

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: P456585

Luminaire Tested: **GALN-SA7D-760-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456585
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-SA7D-760-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 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: 46445 lumens
Efficiency: N/A
Efficacy: 107.3 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

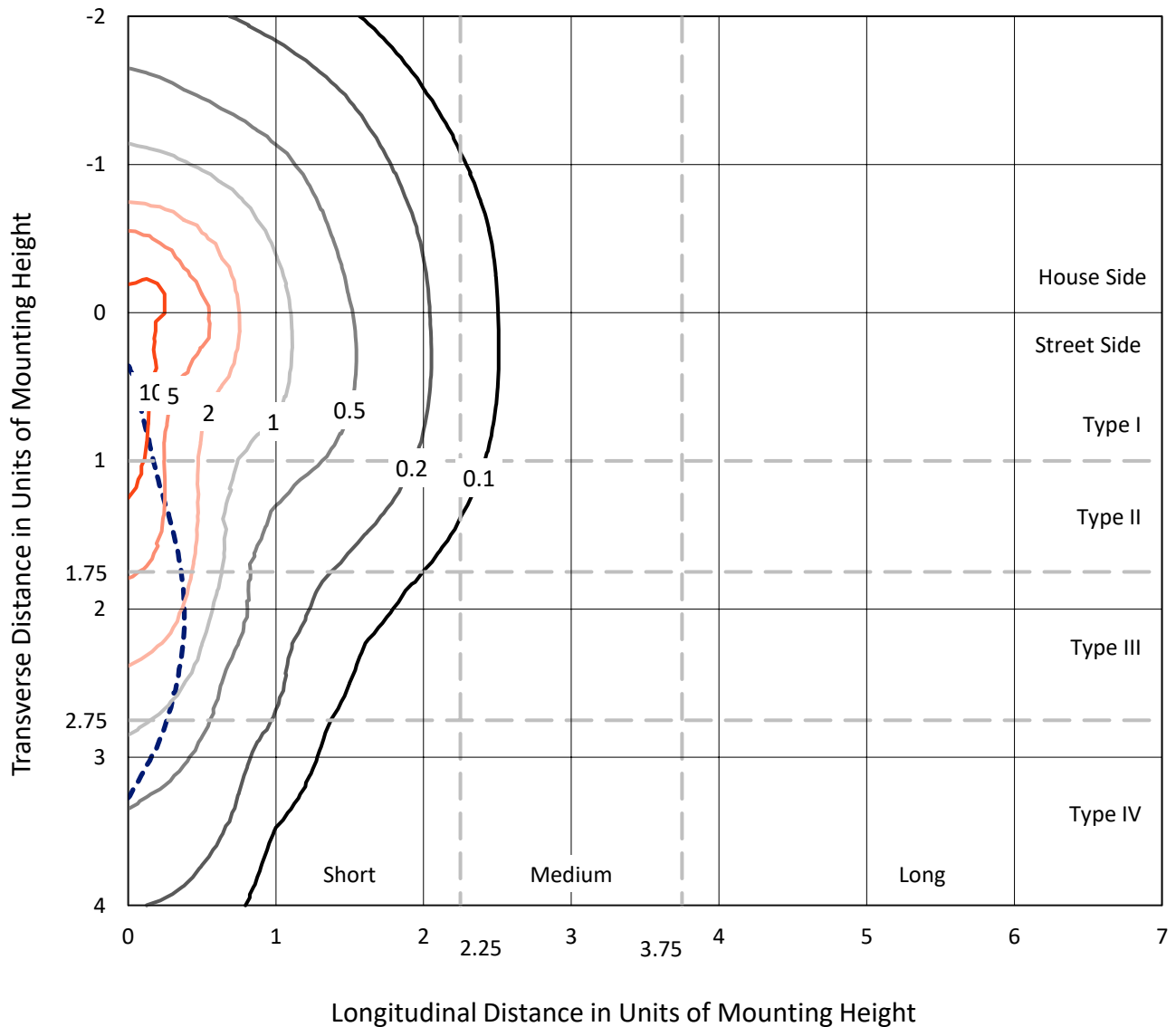
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

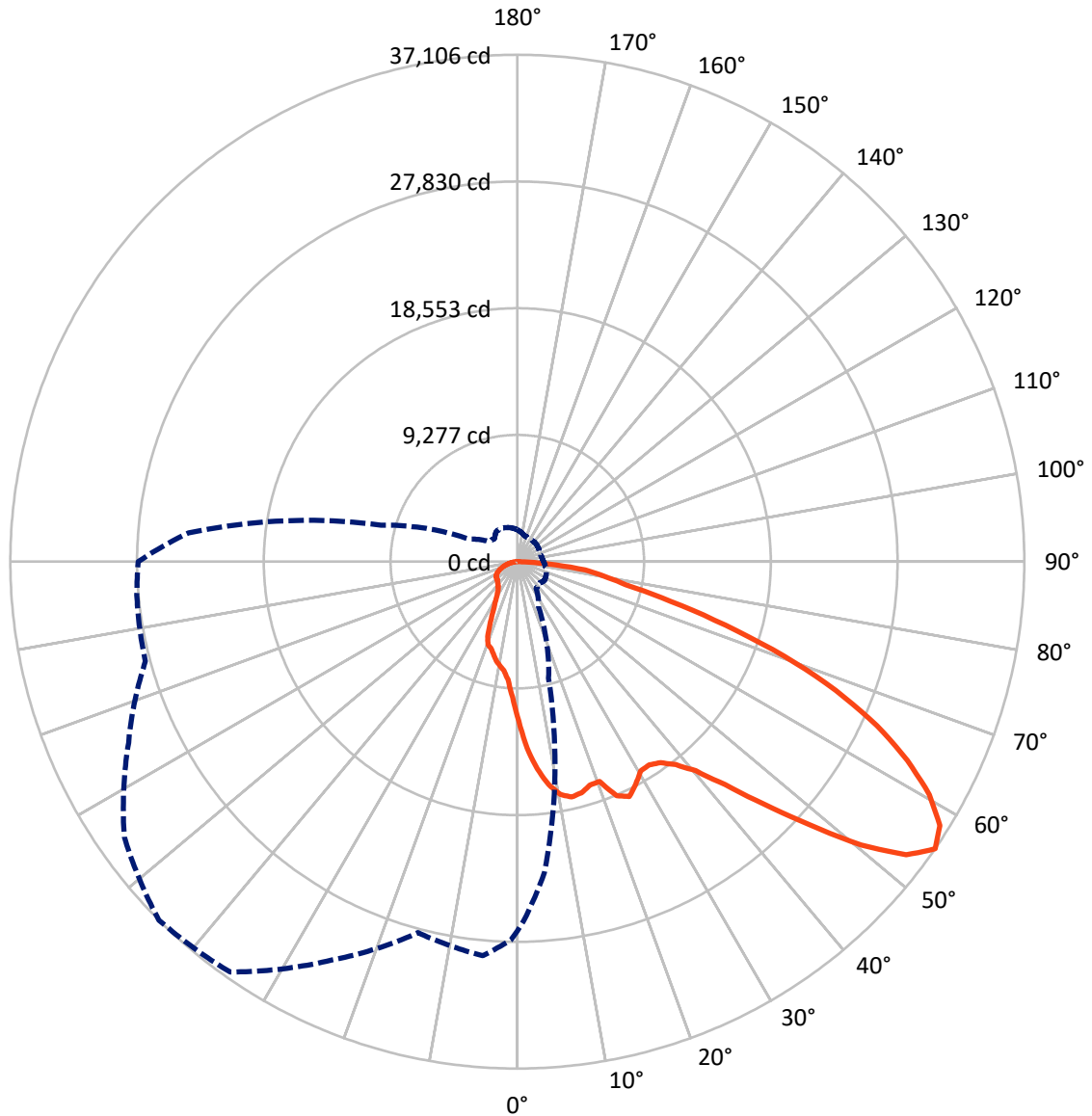
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20 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	10159.6	0.0	10159.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	36285.4	0.0	36285.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	46445.0	0.0	46445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	987.9	2.1
10°-20°	2620.8	5.6
20°-30°	4527.6	9.7
30°-40°	5261.8	11.3
40°-50°	7341.3	15.8
50°-60°	9961.3	21.4
60°-70°	9477.0	20.4
70°-80°	5119.7	11.0
80°-90°	1147.4	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°	46445.0	100.0
0°-180°	46445.0	100.0

Coefficient of Utilization



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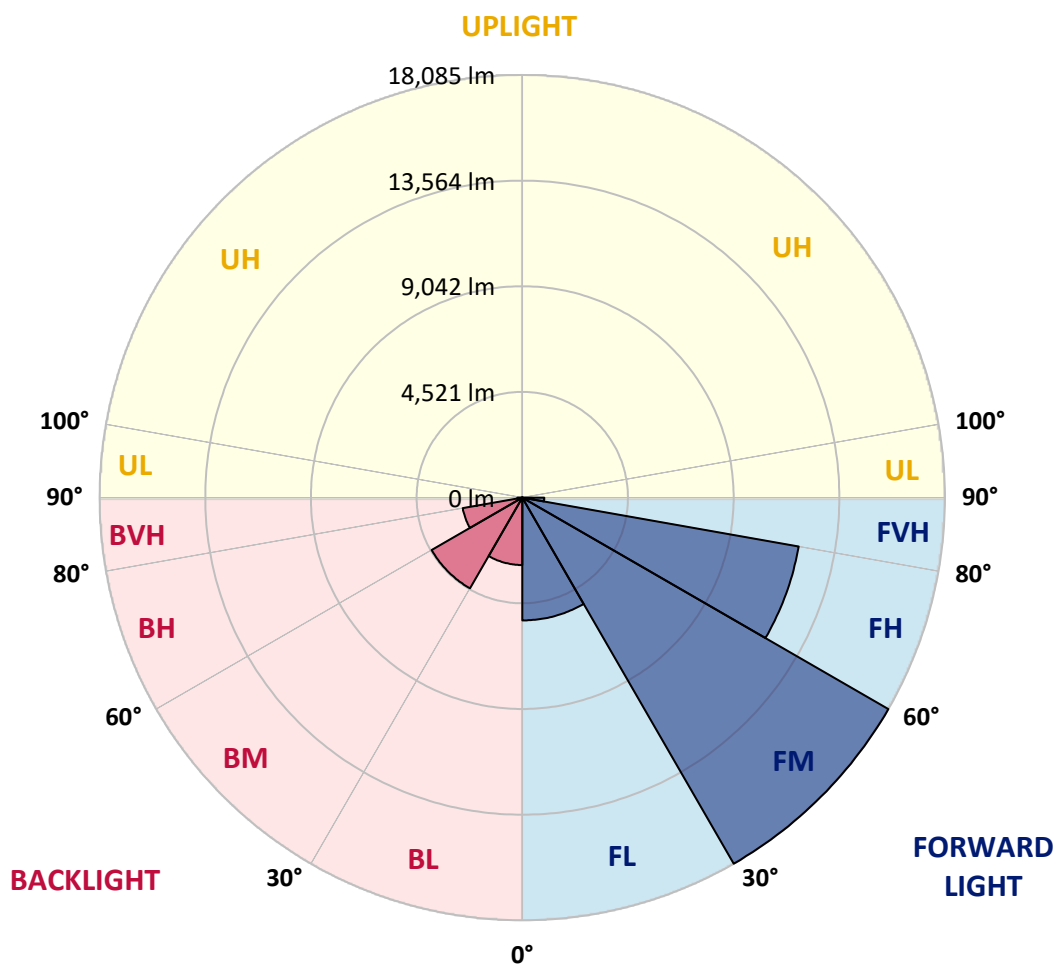
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5253.0	11.3			
FM	(30°-60°)	18084.7	38.9			
FH	(60°-80°)	12009.9	25.9			G5
FVH	(80°-90°)	937.7	2.0			G5
BL	(0°-30°)	2883.3	6.2	B4/5000		
BM	(30°-60°)	4479.7	9.6	B3/5000		
BH	(60°-80°)	2586.9	5.6	B4/5000		G4/5000
BVH	(80°-90°)	209.7	0.5			G2/225
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°	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9
2.5°	12948.9	12899.9	12762.0	12400.5	12035.8	11665.1	11380.1	11024.7	10653.9	10454.7	10200.4
5°	13126.7	13071.5	12746.7	11931.7	11193.2	10418.0	9799.0	9256.7	9036.1	8711.3	8450.8
7.5°	12709.9	12685.4	12198.2	11027.7	10016.6	9002.4	8300.7	7865.6	7470.3	7323.2	7353.9
10°	12330.0	12231.9	11622.2	10093.2	8913.5	8089.3	7586.7	7160.8	6882.0	6808.5	6823.8
12.5°	12014.4	11882.6	11162.6	9465.0	8432.4	7773.7	7133.3	6689.0	6434.6	6505.1	6744.1
15°	11950.0	11772.3	10969.5	9250.6	8168.9	7320.2	6618.5	6106.8	5916.8	6070.0	6453.0
17.5°	12366.8	12143.1	11300.4	9321.0	7917.7	6857.5	5996.5	5411.2	5251.9	5497.0	5996.5
20°	13705.8	13374.8	12333.0	9728.6	7893.2	6627.7	5634.9	5046.6	5114.0	5579.7	6100.6
22.5°	16181.6	15685.2	14140.9	10323.0	8021.8	6569.5	5561.4	5255.0	5625.7	6021.0	6364.2
25°	16671.8	16282.7	14465.7	10457.8	7994.3	6529.6	5769.7	5922.9	6336.6	6532.7	6413.2
27.5°	16947.6	16503.3	14444.2	9789.8	7148.6	5922.9	5515.4	5769.7	5873.9	5683.9	5359.1
30°	17591.1	17128.4	14808.9	9088.2	5886.2	4393.9	3851.6	3747.4	3817.9	3854.7	3738.2
32.5°	18476.6	18020.0	15495.2	8628.5	5089.5	3634.0	3100.9	2953.8	2920.1	2880.3	2834.3
35°	19622.6	18920.9	16169.3	8334.4	4761.6	3361.3	2871.1	2757.7	2711.7	2656.6	2607.6
37.5°	20786.9	20051.5	17021.1	8024.9	4544.1	3171.4	2717.9	2665.8	2586.1	2527.9	2457.4
40°	22024.8	21200.6	17796.4	7755.3	4332.7	3048.8	2607.6	2601.4	2497.3	2429.8	2347.1
42.5°	23097.3	22248.5	18488.8	7589.8	4170.3	2920.1	2540.1	2558.5	2451.3	2350.2	2242.9
45°	23949.1	23115.7	19129.2	7589.8	4038.5	2791.4	2527.9	2515.6	2408.4	2282.8	2160.2
47.5°	24696.7	23835.7	19754.3	7782.8	3955.8	2684.2	2460.5	2481.9	2371.6	2212.3	2092.8
50°	25275.9	24516.0	20597.0	8083.1	3873.0	2598.4	2374.7	2491.1	2341.0	2175.5	2037.6
52.5°	26014.3	25334.1	21611.2	8493.7	3802.6	2503.4	2298.1	2491.1	2337.9	2178.6	2028.4
55°	27037.7	26320.7	22833.8	8833.8	3689.2	2414.5	2230.7	2420.6	2328.7	2163.3	2003.9
57.5°	27754.7	27218.5	23697.8	9060.6	3526.8	2301.1	2169.4	2353.2	2288.9	2105.0	1930.4
58°	27788.4	27264.5	23823.5	9112.7	3487.0	2279.7	2154.1	2322.6	2270.5	2080.5	1905.9
60°	27402.4	26951.9	23848.0	9039.1	3260.2	2172.5	2074.4	2197.0	2172.5	1936.5	1774.1
62.5°	25999.0	25517.9	22858.3	8441.6	2959.9	2040.7	1951.8	2028.4	1973.3	1734.3	1584.1
65°	24004.3	23118.7	20823.7	7504.0	2745.4	1899.7	1786.4	1792.5	1734.3	1562.7	1430.9
67.5°	21347.7	20358.0	17630.9	6324.3	2583.0	1743.5	1590.3	1575.0	1504.5	1394.2	1286.9
70°	18078.3	17401.1	14327.8	5144.6	2402.3	1571.9	1369.7	1360.5	1317.6	1234.8	1139.8
72.5°	14652.6	13791.6	11570.1	4118.2	2181.6	1406.4	1164.4	1182.7	1127.6	1069.4	983.6
75°	10813.3	10249.5	8944.1	3303.1	1884.4	1225.6	971.3	977.5	952.9	891.7	824.2
77.5°	7121.0	6952.5	6397.9	2169.4	1449.3	974.4	793.6	799.7	781.3	726.2	655.7
80°	4792.3	4678.9	4335.7	1397.2	968.3	704.7	612.8	619.0	615.9	557.7	462.7
82.5°	2953.8	2904.8	2794.5	943.7	671.0	505.6	404.5	422.8	456.6	392.2	315.6
85°	1394.2	1397.2	1688.3	514.8	395.3	324.8	220.6	235.9	235.9	235.9	177.7
87.5°	180.8	190.0	232.9	217.6	144.0	122.6	79.7	67.4	58.2	76.6	55.2
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°	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9
2.5°	10111.6	10050.3	9918.5	9887.9	9869.5	9921.6	9783.7	9820.5	9759.2	9930.8	9903.2
5°	8466.1	8472.3	8579.5	8650.0	8674.5	8650.0	8558.1	8398.7	8276.2	8227.1	8239.4
7.5°	7295.6	7402.9	7586.7	7792.0	7978.9	8034.1	7982.0	7678.7	7347.7	7139.4	7072.0
10°	6906.5	7050.5	7261.9	7424.3	7589.8	7721.6	7749.1	7513.2	7121.0	6627.7	6434.6
12.5°	6928.0	7124.1	7326.3	7378.4	7363.1	7415.2	7390.6	7350.8	7093.4	6465.3	6143.5
15°	6725.7	6958.6	7099.5	7072.0	7022.9	6977.0	6912.6	6811.5	6719.6	6278.4	5922.9
17.5°	6260.0	6499.0	6615.4	6624.6	6624.6	6612.4	6456.1	6419.3	6407.1	6192.6	5975.0
20°	6345.8	6477.5	6425.4	6339.6	6364.2	6446.9	6355.0	6336.6	6407.1	6502.0	6462.2
22.5°	6394.8	6348.8	5956.6	5576.7	5490.9	5748.3	5800.4	6005.7	6290.6	6633.8	6857.5
25°	6091.5	5720.7	5019.0	4590.0	4348.0	4587.0	4899.5	5279.5	5705.4	6146.6	6407.1
27.5°	5092.6	4810.7	4308.1	3922.1	3710.6	3747.4	4014.0	4360.2	4755.5	5052.7	5242.7
30°	3836.3	3710.6	3450.2	3318.4	3189.7	3159.1	3272.5	3404.2	3578.9	3615.7	3664.7
32.5°	2825.1	2806.7	2822.0	2779.1	2754.6	2751.6	2717.9	2748.5	2766.9	2788.3	2745.4
35°	2555.5	2531.0	2488.1	2475.8	2460.5	2466.6	2451.3	2436.0	2448.2	2466.6	2478.9
37.5°	2417.6	2380.8	2319.5	2298.1	2298.1	2307.3	2282.8	2276.6	2298.1	2356.3	2386.9
40°	2310.3	2267.4	2197.0	2169.4	2187.8	2212.3	2178.6	2166.3	2218.4	2279.7	2328.7
42.5°	2209.2	2175.5	2108.1	2077.5	2092.8	2138.7	2089.7	2080.5	2147.9	2215.4	2273.6
45°	2123.4	2089.7	2028.4	2013.1	2019.2	2062.1	2028.4	2028.4	2092.8	2166.3	2218.4
47.5°	2056.0	2013.1	1973.3	1961.0	1967.2	1991.7	1985.5	1985.5	2046.8	2123.4	2175.5
50°	1988.6	1951.8	1899.7	1905.9	1921.2	1954.9	1951.8	1961.0	2022.3	2117.3	2172.5
52.5°	1958.0	1902.8	1844.6	1850.7	1896.7	1936.5	1924.3	1933.5	2003.9	2181.6	2261.3
55°	1924.3	1850.7	1783.3	1792.5	1844.6	1902.8	1887.5	1899.7	1982.5	2224.5	2334.9
57.5°	1859.9	1774.1	1700.6	1706.7	1783.3	1844.6	1820.1	1835.4	1933.5	2178.6	2295.0
58°	1832.3	1758.8	1688.3	1691.4	1764.9	1832.3	1804.8	1817.0	1918.1	2166.3	2276.6
60°	1715.9	1673.0	1611.7	1614.8	1685.3	1743.5	1728.2	1740.4	1838.5	2077.5	2160.2
62.5°	1556.6	1532.1	1516.7	1516.7	1559.6	1614.8	1630.1	1645.4	1734.3	1878.3	1951.8
65°	1385.0	1385.0	1388.0	1388.0	1415.6	1486.1	1495.3	1535.1	1617.9	1688.3	1743.5
67.5°	1268.5	1262.4	1268.5	1253.2	1265.5	1308.4	1354.3	1391.1	1476.9	1525.9	1544.3
70°	1118.4	1115.3	1118.4	1097.0	1112.3	1149.0	1179.7	1241.0	1329.8	1366.6	1375.8
72.5°	971.3	971.3	977.5	962.1	962.1	1002.0	1023.4	1090.8	1173.6	1195.0	1198.1
75°	818.1	827.3	827.3	805.9	812.0	836.5	864.1	919.2	995.8	1011.2	1011.2
77.5°	649.6	683.3	683.3	661.8	671.0	674.1	710.9	738.5	796.7	802.8	778.3
80°	471.9	505.6	533.2	514.8	530.1	511.7	533.2	551.5	609.8	582.2	542.3
82.5°	337.1	361.6	383.0	386.1	370.8	337.1	364.6	367.7	395.3	358.5	337.1
85°	186.9	208.4	235.9	223.7	199.2	177.7	186.9	193.0	190.0	180.8	168.5
87.5°	49.0	52.1	58.2	42.9	39.8	33.7	46.0	46.0	52.1	55.2	52.1
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°	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9
2.5°	9924.7	10059.5	10350.6	10571.2	10840.8	11168.7	11554.8	11943.9	12363.7	12495.4	12679.3
5°	8211.8	8548.9	8689.8	9091.2	9489.6	10087.1	10724.4	11462.8	12271.8	12660.9	13034.7
7.5°	7016.8	7197.6	7344.7	7638.8	8116.8	8843.0	9642.8	10565.1	11711.0	12277.9	12826.4
10°	6373.4	6391.7	6572.5	6937.1	7353.9	7994.3	8751.1	9783.7	11061.4	11750.9	12394.3
12.5°	5947.4	5867.8	6063.9	6443.8	6915.7	7507.1	8202.6	9186.2	10592.6	11300.4	12078.7
15°	5573.6	5448.0	5595.1	5984.2	6450.0	7145.5	7893.2	8934.9	10408.8	11233.0	12097.1
17.5°	5582.8	5236.6	5288.7	5616.5	6079.2	6787.0	7694.0	8925.8	10687.6	11637.5	12660.9
20°	6272.2	5717.6	5481.7	5543.0	5990.3	6762.5	7785.9	9354.7	11603.8	12988.8	14082.7
22.5°	6949.4	6615.4	6235.5	6109.8	6355.0	7163.9	8371.2	10369.0	13595.5	15682.1	17658.5
25°	6713.5	6998.4	6903.4	6725.7	6780.9	7451.9	8769.5	11202.4	15142.8	17493.0	19349.9
27.5°	5371.4	5889.2	5993.4	5990.3	6011.8	6563.3	7887.0	10641.7	15335.9	17839.3	19613.4
30°	3775.0	3820.9	3876.1	3983.3	4081.4	4574.7	6171.1	9342.5	15250.1	17995.5	19772.7
32.5°	2724.0	2785.3	2861.9	3009.0	3241.8	3870.0	5399.0	8928.8	15703.6	18642.1	20238.5
35°	2491.1	2561.6	2635.1	2803.7	3024.3	3606.5	5092.6	8757.2	16448.2	19690.0	21075.0
37.5°	2417.6	2497.3	2561.6	2684.2	2861.9	3416.5	4813.7	8640.8	17211.1	20799.2	22196.4
40°	2365.5	2457.4	2509.5	2607.6	2730.1	3241.8	4565.5	8548.9	17949.6	21813.4	23097.3
42.5°	2319.5	2414.5	2481.9	2552.4	2653.5	3085.6	4344.9	8456.9	18590.0	22797.0	23995.1
45°	2264.4	2383.9	2469.7	2524.8	2613.7	2953.8	4176.4	8383.4	19319.2	23670.3	24902.0
47.5°	2218.4	2350.2	2457.4	2521.8	2555.5	2861.9	4041.6	8484.5	20195.6	24583.4	25744.7
50°	2221.5	2347.1	2481.9	2583.0	2494.2	2785.3	3958.8	8885.9	21335.4	25668.1	26409.6
52.5°	2319.5	2472.7	2580.0	2604.5	2408.4	2693.4	3915.9	9587.6	22683.6	26627.1	27080.6
55°	2429.8	2589.2	2705.6	2690.3	2362.4	2576.9	3906.7	10335.2	24160.5	27745.5	27953.9
57.5°	2390.0	2622.9	2800.6	2720.9	2365.5	2463.5	3866.9	10938.9	25395.4	28582.0	28818.0
58°	2377.8	2610.6	2812.9	2714.8	2356.3	2429.8	3857.7	10991.0	25566.9	28640.3	28940.5
60°	2258.3	2503.4	2803.7	2668.8	2304.2	2337.9	3756.6	11159.5	25521.0	28340.0	29014.1
62.5°	2040.7	2242.9	2592.2	2445.2	2144.9	2215.4	3529.9	10951.1	24277.0	26893.7	27938.6
65°	1795.6	1945.7	2178.6	2151.0	1918.1	2089.7	3220.4	10126.9	21785.8	24546.6	25646.6
67.5°	1611.7	1734.3	1881.4	1841.5	1725.1	1921.2	2886.4	8732.7	18991.4	21727.6	23112.6
70°	1424.8	1519.8	1593.3	1565.8	1529.0	1755.7	2589.2	7087.3	16313.3	19049.6	20391.7
72.5°	1234.8	1323.7	1385.0	1345.1	1323.7	1581.1	2347.1	5500.1	12884.6	15715.8	17440.9
75°	1032.6	1121.5	1164.4	1118.4	1106.1	1394.2	1988.6	4109.0	9667.3	12115.5	13604.7
77.5°	799.7	894.7	949.9	934.6	940.7	1146.0	1605.6	2812.9	6912.6	8257.8	9826.6
80°	560.7	664.9	701.7	686.4	729.3	873.3	1133.7	1786.4	4767.8	5359.1	6465.3
82.5°	346.2	444.3	450.4	465.7	496.4	646.5	854.9	1087.8	2993.6	3094.8	3897.6
85°	174.7	211.4	226.7	251.3	278.8	395.3	487.2	674.1	1927.3	1458.5	2178.6
87.5°	58.2	61.3	73.5	91.9	113.4	162.4	208.4	275.8	478.0	263.5	674.1
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: P456585

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9	11655.9
2.5°	13050.1	13310.5	13500.5	13675.1	13506.6	13491.3	13325.8	13059.2	12948.9	12948.9
5°	13819.1	14428.9	14922.2	15237.8	15103.0	14778.2	14242.0	13558.7	13191.0	13126.7
7.5°	14030.6	15234.8	16150.9	16475.7	16249.0	15532.0	14505.5	13353.4	12826.4	12709.9
10°	13901.9	15467.6	16812.8	17327.6	17011.9	15927.3	14527.0	13114.4	12464.8	12330.0
12.5°	13767.1	15498.3	16935.3	17679.9	17474.6	16245.9	14683.2	12958.1	12207.4	12014.4
15°	13865.1	15510.5	16785.2	17554.3	17686.1	16628.9	14940.6	13071.5	12155.3	11950.0
17.5°	14484.1	15743.4	16570.7	17192.7	17655.4	17149.8	15672.9	13613.8	12621.1	12366.8
20°	15777.1	16301.1	16693.3	17174.3	17918.9	18213.1	17171.3	15103.0	13929.5	13705.8
22.5°	19521.5	19426.5	18623.7	18614.5	19693.0	20872.7	20802.3	18130.3	16365.4	16181.6
25°	20924.8	20483.6	19322.3	19040.4	19515.3	21335.4	21071.9	18749.3	17119.2	16671.8
27.5°	20376.3	19282.5	18519.5	18455.1	18298.9	20017.8	20652.1	19000.6	17382.7	16947.6
30°	20342.6	18734.0	17643.2	17771.8	17922.0	19564.4	20885.0	19788.0	18056.8	17591.1
32.5°	20425.4	18810.6	17707.5	17732.0	18179.4	19631.8	21142.4	20646.0	18942.3	18476.6
35°	20759.4	19245.7	18118.1	18059.9	18758.5	20073.0	21580.5	21994.2	20152.7	19622.6
37.5°	21298.6	20112.8	18868.8	18853.5	19867.7	20869.7	22126.0	23354.7	21356.9	20786.9
40°	22092.2	21127.0	20204.8	20122.0	21375.2	22165.8	22833.8	24804.0	22757.2	22024.8
42.5°	23051.3	22343.5	21966.6	22294.5	23498.7	23621.2	23936.8	26143.0	23949.1	23097.3
45°	23939.9	23906.2	24430.2	25300.4	26002.1	25266.7	25088.9	27040.8	24874.5	23949.1
47.5°	24997.0	25910.1	27491.2	28765.9	29501.3	27181.7	26072.5	27626.0	25548.6	24696.7
50°	26069.5	28309.3	30834.2	32611.3	32767.6	29262.3	26749.7	28177.6	26161.4	25275.9
52.5°	27197.1	30224.4	33585.7	35650.9	35347.6	31073.2	27405.4	28551.4	26792.6	26014.3
55°	28177.6	31398.0	35123.9	37106.4	36662.1	32176.2	28113.2	28955.9	27693.4	27037.7
57.5°	28726.0	31496.0	34740.9	36472.1	35991.1	31961.7	28438.0	29256.1	28269.5	27754.7
58°	28805.7	31364.2	34400.8	36104.4	35614.2	31781.0	28435.0	29243.9	28306.3	27788.4
60°	28735.2	30509.4	33135.3	34652.0	34137.3	30647.2	28318.5	29014.1	27840.5	27402.4
62.5°	28082.6	29026.3	30950.6	32053.7	31906.6	28876.2	27840.5	28146.9	26421.8	25999.0
65°	27224.6	27004.0	28153.1	28934.4	29044.7	27549.4	27365.6	26271.7	24601.8	24004.3
67.5°	26182.8	24712.1	24709.0	25153.3	25337.1	25508.7	26375.9	24234.1	21978.9	21347.7
70°	24414.8	21179.1	20204.8	20728.7	20575.5	22024.8	24607.9	21372.2	18816.7	18078.3
72.5°	21173.0	16806.7	15247.0	15921.1	15535.0	17272.4	21531.5	17588.0	15559.6	14652.6
75°	17162.1	12572.1	10963.4	11582.3	11343.3	13102.1	17915.9	12774.3	11159.5	10813.3
77.5°	13325.8	9109.6	8175.0	8089.3	8267.0	9750.0	13142.0	8625.5	7356.9	7121.0
80°	8561.1	6520.4	6575.6	6465.3	6557.2	6146.6	7978.9	5503.1	4982.2	4792.3
82.5°	5634.9	4544.1	5417.3	5000.6	4749.4	4133.5	5233.5	3603.4	3058.0	2953.8
85°	3839.3	3346.0	3045.7	2328.7	2742.4	3183.6	3925.1	1939.6	1538.2	1394.2
87.5°	1734.3	1164.4	854.9	527.0	833.4	962.1	1905.9	226.7	174.7	180.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)