

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: P457484

Luminaire Tested: **GALN-SA8D-750-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8D-750-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53846 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

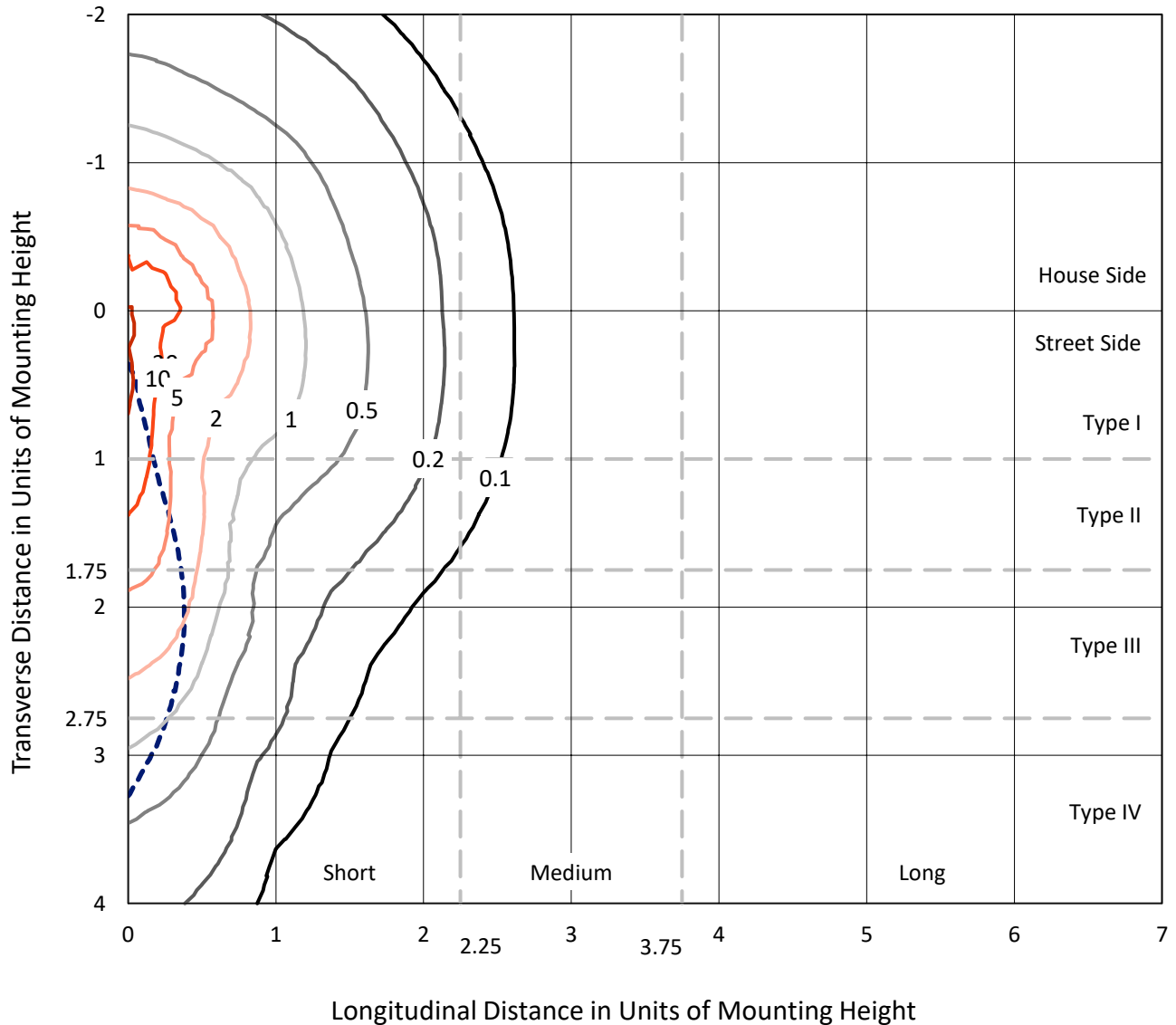
Input Watts (W): 493
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

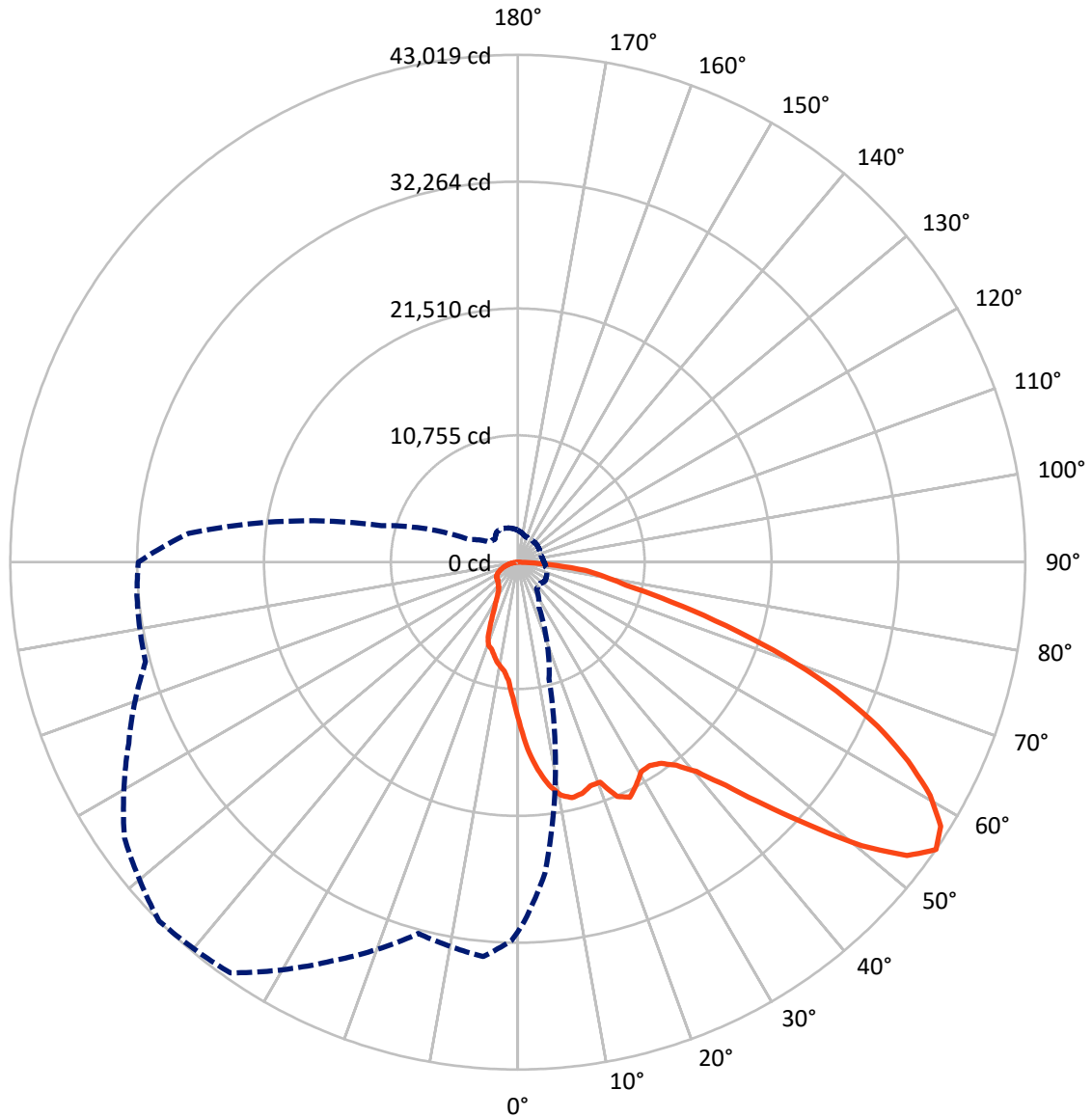
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11778.6	0.0	11778.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	42067.4	0.0	42067.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	53846.0	0.0	53846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1145.3	2.1
10°-20°	3038.5	5.6
20°-30°	5249.1	9.7
30°-40°	6100.3	11.3
40°-50°	8511.1	15.8
50°-60°	11548.7	21.4
60°-70°	10987.2	20.4
70°-80°	5935.6	11.0
80°-90°	1330.3	2.5
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°	53846.0	100.0
0°-180°	53846.0	100.0

Coefficient of Utilization



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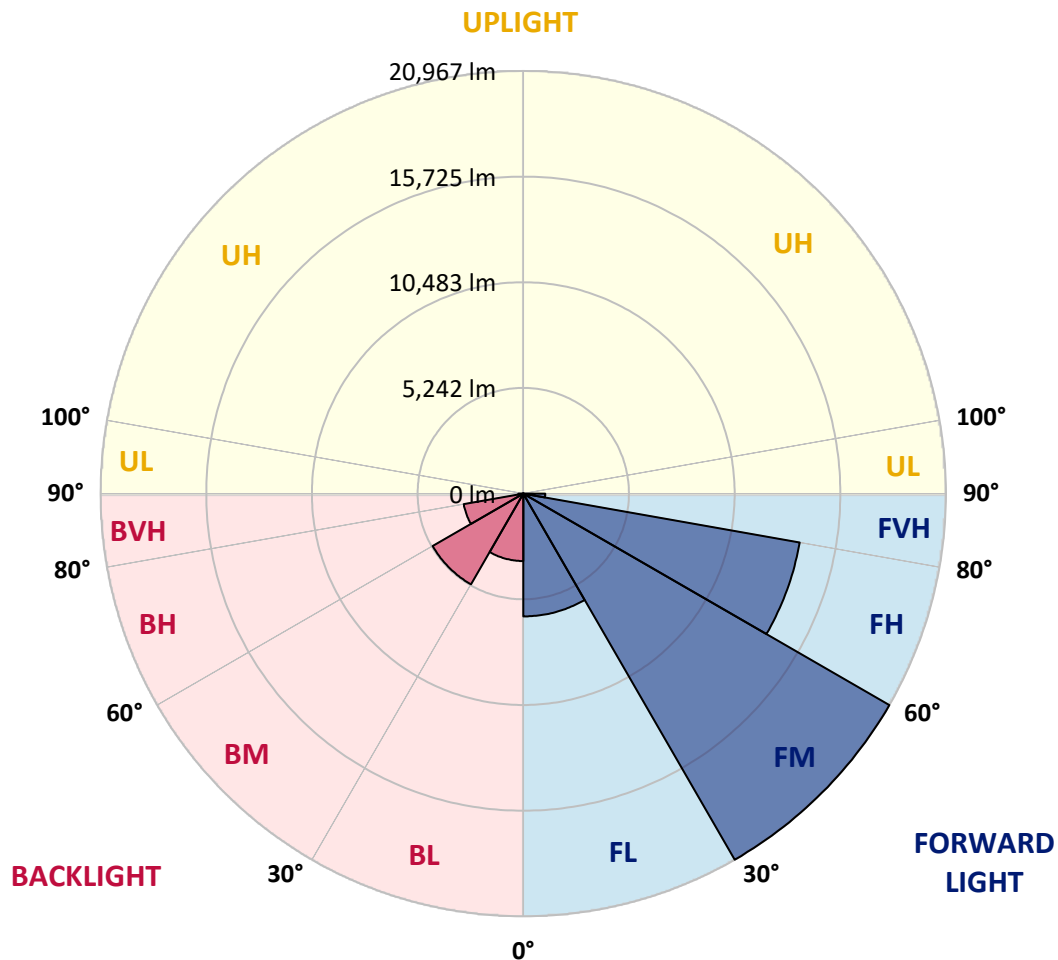
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6090.1	11.3			
FM	(30°-60°)	20966.5	38.9			
FH	(60°-80°)	13923.7	25.9			G5
FVH	(80°-90°)	1087.2	2.0			G5
BL	(0°-30°)	3342.8	6.2	B4/5000		
BM	(30°-60°)	5193.6	9.6	B4/8500		
BH	(60°-80°)	2999.1	5.6	B4/5000		G4/5000
BVH	(80°-90°)	243.1	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2
2.5°	15012.3	14955.5	14795.7	14376.5	13953.7	13523.9	13193.5	12781.5	12351.6	12120.7	11825.9
5°	15218.4	15154.4	14777.9	13833.0	12976.8	12078.1	11360.5	10731.7	10476.0	10099.4	9797.5
7.5°	14735.3	14706.8	14142.0	12785.0	11612.7	10436.9	9623.4	9119.0	8660.7	8490.2	8525.7
10°	14294.8	14181.1	13474.2	11701.5	10333.9	9378.3	8795.7	8301.9	7978.6	7893.4	7911.1
12.5°	13928.9	13776.1	12941.3	10973.3	9776.1	9012.4	8269.9	7754.8	7460.0	7541.7	7818.8
15°	13854.3	13648.2	12717.5	10724.6	9470.6	8486.6	7673.1	7079.9	6859.6	7037.3	7481.3
17.5°	14337.4	14078.1	13101.2	10806.3	9179.3	7950.2	6952.0	6273.5	6088.8	6373.0	6952.0
20°	15889.8	15506.1	14298.3	11278.8	9150.9	7683.8	6532.8	5850.8	5928.9	6468.9	7072.8
22.5°	18760.1	18184.6	16394.2	11968.0	9300.1	7616.3	6447.6	6092.3	6522.2	6980.4	7378.3
25°	19328.5	18877.3	16770.8	12124.3	9268.2	7570.1	6689.1	6866.7	7346.3	7573.7	7435.1
27.5°	19648.2	19133.1	16745.9	11349.8	8287.7	6866.7	6394.3	6689.1	6809.9	6589.7	6213.1
30°	20394.2	19857.8	17168.6	10536.4	6824.1	5094.1	4465.3	4344.6	4426.3	4468.9	4333.9
32.5°	21420.8	20891.5	17964.4	10003.5	5900.5	4213.1	3595.0	3424.5	3385.4	3339.2	3285.9
35°	22749.4	21935.9	18745.9	9662.5	5520.4	3897.0	3328.6	3197.1	3143.9	3079.9	3023.1
37.5°	24099.3	23246.8	19733.5	9303.7	5268.2	3676.7	3151.0	3090.6	2998.2	2930.7	2849.0
40°	25534.5	24578.9	20632.2	8991.1	5023.1	3534.6	3023.1	3016.0	2895.2	2817.0	2721.1
42.5°	26777.8	25793.8	21435.0	8799.2	4834.8	3385.4	2944.9	2966.2	2841.9	2724.7	2600.3
45°	27765.4	26799.1	22177.5	8799.2	4682.0	3236.2	2930.7	2916.5	2792.2	2646.5	2504.4
47.5°	28632.2	27633.9	22902.2	9023.0	4586.1	3111.9	2852.6	2877.4	2749.5	2564.8	2426.3
50°	29303.6	28422.6	23879.1	9371.2	4490.2	3012.4	2753.1	2888.1	2714.0	2522.2	2362.3
52.5°	30159.7	29371.1	25054.9	9847.2	4408.5	2902.3	2664.3	2888.1	2710.5	2525.7	2351.7
55°	31346.2	30514.9	26472.3	10241.5	4277.1	2799.3	2586.1	2806.4	2699.8	2508.0	2323.3
57.5°	32177.4	31555.8	27474.1	10504.4	4088.8	2667.8	2515.1	2728.2	2653.6	2440.5	2238.0
58°	32216.5	31609.1	27619.7	10564.8	4042.6	2643.0	2497.3	2692.7	2632.3	2412.1	2209.6
60°	31768.9	31246.7	27648.2	10479.5	3779.7	2518.6	2405.0	2547.1	2518.6	2245.1	2056.8
62.5°	30141.9	29584.2	26500.7	9786.8	3431.6	2365.9	2262.9	2351.7	2287.7	2010.6	1836.6
65°	27829.3	26802.7	24142.0	8699.8	3182.9	2202.5	2071.0	2078.1	2010.6	1811.7	1659.0
67.5°	24749.4	23602.0	20440.4	7332.1	2994.7	2021.3	1843.7	1825.9	1744.2	1616.3	1492.0
70°	20959.0	20173.9	16610.9	5964.4	2785.1	1822.4	1587.9	1577.3	1527.5	1431.6	1321.5
72.5°	16987.5	15989.2	13413.8	4774.4	2529.3	1630.5	1349.9	1371.2	1307.3	1239.8	1140.3
75°	12536.3	11882.7	10369.4	3829.5	2184.7	1421.0	1126.1	1133.2	1104.8	1033.7	955.6
77.5°	8255.7	8060.3	7417.4	2515.1	1680.3	1129.7	920.1	927.2	905.9	841.9	760.2
80°	5555.9	5424.5	5026.6	1619.9	1122.6	817.0	710.5	717.6	714.0	646.5	536.4
82.5°	3424.5	3367.7	3239.8	1094.1	778.0	586.1	468.9	490.2	529.3	454.7	365.9
85°	1616.3	1619.9	1957.4	596.8	458.3	376.6	255.8	273.5	273.5	273.5	206.0
87.5°	209.6	220.2	270.0	252.2	167.0	142.1	92.4	78.2	67.5	88.8	63.9
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°	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2
2.5°	11722.8	11651.8	11499.0	11463.5	11442.2	11502.6	11342.7	11385.4	11314.3	11513.3	11481.3
5°	9815.2	9822.3	9946.7	10028.4	10056.8	10028.4	9921.8	9737.1	9595.0	9538.1	9552.3
7.5°	8458.2	8582.5	8795.7	9033.7	9250.4	9314.3	9253.9	8902.3	8518.6	8277.0	8198.9
10°	8007.1	8174.0	8419.1	8607.4	8799.2	8952.0	8984.0	8710.4	8255.7	7683.8	7460.0
12.5°	8031.9	8259.3	8493.7	8554.1	8536.4	8596.8	8568.3	8522.2	8223.8	7495.5	7122.5
15°	7797.5	8067.4	8230.9	8198.9	8142.0	8088.8	8014.2	7896.9	7790.4	7278.8	6866.7
17.5°	7257.5	7534.6	7669.6	7680.2	7680.2	7666.0	7484.9	7442.2	7428.0	7179.4	6927.1
20°	7357.0	7509.7	7449.3	7349.9	7378.3	7474.2	7367.6	7346.3	7428.0	7538.1	7492.0
22.5°	7413.8	7360.5	6905.8	6465.3	6365.9	6664.3	6724.6	6962.7	7293.0	7690.9	7950.2
25°	7062.1	6632.3	5818.8	5321.5	5040.8	5317.9	5680.3	6120.7	6614.5	7126.1	7428.0
27.5°	5904.1	5577.2	4994.6	4547.0	4301.9	4344.6	4653.6	5055.0	5513.3	5857.9	6078.1
30°	4447.6	4301.9	4000.0	3847.2	3698.0	3662.5	3793.9	3946.7	4149.2	4191.8	4248.6
32.5°	3275.3	3254.0	3271.7	3222.0	3193.6	3190.0	3151.0	3186.5	3207.8	3232.7	3182.9
35°	2962.7	2934.3	2884.5	2870.3	2852.6	2859.7	2841.9	2824.1	2838.3	2859.7	2873.9
37.5°	2802.8	2760.2	2689.1	2664.3	2664.3	2674.9	2646.5	2639.4	2664.3	2731.8	2767.3
40°	2678.5	2628.8	2547.1	2515.1	2536.4	2564.8	2525.7	2511.5	2571.9	2643.0	2699.8
42.5°	2561.3	2522.2	2444.0	2408.5	2426.3	2479.6	2422.7	2412.1	2490.2	2568.4	2635.9
45°	2461.8	2422.7	2351.7	2333.9	2341.0	2390.7	2351.7	2351.7	2426.3	2511.5	2571.9
47.5°	2383.6	2333.9	2287.7	2273.5	2280.6	2309.0	2301.9	2301.9	2373.0	2461.8	2522.2
50°	2305.5	2262.9	2202.5	2209.6	2227.3	2266.4	2262.9	2273.5	2344.6	2454.7	2518.6
52.5°	2270.0	2206.0	2138.5	2145.6	2198.9	2245.1	2230.9	2241.5	2323.3	2529.3	2621.7
55°	2230.9	2145.6	2067.5	2078.1	2138.5	2206.0	2188.3	2202.5	2298.4	2579.0	2706.9
57.5°	2156.3	2056.8	1971.6	1978.7	2067.5	2138.5	2110.1	2127.9	2241.5	2525.7	2660.7
58°	2124.3	2039.1	1957.4	1960.9	2046.2	2124.3	2092.4	2106.6	2223.8	2511.5	2639.4
60°	1989.3	1939.6	1868.6	1872.1	1953.8	2021.3	2003.5	2017.8	2131.4	2408.5	2504.4
62.5°	1804.6	1776.2	1758.4	1758.4	1808.2	1872.1	1889.9	1907.6	2010.6	2177.6	2262.9
65°	1605.7	1605.7	1609.2	1609.2	1641.2	1722.9	1733.6	1779.7	1875.7	1957.4	2021.3
67.5°	1470.7	1463.6	1470.7	1452.9	1467.1	1516.9	1570.2	1612.8	1712.2	1769.1	1790.4
70°	1296.6	1293.1	1296.6	1271.8	1289.5	1332.1	1367.7	1438.7	1541.7	1584.4	1595.0
72.5°	1126.1	1126.1	1133.2	1115.4	1115.4	1161.6	1186.5	1264.6	1360.6	1385.4	1389.0
75°	948.5	959.1	959.1	934.3	941.4	969.8	1001.8	1065.7	1154.5	1172.3	1172.3
77.5°	753.1	792.2	792.2	767.3	778.0	781.5	824.2	856.1	923.6	930.7	902.3
80°	547.1	586.1	618.1	596.8	614.6	593.2	618.1	639.4	706.9	675.0	628.8
82.5°	390.8	419.2	444.0	447.6	429.8	390.8	422.7	426.3	458.3	415.6	390.8
85°	216.7	241.6	273.5	259.3	230.9	206.0	216.7	223.8	220.2	209.6	195.4
87.5°	56.8	60.4	67.5	49.7	46.2	39.1	53.3	53.3	60.4	63.9	60.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2
2.5°	11506.1	11662.5	11999.9	12255.7	12568.3	12948.4	13396.0	13847.2	14333.8	14486.6	14699.7
5°	9520.4	9911.1	10074.5	10539.9	11001.7	11694.4	12433.3	13289.4	14227.3	14678.4	15111.8
7.5°	8134.9	8344.5	8515.0	8856.1	9410.2	10252.2	11179.3	12248.6	13577.2	14234.4	14870.3
10°	7388.9	7410.3	7619.8	8042.6	8525.7	9268.2	10145.6	11342.7	12824.1	13623.4	14369.4
12.5°	6895.2	6802.8	7030.2	7470.6	8017.7	8703.3	9509.7	10650.0	12280.6	13101.2	14003.5
15°	6461.8	6316.1	6486.6	6937.8	7477.8	8284.1	9150.9	10358.7	12067.4	13023.0	14024.8
17.5°	6472.4	6071.0	6131.4	6511.5	7047.9	7868.5	8920.0	10348.1	12390.7	13491.9	14678.4
20°	7271.7	6628.7	6355.2	6426.3	6944.9	7840.1	9026.6	10845.4	13452.9	15058.5	16326.7
22.5°	8056.8	7669.6	7229.1	7083.4	7367.6	8305.5	9705.1	12021.2	15761.9	18181.1	20472.3
25°	7783.3	8113.6	8003.5	7797.5	7861.4	8639.4	10166.9	12987.5	17555.8	20280.5	22433.3
27.5°	6227.3	6827.7	6948.4	6944.9	6969.8	7609.2	9143.8	12337.4	17779.6	20681.9	22738.8
30°	4376.5	4429.8	4493.8	4618.1	4731.8	5303.7	7154.5	10831.2	17680.2	20863.1	22923.5
32.5°	3158.1	3229.1	3317.9	3488.4	3758.4	4486.7	6259.3	10351.6	18205.9	21612.7	23463.5
35°	2888.1	2969.8	3055.0	3250.4	3506.2	4181.1	5904.1	10152.7	19069.2	22827.6	24433.2
37.5°	2802.8	2895.2	2969.8	3111.9	3317.9	3960.9	5580.8	10017.7	19953.7	24113.5	25733.4
40°	2742.4	2849.0	2909.4	3023.1	3165.2	3758.4	5293.0	9911.1	20809.8	25289.4	26777.8
42.5°	2689.1	2799.3	2877.4	2959.1	3076.4	3577.2	5037.3	9804.6	21552.3	26429.7	27818.7
45°	2625.2	2763.7	2863.2	2927.2	3030.2	3424.5	4841.9	9719.3	22397.7	27442.1	28870.2
47.5°	2571.9	2724.7	2849.0	2923.6	2962.7	3317.9	4685.6	9836.5	23413.7	28500.7	29847.1
50°	2575.5	2721.1	2877.4	2994.7	2891.6	3229.1	4589.7	10301.9	24735.2	29758.3	30617.9
52.5°	2689.1	2866.8	2991.1	3019.5	2792.2	3122.5	4539.9	11115.4	26298.2	30870.2	31395.9
55°	2817.0	3001.8	3136.7	3119.0	2738.9	2987.5	4529.3	11982.2	28010.5	32166.8	32408.3
57.5°	2770.9	3040.8	3246.9	3154.5	2742.4	2856.1	4483.1	12682.0	29442.1	33136.6	33410.1
58°	2756.6	3026.6	3261.1	3147.4	2731.8	2817.0	4472.4	12742.4	29641.0	33204.1	33552.2
60°	2618.1	2902.3	3250.4	3094.1	2671.4	2710.5	4355.2	12937.8	29587.7	32855.9	33637.5
62.5°	2365.9	2600.3	3005.3	2834.8	2486.7	2568.4	4092.3	12696.2	28145.5	31179.2	32390.6
65°	2081.7	2255.8	2525.7	2493.8	2223.8	2422.7	3733.5	11740.6	25257.4	28458.1	29733.4
67.5°	1868.6	2010.6	2181.2	2135.0	2000.0	2227.3	3346.3	10124.3	22017.6	25189.9	26795.6
70°	1651.9	1762.0	1847.2	1815.3	1772.6	2035.5	3001.8	8216.6	18912.9	22085.1	23641.1
72.5°	1431.6	1534.6	1605.7	1559.5	1534.6	1833.0	2721.1	6376.5	14937.7	18220.1	20220.1
75°	1197.2	1300.2	1349.9	1296.6	1282.4	1616.3	2305.5	4763.7	11207.7	14046.1	15772.6
77.5°	927.2	1037.3	1101.2	1083.5	1090.6	1328.6	1861.4	3261.1	8014.2	9573.7	11392.5
80°	650.1	770.9	813.5	795.7	845.5	1012.4	1314.4	2071.0	5527.5	6213.1	7495.5
82.5°	401.4	515.1	522.2	540.0	575.5	749.6	991.1	1261.1	3470.7	3587.9	4518.6
85°	202.5	245.1	262.9	291.3	323.3	458.3	564.8	781.5	2234.4	1690.9	2525.7
87.5°	67.5	71.0	85.3	106.6	131.4	188.3	241.6	319.7	554.2	305.5	781.5
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: P457484

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2	13513.2
2.5°	15129.6	15431.5	15651.8	15854.3	15658.9	15641.1	15449.3	15140.2	15012.3	15012.3
5°	16021.2	16728.1	17300.1	17666.0	17509.7	17133.1	16511.4	15719.3	15293.0	15218.4
7.5°	16266.3	17662.4	18724.6	19101.1	18838.3	18007.0	16817.0	15481.3	14870.3	14735.3
10°	16117.1	17932.4	19491.9	20088.7	19722.8	18465.3	16841.8	15204.2	14451.1	14294.8
12.5°	15960.8	17967.9	19634.0	20497.2	20259.2	18834.7	17023.0	15023.0	14152.7	13928.9
15°	16074.5	17982.1	19459.9	20351.6	20504.3	19278.8	17321.4	15154.4	14092.3	13854.3
17.5°	16792.1	18252.1	19211.3	19932.4	20468.8	19882.7	18170.4	15783.2	14632.2	14337.4
20°	18291.2	18898.6	19353.4	19911.1	20774.3	21115.3	19907.5	17509.7	16149.1	15889.8
22.5°	22632.2	22522.1	21591.3	21580.7	22831.1	24198.8	24117.1	21019.4	18973.2	18760.1
25°	24259.2	23747.6	22401.3	22074.5	22625.1	24735.2	24429.7	21737.0	19847.1	19328.5
27.5°	23623.3	22355.1	21470.6	21396.0	21214.8	23207.7	23943.0	22028.3	20152.6	19648.2
30°	23584.2	21719.2	20454.6	20603.8	20777.9	22681.9	24213.0	22941.3	20934.2	20394.2
32.5°	23680.1	21808.0	20529.2	20557.6	21076.3	22760.1	24511.4	23935.9	21960.8	21420.8
35°	24067.4	22312.5	21005.2	20937.7	21747.7	23271.6	25019.4	25499.0	23364.0	22749.4
37.5°	24692.6	23317.8	21875.5	21857.8	23033.6	24195.2	25651.7	27076.2	24760.1	24099.3
40°	25612.6	24493.6	23424.4	23328.5	24781.4	25697.9	26472.3	28756.5	26383.5	25534.5
42.5°	26724.5	25903.9	25467.0	25847.1	27243.2	27385.3	27751.2	30308.9	27765.4	26777.8
45°	27754.7	27715.6	28323.1	29332.0	30145.5	29292.9	29086.9	31349.7	28838.2	27765.4
47.5°	28980.3	30038.9	31871.9	33349.7	34202.3	31513.1	30227.2	32028.2	29619.7	28632.2
50°	30223.6	32820.4	35747.6	37807.9	37989.1	33925.2	31012.3	32667.7	30330.2	29303.6
52.5°	31530.9	35040.6	38937.6	41331.9	40980.2	36024.7	31772.5	33101.1	31062.0	30159.7
55°	32667.7	36401.2	40720.9	43019.3	42504.2	37303.5	32593.1	33570.0	32106.4	31346.2
57.5°	33303.5	36514.9	40276.9	42283.9	41726.2	37054.8	32969.6	33918.1	32774.2	32177.4
58°	33395.9	36362.1	39882.5	41857.7	41289.3	36845.3	32966.1	33903.9	32816.9	32216.5
60°	33314.2	35371.0	38415.4	40173.8	39577.0	35530.9	32831.1	33637.5	32276.9	31768.9
62.5°	32557.5	33651.7	35882.6	37161.4	36990.9	33477.6	32276.9	32632.1	30632.1	30141.9
65°	31562.9	31307.1	32639.2	33545.1	33673.0	31939.4	31726.3	30458.1	28522.0	27829.3
67.5°	30355.1	28649.9	28646.4	29161.5	29374.6	29573.5	30578.9	28095.8	25481.2	24749.4
70°	28305.3	24554.0	23424.4	24031.8	23854.2	25534.5	28529.1	24777.8	21815.1	20959.0
72.5°	24546.9	19484.8	17676.6	18458.2	18010.6	20024.7	24962.6	20390.6	18039.0	16987.5
75°	19896.9	14575.4	12710.4	13428.0	13150.9	15190.0	20770.7	14809.9	12937.8	12536.3
77.5°	15449.3	10561.2	9477.7	9378.3	9584.3	11303.7	15236.1	9999.9	8529.3	8255.7
80°	9925.3	7559.5	7623.4	7495.5	7602.1	7126.1	9250.4	6380.1	5776.2	5555.9
82.5°	6532.8	5268.2	6280.6	5797.5	5506.2	4792.2	6067.5	4177.6	3545.3	3424.5
85°	4451.1	3879.2	3531.1	2699.8	3179.4	3690.9	4550.6	2248.7	1783.3	1616.3
87.5°	2010.6	1349.9	991.1	611.0	966.2	1115.4	2209.6	262.9	202.5	209.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)