

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: P456411

Luminaire Tested: **GALN-SA7C-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456411
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-SA7C-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA 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: 33542 lumens
Efficiency: N/A
Efficacy: 89.0 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): 377
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



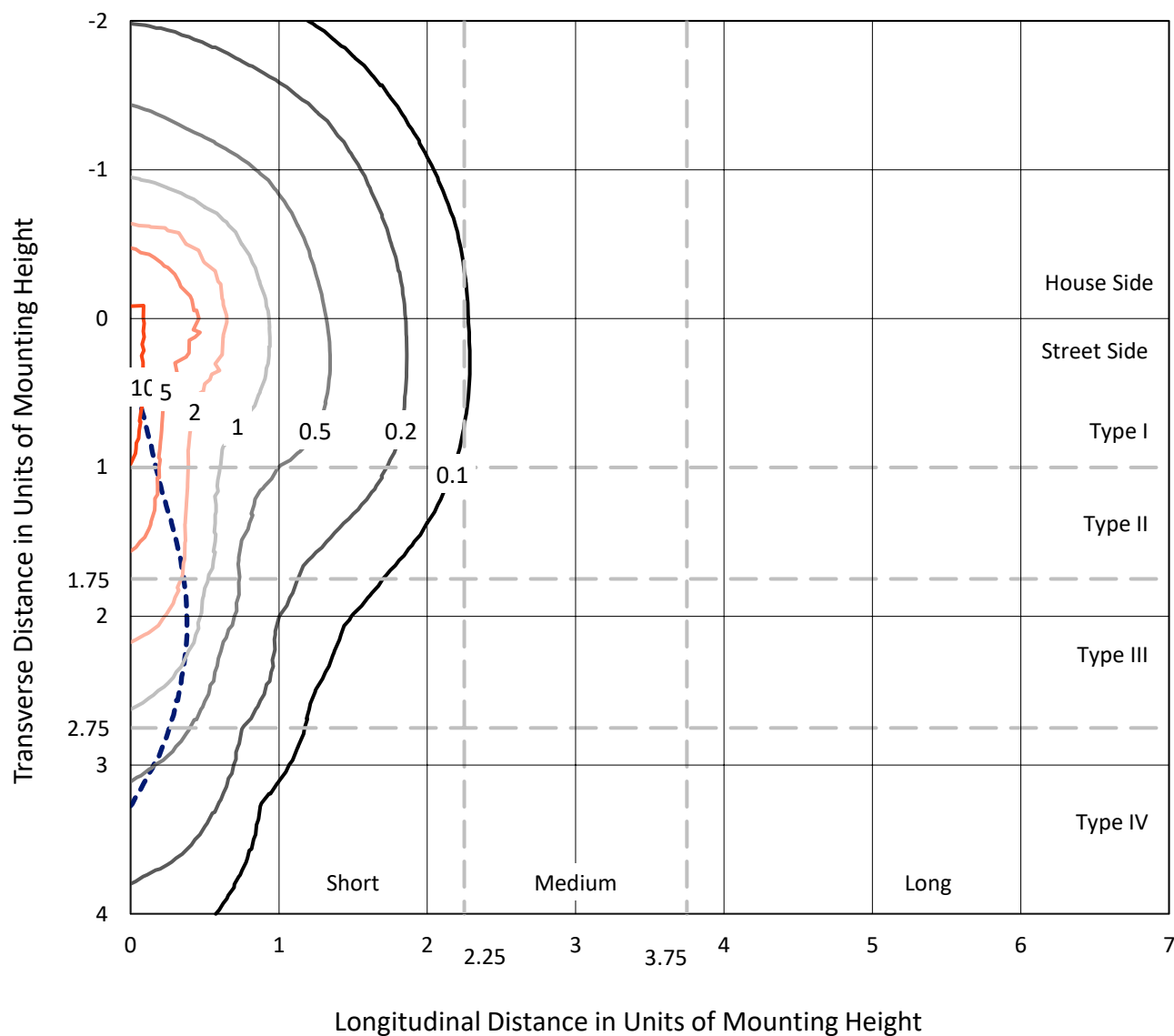
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



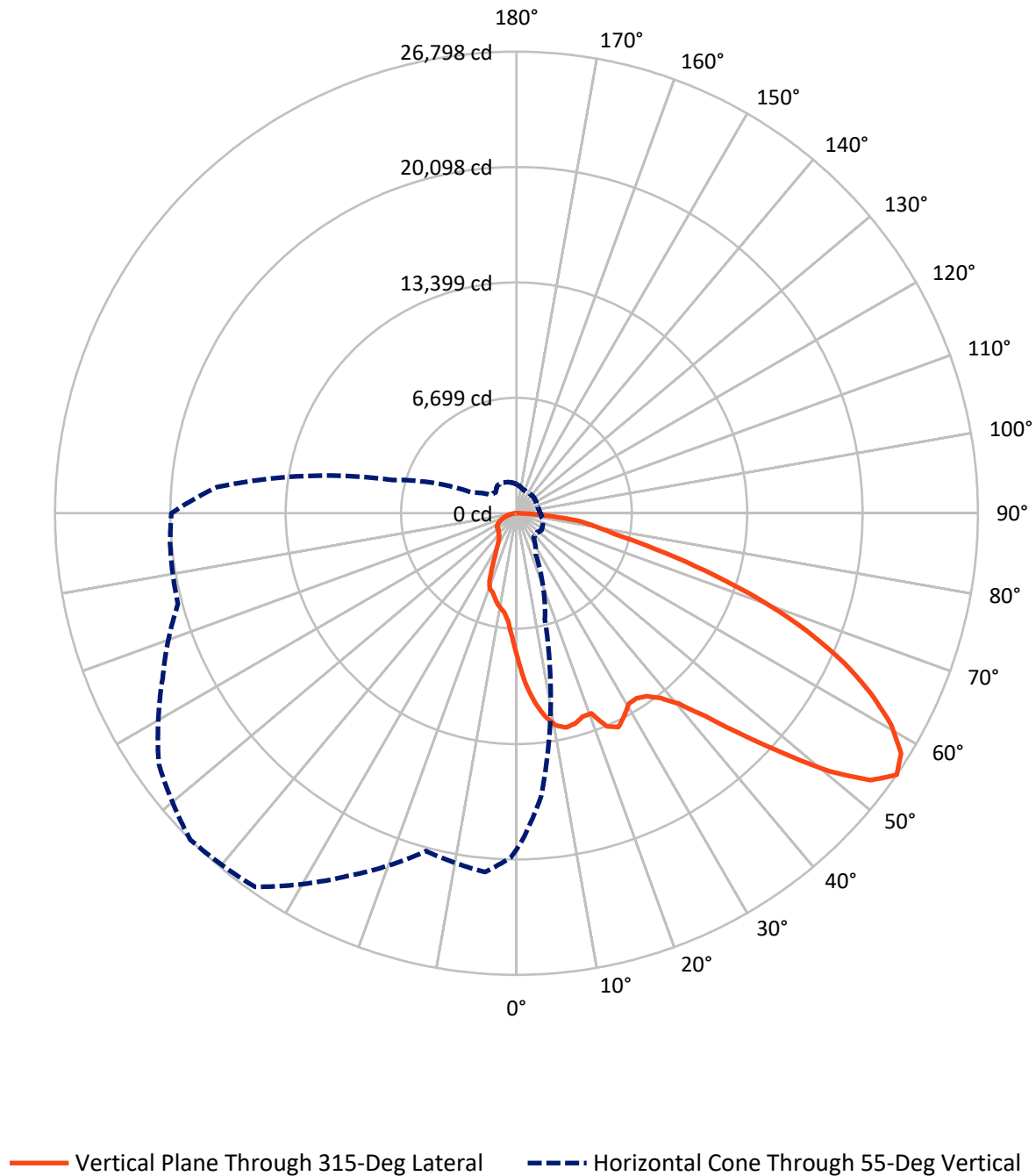
Based on 25 foot mounting height. Maximum calculated value = 14.4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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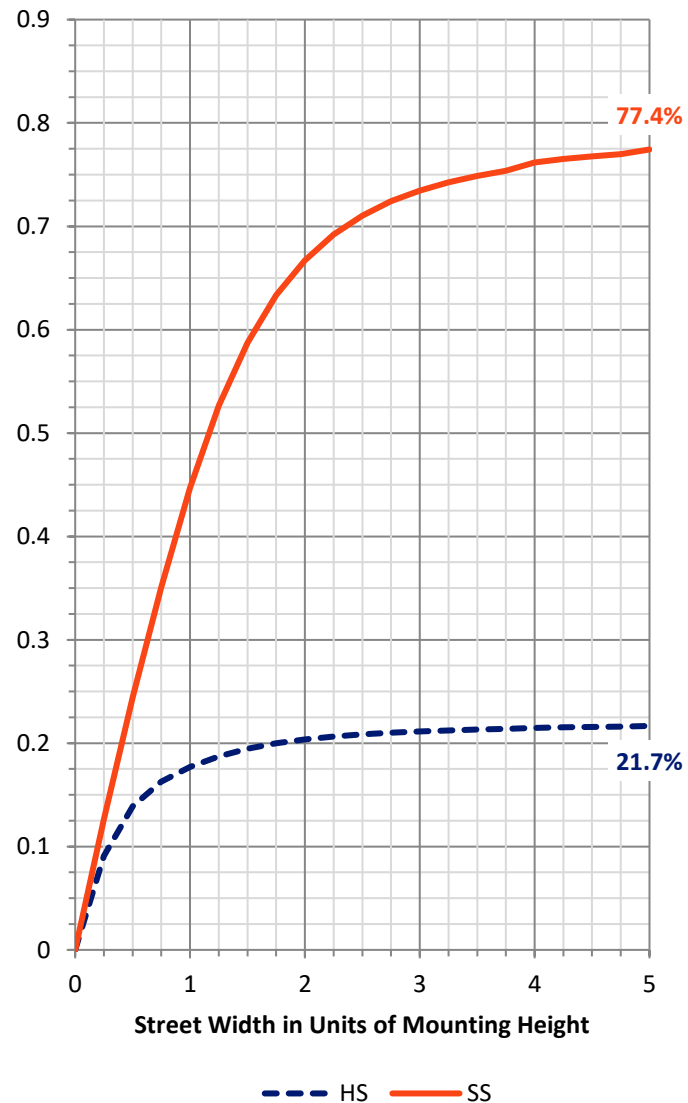
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7337.2	0.0	7337.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	26204.8	0.0	26204.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	33542.0	0.0	33542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.4	2.1
10°-20°	1892.7	5.6
20°-30°	3269.8	9.7
30°-40°	3800.0	11.3
40°-50°	5301.8	15.8
50°-60°	7194.0	21.4
60°-70°	6844.2	20.4
70°-80°	3697.4	11.0
80°-90°	828.7	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°	33542.0	100.0
0°-180°	33542.0	100.0

Coefficient of Utilization



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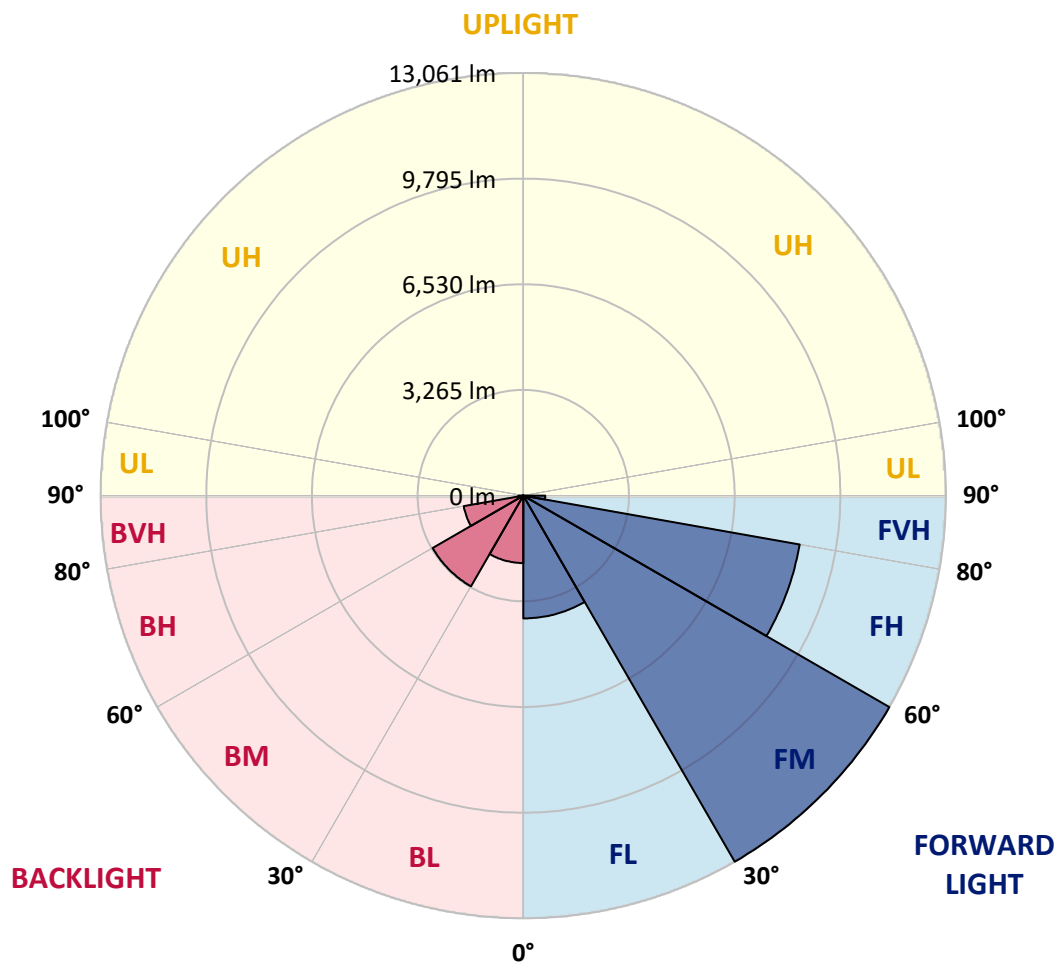
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3793.7	11.3			
FM	(30°-60°)	13060.6	38.9			
FH	(60°-80°)	8673.4	25.9			G4/12000
FVH	(80°-90°)	677.2	2.0			G4/750
BL	(0°-30°)	2082.3	6.2	B3/2500		
BM	(30°-60°)	3235.2	9.6	B3/5000		
BH	(60°-80°)	1868.2	5.6	B3/2500		G3/2500
BVH	(80°-90°)	151.4	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°	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7
2.5°	9351.6	9316.2	9216.6	8955.5	8692.1	8424.4	8218.6	7961.9	7694.1	7550.3	7366.6
5°	9479.9	9440.1	9205.5	8616.9	8083.6	7523.7	7076.7	6685.1	6525.7	6291.2	6103.1
7.5°	9179.0	9161.3	8809.4	7964.1	7233.8	6501.4	5994.6	5680.4	5395.0	5288.7	5310.9
10°	8904.6	8833.8	8393.4	7289.2	6437.2	5842.0	5479.0	5171.5	4970.1	4917.0	4928.0
12.5°	8676.6	8581.5	8061.5	6835.5	6089.8	5614.0	5151.5	4830.7	4647.0	4697.9	4870.5
15°	8630.2	8501.8	7922.1	6680.6	5899.5	5286.5	4779.8	4410.2	4273.0	4383.7	4660.3
17.5°	8931.1	8769.6	8161.0	6731.5	5718.0	4952.4	4330.6	3907.9	3792.8	3969.9	4330.6
20°	9898.1	9659.1	8906.8	7025.8	5700.3	4786.4	4069.5	3644.6	3693.3	4029.6	4405.8
22.5°	11686.1	11327.6	10212.4	7455.1	5793.3	4744.4	4016.3	3795.1	4062.8	4348.3	4596.1
25°	12040.2	11759.2	10446.9	7552.5	5773.4	4715.6	4166.8	4277.5	4576.2	4717.8	4631.5
27.5°	12239.3	11918.5	10431.4	7070.1	5162.6	4277.5	3983.2	4166.8	4242.1	4104.9	3870.3
30°	12704.0	12369.9	10694.8	6563.4	4250.9	3173.2	2781.6	2706.3	2757.2	2783.8	2699.7
32.5°	13343.6	13013.8	11190.4	6231.4	3675.6	2624.5	2239.4	2133.2	2108.9	2080.1	2046.9
35°	14171.2	13664.4	11677.3	6019.0	3438.8	2427.5	2073.5	1991.6	1958.4	1918.6	1883.1
37.5°	15012.1	14481.0	12292.5	5795.5	3281.7	2290.3	1962.8	1925.2	1867.7	1825.6	1774.7
40°	15906.1	15310.8	12852.3	5600.8	3129.0	2201.8	1883.1	1878.7	1803.5	1754.8	1695.1
42.5°	16680.6	16067.6	13352.4	5481.3	3011.7	2108.9	1834.5	1847.7	1770.3	1697.3	1619.8
45°	17295.7	16693.8	13814.9	5481.3	2916.6	2015.9	1825.6	1816.8	1739.3	1648.6	1560.1
47.5°	17835.7	17213.9	14266.3	5620.7	2856.8	1938.5	1776.9	1792.4	1712.8	1597.7	1511.4
50°	18253.9	17705.1	14874.9	5837.5	2797.1	1876.5	1715.0	1799.1	1690.6	1571.1	1471.6
52.5°	18787.2	18296.0	15607.3	6134.1	2746.2	1807.9	1659.6	1799.1	1688.4	1573.3	1464.9
55°	19526.3	19008.5	16490.3	6379.7	2664.3	1743.7	1611.0	1748.2	1681.8	1562.3	1447.2
57.5°	20044.1	19656.9	17114.3	6543.4	2547.0	1661.9	1566.7	1699.5	1653.0	1520.2	1394.1
58°	20068.5	19690.1	17205.0	6581.1	2518.2	1646.4	1555.6	1677.4	1639.7	1502.5	1376.4
60°	19789.6	19464.3	17222.7	6527.9	2354.5	1568.9	1498.1	1586.6	1568.9	1398.5	1281.2
62.5°	18776.1	18428.7	16508.0	6096.4	2137.6	1473.8	1409.6	1464.9	1425.1	1252.5	1144.1
65°	17335.6	16696.1	15038.6	5419.3	1982.7	1372.0	1290.1	1294.5	1252.5	1128.6	1033.4
67.5°	15417.0	14702.3	12732.8	4567.3	1865.4	1259.1	1148.5	1137.4	1086.5	1006.9	929.4
70°	13055.9	12566.9	10347.3	3715.4	1734.9	1135.2	989.1	982.5	951.5	891.8	823.2
72.5°	10581.9	9960.1	8355.8	2974.1	1575.6	1015.7	840.9	854.2	814.3	772.3	710.3
75°	7809.2	7402.0	6459.3	2385.5	1360.9	885.1	701.5	705.9	688.2	643.9	595.3
77.5°	5142.7	5021.0	4620.5	1566.7	1046.7	703.7	573.1	577.6	564.3	524.4	473.6
80°	3460.9	3379.0	3131.2	1009.1	699.3	509.0	442.6	447.0	444.8	402.7	334.1
82.5°	2133.2	2097.8	2018.1	681.6	484.6	365.1	292.1	305.4	329.7	283.2	227.9
85°	1006.9	1009.1	1219.3	371.8	285.5	234.6	159.3	170.4	170.4	170.4	128.3
87.5°	130.6	137.2	168.2	157.1	104.0	88.5	57.5	48.7	42.0	55.3	39.8
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°	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7
2.5°	7302.4	7258.2	7163.0	7140.9	7127.6	7165.3	7065.7	7092.2	7048.0	7171.9	7152.0
5°	6114.1	6118.6	6196.0	6246.9	6264.6	6246.9	6180.5	6065.5	5976.9	5941.5	5950.4
7.5°	5268.8	5346.3	5479.0	5627.3	5762.3	5802.1	5764.5	5545.4	5306.4	5156.0	5107.3
10°	4987.8	5091.8	5244.5	5361.8	5481.3	5576.4	5596.3	5425.9	5142.7	4786.4	4647.0
12.5°	5003.3	5144.9	5291.0	5328.6	5317.5	5355.1	5337.4	5308.7	5122.8	4669.1	4436.8
15°	4857.2	5025.4	5127.2	5107.3	5071.9	5038.7	4992.2	4919.2	4852.8	4534.2	4277.5
17.5°	4520.9	4693.5	4777.6	4784.2	4784.2	4775.4	4662.5	4635.9	4627.1	4472.2	4315.1
20°	4582.8	4678.0	4640.4	4578.4	4596.1	4655.9	4589.5	4576.2	4627.1	4695.7	4666.9
22.5°	4618.2	4585.1	4301.8	4027.4	3965.5	4151.3	4189.0	4337.2	4543.0	4790.8	4952.4
25°	4399.2	4131.4	3624.7	3314.9	3140.1	3312.7	3538.4	3812.8	4120.4	4439.0	4627.1
27.5°	3677.8	3474.2	3111.3	2832.5	2679.8	2706.3	2898.9	3148.9	3434.4	3649.0	3786.2
30°	2770.5	2679.8	2491.7	2396.5	2303.6	2281.5	2363.3	2458.5	2584.6	2611.2	2646.6
32.5°	2040.3	2027.0	2038.0	2007.1	1989.4	1987.2	1962.8	1984.9	1998.2	2013.7	1982.7
35°	1845.5	1827.8	1796.8	1788.0	1776.9	1781.4	1770.3	1759.2	1768.1	1781.4	1790.2
37.5°	1745.9	1719.4	1675.1	1659.6	1659.6	1666.3	1648.6	1644.2	1659.6	1701.7	1723.8
40°	1668.5	1637.5	1586.6	1566.7	1580.0	1597.7	1573.3	1564.5	1602.1	1646.4	1681.8
42.5°	1595.5	1571.1	1522.4	1500.3	1511.4	1544.6	1509.2	1502.5	1551.2	1599.9	1641.9
45°	1533.5	1509.2	1464.9	1453.9	1458.3	1489.3	1464.9	1464.9	1511.4	1564.5	1602.1
47.5°	1484.8	1453.9	1425.1	1416.2	1420.7	1438.4	1433.9	1433.9	1478.2	1533.5	1571.1
50°	1436.1	1409.6	1372.0	1376.4	1387.5	1411.8	1409.6	1416.2	1460.5	1529.1	1568.9
52.5°	1414.0	1374.2	1332.1	1336.6	1369.8	1398.5	1389.7	1396.3	1447.2	1575.6	1633.1
55°	1389.7	1336.6	1287.9	1294.5	1332.1	1374.2	1363.1	1372.0	1431.7	1606.5	1686.2
57.5°	1343.2	1281.2	1228.1	1232.6	1287.9	1332.1	1314.4	1325.5	1396.3	1573.3	1657.4
58°	1323.3	1270.2	1219.3	1221.5	1274.6	1323.3	1303.4	1312.2	1385.3	1564.5	1644.2
60°	1239.2	1208.2	1164.0	1166.2	1217.1	1259.1	1248.1	1256.9	1327.7	1500.3	1560.1
62.5°	1124.1	1106.4	1095.4	1095.4	1126.3	1166.2	1177.2	1188.3	1252.5	1356.5	1409.6
65°	1000.2	1000.2	1002.4	1002.4	1022.3	1073.2	1079.9	1108.6	1168.4	1219.3	1259.1
67.5°	916.1	911.7	916.1	905.1	913.9	944.9	978.1	1004.6	1066.6	1102.0	1115.3
70°	807.7	805.5	807.7	792.2	803.3	829.8	852.0	896.2	960.4	986.9	993.6
72.5°	701.5	701.5	705.9	694.8	694.8	723.6	739.1	787.8	847.5	863.0	865.2
75°	590.8	597.5	597.5	582.0	586.4	604.1	624.0	663.9	719.2	730.2	730.2
77.5°	469.1	493.5	493.5	478.0	484.6	486.8	513.4	533.3	575.3	579.8	562.1
80°	340.8	365.1	385.0	371.8	382.8	369.5	385.0	398.3	440.4	420.4	391.7
82.5°	243.4	261.1	276.6	278.8	267.8	243.4	263.3	265.5	285.5	258.9	243.4
85°	135.0	150.5	170.4	161.5	143.8	128.3	135.0	139.4	137.2	130.6	121.7
87.5°	35.4	37.6	42.0	31.0	28.8	24.3	33.2	33.2	37.6	39.8	37.6
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°	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7
2.5°	7167.5	7264.8	7475.1	7634.4	7829.1	8065.9	8344.7	8625.7	8928.9	9024.1	9156.8
5°	5930.5	6173.9	6275.7	6565.6	6853.2	7284.7	7745.0	8278.3	8862.5	9143.6	9413.5
7.5°	5067.5	5198.0	5304.2	5516.7	5861.9	6386.3	6963.9	7630.0	8457.6	8866.9	9263.0
10°	4602.8	4616.0	4746.6	5009.9	5310.9	5773.4	6319.9	7065.7	7988.4	8486.3	8951.0
12.5°	4295.2	4237.6	4379.3	4653.7	4994.4	5421.5	5923.8	6634.2	7649.9	8161.0	8723.1
15°	4025.2	3934.5	4040.7	4321.7	4658.1	5160.4	5700.3	6452.7	7517.1	8112.4	8736.4
17.5°	4031.8	3781.8	3819.4	4056.2	4390.3	4901.5	5556.5	6446.1	7718.5	8404.5	9143.6
20°	4529.7	4129.2	3958.8	4003.1	4326.1	4883.8	5622.9	6755.9	8380.1	9380.3	10170.3
22.5°	5018.8	4777.6	4503.2	4412.4	4589.5	5173.7	6045.5	7488.3	9818.5	11325.4	12752.7
25°	4848.4	5054.2	4985.6	4857.2	4897.1	5381.7	6333.2	8090.2	10936.0	12633.2	13974.2
27.5°	3879.1	4253.1	4328.4	4326.1	4341.6	4740.0	5695.9	7685.3	11075.4	12883.3	14164.5
30°	2726.2	2759.4	2799.3	2876.7	2947.5	3303.8	4456.7	6747.0	11013.4	12996.1	14279.6
32.5°	1967.2	2011.5	2066.8	2173.0	2341.2	2794.8	3899.1	6448.3	11340.9	13463.1	14616.0
35°	1799.1	1850.0	1903.1	2024.8	2184.1	2604.5	3677.8	6324.4	11878.6	14219.9	15220.1
37.5°	1745.9	1803.5	1850.0	1938.5	2066.8	2467.3	3476.4	6240.3	12429.7	15020.9	16030.0
40°	1708.3	1774.7	1812.3	1883.1	1971.7	2341.2	3297.2	6173.9	12963.0	15753.4	16680.6
42.5°	1675.1	1743.7	1792.4	1843.3	1916.3	2228.4	3137.8	6107.5	13425.4	16463.7	17328.9
45°	1635.3	1721.6	1783.6	1823.4	1887.6	2133.2	3016.1	6054.4	13952.1	17094.4	17983.9
47.5°	1602.1	1697.3	1774.7	1821.2	1845.5	2066.8	2918.8	6127.4	14585.0	17753.8	18592.5
50°	1604.3	1695.1	1792.4	1865.4	1801.3	2011.5	2859.0	6417.3	15408.2	18537.2	19072.7
52.5°	1675.1	1785.8	1863.2	1880.9	1739.3	1945.1	2828.0	6924.0	16381.8	19229.8	19557.3
55°	1754.8	1869.9	1954.0	1942.9	1706.1	1861.0	2821.4	7464.0	17448.4	20037.5	20188.0
57.5°	1726.0	1894.2	2022.6	1965.0	1708.3	1779.1	2792.6	7899.9	18340.2	20641.6	20812.0
58°	1717.2	1885.4	2031.4	1960.6	1701.7	1754.8	2786.0	7937.5	18464.1	20683.6	20900.5
60°	1630.9	1807.9	2024.8	1927.4	1664.1	1688.4	2713.0	8059.2	18430.9	20466.8	20953.6
62.5°	1473.8	1619.8	1872.1	1765.9	1549.0	1599.9	2549.2	7908.8	17532.5	19422.3	20176.9
65°	1296.7	1405.2	1573.3	1553.4	1385.3	1509.2	2325.7	7313.5	15733.5	17727.2	18521.7
67.5°	1164.0	1252.5	1358.7	1329.9	1245.8	1387.5	2084.5	6306.7	13715.3	15691.4	16691.6
70°	1029.0	1097.6	1150.7	1130.8	1104.2	1268.0	1869.9	5118.4	11781.3	13757.4	14726.6
72.5°	891.8	956.0	1000.2	971.4	956.0	1141.8	1695.1	3972.1	9305.1	11349.8	12595.6
75°	745.7	809.9	840.9	807.7	798.8	1006.9	1436.1	2967.4	6981.6	8749.7	9825.1
77.5°	577.6	646.2	686.0	674.9	679.3	827.6	1159.5	2031.4	4992.2	5963.7	7096.7
80°	405.0	480.2	506.7	495.7	526.7	630.7	818.8	1290.1	3443.2	3870.3	4669.1
82.5°	250.1	320.9	325.3	336.4	358.5	466.9	617.4	785.6	2162.0	2235.0	2814.8
85°	126.1	152.7	163.8	181.5	201.4	285.5	351.8	486.8	1391.9	1053.3	1573.3
87.5°	42.0	44.3	53.1	66.4	81.9	117.3	150.5	199.2	345.2	190.3	486.8
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: P456411

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7	8417.7
2.5°	9424.6	9612.7	9749.9	9876.0	9754.3	9743.2	9623.7	9431.2	9351.6	9351.6
5°	9980.0	10420.4	10776.6	11004.6	10907.2	10672.6	10285.4	9791.9	9526.4	9479.9
7.5°	10132.7	11002.4	11664.0	11898.6	11734.8	11217.0	10475.7	9643.7	9263.0	9179.0
10°	10039.8	11170.5	12142.0	12513.7	12285.8	11502.5	10491.2	9471.1	9001.9	8904.6
12.5°	9942.4	11192.7	12230.5	12768.2	12620.0	11732.6	10604.0	9358.2	8816.0	8676.6
15°	10013.2	11201.5	12122.1	12677.5	12772.6	12009.2	10789.9	9440.1	8778.4	8630.2
17.5°	10460.2	11369.7	11967.2	12416.4	12750.5	12385.4	11318.8	9831.8	9114.8	8931.1
20°	11394.0	11772.4	12055.7	12403.1	12940.8	13153.3	12400.9	10907.2	10059.7	9898.1
22.5°	14098.2	14029.6	13449.8	13443.1	14222.1	15074.0	15023.1	13093.5	11818.9	11686.1
25°	15111.6	14793.0	13954.3	13750.7	14093.7	15408.2	15217.9	13540.5	12363.3	12040.2
27.5°	14715.5	13925.5	13374.5	13328.1	13215.2	14456.6	14914.7	13722.0	12553.6	12239.3
30°	14691.2	13529.4	12741.7	12834.6	12943.0	14129.1	15082.9	14290.7	13040.4	12704.0
32.5°	14750.9	13584.8	12788.1	12805.8	13128.9	14177.8	15268.8	14910.3	13679.9	13343.6
35°	14992.1	13899.0	13084.7	13042.6	13547.1	14496.5	15585.2	15883.9	14554.0	14171.2
37.5°	15381.6	14525.2	13626.8	13615.7	14348.2	15071.8	15979.1	16866.4	15423.7	15012.1
40°	15954.7	15257.7	14591.6	14531.9	15436.9	16007.9	16490.3	17913.1	16434.9	15906.1
42.5°	16647.4	16136.2	15864.0	16100.8	16970.4	17059.0	17286.9	18880.1	17295.7	16680.6
45°	17289.1	17264.8	17643.2	18271.6	18778.4	18247.3	18118.9	19528.5	17964.0	17295.7
47.5°	18052.5	18712.0	19853.8	20774.4	21305.4	19630.3	18829.3	19951.2	18450.9	17835.7
50°	18827.0	20444.6	22268.0	23551.5	23664.4	21132.8	19318.3	20349.5	18893.4	18253.9
52.5°	19641.4	21827.7	24255.2	25746.7	25527.6	22440.6	19791.8	20619.5	19349.3	18787.2
55°	20349.5	22675.2	25366.1	26797.8	26476.9	23237.3	20303.0	20911.6	19999.9	19526.3
57.5°	20745.6	22746.0	25089.4	26339.7	25992.3	23082.4	20537.6	21128.4	20415.9	20044.1
58°	20803.1	22650.9	24843.8	26074.2	25720.1	22951.8	20535.4	21119.6	20442.4	20068.5
60°	20752.2	22033.5	23929.9	25025.3	24653.5	22133.1	20451.3	20953.6	20106.1	19789.6
62.5°	20280.9	20962.5	22352.1	23148.8	23042.5	20854.0	20106.1	20327.4	19081.5	18776.1
65°	19661.3	19502.0	20331.8	20896.1	20975.7	19895.9	19763.1	18973.1	17767.1	17335.6
67.5°	18908.9	17846.7	17844.5	18165.4	18298.2	18422.1	19048.3	17501.5	15872.9	15417.0
70°	17632.1	15295.3	14591.6	14970.0	14859.4	15906.1	17771.5	15434.7	13589.2	13055.9
72.5°	15290.9	12137.6	11011.2	11498.0	11219.2	12473.9	15549.8	12701.8	11236.9	10581.9
75°	12394.2	9079.4	7917.6	8364.6	8192.0	9462.2	12938.6	9225.4	8059.2	7809.2
77.5°	9623.7	6578.8	5903.9	5842.0	5970.3	7041.3	9491.0	6229.2	5313.1	5142.7
80°	6182.7	4709.0	4748.8	4669.1	4735.5	4439.0	5762.3	3974.3	3598.1	3460.9
82.5°	4069.5	3281.7	3912.3	3611.4	3429.9	2985.2	3779.6	2602.3	2208.4	2133.2
85°	2772.7	2416.4	2199.6	1681.8	1980.5	2299.2	2834.7	1400.7	1110.9	1006.9
87.5°	1252.5	840.9	617.4	380.6	601.9	694.8	1376.4	163.8	126.1	130.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)