

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: P647506

Luminaire Tested: **GALN-SA6D-835-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647506
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-SA6D-835-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 30961.4 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

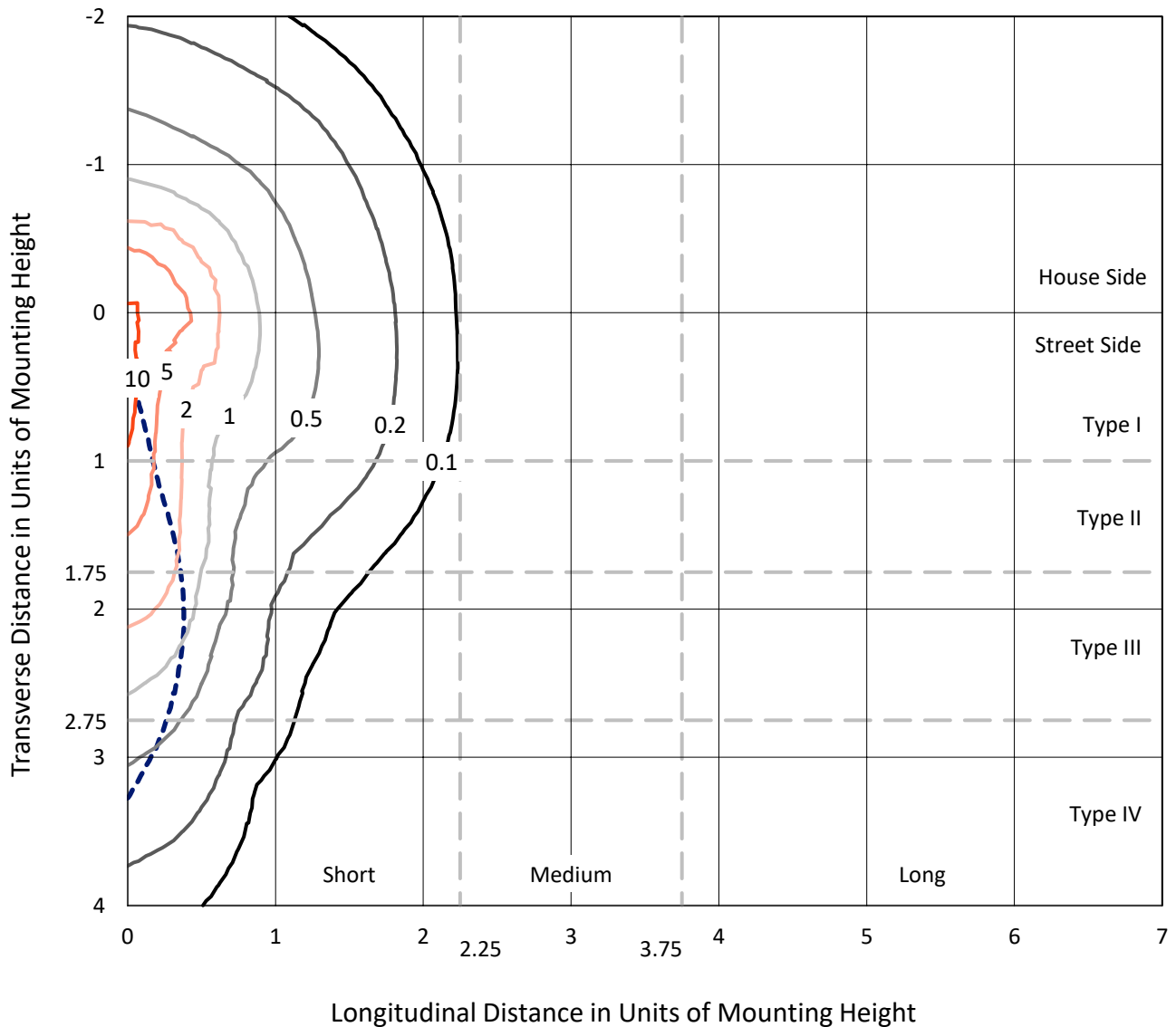
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

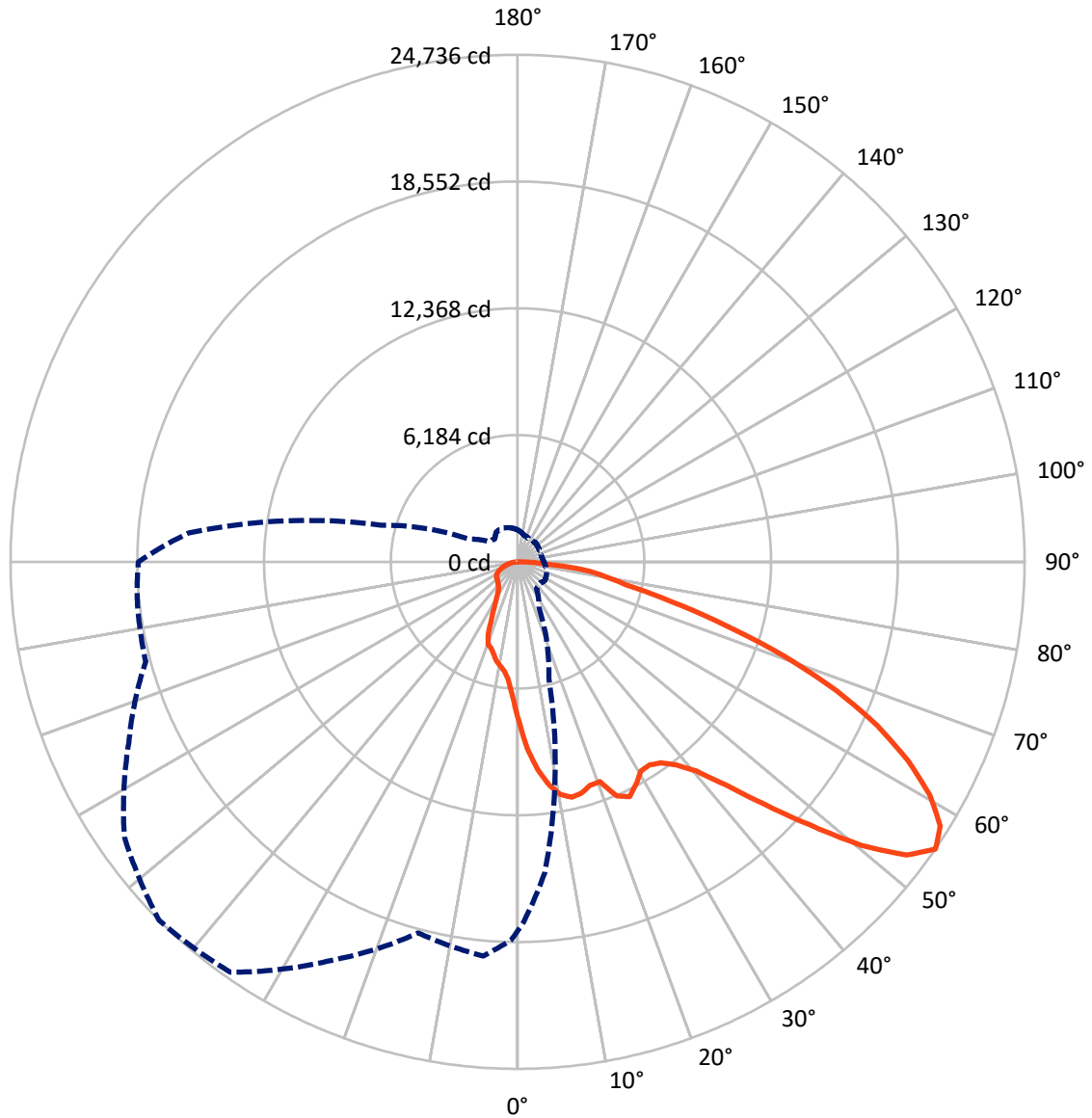
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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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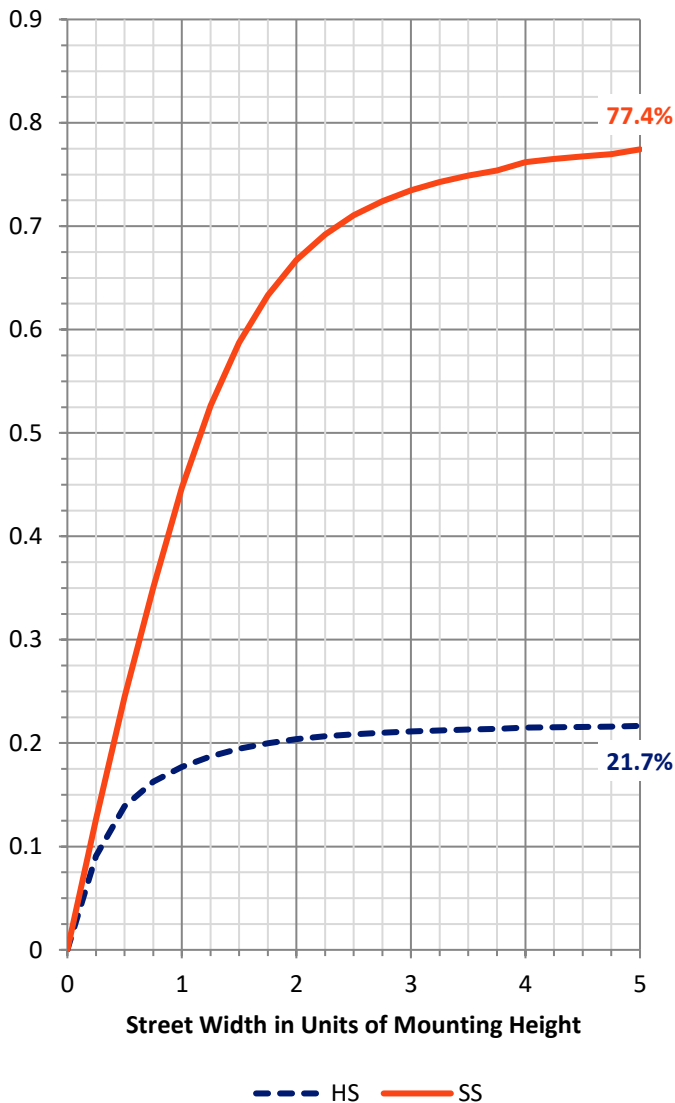
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6772.7	0.0	6772.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	24188.7	0.0	24188.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	30961.4	0.0	30961.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.5	2.1
10°-20°	1747.1	5.6
20°-30°	3018.2	9.7
30°-40°	3507.7	11.3
40°-50°	4893.9	15.8
50°-60°	6640.5	21.4
60°-70°	6317.6	20.4
70°-80°	3413.0	11.0
80°-90°	764.9	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°	30961.4	100.0
0°-180°	30961.4	100.0



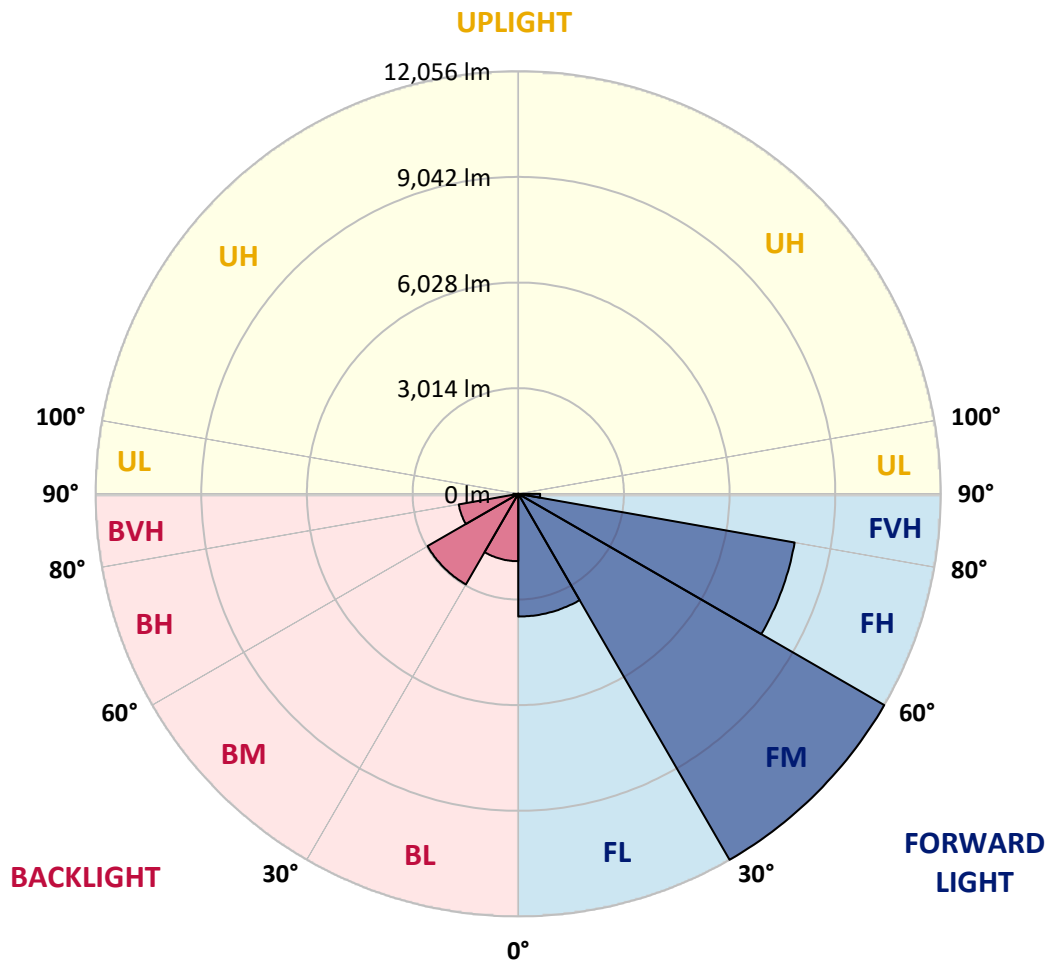
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3501.8	11.3			
FM (30°-60°)	12055.7	38.9			
FH (60°-80°)	8006.1	25.9			G4/12000
FVH (80°-90°)	625.1	2.0			G4/750
BL (0°-30°)	1922.1	6.2	B3/2500		
BM (30°-60°)	2986.3	9.6	B3/5000		
BH (60°-80°)	1724.5	5.6	B3/2500		G3/2500
BVH (80°-90°)	139.8	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°	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1
2.5°	8632.1	8599.4	8507.5	8266.4	8023.4	7776.2	7586.3	7349.3	7102.2	6969.4	6799.9
5°	8750.6	8713.8	8497.3	7953.9	7461.7	6944.9	6532.3	6170.7	6023.7	5807.1	5633.5
7.5°	8472.8	8456.4	8131.6	7351.4	6677.3	6001.2	5533.5	5243.4	4979.9	4881.8	4902.3
10°	8219.5	8154.1	7747.6	6728.4	5942.0	5392.5	5057.5	4773.6	4587.7	4538.7	4548.9
12.5°	8009.1	7921.2	7441.2	6309.6	5621.2	5182.1	4755.2	4459.0	4289.5	4336.5	4495.8
15°	7966.2	7847.7	7312.5	6166.7	5445.6	4879.8	4412.0	4070.9	3944.3	4046.4	4301.7
17.5°	8244.0	8094.9	7533.2	6213.7	5278.1	4571.4	3997.4	3607.3	3501.0	3664.4	3997.4
20°	9136.6	8916.0	8221.5	6485.3	5261.8	4418.2	3756.4	3364.2	3409.1	3719.6	4066.8
22.5°	10787.0	10456.1	9426.7	6881.6	5347.6	4379.4	3707.3	3503.1	3750.3	4013.7	4242.5
25°	11113.8	10854.4	9643.2	6971.4	5329.2	4352.8	3846.3	3948.4	4224.1	4354.8	4275.2
27.5°	11297.7	11001.5	9628.9	6526.1	4765.4	3948.4	3676.7	3846.3	3915.7	3789.0	3572.5
30°	11726.7	11418.2	9872.0	6058.4	3923.8	2929.1	2567.5	2498.1	2545.1	2569.6	2492.0
32.5°	12317.0	12012.6	10329.5	5752.0	3392.8	2422.5	2067.1	1969.1	1946.6	1920.1	1889.4
35°	13080.9	12613.1	10778.9	5555.9	3174.2	2240.7	1914.0	1838.3	1807.7	1770.9	1738.3
37.5°	13857.1	13366.8	11346.7	5349.6	3029.2	2114.1	1811.8	1777.1	1723.9	1685.2	1638.2
40°	14682.3	14132.8	11863.5	5169.8	2888.3	2032.4	1738.3	1734.2	1664.7	1619.8	1564.7
42.5°	15397.2	14831.4	12325.1	5059.6	2780.0	1946.6	1693.3	1705.6	1634.1	1566.7	1495.2
45°	15965.1	15409.4	12752.0	5059.6	2692.2	1860.8	1685.2	1677.0	1605.5	1521.8	1440.0
47.5°	16463.4	15889.5	13168.7	5188.2	2637.0	1789.3	1640.2	1654.5	1581.0	1474.8	1395.1
50°	16849.5	16342.9	13730.5	5388.4	2581.9	1732.2	1583.0	1660.7	1560.5	1450.3	1358.3
52.5°	17341.8	16888.3	14406.6	5662.1	2534.9	1668.8	1531.9	1660.7	1558.5	1452.3	1352.2
55°	18024.0	17546.0	15221.5	5888.9	2459.3	1609.6	1487.0	1613.7	1552.4	1442.1	1335.9
57.5°	18502.0	18144.5	15797.6	6040.0	2351.0	1534.0	1446.2	1568.7	1525.8	1403.3	1286.9
58°	18524.4	18175.2	15881.3	6074.7	2324.5	1519.7	1435.9	1548.3	1513.5	1386.9	1270.5
60°	18267.1	17966.8	15897.6	6025.7	2173.4	1448.2	1382.9	1464.5	1448.2	1290.9	1182.6
62.5°	17331.5	17010.9	15237.9	5627.4	1973.2	1360.4	1301.1	1352.2	1315.4	1156.1	1056.0
65°	16001.9	15411.5	13881.6	5002.4	1830.2	1266.4	1190.9	1194.9	1156.1	1041.7	953.9
67.5°	14230.9	13571.1	11753.2	4216.0	1721.9	1162.3	1060.1	1049.9	1002.9	929.4	857.9
70°	12051.4	11600.0	9551.3	3429.5	1601.4	1047.9	913.1	906.9	878.3	823.2	759.8
72.5°	9767.8	9193.8	7712.9	2745.3	1454.3	937.6	776.2	788.5	751.7	712.8	655.7
75°	7208.4	6832.5	5962.4	2202.0	1256.2	817.1	647.5	651.6	635.2	594.4	549.4
77.5°	4747.0	4634.7	4265.0	1446.2	966.1	649.6	529.1	533.1	520.9	484.1	437.1
80°	3194.6	3119.1	2890.3	931.5	645.4	469.8	408.5	412.6	410.5	371.8	308.4
82.5°	1969.1	1936.4	1862.8	629.1	447.3	337.0	269.6	281.9	304.4	261.4	210.4
85°	929.4	931.5	1125.5	343.2	263.5	216.5	147.0	157.3	157.3	157.3	118.5
87.5°	120.5	126.6	155.3	145.0	96.0	81.7	53.1	44.9	38.8	51.1	36.8
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°	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1
2.5°	6740.6	6699.7	6612.0	6591.5	6579.2	6614.0	6522.1	6546.6	6505.7	6620.1	6601.7
5°	5643.7	5647.9	5719.3	5766.3	5782.6	5766.3	5705.0	5598.8	5517.1	5484.4	5492.6
7.5°	4863.4	4934.9	5057.5	5194.3	5319.0	5355.7	5321.0	5118.8	4898.2	4759.3	4714.4
10°	4604.0	4700.0	4841.0	4949.3	5059.6	5147.4	5165.8	5008.5	4747.0	4418.2	4289.5
12.5°	4618.4	4749.1	4883.9	4918.6	4908.4	4943.2	4926.8	4900.2	4728.6	4309.9	4095.4
15°	4483.5	4638.8	4732.8	4714.4	4681.6	4651.0	4608.1	4540.7	4479.5	4185.3	3948.4
17.5°	4173.1	4332.4	4410.0	4416.1	4416.1	4408.0	4303.8	4279.3	4271.1	4128.1	3983.1
20°	4230.2	4318.1	4283.3	4226.2	4242.5	4297.7	4236.3	4224.1	4271.1	4334.5	4307.8
22.5°	4263.0	4232.3	3970.8	3717.5	3660.4	3831.9	3866.7	4003.6	4193.5	4422.2	4571.4
25°	4060.7	3813.5	3345.8	3059.8	2898.4	3057.8	3266.1	3519.4	3803.3	4097.5	4271.1
27.5°	3394.9	3206.9	2871.9	2614.5	2473.6	2498.1	2675.8	2906.7	3170.1	3368.2	3494.9
30°	2557.4	2473.6	2300.0	2212.1	2126.4	2106.0	2181.5	2269.4	2385.8	2410.3	2443.0
32.5°	1883.3	1871.1	1881.2	1852.7	1836.3	1834.3	1811.8	1832.2	1844.5	1858.8	1830.2
35°	1703.6	1687.2	1658.6	1650.4	1640.2	1644.3	1634.1	1623.9	1632.1	1644.3	1652.4
37.5°	1611.6	1587.1	1546.3	1531.9	1531.9	1538.1	1521.8	1517.7	1531.9	1570.8	1591.2
40°	1540.2	1511.5	1464.5	1446.2	1458.4	1474.8	1452.3	1444.2	1478.9	1519.7	1552.4
42.5°	1472.7	1450.3	1405.3	1384.9	1395.1	1425.8	1393.0	1386.9	1431.9	1476.8	1515.7
45°	1415.5	1393.0	1352.2	1342.0	1346.1	1374.7	1352.2	1352.2	1395.1	1444.2	1478.9
47.5°	1370.6	1342.0	1315.4	1307.3	1311.4	1327.7	1323.6	1323.6	1364.5	1415.5	1450.3
50°	1325.6	1301.1	1266.4	1270.5	1280.8	1303.2	1301.1	1307.3	1348.1	1411.4	1448.2
52.5°	1305.3	1268.5	1229.6	1233.8	1264.4	1290.9	1282.8	1288.9	1335.9	1454.3	1507.4
55°	1282.8	1233.8	1188.8	1194.9	1229.6	1268.5	1258.3	1266.4	1321.5	1482.9	1556.4
57.5°	1239.9	1182.6	1133.6	1137.7	1188.8	1229.6	1213.3	1223.5	1288.9	1452.3	1529.9
58°	1221.5	1172.5	1125.5	1127.5	1176.5	1221.5	1203.1	1211.3	1278.6	1444.2	1517.7
60°	1143.9	1115.3	1074.4	1076.5	1123.4	1162.3	1152.0	1160.2	1225.6	1384.9	1440.0
62.5°	1037.6	1021.3	1011.1	1011.1	1039.7	1076.5	1086.6	1096.9	1156.1	1252.1	1301.1
65°	923.2	923.2	925.3	925.3	943.7	990.7	996.8	1023.4	1078.5	1125.5	1162.3
67.5°	845.6	841.6	845.6	835.5	843.6	872.2	902.8	927.4	984.5	1017.2	1029.5
70°	745.6	743.5	745.6	731.2	741.5	766.0	786.4	827.2	886.5	911.0	917.1
72.5°	647.5	647.5	651.6	641.4	641.4	667.9	682.2	727.2	782.3	796.6	798.7
75°	545.4	551.5	551.5	537.2	541.3	557.7	576.1	612.8	663.8	674.1	674.1
77.5°	433.0	455.5	455.5	441.2	447.3	449.4	473.9	492.3	531.1	535.2	518.8
80°	314.5	337.0	355.4	343.2	353.4	341.2	355.4	367.7	406.5	388.1	361.5
82.5°	224.7	241.0	255.3	257.4	247.2	224.7	243.0	245.1	263.5	239.0	224.7
85°	124.6	138.9	157.3	149.1	132.8	118.5	124.6	128.6	126.6	120.5	112.4
87.5°	32.7	34.7	38.8	28.6	26.5	22.5	30.6	30.6	34.7	36.8	34.7
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°	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1
2.5°	6616.0	6705.9	6900.0	7047.0	7226.8	7445.3	7702.7	7962.1	8241.9	8329.8	8452.3
5°	5474.2	5698.9	5792.9	6060.4	6325.9	6724.2	7149.2	7641.4	8180.6	8440.1	8689.3
7.5°	4677.6	4798.1	4896.2	5092.2	5410.8	5895.0	6428.1	7042.9	7806.9	8184.8	8550.4
10°	4248.6	4260.9	4381.4	4624.5	4902.3	5329.2	5833.7	6522.1	7373.8	7833.4	8262.4
12.5°	3964.7	3911.6	4042.3	4295.6	4610.1	5004.4	5468.1	6123.8	7061.3	7533.2	8052.0
15°	3715.5	3631.8	3729.8	3989.2	4299.7	4763.4	5261.8	5956.3	6938.8	7488.2	8064.3
17.5°	3721.7	3490.8	3525.5	3744.1	4052.6	4524.4	5129.0	5950.1	7124.6	7757.8	8440.1
20°	4181.2	3811.5	3654.3	3695.1	3993.3	4508.0	5190.3	6236.1	7735.3	8658.6	9387.9
22.5°	4632.6	4410.0	4156.7	4072.9	4236.3	4775.6	5580.4	6912.2	9063.1	10454.1	11771.5
25°	4475.4	4665.3	4602.0	4483.5	4520.3	4967.7	5846.0	7467.8	10094.6	11661.3	12899.1
27.5°	3580.7	3925.9	3995.3	3993.3	4007.6	4375.2	5257.7	7094.0	10223.2	11892.1	13074.8
30°	2516.5	2547.1	2583.9	2655.4	2720.8	3049.6	4113.8	6227.9	10166.1	11996.3	13180.9
32.5°	1815.9	1856.7	1907.8	2005.8	2161.1	2579.8	3599.1	5952.2	10468.4	12427.2	13491.5
35°	1660.7	1707.6	1756.7	1869.0	2016.1	2404.1	3394.9	5837.8	10964.7	13125.8	14049.1
37.5°	1611.6	1664.7	1707.6	1789.3	1907.8	2277.5	3209.0	5760.1	11473.4	13865.3	14796.7
40°	1576.9	1638.2	1672.9	1738.3	1820.0	2161.1	3043.5	5698.9	11965.6	14541.3	15397.2
42.5°	1546.3	1609.6	1654.5	1701.5	1768.9	2056.9	2896.4	5637.6	12392.5	15197.0	15995.7
45°	1509.5	1589.2	1646.3	1683.1	1742.3	1969.1	2784.1	5588.6	12878.7	15779.2	16600.3
47.5°	1478.9	1566.7	1638.2	1681.1	1703.6	1907.8	2694.2	5656.0	13462.8	16387.9	17162.0
50°	1480.9	1564.7	1654.5	1721.9	1662.7	1856.7	2639.0	5923.6	14222.7	17111.0	17605.3
52.5°	1546.3	1648.4	1719.9	1736.2	1605.5	1795.4	2610.4	6391.3	15121.5	17750.3	18052.6
55°	1619.8	1726.0	1803.6	1793.4	1574.8	1717.8	2604.3	6889.7	16106.0	18495.9	18634.8
57.5°	1593.2	1748.4	1867.0	1813.8	1576.9	1642.3	2577.8	7292.2	16929.2	19053.5	19210.7
58°	1585.1	1740.3	1875.1	1809.7	1570.8	1619.8	2571.7	7326.8	17043.6	19092.3	19292.5
60°	1505.4	1668.8	1869.0	1779.1	1536.0	1558.5	2504.3	7439.2	17012.9	18892.1	19341.5
62.5°	1360.4	1495.2	1728.1	1630.0	1429.8	1476.8	2353.1	7300.3	16183.6	17928.0	18624.5
65°	1197.0	1297.0	1452.3	1433.9	1278.6	1393.0	2146.8	6750.9	14523.0	16363.4	17096.6
67.5°	1074.4	1156.1	1254.1	1227.6	1150.0	1280.8	1924.1	5821.4	12660.1	14484.2	15407.4
70°	949.8	1013.1	1062.1	1043.7	1019.2	1170.4	1726.0	4724.5	10874.9	12698.9	13593.6
72.5°	823.2	882.4	923.2	896.7	882.4	1054.0	1564.7	3666.5	8589.2	10476.5	11626.5
75°	688.3	747.6	776.2	745.6	737.4	929.4	1325.6	2739.2	6444.5	8076.5	9069.2
77.5°	533.1	596.4	633.2	623.0	627.1	764.0	1070.4	1875.1	4608.1	5504.8	6550.7
80°	373.8	443.3	467.8	457.5	486.2	582.2	755.8	1190.9	3178.3	3572.5	4309.9
82.5°	230.8	296.2	300.3	310.5	330.9	431.0	569.9	725.1	1995.6	2063.0	2598.2
85°	116.4	140.9	151.1	167.5	185.9	263.5	324.8	449.4	1284.8	972.3	1452.3
87.5°	38.8	40.9	49.0	61.3	75.6	108.3	138.9	183.8	318.7	175.6	449.4
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: P647506

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1
2.5°	8699.5	8873.1	8999.7	9116.2	9003.9	8993.6	8883.3	8705.6	8632.1	8632.1
5°	9212.2	9618.7	9947.5	10157.9	10068.0	9851.5	9494.0	9038.6	8793.5	8750.6
7.5°	9353.1	10155.9	10766.6	10983.1	10831.9	10354.0	9669.7	8901.7	8550.4	8472.8
10°	9267.4	10311.1	11207.8	11551.0	11340.6	10617.5	9684.0	8742.4	8309.4	8219.5
12.5°	9177.5	10331.5	11289.5	11785.9	11649.0	10829.9	9788.2	8638.2	8137.8	8009.1
15°	9242.8	10339.7	11189.5	11702.1	11789.9	11085.2	9959.8	8713.8	8103.0	7966.2
17.5°	9655.4	10494.9	11046.5	11461.1	11769.5	11432.5	10448.0	9075.4	8413.5	8244.0
20°	10517.4	10866.7	11128.2	11448.9	11945.2	12141.3	11446.8	10068.0	9285.8	9136.6
22.5°	13013.5	12950.2	12415.0	12408.9	13127.9	13914.3	13867.3	12086.2	10909.6	10787.0
25°	13949.0	13654.9	12880.7	12692.8	13009.4	14222.7	14047.0	12498.7	11412.1	11113.8
27.5°	13583.4	12854.2	12345.6	12302.7	12198.5	13344.4	13767.2	12666.3	11587.8	11297.7
30°	13560.9	12488.5	11761.4	11847.2	11947.2	13042.1	13922.4	13191.2	12037.1	11726.7
32.5°	13616.1	12539.6	11804.3	11820.6	12118.8	13087.0	14094.0	13763.1	12627.4	12317.0
35°	13838.7	12829.6	12077.9	12039.2	12504.9	13381.2	14386.1	14661.9	13434.2	13080.9
37.5°	14198.2	13407.7	12578.4	12568.2	13244.3	13912.3	14749.7	15568.8	14237.0	13857.1
40°	14727.2	14083.8	13469.0	13413.8	14249.3	14776.2	15221.5	16534.9	15170.5	14682.3
42.5°	15366.6	14894.7	14643.5	14862.0	15664.8	15746.5	15956.9	17427.5	15965.1	15397.2
45°	15958.9	15936.5	16285.8	16865.8	17333.6	16843.3	16724.9	18026.1	16581.9	15965.1
47.5°	16663.6	17272.4	18326.3	19176.1	19666.3	18120.0	17380.6	18416.2	17031.3	16463.4
50°	17378.5	18871.7	20554.8	21739.5	21843.7	19507.0	17832.0	18783.9	17439.8	16849.5
52.5°	18130.2	20148.3	22389.1	23765.8	23563.6	20714.1	18269.1	19033.1	17860.6	17341.8
55°	18783.9	20930.7	23414.4	24736.1	24439.9	21449.5	18740.9	19302.7	18461.1	18024.0
57.5°	19149.5	20996.0	23159.1	24313.2	23992.5	21306.5	18957.5	19502.9	18845.2	18502.0
58°	19202.6	20908.2	22932.4	24068.1	23741.3	21185.9	18955.4	19494.7	18869.7	18524.4
60°	19155.6	20338.3	22088.8	23099.9	22756.7	20430.2	18877.8	19341.5	18559.2	18267.1
62.5°	18720.5	19349.7	20632.4	21367.8	21269.7	19249.6	18559.2	18763.4	17613.4	17331.5
65°	18148.6	18001.6	18767.5	19288.4	19361.9	18365.1	18242.6	17513.4	16400.2	16001.9
67.5°	17454.1	16473.7	16471.7	16767.8	16890.3	17004.7	17582.8	16155.0	14651.7	14230.9
70°	16275.5	14118.5	13469.0	13818.3	13716.1	14682.3	16404.2	14247.2	12543.7	12051.4
72.5°	14114.4	11203.7	10164.0	10613.4	10356.0	11514.2	14353.4	11724.6	10372.4	9767.8
75°	11440.6	8380.8	7308.4	7721.1	7561.7	8734.2	11943.2	8515.7	7439.2	7208.4
77.5°	8883.3	6072.7	5449.7	5392.5	5511.0	6499.6	8760.8	5750.0	4904.3	4747.0
80°	5707.1	4346.7	4383.5	4309.9	4371.2	4097.5	5319.0	3668.5	3321.3	3194.6
82.5°	3756.4	3029.2	3611.4	3333.5	3166.1	2755.5	3488.8	2402.1	2038.5	1969.1
85°	2559.4	2230.5	2030.3	1552.4	1828.1	2122.2	2616.6	1293.0	1025.4	929.4
87.5°	1156.1	776.2	569.9	351.3	555.6	641.4	1270.5	151.1	116.4	120.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)