

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: P459340

Luminaire Tested: **GALN-SA8A-735-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459340  
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-SA8A-735-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 615mA 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: 29652 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

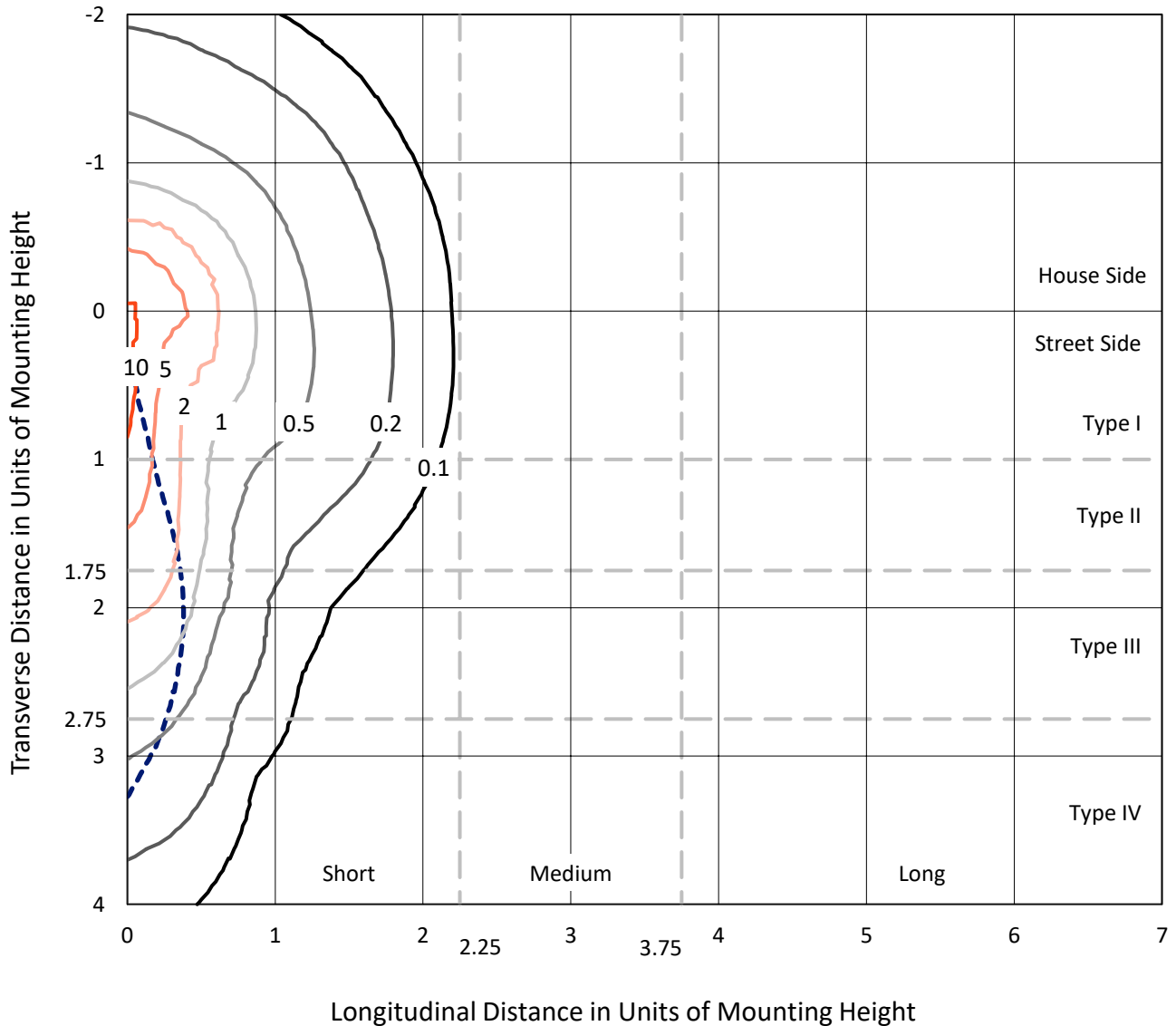
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

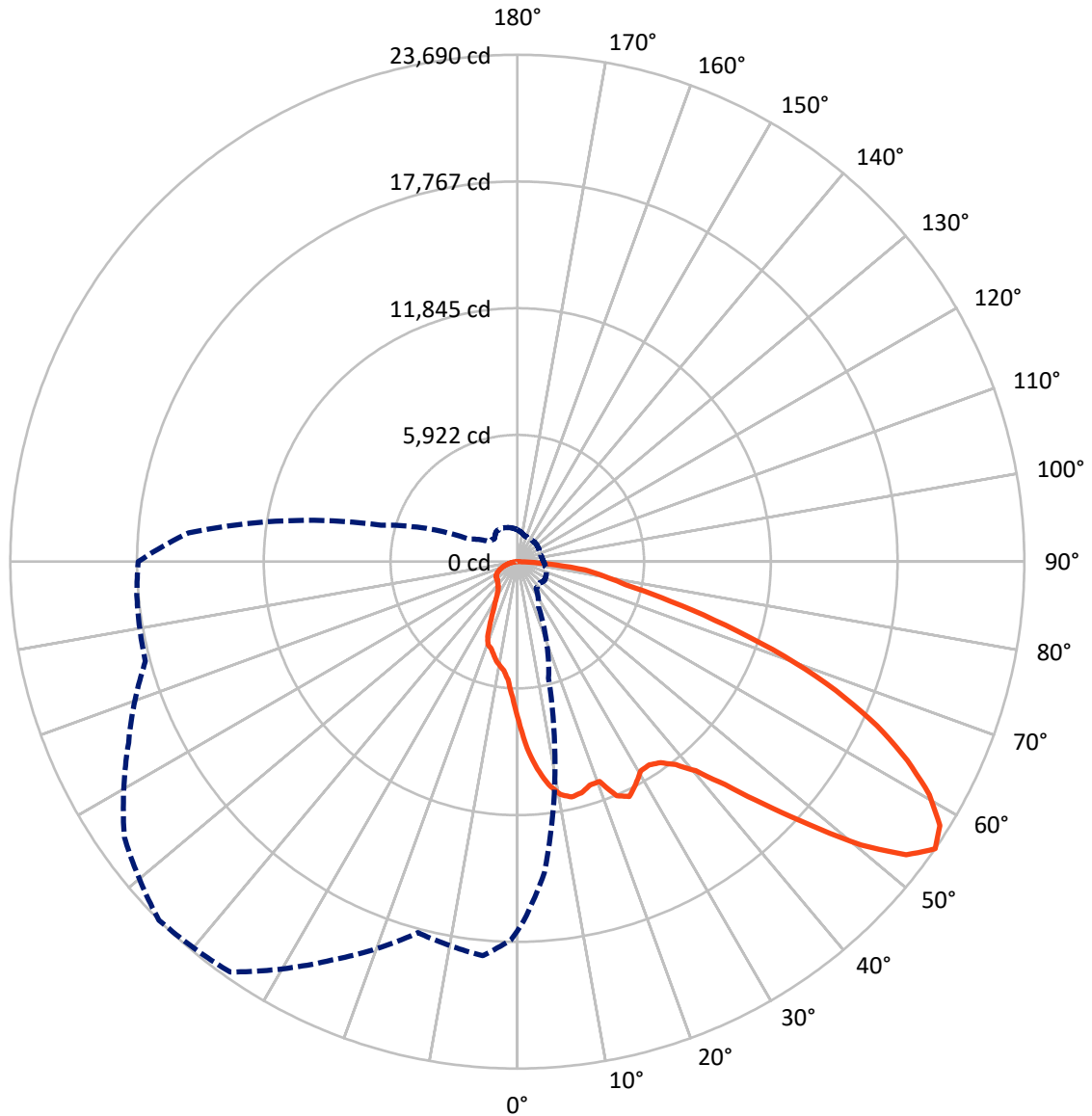
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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
<b>House Side</b>	Lumens	6486.2	0.0	6486.2
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	23165.8	0.0	23165.8
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	29652.0	0.0	29652.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	630.7	2.1
10°-20°	1673.2	5.6
20°-30°	2890.6	9.7
30°-40°	3359.3	11.3
40°-50°	4686.9	15.8
50°-60°	6359.6	21.4
60°-70°	6050.4	20.4
70°-80°	3268.6	11.0
80°-90°	732.6	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°	29652.0	100.0
0°-180°	29652.0	100.0

**Coefficient of Utilization**



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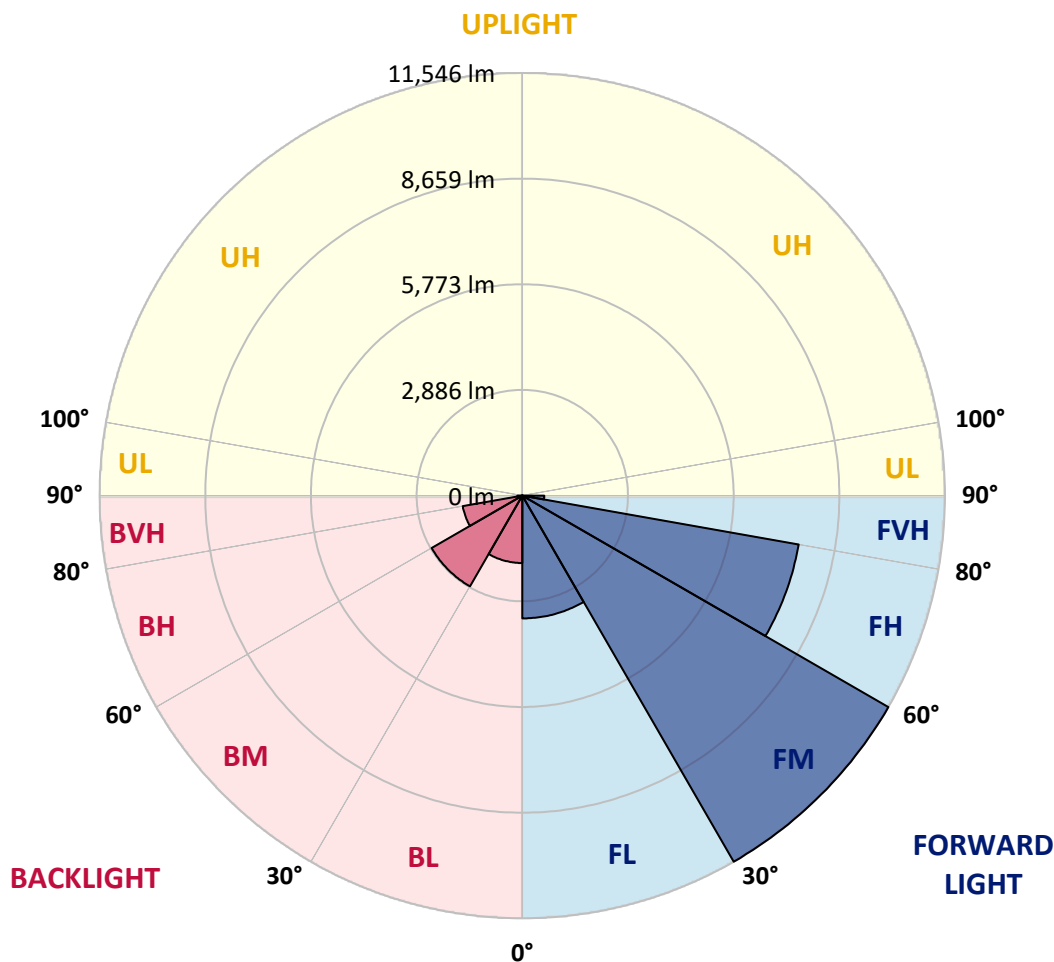
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3353.7	11.3			
FM	(30°-60°)	11545.9	38.9			
FH	(60°-80°)	7667.5	25.9			G4/12000
FVH	(80°-90°)	598.7	2.0			G4/750
BL	(0°-30°)	1840.8	6.2	B3/2500		
BM	(30°-60°)	2860.0	9.6	B3/5000		
BH	(60°-80°)	1651.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	133.9	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-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5
2.5°	8267.0	8235.7	8147.7	7916.9	7684.1	7447.4	7265.4	7038.5	6801.8	6674.7	6512.3
5°	8380.5	8345.3	8137.9	7617.6	7146.1	6651.2	6256.0	5909.8	5768.9	5561.6	5395.3
7.5°	8114.4	8098.8	7787.7	7040.5	6394.9	5747.4	5299.4	5021.6	4769.3	4675.4	4694.9
10°	7871.9	7809.3	7420.0	6443.8	5690.7	5164.4	4843.6	4571.7	4393.7	4346.7	4356.5
12.5°	7670.4	7586.3	7126.5	6042.8	5383.5	4963.0	4554.1	4270.4	4108.1	4153.1	4305.7
15°	7629.3	7515.8	7003.3	5905.9	5215.3	4673.4	4225.5	3898.8	3777.5	3875.3	4119.8
17.5°	7895.3	7752.5	7214.6	5950.8	5054.9	4378.0	3828.3	3454.7	3353.0	3509.5	3828.3
20°	8750.2	8538.9	7873.8	6211.0	5039.2	4231.3	3597.5	3221.9	3264.9	3562.3	3894.9
22.5°	10330.8	10013.9	9028.0	6590.5	5121.4	4194.2	3550.6	3354.9	3591.6	3844.0	4063.1
25°	10643.8	10395.4	9235.4	6676.6	5103.8	4168.7	3683.6	3781.4	4045.5	4170.7	4094.4
27.5°	10819.9	10536.2	9221.7	6250.2	4563.9	3781.4	3521.2	3683.6	3750.1	3628.8	3421.4
30°	11230.7	10935.3	9454.5	5802.2	3757.9	2805.2	2459.0	2392.5	2437.5	2460.9	2386.6
32.5°	11796.1	11504.6	9892.6	5508.7	3249.3	2320.1	1979.7	1885.8	1864.3	1838.9	1809.5
35°	12527.7	12079.7	10323.0	5320.9	3040.0	2146.0	1833.0	1760.6	1731.3	1696.1	1664.8
37.5°	13271.1	12801.6	10866.9	5123.4	2901.1	2024.7	1735.2	1701.9	1651.1	1613.9	1568.9
40°	14061.4	13535.1	11361.8	4951.2	2766.1	1946.4	1664.8	1660.8	1594.3	1551.3	1498.5
42.5°	14746.1	14204.2	11803.9	4845.6	2662.4	1864.3	1621.7	1633.5	1565.0	1500.4	1432.0
45°	15289.9	14757.8	12212.7	4845.6	2578.3	1782.1	1613.9	1606.1	1537.6	1457.4	1379.1
47.5°	15767.2	15217.5	12611.8	4968.8	2525.5	1713.7	1570.9	1584.5	1514.1	1412.4	1336.1
50°	16136.9	15651.8	13149.8	5160.5	2472.7	1658.9	1516.1	1590.4	1494.6	1388.9	1300.9
52.5°	16608.4	16174.1	13797.3	5422.7	2427.7	1598.2	1467.2	1590.4	1492.6	1390.9	1295.0
55°	17261.8	16804.0	14577.8	5639.8	2355.3	1541.5	1424.1	1545.4	1486.7	1381.1	1279.4
57.5°	17719.5	17377.2	15129.5	5784.6	2251.6	1469.1	1385.0	1502.4	1461.3	1343.9	1232.4
58°	17741.0	17406.5	15209.7	5817.8	2226.2	1455.4	1375.2	1482.8	1449.6	1328.3	1216.8
60°	17494.6	17207.0	15225.3	5770.9	2081.4	1387.0	1324.4	1402.6	1387.0	1236.3	1132.7
62.5°	16598.6	16291.5	14593.5	5389.4	1889.7	1302.8	1246.1	1295.0	1259.8	1107.2	1011.4
65°	15325.1	14759.7	13294.5	4790.8	1752.8	1212.9	1140.5	1144.4	1107.2	997.7	913.6
67.5°	13629.0	12997.2	11256.1	4037.7	1649.1	1113.1	1015.3	1005.5	960.5	890.1	821.6
70°	11541.7	11109.4	9147.3	3284.5	1533.7	1003.5	874.4	868.6	841.2	788.4	727.7
72.5°	9354.7	8805.0	7386.7	2629.2	1392.8	897.9	743.4	755.1	719.9	682.7	627.9
75°	6903.5	6543.6	5710.2	2108.8	1203.1	782.5	620.1	624.0	608.4	569.3	526.2
77.5°	4546.3	4438.7	4084.6	1385.0	925.3	622.1	506.7	510.6	498.8	463.6	418.6
80°	3059.5	2987.2	2768.1	892.0	618.2	449.9	391.2	395.2	393.2	356.0	295.4
82.5°	1885.8	1854.5	1784.1	602.5	428.4	322.8	258.2	270.0	291.5	250.4	201.5
85°	890.1	892.0	1077.9	328.6	252.4	207.4	140.8	150.6	150.6	150.6	113.5
87.5°	115.4	121.3	148.7	138.9	91.9	78.2	50.9	43.0	37.2	48.9	35.2
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°	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5
2.5°	6455.6	6416.4	6332.3	6312.7	6301.0	6334.3	6246.2	6269.7	6230.6	6340.1	6322.5
5°	5405.1	5409.0	5477.4	5522.4	5538.1	5522.4	5463.7	5362.0	5283.8	5252.5	5260.3
7.5°	4657.8	4726.2	4843.6	4974.7	5094.0	5129.2	5096.0	4902.3	4691.0	4558.0	4515.0
10°	4409.3	4501.3	4636.3	4739.9	4845.6	4929.7	4947.3	4796.7	4546.3	4231.3	4108.1
12.5°	4423.0	4548.2	4677.3	4710.6	4700.8	4734.1	4718.4	4693.0	4528.7	4127.6	3922.2
15°	4293.9	4442.6	4532.6	4515.0	4483.7	4454.3	4413.3	4348.7	4290.0	4008.3	3781.4
17.5°	3996.6	4149.2	4223.5	4229.4	4229.4	4221.5	4121.8	4098.3	4090.5	3953.5	3814.6
20°	4051.3	4135.5	4102.2	4047.4	4063.1	4115.9	4057.2	4045.5	4090.5	4151.1	4125.7
22.5°	4082.6	4053.3	3802.9	3560.3	3505.6	3669.9	3703.1	3834.2	4016.1	4235.2	4378.0
25°	3889.0	3652.3	3204.3	2930.4	2775.9	2928.5	3128.0	3370.6	3642.5	3924.2	4090.5
27.5°	3251.3	3071.3	2750.5	2504.0	2369.0	2392.5	2562.7	2783.7	3036.1	3225.8	3347.1
30°	2449.2	2369.0	2202.7	2118.6	2036.4	2016.9	2089.3	2173.4	2284.9	2308.3	2339.6
32.5°	1803.6	1791.9	1801.7	1774.3	1758.6	1756.7	1735.2	1754.7	1766.5	1780.2	1752.8
35°	1631.5	1615.8	1588.5	1580.6	1570.9	1574.8	1565.0	1555.2	1563.0	1574.8	1582.6
37.5°	1543.5	1520.0	1480.9	1467.2	1467.2	1473.0	1457.4	1453.5	1467.2	1504.3	1523.9
40°	1475.0	1447.6	1402.6	1385.0	1396.7	1412.4	1390.9	1383.1	1416.3	1455.4	1486.7
42.5°	1410.4	1388.9	1345.9	1326.3	1336.1	1365.4	1334.1	1328.3	1371.3	1414.4	1451.5
45°	1355.7	1334.1	1295.0	1285.2	1289.2	1316.5	1295.0	1295.0	1336.1	1383.1	1416.3
47.5°	1312.6	1285.2	1259.8	1252.0	1255.9	1271.5	1267.6	1267.6	1306.8	1355.7	1388.9
50°	1269.6	1246.1	1212.9	1216.8	1226.6	1248.1	1246.1	1252.0	1291.1	1351.8	1387.0
52.5°	1250.0	1214.8	1177.6	1181.6	1210.9	1236.3	1228.5	1234.4	1279.4	1392.8	1443.7
55°	1228.5	1181.6	1138.5	1144.4	1177.6	1214.8	1205.0	1212.9	1265.7	1420.2	1490.6
57.5°	1187.4	1132.7	1085.7	1089.6	1138.5	1177.6	1162.0	1171.8	1234.4	1390.9	1465.2
58°	1169.8	1122.9	1077.9	1079.8	1126.8	1169.8	1152.2	1160.0	1224.6	1383.1	1453.5
60°	1095.5	1068.1	1029.0	1030.9	1075.9	1113.1	1103.3	1111.1	1173.7	1326.3	1379.1
62.5°	993.8	978.1	968.3	968.3	995.7	1030.9	1040.7	1050.5	1107.2	1199.2	1246.1
65°	884.2	884.2	886.2	886.2	903.8	948.8	954.6	980.1	1032.9	1077.9	1113.1
67.5°	809.9	806.0	809.9	800.1	807.9	835.3	864.7	888.1	942.9	974.2	985.9
70°	714.0	712.1	714.0	700.3	710.1	733.6	753.1	792.3	849.0	872.5	878.3
72.5°	620.1	620.1	624.0	614.3	614.3	639.7	653.4	696.4	749.2	762.9	764.9
75°	522.3	528.2	528.2	514.5	518.4	534.1	551.7	586.9	635.8	645.6	645.6
77.5°	414.7	436.2	436.2	422.5	428.4	430.4	453.8	471.5	508.6	512.5	496.9
80°	301.3	322.8	340.4	328.6	338.4	326.7	340.4	352.1	389.3	371.7	346.3
82.5°	215.2	230.8	244.5	246.5	236.7	215.2	232.8	234.7	252.4	228.9	215.2
85°	119.3	133.0	150.6	142.8	127.2	113.5	119.3	123.2	121.3	115.4	107.6
87.5°	31.3	33.3	37.2	27.4	25.4	21.5	29.3	29.3	33.3	35.2	33.3
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°	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5
2.5°	6336.2	6422.3	6608.1	6749.0	6921.1	7130.5	7376.9	7625.4	7893.4	7977.5	8094.9
5°	5242.7	5457.9	5547.9	5804.1	6058.4	6439.9	6846.8	7318.3	7834.7	8083.1	8321.8
7.5°	4479.8	4595.2	4689.1	4876.9	5182.0	5645.7	6156.3	6745.1	7476.7	7838.6	8188.8
10°	4069.0	4080.7	4196.1	4428.9	4694.9	5103.8	5587.0	6246.2	7062.0	7502.1	7912.9
12.5°	3797.0	3746.2	3871.4	4113.9	4415.2	4792.8	5236.8	5864.8	6762.7	7214.6	7711.5
15°	3558.4	3478.2	3572.1	3820.5	4117.9	4561.9	5039.2	5704.4	6645.3	7171.5	7723.2
17.5°	3564.2	3343.2	3376.5	3585.8	3881.2	4333.0	4912.1	5698.5	6823.3	7429.8	8083.1
20°	4004.4	3650.3	3499.7	3538.8	3824.4	4317.4	4970.8	5972.4	7408.2	8292.5	8990.8
22.5°	4436.7	4223.5	3980.9	3900.7	4057.2	4573.7	5344.4	6619.9	8679.8	10012.0	11273.7
25°	4286.1	4468.0	4407.4	4293.9	4329.1	4757.5	5598.7	7152.0	9667.7	11168.1	12353.6
27.5°	3429.3	3759.9	3826.4	3824.4	3838.1	4190.2	5035.3	6794.0	9790.9	11389.2	12521.8
30°	2410.1	2439.4	2474.6	2543.1	2605.7	2920.6	3939.8	5964.5	9736.1	11488.9	12623.5
32.5°	1739.1	1778.2	1827.1	1921.0	2069.7	2470.7	3446.9	5700.5	10025.7	11901.7	12920.9
35°	1590.4	1635.4	1682.4	1789.9	1930.8	2302.5	3251.3	5590.9	10501.0	12570.7	13454.9
37.5°	1543.5	1594.3	1635.4	1713.7	1827.1	2181.2	3073.2	5516.6	10988.1	13278.9	14170.9
40°	1510.2	1568.9	1602.2	1664.8	1743.0	2069.7	2914.8	5457.9	11459.6	13926.4	14746.1
42.5°	1480.9	1541.5	1584.5	1629.5	1694.1	1969.9	2773.9	5399.2	11868.4	14554.3	15319.2
45°	1445.7	1521.9	1576.7	1611.9	1668.7	1885.8	2666.3	5352.2	12334.0	15111.9	15898.3
47.5°	1416.3	1500.4	1568.9	1610.0	1631.5	1827.1	2580.3	5416.8	12893.5	15694.8	16436.2
50°	1418.3	1498.5	1584.5	1649.1	1592.4	1778.2	2527.4	5673.1	13621.2	16387.3	16860.7
52.5°	1480.9	1578.7	1647.1	1662.8	1537.6	1719.5	2500.1	6121.0	14482.0	16999.6	17289.1
55°	1551.3	1653.0	1727.3	1717.6	1508.3	1645.2	2494.2	6598.4	15424.9	17713.7	17846.7
57.5°	1525.9	1674.5	1788.0	1737.1	1510.2	1572.8	2468.8	6983.7	16213.2	18247.7	18398.3
58°	1518.0	1666.7	1795.8	1733.2	1504.3	1551.3	2462.9	7017.0	16322.8	18284.9	18476.6
60°	1441.7	1598.2	1789.9	1703.9	1471.1	1492.6	2398.3	7124.6	16293.4	18093.2	18523.5
62.5°	1302.8	1432.0	1655.0	1561.1	1369.4	1414.4	2253.6	6991.6	15499.2	17169.8	17836.9
65°	1146.3	1242.2	1390.9	1373.3	1224.6	1334.1	2056.0	6465.3	13908.8	15671.3	16373.6
67.5°	1029.0	1107.2	1201.1	1175.7	1101.4	1226.6	1842.8	5575.3	12124.7	13871.6	14755.8
70°	909.6	970.3	1017.2	999.6	976.2	1120.9	1653.0	4524.8	10415.0	12161.9	13018.7
72.5°	788.4	845.1	884.2	858.8	845.1	1009.4	1498.5	3511.4	8225.9	10033.5	11134.9
75°	659.2	716.0	743.4	714.0	706.2	890.1	1269.6	2623.3	6171.9	7734.9	8685.7
77.5°	510.6	571.2	606.4	596.6	600.6	731.6	1025.1	1795.8	4413.3	5272.0	6273.6
80°	358.0	424.5	448.0	438.2	465.6	557.5	723.8	1140.5	3043.9	3421.4	4127.6
82.5°	221.1	283.7	287.6	297.3	316.9	412.8	545.8	694.5	1911.2	1975.8	2488.3
85°	111.5	135.0	144.8	160.4	178.0	252.4	311.0	430.4	1230.5	931.2	1390.9
87.5°	37.2	39.1	46.9	58.7	72.4	103.7	133.0	176.1	305.2	168.2	430.4
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: P459340

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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5	7441.5
2.5°	8331.6	8497.9	8619.1	8730.6	8623.1	8613.3	8507.6	8337.4	8267.0	8267.0
5°	8822.6	9211.9	9526.8	9728.3	9642.3	9434.9	9092.6	8656.3	8421.6	8380.5
7.5°	8957.6	9726.4	10311.3	10518.6	10373.9	9916.1	9260.8	8525.2	8188.8	8114.4
10°	8875.4	9875.0	10733.8	11062.5	10861.0	10168.5	9274.5	8372.7	7957.9	7871.9
12.5°	8789.3	9894.6	10812.1	11287.4	11156.4	10371.9	9374.2	8272.9	7793.6	7670.4
15°	8851.9	9902.4	10716.2	11207.2	11291.4	10616.5	9538.6	8345.3	7760.4	7629.3
17.5°	9247.1	10051.1	10579.3	10976.4	11271.8	10949.0	10006.1	8691.5	8057.7	7895.3
20°	10072.6	10407.1	10657.5	10964.7	11440.0	11627.8	10962.7	9642.3	8893.0	8750.2
22.5°	12463.1	12402.5	11890.0	11884.1	12572.7	13325.8	13280.8	11575.0	10448.2	10330.8
25°	13359.1	13077.4	12336.0	12156.0	12459.2	13621.2	13453.0	11970.2	10929.4	10643.8
27.5°	13008.9	12310.5	11823.4	11782.4	11682.6	12780.0	13185.0	12130.6	11097.7	10819.9
30°	12987.4	11960.4	11264.0	11346.1	11442.0	12490.5	13333.7	12633.3	11528.1	11230.7
32.5°	13040.2	12009.3	11305.0	11320.7	11606.3	12533.6	13498.0	13181.1	12093.4	11796.1
35°	13253.4	12287.1	11567.2	11530.0	11976.0	12815.3	13777.7	14041.8	12866.1	12527.7
37.5°	13597.7	12840.7	12046.5	12036.7	12684.2	13323.9	14125.9	14910.4	13634.9	13271.1
40°	14104.4	13488.2	12899.4	12846.6	13646.7	14151.4	14577.8	15835.7	14528.9	14061.4
42.5°	14716.7	14264.8	14024.2	14233.5	15002.3	15080.6	15282.1	16690.5	15289.9	14746.1
45°	15284.0	15262.5	15597.0	16152.6	16600.6	16131.1	16017.6	17263.7	15880.7	15289.9
47.5°	15958.9	16541.9	17551.3	18365.1	18834.6	17353.7	16645.5	17637.4	16311.0	15767.2
50°	16643.6	18073.6	19685.5	20820.1	20919.9	18682.0	17077.9	17989.5	16702.3	16136.9
52.5°	17363.5	19296.2	21442.2	22760.7	22567.1	19838.1	17496.5	18228.1	17105.3	16608.4
55°	17989.5	20045.5	22424.2	23689.9	23406.3	20542.4	17948.4	18486.4	17680.4	17261.8
57.5°	18339.6	20108.1	22179.7	23285.0	22977.9	20405.4	18155.8	18678.1	18048.2	17719.5
58°	18390.5	20024.0	21962.6	23050.2	22737.2	20290.0	18153.8	18670.2	18071.6	17741.0
60°	18345.5	19478.2	21154.7	22123.0	21794.3	19566.2	18079.5	18523.5	17774.3	17494.6
62.5°	17928.8	18531.4	19759.9	20464.1	20370.2	18435.5	17774.3	17969.9	16868.6	16598.6
65°	17381.1	17240.2	17973.8	18472.7	18543.1	17588.5	17471.1	16772.7	15706.6	15325.1
67.5°	16716.0	15777.0	15775.0	16058.7	16176.1	16285.6	16839.2	15471.8	14032.0	13629.0
70°	15587.2	13521.5	12899.4	13233.9	13136.1	14061.4	15710.5	13644.7	12013.2	11541.7
72.5°	13517.5	10729.9	9734.2	10164.6	9918.1	11027.3	13746.4	11228.8	9933.7	9354.7
75°	10956.8	8026.4	6999.4	7394.5	7242.0	8364.8	11438.1	8155.5	7124.6	6903.5
77.5°	8507.6	5815.9	5219.2	5164.4	5277.9	6224.7	8390.3	5506.8	4696.9	4546.3
80°	5465.7	4162.9	4198.1	4127.6	4186.3	3924.2	5094.0	3513.4	3180.8	3059.5
82.5°	3597.5	2901.1	3458.6	3192.6	3032.2	2639.0	3341.2	2300.5	1952.3	1885.8
85°	2451.2	2136.2	1944.5	1486.7	1750.8	2032.5	2505.9	1238.3	982.0	890.1
87.5°	1107.2	743.4	545.8	336.5	532.1	614.3	1216.8	144.8	111.5	115.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)