272.1	2461.9	2661.7	2731.6
60°	19355.7	17193.4	10686.6	3006.2	1618.0	1598.0	1802.7	2227.2	2307.1	2481.9	2601.7
62.5°	17887.5	15081.1	8474.4	2297.1	1383.3	1463.2	1662.9	2012.5	2137.3	2352.0	2461.9
65°	13997.4	10017.4	5248.4	1553.1	1218.5	1313.4	1503.1	1762.8	1967.5	2167.3	2297.1
67.5°	8289.6	5473.1	2596.7	1088.6	1063.7	1163.5	1358.3	1553.1	1787.8	2007.5	2072.4
70°	4514.3	2691.6	1108.6	829.0	903.9	993.8	1183.5	1318.3	1543.1	1712.8	1822.7
72.5°	1448.2	819.0	554.3	614.2	689.1	794.0	908.9	1073.7	1233.5	1333.3	1423.2
75°	349.6	344.6	394.5	429.5	499.4	579.3	674.2	759.0	883.9	978.8	1058.7
77.5°	244.7	264.7	304.6	354.6	379.5	409.5	469.4	534.3	589.3	659.2	709.1
80°	189.8	204.7	234.7	259.7	284.6	309.6	339.6	364.5	399.5	444.4	469.4
82.5°	179.8	189.8	219.7	234.7	224.7	219.7	239.7	249.7	254.7	269.7	284.6
85°	15.0	0.0	10.0	35.0	84.9	124.8	134.8	134.8	129.8	139.8	139.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	20.0	15.0
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°	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8
2.5°	13503.0	13333.3	13398.2	13478.1	13363.2	13098.6	13168.5	13138.5	13408.2	13388.2	13657.9
5°	11320.8	11056.1	11086.1	11475.6	11350.7	11485.6	11215.9	11181.0	11230.9	11255.9	11300.8
7.5°	8664.1	8629.2	8928.8	9258.4	9413.2	9253.4	8988.7	8928.8	8873.9	8764.0	9013.7
10°	7071.1	7081.1	7061.1	7310.8	7485.6	7450.6	7290.8	7270.9	7166.0	7126.1	7265.9
12.5°	6312.1	6177.2	6112.3	6032.4	6167.3	6257.1	6187.2	6137.3	6142.3	6192.2	6212.2
15°	5578.0	5493.1	5353.3	5263.4	5328.3	5283.4	5258.4	5358.3	5333.3	5323.3	5443.2
17.5°	4754.0	4823.9	4814.0	4714.1	4799.0	4764.0	4759.0	4689.1	4594.2	4524.3	4564.3
20°	4209.7	4339.6	4439.4	4444.4	4489.4	4484.4	4409.5	4194.7	4124.8	4109.8	4119.8
22.5°	4015.0	4084.9	4204.7	4374.5	4374.5	4294.6	4204.7	3955.0	3890.1	3820.2	3790.2
25°	3860.2	3995.0	4149.8	4169.8	4249.7	4174.8	4029.9	3905.1	3770.3	3675.4	3675.4
27.5°	3780.3	3930.1	4044.9	4079.9	4189.7	4129.8	3980.0	3820.2	3660.4	3655.4	3570.5
30°	3745.3	3885.1	3960.0	4044.9	4094.9	4000.0	3955.0	3785.2	3625.4	3585.5	3445.7
32.5°	3640.4	3840.2	3980.0	3960.0	4000.0	3960.0	3895.1	3755.3	3575.5	3485.6	3470.6
35°	3520.6	3720.3	3870.1	3975.0	4000.0	3915.1	3875.1	3685.4	3440.7	3395.7	3240.9
37.5°	3455.7	3575.5	3760.3	3930.1	3965.0	3920.1	3785.2	3590.5	3345.8	3295.9	3161.0
40°	3375.8	3530.6	3675.4	3815.2	3920.1	3810.2	3655.4	3465.6	3355.8	3206.0	3166.0
42.5°	3315.8	3490.6	3610.5	3765.3	3885.1	3740.3	3560.5	3430.7	3275.9	3176.0	3061.2
44°	3295.9	3455.7	3535.6	3725.3	3825.2	3715.3	3565.5	3430.7	3250.9	3161.0	3061.2
45°	3225.9	3445.7	3530.6	3700.4	3785.2	3695.4	3505.6	3370.8	3240.9	3131.1	3026.2
47.5°	3156.0	3305.8	3450.7	3585.5	3645.4	3615.5	3455.7	3290.9	3136.1	3071.1	2971.3
50°	3136.1	3285.9	3420.7	3545.5	3615.5	3555.5	3410.7	3250.9	3071.1	2966.3	2881.4
52.5°	3036.2	3221.0	3370.8	3410.7	3500.6	3465.6	3355.8	3181.0	3011.2	2921.3	2851.4
55°	2891.4	3086.1	3290.9	3340.8	3470.6	3415.7	3250.9	3086.1	2941.3	2806.5	2716.6
57.5°	2836.4	3026.2	3225.9	3290.9	3370.8	3280.9	3240.9	3066.2	2836.4	2766.5	2626.7
60°	2696.6	2936.3	3101.1	3250.9	3255.9	3230.9	3161.0	2961.3	2771.5	2641.7	2541.8
62.5°	2586.8	2811.5	2941.3	3081.1	3166.0	3096.1	3026.2	2841.4	2636.7	2491.9	2377.0
65°	2427.0	2631.7	2741.6	2826.5	2921.3	2911.3	2791.5	2656.7	2441.9	2327.1	2217.2
67.5°	2182.3	2362.0	2511.8	2591.7	2651.7	2636.7	2546.8	2451.9	2232.2	2117.3	2037.4
70°	1887.6	2072.4	2167.3	2212.2	2272.1	2302.1	2232.2	2187.3	1992.5	1842.7	1767.8
72.5°	1518.1	1637.9	1777.8	1817.7	1842.7	1862.7	1862.7	1822.7	1623.0	1563.0	1433.2
75°	1118.6	1213.5	1318.3	1318.3	1363.3	1368.3	1378.3	1353.3	1203.5	1123.6	1093.6
77.5°	759.0	829.0	913.9	948.8	978.8	973.8	968.8	898.9	819.0	784.0	754.1
80°	494.4	564.3	604.2	649.2	679.1	674.2	684.1	634.2	599.2	539.3	549.3
82.5°	294.6	349.6	389.5	444.4	444.4	459.4	459.4	444.4	409.5	379.5	379.5
85°	139.8	184.8	209.7	244.7	264.7	269.7	239.7	204.7	169.8	154.8	169.8
87.5°	25.0	35.0	49.9	44.9	54.9	49.9	49.9	49.9	49.9	39.9	44.9
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: P533462

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8	15255.8
2.5°	13558.0	13807.7	13982.4	14272.1	14771.5	15171.0	15580.4	15885.1	15920.0	16009.9
5°	11465.6	11600.4	12044.9	12624.1	13033.6	13707.8	14142.2	14931.3	15225.9	15540.5
7.5°	8953.8	9173.5	9767.7	10157.2	11056.1	11900.1	12774.0	13747.7	14137.2	14182.2
10°	7550.5	7870.1	8274.6	8898.8	9388.2	10327.0	11415.7	12499.3	12933.8	13008.7
12.5°	6631.7	7041.2	7580.5	8029.9	8499.3	9318.3	10362.0	11700.3	12264.6	12604.2
15°	5747.8	6172.3	6766.5	7390.7	7805.2	8784.0	10012.4	11520.5	12254.6	12554.2
17.5°	4838.9	5233.4	5722.8	6397.0	7230.9	8329.5	9957.5	12119.8	12923.8	13273.3
20°	4059.9	4279.6	4848.9	5543.0	6586.7	7865.1	9977.5	13003.7	14182.2	14337.0
22.5°	3755.3	3805.2	4029.9	4669.1	5812.7	7390.7	10332.0	14257.1	15595.4	16104.8
25°	3520.6	3510.6	3570.5	4000.0	5248.4	7206.0	10681.6	15410.7	17163.5	17717.8
27.5°	3390.7	3290.9	3295.9	3700.4	4848.9	6906.3	11131.0	16734.0	18941.2	19185.9
30°	3325.8	3305.8	3245.9	3410.7	4414.5	6456.9	11205.9	18037.4	19989.9	20344.5
32.5°	3285.9	3091.1	3016.2	3076.1	4005.0	5967.5	11485.6	18896.3	21288.3	21133.5
35°	3086.1	2911.3	2861.4	2921.3	3715.3	5692.9	11300.8	19645.3	22262.0	22521.7
37.5°	3011.2	2856.4	2756.5	2706.6	3445.7	5463.1	11205.9	20798.9	23205.9	23830.1
40°	2941.3	2776.5	2656.7	2606.7	3235.9	5158.5	11176.0	21687.8	24294.5	24669.0
42.5°	2861.4	2756.5	2621.7	2531.8	2981.3	4853.9	10831.4	21962.4	24629.1	25033.6
44°	2836.4	2676.6	2536.8	2506.9	2881.4	4699.1	10761.5	22212.1	24918.7	25532.9
45°	2811.5	2661.7	2501.9	2461.9	2846.4	4614.2	10666.6	22272.0	25398.1	25513.0
47.5°	2741.6	2646.7	2491.9	2382.0	2771.5	4429.4	10382.0	21932.5	24908.7	24928.7
50°	2686.6	2576.8	2417.0	2202.2	2671.6	4274.6	10511.8	21807.6	23730.2	23775.1
52.5°	2626.7	2461.9	2372.0	2002.5	2506.9	4144.8	10786.5	22371.9	23865.0	23855.0
55°	2556.8	2377.0	2157.3	1832.7	2232.2	3980.0	11450.6	23485.5	25113.5	25283.3
57.5°	2446.9	2292.1	1977.5	1682.9	1917.6	3665.4	11235.9	21353.2	23106.0	23136.0
60°	2302.1	2157.3	1792.7	1568.0	1573.0	2891.4	10047.4	16639.1	18232.1	18666.6
62.5°	2162.3	2082.4	1637.9	1403.2	1338.3	2302.1	8494.3	13827.6	15650.4	16009.9
65°	1997.5	1802.7	1503.1	1278.4	1148.6	1613.0	6017.4	10332.0	12209.7	12694.1
67.5°	1787.8	1578.0	1323.3	1123.6	983.8	1078.6	3106.1	5872.6	7775.2	8059.9
70°	1563.0	1368.3	1113.6	948.8	794.0	744.1	1368.3	2801.5	4249.7	4544.3
72.5°	1283.4	1103.6	888.9	749.1	594.3	514.4	459.4	749.1	1508.1	1752.8
75°	928.8	804.0	669.2	534.3	419.5	329.6	269.7	224.7	249.7	269.7
77.5°	684.1	584.3	494.4	379.5	294.6	234.7	184.8	139.8	134.8	129.8
80°	534.3	474.4	394.5	304.6	229.7	174.8	129.8	94.9	84.9	84.9
82.5°	419.5	389.5	324.6	249.7	189.8	139.8	94.9	64.9	54.9	54.9
85°	159.8	159.8	234.7	204.7	144.8	99.9	64.9	35.0	30.0	30.0
87.5°	39.9	39.9	39.9	39.9	35.0	30.0	30.0	15.0	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)