

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: P458963

Luminaire Tested: **GALN-SA4D-735-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458963
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-SA4D-735-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 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: 24573 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 245
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

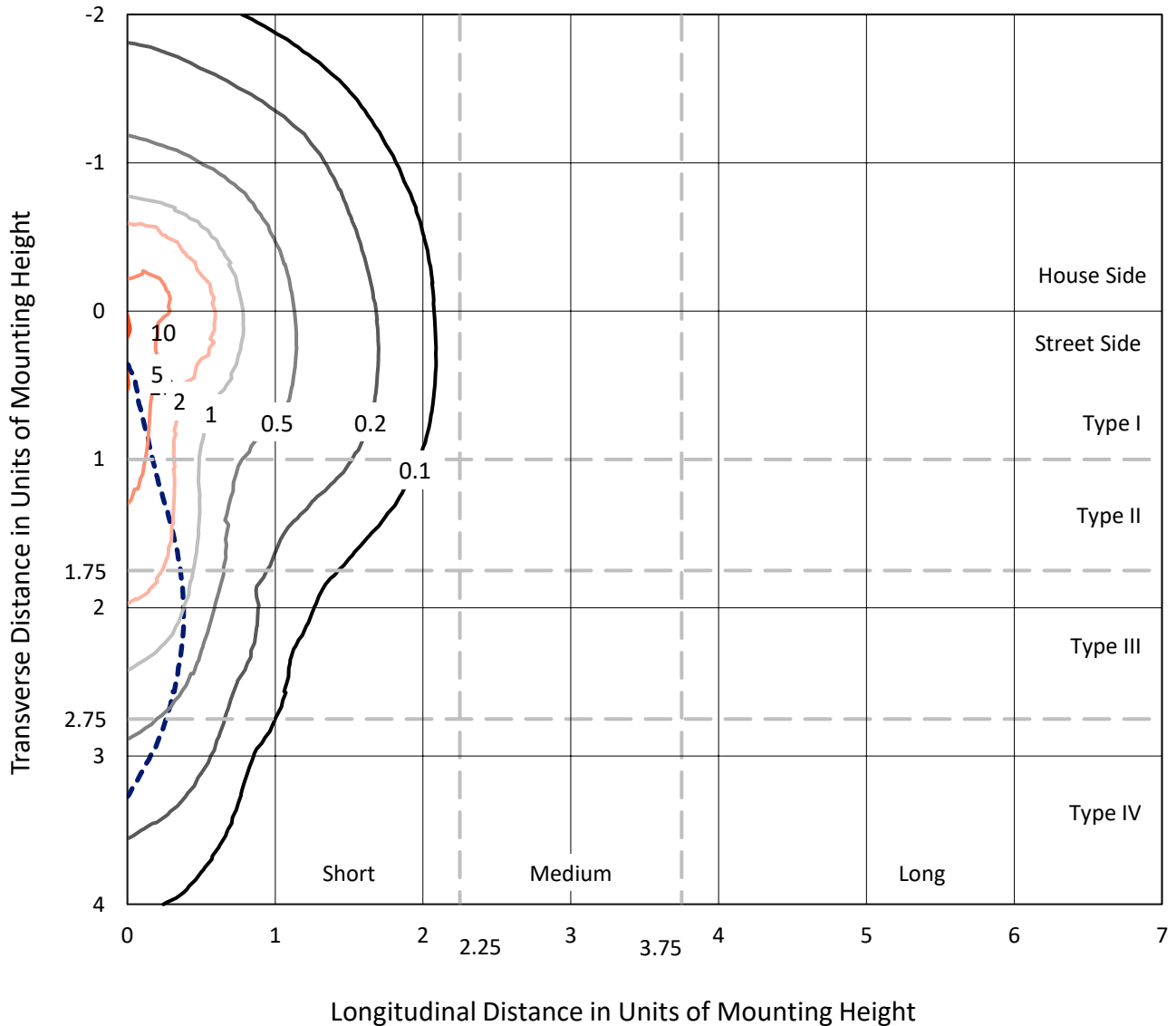




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Iso-Footcandle Lines of Horizontal Illumination

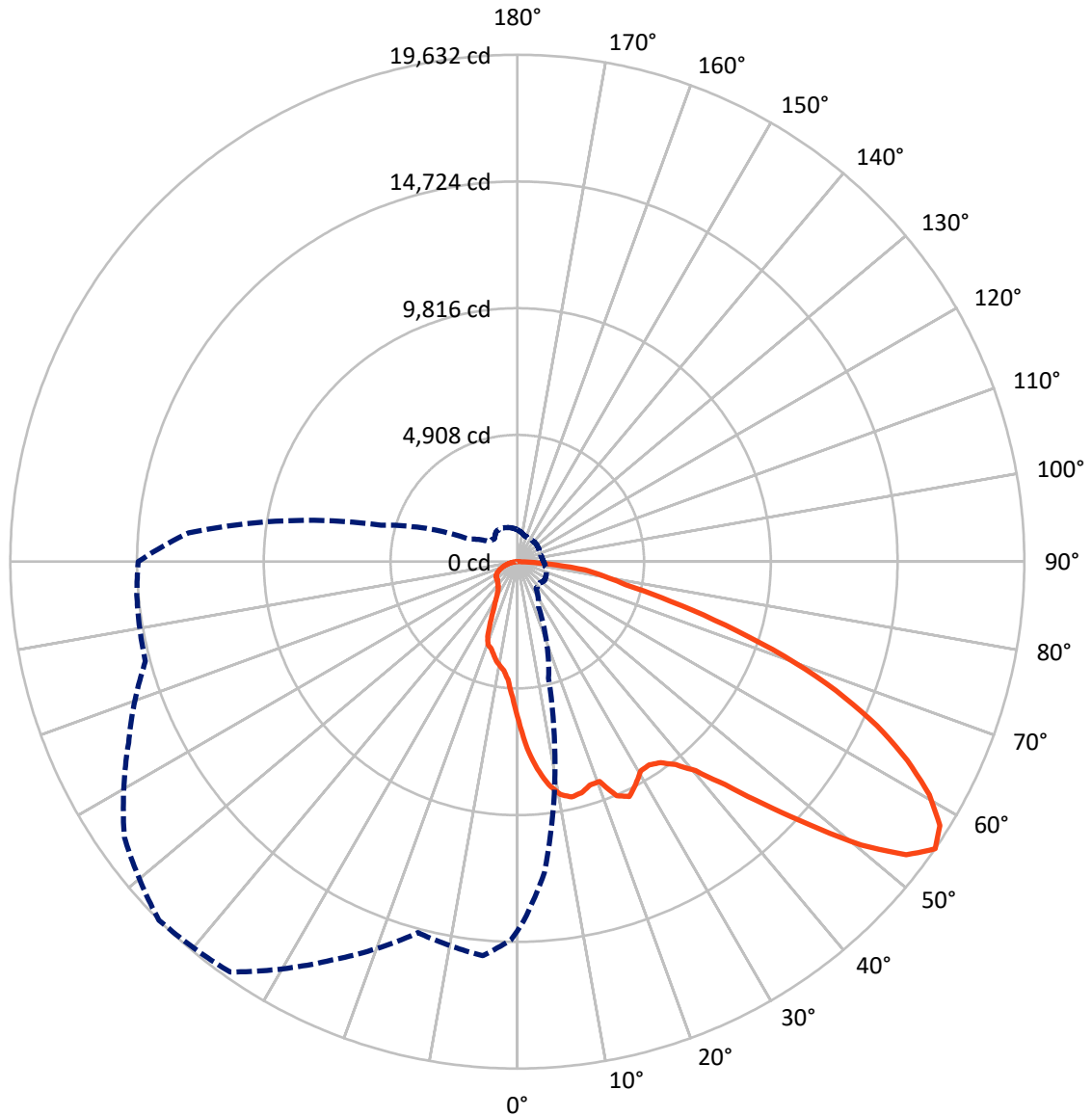
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	5375.2	0.0	5375.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	19197.8	0.0	19197.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	24573.0	0.0	24573.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.7	2.1
10°-20°	1386.6	5.6
20°-30°	2395.5	9.7
30°-40°	2783.9	11.3
40°-50°	3884.1	15.8
50°-60°	5270.3	21.4
60°-70°	5014.1	20.4
70°-80°	2708.7	11.0
80°-90°	607.1	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°	24573.0	100.0
0°-180°	24573.0	100.0

Coefficient of Utilization



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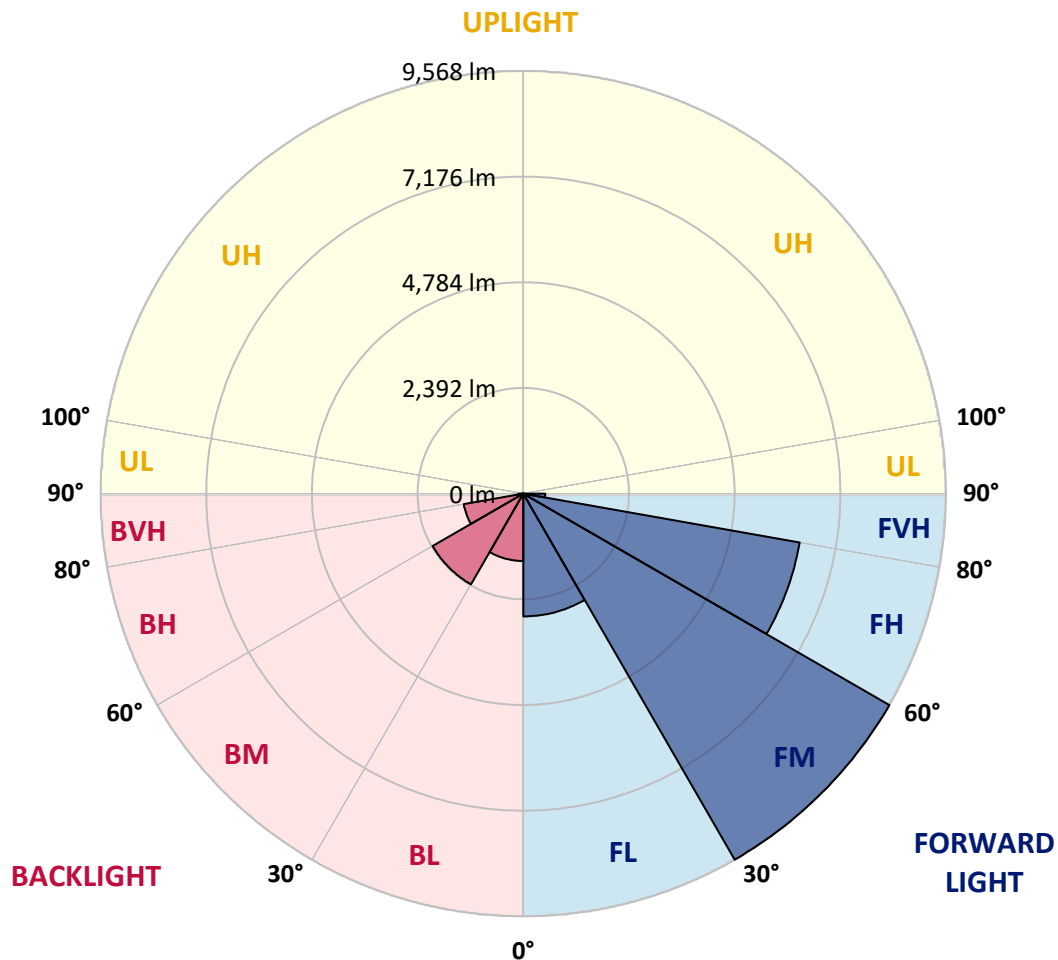
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2779.3	11.3			
FM	(30°-60°)	9568.2	38.9			
FH	(60°-80°)	6354.2	25.9			G3/7500
FVH	(80°-90°)	496.1	2.0			G3/500
BL	(0°-30°)	1525.5	6.2	B3/2500		
BM	(30°-60°)	2370.1	9.6	B2/2500		
BH	(60°-80°)	1368.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	110.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9
2.5°	6851.0	6825.1	6752.1	6560.8	6367.9	6171.7	6021.0	5832.9	5636.7	5531.4	5396.8
5°	6945.0	6915.8	6744.0	6312.8	5922.1	5511.9	5184.4	4897.5	4780.8	4608.9	4471.1
7.5°	6724.5	6711.6	6453.8	5834.5	5299.5	4762.9	4391.7	4161.5	3952.4	3874.6	3890.8
10°	6523.5	6471.6	6149.0	5340.1	4715.9	4279.8	4014.0	3788.6	3641.1	3602.2	3610.3
12.5°	6356.5	6286.8	5905.9	5007.7	4461.4	4112.9	3774.0	3539.0	3404.4	3441.7	3568.2
15°	6322.5	6228.5	5803.7	4894.3	4322.0	3872.9	3501.7	3231.0	3130.4	3211.5	3414.1
17.5°	6543.0	6424.6	5978.8	4931.5	4189.1	3628.1	3172.6	2863.0	2778.7	2908.3	3172.6
20°	7251.4	7076.3	6525.1	5147.2	4176.1	3506.6	2981.3	2670.0	2705.7	2952.1	3227.7
22.5°	8561.3	8298.7	7481.6	5461.7	4244.2	3475.8	2942.4	2780.3	2976.4	3185.6	3367.1
25°	8820.7	8614.8	7653.5	5533.0	4229.6	3454.7	3052.6	3133.7	3352.5	3456.3	3393.1
27.5°	8966.6	8731.5	7642.1	5179.6	3782.1	3133.7	2918.1	3052.6	3107.7	3007.2	2835.4
30°	9307.0	9062.2	7835.0	4808.3	3114.2	2324.7	2037.8	1982.7	2020.0	2039.4	1977.8
32.5°	9775.5	9534.0	8198.2	4565.2	2692.7	1922.7	1640.6	1562.8	1545.0	1523.9	1499.6
35°	10381.9	10010.6	8554.8	4409.5	2519.3	1778.4	1519.0	1459.0	1434.7	1405.5	1379.6
37.5°	10997.9	10608.8	9005.5	4245.8	2404.2	1677.9	1438.0	1410.4	1368.3	1337.5	1300.2
40°	11652.8	11216.8	9415.7	4103.1	2292.3	1613.0	1379.6	1376.4	1321.2	1285.6	1241.8
42.5°	12220.2	11771.2	9782.0	4015.6	2206.4	1545.0	1343.9	1353.7	1296.9	1243.4	1186.7
45°	12670.9	12230.0	10120.9	4015.6	2136.7	1476.9	1337.5	1331.0	1274.2	1207.8	1142.9
47.5°	13066.5	12610.9	10451.6	4117.7	2092.9	1420.1	1301.8	1313.1	1254.8	1170.5	1107.2
50°	13372.9	12970.8	10897.4	4276.6	2049.1	1374.7	1256.4	1318.0	1238.6	1151.0	1078.1
52.5°	13763.6	13403.7	11434.0	4493.8	2011.8	1324.5	1215.9	1318.0	1236.9	1152.6	1073.2
55°	14305.0	13925.7	12080.8	4673.8	1951.9	1277.5	1180.2	1280.7	1232.1	1144.5	1060.2
57.5°	14684.4	14400.7	12538.0	4793.7	1865.9	1217.5	1147.8	1245.0	1211.0	1113.7	1021.3
58°	14702.2	14425.0	12604.5	4821.3	1844.9	1206.1	1139.7	1228.8	1201.3	1100.8	1008.4
60°	14498.0	14259.7	12617.4	4782.4	1724.9	1149.4	1097.5	1162.4	1149.4	1024.6	938.6
62.5°	13755.5	13501.0	12093.8	4466.3	1566.0	1079.7	1032.7	1073.2	1044.0	917.6	838.1
65°	12700.1	12231.6	11017.4	3970.2	1452.6	1005.1	945.1	948.4	917.6	826.8	757.1
67.5°	11294.6	10770.9	9328.1	3346.1	1366.6	922.4	841.4	833.3	796.0	737.6	680.9
70°	9564.8	9206.5	7580.5	2721.9	1271.0	831.7	724.7	719.8	697.1	653.3	603.1
72.5°	7752.4	7296.8	6121.5	2178.8	1154.3	744.1	616.0	625.8	596.6	565.8	520.4
75°	5721.0	5422.8	4732.1	1747.6	997.0	648.5	513.9	517.1	504.2	471.8	436.1
77.5°	3767.6	3678.4	3385.0	1147.8	766.8	515.5	419.9	423.1	413.4	384.2	346.9
80°	2535.5	2475.5	2293.9	739.2	512.3	372.9	324.2	327.5	325.9	295.0	244.8
82.5°	1562.8	1536.9	1478.5	499.3	355.0	267.5	214.0	223.7	241.6	207.5	167.0
85°	737.6	739.2	893.3	272.4	209.1	171.8	116.7	124.8	124.8	124.8	94.0
87.5°	95.6	100.5	123.2	115.1	76.2	64.8	42.1	35.7	30.8	40.5	29.2
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°	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9
2.5°	5349.8	5317.4	5247.7	5231.5	5221.7	5249.3	5176.3	5195.8	5163.4	5254.2	5239.6
5°	4479.2	4482.5	4539.2	4576.5	4589.5	4576.5	4527.9	4443.6	4378.7	4352.8	4359.3
7.5°	3860.0	3916.7	4014.0	4122.6	4221.5	4250.7	4223.1	4062.6	3887.5	3777.3	3741.6
10°	3654.1	3730.3	3842.1	3928.1	4015.6	4085.3	4099.9	3975.1	3767.6	3506.6	3404.4
12.5°	3665.4	3769.2	3876.2	3903.7	3895.6	3923.2	3910.2	3889.1	3753.0	3420.6	3250.4
15°	3558.4	3681.6	3756.2	3741.6	3715.7	3691.4	3657.3	3603.8	3555.2	3321.7	3133.7
17.5°	3312.0	3438.5	3500.1	3504.9	3504.9	3498.4	3415.8	3396.3	3389.8	3276.3	3161.2
20°	3357.4	3427.1	3399.6	3354.2	3367.1	3410.9	3362.3	3352.5	3389.8	3440.1	3419.0
22.5°	3383.3	3359.0	3151.5	2950.5	2905.1	3041.3	3068.8	3177.5	3328.2	3509.8	3628.1
25°	3222.9	3026.7	2655.4	2428.5	2300.4	2426.9	2592.2	2793.2	3018.6	3252.0	3389.8
27.5°	2694.4	2545.2	2279.3	2075.1	1963.2	1982.7	2123.7	2306.9	2516.0	2673.3	2773.8
30°	2029.7	1963.2	1825.4	1755.7	1687.6	1671.4	1731.4	1801.1	1893.5	1913.0	1938.9
32.5°	1494.7	1485.0	1493.1	1470.4	1457.4	1455.8	1438.0	1454.2	1463.9	1475.2	1452.6
35°	1352.0	1339.1	1316.4	1309.9	1301.8	1305.0	1296.9	1288.8	1295.3	1305.0	1311.5
37.5°	1279.1	1259.6	1227.2	1215.9	1215.9	1220.7	1207.8	1204.5	1215.9	1246.7	1262.9
40°	1222.3	1199.7	1162.4	1147.8	1157.5	1170.5	1152.6	1146.2	1173.7	1206.1	1232.1
42.5°	1168.9	1151.0	1115.4	1099.1	1107.2	1131.6	1105.6	1100.8	1136.4	1172.1	1202.9
45°	1123.5	1105.6	1073.2	1065.1	1068.3	1091.0	1073.2	1073.2	1107.2	1146.2	1173.7
47.5°	1087.8	1065.1	1044.0	1037.5	1040.8	1053.7	1050.5	1050.5	1082.9	1123.5	1151.0
50°	1052.1	1032.7	1005.1	1008.4	1016.5	1034.3	1032.7	1037.5	1070.0	1120.2	1149.4
52.5°	1035.9	1006.7	975.9	979.2	1003.5	1024.6	1018.1	1022.9	1060.2	1154.3	1196.4
55°	1018.1	979.2	943.5	948.4	975.9	1006.7	998.6	1005.1	1048.9	1177.0	1235.3
57.5°	984.0	938.6	899.7	903.0	943.5	975.9	963.0	971.1	1022.9	1152.6	1214.2
58°	969.4	930.5	893.3	894.9	933.8	969.4	954.9	961.3	1014.8	1146.2	1204.5
60°	907.8	885.1	852.7	854.3	891.6	922.4	914.3	920.8	972.7	1099.1	1142.9
62.5°	823.5	810.6	802.5	802.5	825.2	854.3	862.5	870.6	917.6	993.8	1032.7
65°	732.8	732.8	734.4	734.4	749.0	786.3	791.1	812.2	856.0	893.3	922.4
67.5°	671.2	667.9	671.2	663.1	669.5	692.2	716.5	736.0	781.4	807.3	817.1
70°	591.7	590.1	591.7	580.4	588.5	607.9	624.1	656.6	703.6	723.0	727.9
72.5°	513.9	513.9	517.1	509.0	509.0	530.1	541.5	577.1	620.9	632.2	633.9
75°	432.8	437.7	437.7	426.4	429.6	442.6	457.2	486.3	526.9	535.0	535.0
77.5°	343.7	361.5	361.5	350.2	355.0	356.7	376.1	390.7	421.5	424.7	411.8
80°	249.7	267.5	282.1	272.4	280.5	270.7	282.1	291.8	322.6	308.0	286.9
82.5°	178.3	191.3	202.6	204.3	196.2	178.3	192.9	194.5	209.1	189.7	178.3
85°	98.9	110.2	124.8	118.3	105.4	94.0	98.9	102.1	100.5	95.6	89.2
87.5°	25.9	27.6	30.8	22.7	21.1	17.8	24.3	24.3	27.6	29.2	27.6
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°	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9
2.5°	5250.9	5322.2	5476.3	5593.0	5735.6	5909.1	6113.4	6319.3	6541.3	6611.1	6708.3
5°	4344.7	4523.0	4597.6	4810.0	5020.7	5336.8	5674.0	6064.7	6492.7	6698.6	6896.4
7.5°	3712.4	3808.1	3885.9	4041.5	4294.4	4678.6	5101.8	5589.7	6196.0	6496.0	6786.1
10°	3372.0	3381.7	3477.4	3670.3	3890.8	4229.6	4630.0	5176.3	5852.4	6217.1	6557.6
12.5°	3146.7	3104.5	3208.3	3409.3	3658.9	3971.8	4339.8	4860.2	5604.3	5978.8	6390.6
15°	2948.9	2882.4	2960.2	3166.1	3412.5	3780.5	4176.1	4727.3	5507.1	5943.1	6400.3
17.5°	2953.7	2770.5	2798.1	2971.6	3216.4	3590.9	4070.7	4722.4	5654.6	6157.1	6698.6
20°	3318.5	3025.1	2900.2	2932.7	3169.4	3577.9	4119.3	4949.4	6139.3	6872.1	7450.8
22.5°	3676.8	3500.1	3299.0	3232.6	3362.3	3790.3	4429.0	5486.0	7193.1	8297.1	9342.7
25°	3551.9	3702.7	3652.5	3558.4	3587.6	3942.6	4639.7	5926.9	8011.7	9255.2	10237.6
27.5°	2841.9	3115.9	3171.0	3169.4	3180.7	3472.5	4172.8	5630.3	8113.9	9438.3	10377.0
30°	1997.3	2021.6	2050.8	2107.5	2159.4	2420.4	3265.0	4942.9	8068.5	9521.0	10461.3
32.5°	1441.2	1473.6	1514.2	1592.0	1715.2	2047.5	2856.5	4724.0	8308.4	9863.1	10707.7
35°	1318.0	1355.3	1394.2	1483.4	1600.1	1908.1	2694.4	4633.3	8702.3	10417.5	11150.3
37.5°	1279.1	1321.2	1355.3	1420.1	1514.2	1807.6	2546.8	4571.6	9106.0	11004.4	11743.6
40°	1251.5	1300.2	1327.7	1379.6	1444.4	1715.2	2415.5	4523.0	9496.7	11541.0	12220.2
42.5°	1227.2	1277.5	1313.1	1350.4	1403.9	1632.5	2298.8	4474.4	9835.5	12061.4	12695.2
45°	1198.0	1261.3	1306.6	1335.8	1382.8	1562.8	2209.6	4435.5	10221.4	12523.4	13175.1
47.5°	1173.7	1243.4	1300.2	1334.2	1352.0	1514.2	2138.3	4489.0	10685.0	13006.5	13620.9
50°	1175.3	1241.8	1313.1	1366.6	1319.6	1473.6	2094.5	4701.3	11288.1	13580.4	13972.7
52.5°	1227.2	1308.3	1365.0	1378.0	1274.2	1425.0	2071.8	5072.6	12001.4	14087.8	14327.7
55°	1285.6	1369.9	1431.5	1423.4	1249.9	1363.4	2067.0	5468.1	12782.8	14679.5	14789.8
57.5°	1264.5	1387.7	1481.7	1439.6	1251.5	1303.4	2045.9	5787.5	13436.1	15122.1	15246.9
58°	1258.0	1381.2	1488.2	1436.3	1246.7	1285.6	2041.0	5815.1	13526.9	15152.9	15311.8
60°	1194.8	1324.5	1483.4	1412.0	1219.1	1236.9	1987.5	5904.2	13502.6	14994.0	15350.7
62.5°	1079.7	1186.7	1371.5	1293.7	1134.8	1172.1	1867.6	5794.0	12844.4	14228.9	14781.7
65°	950.0	1029.4	1152.6	1138.0	1014.8	1105.6	1703.8	5357.9	11526.4	12987.1	13569.0
67.5°	852.7	917.6	995.4	974.3	912.7	1016.5	1527.1	4620.3	10047.9	11495.6	12228.4
70°	753.8	804.1	843.0	828.4	809.0	928.9	1369.9	3749.7	8631.0	10078.7	10788.8
72.5°	653.3	700.3	732.8	711.7	700.3	836.5	1241.8	2910.0	6816.9	8314.9	9227.6
75°	546.3	593.3	616.0	591.7	585.2	737.6	1052.1	2174.0	5114.7	6410.0	7197.9
77.5°	423.1	473.4	502.6	494.5	497.7	606.3	849.5	1488.2	3657.3	4369.0	5199.0
80°	296.7	351.8	371.2	363.1	385.8	462.0	599.8	945.1	2522.5	2835.4	3420.6
82.5°	183.2	235.1	238.3	246.4	262.6	342.1	452.3	575.5	1583.9	1637.4	2062.1
85°	92.4	111.9	120.0	132.9	147.5	209.1	257.8	356.7	1019.7	771.7	1152.6
87.5°	30.8	32.4	38.9	48.6	60.0	85.9	110.2	145.9	252.9	139.4	356.7
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: P458963

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9	6166.9
2.5°	6904.5	7042.3	7142.8	7235.2	7146.0	7137.9	7050.4	6909.4	6851.0	6851.0
5°	7311.4	7634.0	7895.0	8062.0	7990.7	7818.8	7535.1	7173.6	6979.1	6945.0
7.5°	7423.3	8060.4	8545.1	8716.9	8597.0	8217.6	7674.5	7065.0	6786.1	6724.5
10°	7355.2	8183.6	8895.3	9167.6	9000.6	8426.7	7685.9	6938.5	6594.8	6523.5
12.5°	7283.8	8199.8	8960.1	9354.0	9245.4	8595.3	7768.6	6855.9	6458.7	6356.5
15°	7335.7	8206.3	8880.7	9287.6	9357.3	8798.0	7904.7	6915.8	6431.1	6322.5
17.5°	7663.2	8329.5	8767.2	9096.3	9341.1	9073.6	8292.2	7202.8	6677.5	6543.0
20°	8347.3	8624.5	8832.0	9086.6	9480.5	9636.1	9084.9	7990.7	7369.8	7251.4
22.5°	10328.4	10278.1	9853.4	9848.5	10419.1	11043.3	11006.0	9592.4	8658.6	8561.3
25°	11070.8	10837.4	10223.0	10073.8	10325.1	11288.1	11148.7	9919.8	9057.4	8820.7
27.5°	10780.7	10201.9	9798.2	9764.2	9681.5	10591.0	10926.6	10052.8	9196.8	8966.6
30°	10762.8	9911.7	9334.6	9402.7	9482.1	10351.1	11049.8	10469.4	9553.5	9307.0
32.5°	10806.6	9952.3	9368.6	9381.6	9618.3	10386.7	11186.0	10923.3	10022.0	9775.5
35°	10983.3	10182.5	9585.9	9555.1	9924.7	10620.2	11417.8	11636.6	10662.3	10381.9
37.5°	11268.6	10641.2	9983.1	9974.9	10511.6	11041.7	11706.3	12356.4	11299.4	10997.9
40°	11688.5	11177.8	10689.9	10646.1	11309.2	11727.4	12080.8	13123.2	12040.3	11652.8
42.5°	12195.9	11821.4	11622.0	11795.5	12432.6	12497.5	12664.4	13831.7	12670.9	12220.2
45°	12666.1	12648.2	12925.4	13385.9	13757.1	13368.0	13274.0	14306.7	13160.5	12670.9
47.5°	13225.4	13708.5	14545.0	15219.4	15608.5	14381.2	13794.4	14616.3	13517.2	13066.5
50°	13792.8	14977.8	16313.7	17253.9	17336.6	15482.0	14152.7	14908.1	13841.4	13372.9
52.5°	14389.3	15991.0	17769.4	18862.1	18701.6	16440.1	14499.6	15105.9	14175.4	13763.6
55°	14908.1	16611.9	18583.3	19632.2	19397.1	17023.7	14874.1	15319.9	14652.0	14305.0
57.5°	15198.3	16663.8	18380.6	19296.6	19042.1	16910.2	15045.9	15478.8	14956.8	14684.4
58°	15240.5	16594.1	18200.7	19102.0	18842.7	16814.6	15044.3	15472.3	14976.2	14702.2
60°	15203.2	16141.8	17531.1	18333.6	18061.3	16214.8	14982.7	15350.7	14729.8	14498.0
62.5°	14857.9	15357.2	16375.3	16958.9	16881.1	15277.7	14729.8	14891.9	13979.2	13755.5
65°	14403.9	14287.2	14895.1	15308.5	15366.9	14575.8	14478.5	13899.8	13016.2	12700.1
67.5°	13852.7	13074.6	13073.0	13308.0	13405.3	13496.1	13954.9	12821.7	11628.5	11294.6
70°	12917.3	11205.4	10689.9	10967.1	10886.0	11652.8	13019.5	11307.5	9955.5	9564.8
72.5°	11202.2	8892.0	8066.9	8423.5	8219.2	9138.4	11391.8	9305.4	8232.2	7752.4
75°	9080.1	6651.6	5800.5	6128.0	6001.5	6932.0	9478.9	6758.6	5904.2	5721.0
77.5°	7050.4	4819.7	4325.2	4279.8	4373.9	5158.5	6953.1	4563.5	3892.4	3767.6
80°	4529.5	3449.8	3479.0	3420.6	3469.3	3252.0	4221.5	2911.6	2636.0	2535.5
82.5°	2981.3	2404.2	2866.2	2645.7	2512.8	2186.9	2768.9	1906.5	1617.9	1562.8
85°	2031.3	1770.3	1611.4	1232.1	1450.9	1684.4	2076.7	1026.2	813.8	737.6
87.5°	917.6	616.0	452.3	278.8	441.0	509.0	1008.4	120.0	92.4	95.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)