

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: P456730

Luminaire Tested: **GALN-SA8A-730-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456730
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-730-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 28989 lumens
Efficiency: N/A
Efficacy: 118.8 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

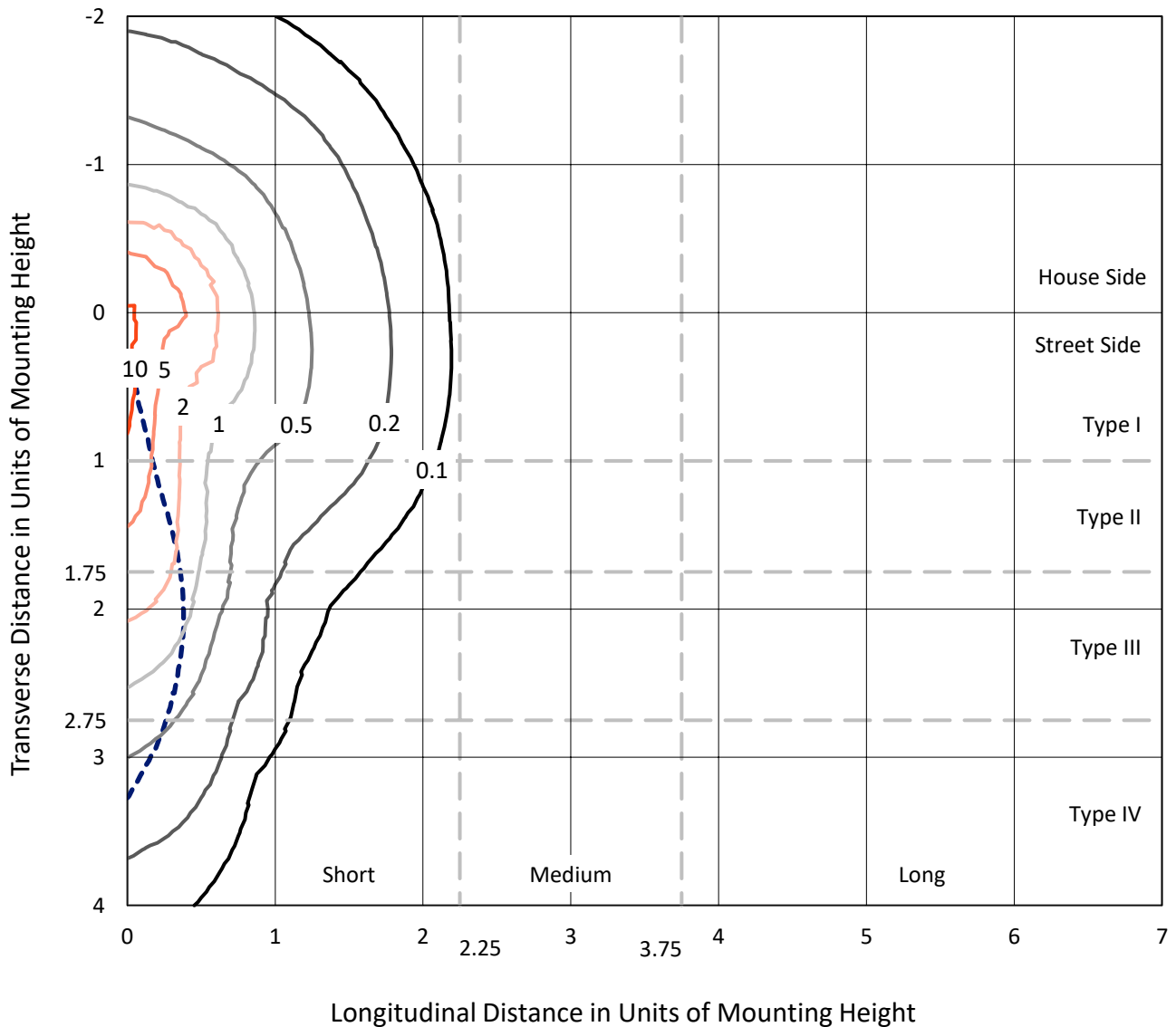
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

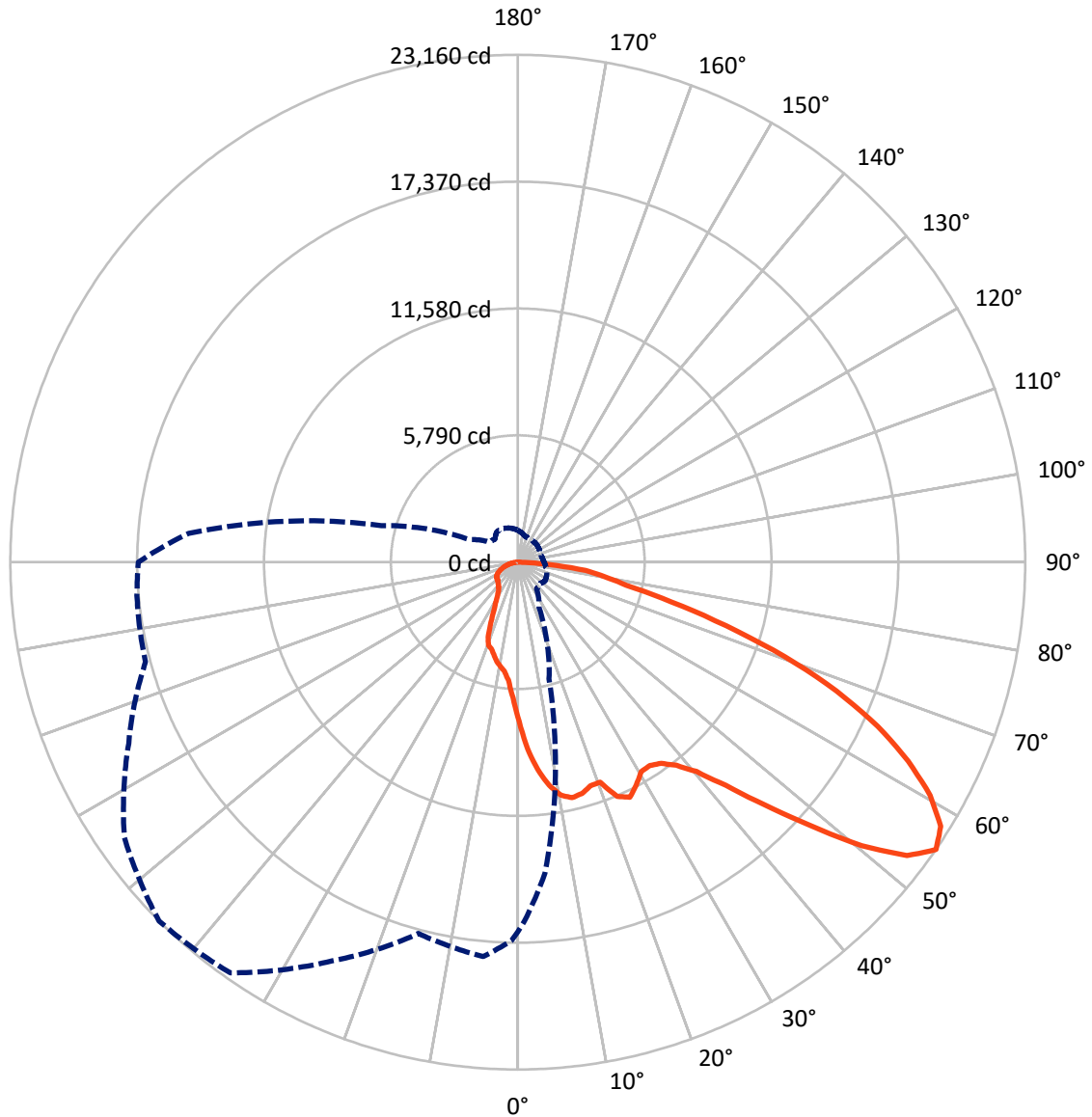
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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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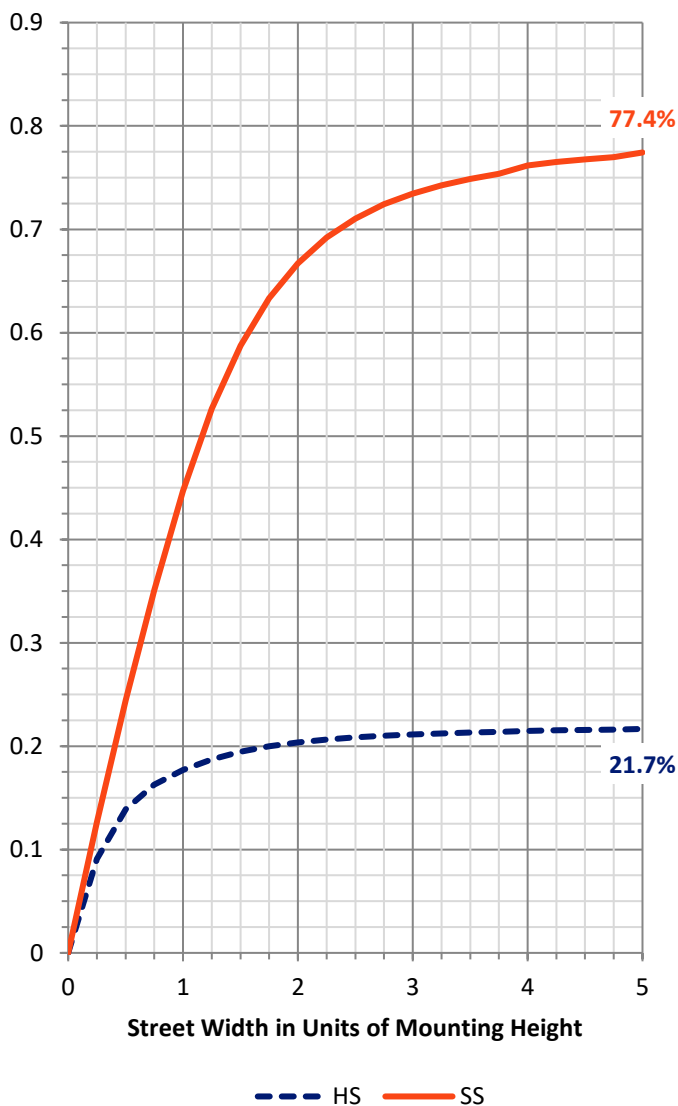
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6341.2	0.0	6341.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	22647.8	0.0	22647.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	28989.0	0.0	28989.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.6	2.1
10°-20°	1635.8	5.6
20°-30°	2826.0	9.7
30°-40°	3284.2	11.3
40°-50°	4582.1	15.8
50°-60°	6217.4	21.4
60°-70°	5915.2	20.4
70°-80°	3195.5	11.0
80°-90°	716.2	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°	28989.0	100.0
0°-180°	28989.0	100.0

Coefficient of Utilization



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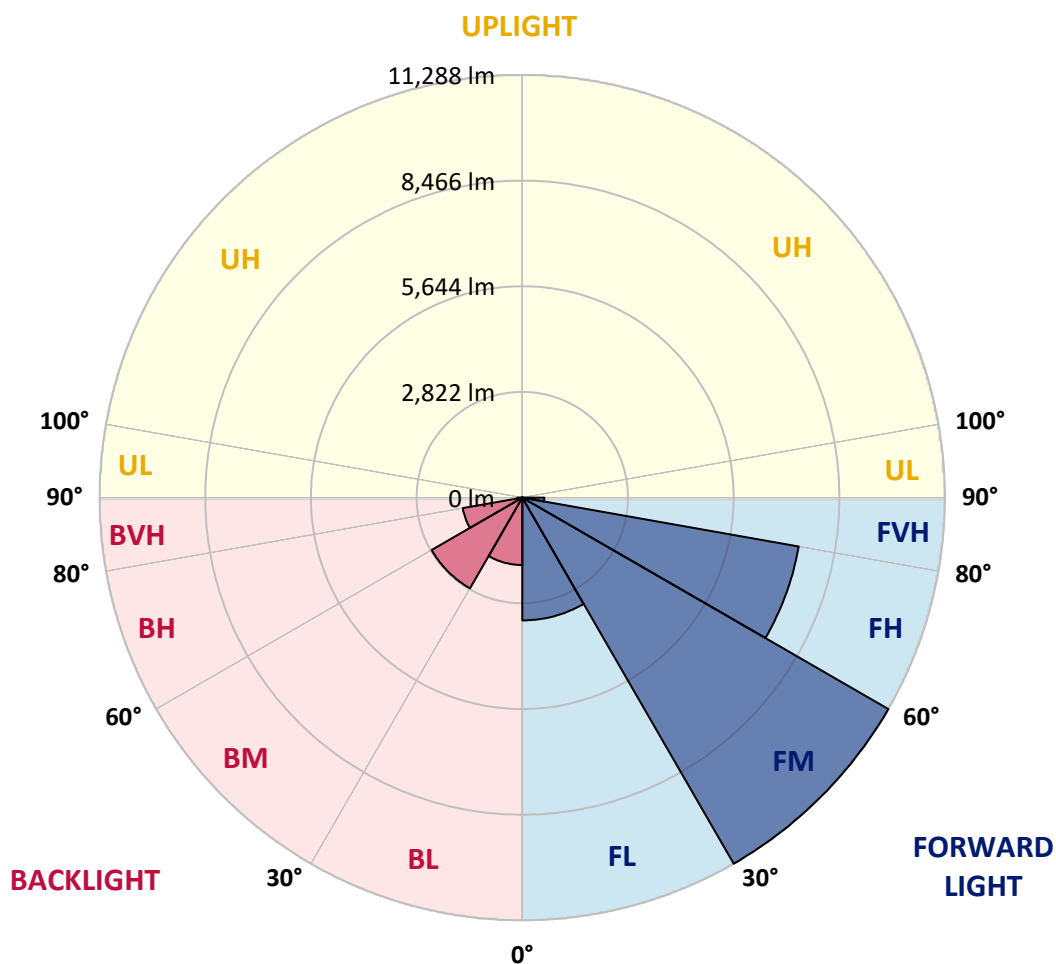
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3278.7	11.3			
FM	(30°-60°)	11287.7	38.9			
FH	(60°-80°)	7496.1	25.9			G3/7500
FVH	(80°-90°)	585.3	2.0			G4/750
BL	(0°-30°)	1799.7	6.2	B3/2500		
BM	(30°-60°)	2796.1	9.6	B3/5000		
BH	(60°-80°)	1614.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	130.9	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°	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1
2.5°	8082.2	8051.6	7965.5	7739.8	7512.3	7280.8	7103.0	6881.1	6649.7	6525.4	6366.7
5°	8193.1	8158.7	7956.0	7447.2	6986.3	6502.5	6116.1	5777.6	5639.9	5437.2	5274.6
7.5°	7933.0	7917.7	7613.6	6883.0	6251.9	5618.9	5180.9	4909.4	4662.6	4570.8	4590.0
10°	7695.9	7634.7	7254.1	6299.7	5563.4	5049.0	4735.3	4469.5	4295.4	4249.5	4259.1
12.5°	7498.9	7416.6	6967.2	5907.7	5263.2	4852.0	4452.3	4175.0	4016.2	4060.2	4209.4
15°	7458.7	7347.8	6846.7	5773.8	5098.7	4568.9	4131.0	3811.6	3693.0	3788.6	4027.7
17.5°	7718.8	7579.2	7053.3	5817.8	4941.9	4280.1	3742.7	3377.5	3278.0	3431.0	3742.7
20°	8554.6	8348.0	7697.8	6072.2	4926.6	4136.7	3517.1	3149.9	3191.9	3482.6	3807.8
22.5°	10099.9	9790.0	8826.1	6443.2	5006.9	4100.4	3471.2	3279.9	3511.3	3758.0	3972.2
25°	10405.9	10163.0	9028.9	6527.3	4989.7	4075.5	3601.2	3696.8	3955.0	4077.4	4002.8
27.5°	10578.0	10300.7	9015.5	6110.4	4461.8	3696.8	3442.5	3601.2	3666.2	3547.7	3344.9
30°	10979.6	10690.8	9243.1	5672.4	3673.9	2742.5	2404.0	2339.0	2383.0	2405.9	2333.2
32.5°	11532.3	11247.3	9671.5	5385.6	3176.6	2268.2	1935.4	1843.6	1822.6	1797.7	1769.1
35°	12247.6	11809.6	10092.2	5202.0	2972.0	2098.0	1792.0	1721.2	1692.6	1658.1	1627.5
37.5°	12974.3	12515.3	10623.9	5008.8	2836.2	1979.4	1696.4	1663.9	1614.1	1577.8	1533.8
40°	13747.0	13232.5	11107.7	4840.5	2704.3	1902.9	1627.5	1623.7	1558.7	1516.6	1465.0
42.5°	14416.3	13886.6	11540.0	4737.2	2602.9	1822.6	1585.5	1596.9	1530.0	1466.9	1399.9
45°	14948.0	14427.8	11939.7	4737.2	2520.7	1742.3	1577.8	1570.2	1503.2	1424.8	1348.3
47.5°	15414.7	14877.2	12329.8	4857.7	2469.0	1675.3	1535.7	1549.1	1480.3	1380.8	1306.2
50°	15776.1	15301.8	12855.7	5045.1	2417.4	1621.8	1482.2	1554.9	1461.1	1357.9	1271.8
52.5°	16237.0	15812.5	13488.8	5301.4	2373.4	1562.5	1434.4	1554.9	1459.2	1359.8	1266.1
55°	16875.8	16428.3	14251.9	5513.7	2302.6	1507.0	1392.3	1510.9	1453.5	1350.2	1250.8
57.5°	17323.3	16988.6	14791.2	5655.2	2201.3	1436.3	1354.0	1468.8	1428.6	1313.9	1204.9
58°	17344.4	17017.3	14869.6	5687.7	2176.4	1422.9	1344.5	1449.7	1417.2	1298.6	1189.6
60°	17103.4	16822.2	14884.9	5641.8	2034.9	1356.0	1294.8	1371.3	1356.0	1208.7	1107.3
62.5°	16227.5	15927.2	14267.2	5268.9	1847.5	1273.7	1218.3	1266.1	1231.6	1082.5	988.8
65°	14982.4	14429.7	12997.3	4683.7	1713.6	1185.7	1115.0	1118.8	1082.5	975.4	893.1
67.5°	13324.3	12706.6	11004.5	3947.4	1612.2	1088.2	992.6	983.0	939.0	870.2	803.2
70°	11283.7	10861.0	8942.8	3211.1	1499.4	981.1	854.9	849.1	822.4	770.7	711.4
72.5°	9145.5	8608.1	7221.6	2570.4	1361.7	877.8	726.7	738.2	703.8	667.5	613.9
75°	6749.2	6397.3	5582.6	2061.7	1176.2	765.0	606.3	610.1	594.8	556.5	514.5
77.5°	4444.6	4339.4	3993.3	1354.0	904.6	608.2	495.3	499.2	487.7	453.3	409.3
80°	2991.1	2920.4	2706.2	872.1	604.3	439.9	382.5	386.3	384.4	348.1	288.8
82.5°	1843.6	1813.0	1744.2	589.0	418.8	315.6	252.4	263.9	285.0	244.8	197.0
85°	870.2	872.1	1053.8	321.3	246.7	202.7	137.7	147.3	147.3	147.3	110.9
87.5°	112.8	118.6	145.3	135.8	89.9	76.5	49.7	42.1	36.3	47.8	34.4
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°	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1
2.5°	6311.2	6273.0	6190.7	6171.6	6160.1	6192.6	6106.6	6129.5	6091.3	6198.4	6181.2
5°	5284.2	5288.0	5355.0	5399.0	5414.3	5399.0	5341.6	5242.1	5165.6	5135.0	5142.7
7.5°	4553.6	4620.6	4735.3	4863.5	4980.1	5014.5	4982.0	4792.7	4586.1	4456.1	4414.0
10°	4310.7	4400.6	4532.6	4634.0	4737.2	4819.5	4836.7	4689.4	4444.6	4136.7	4016.2
12.5°	4324.1	4446.5	4572.8	4605.3	4595.7	4628.2	4612.9	4588.1	4427.4	4035.4	3834.5
15°	4197.9	4343.3	4431.2	4414.0	4383.4	4354.7	4314.6	4251.5	4194.1	3918.7	3696.8
17.5°	3907.2	4056.4	4129.1	4134.8	4134.8	4127.2	4029.6	4006.7	3999.0	3865.1	3729.4
20°	3960.8	4043.0	4010.5	3956.9	3972.2	4023.9	3966.5	3955.0	3999.0	4058.3	4033.4
22.5°	3991.4	3962.7	3717.9	3480.7	3427.2	3587.8	3620.3	3748.5	3926.3	4140.5	4280.1
25°	3802.0	3570.6	3132.7	2864.9	2713.8	2863.0	3058.1	3295.2	3561.1	3836.5	3999.0
27.5°	3178.6	3002.6	2689.0	2448.0	2316.0	2339.0	2505.4	2721.5	2968.2	3153.7	3272.3
30°	2394.4	2316.0	2153.5	2071.2	1990.9	1971.8	2042.5	2124.8	2233.8	2256.7	2287.3
32.5°	1763.3	1751.8	1761.4	1734.6	1719.3	1717.4	1696.4	1715.5	1727.0	1740.4	1713.6
35°	1595.0	1579.7	1552.9	1545.3	1535.7	1539.6	1530.0	1520.4	1528.1	1539.6	1547.2
37.5°	1509.0	1486.0	1447.8	1434.4	1434.4	1440.1	1424.8	1421.0	1434.4	1470.7	1489.8
40°	1442.0	1415.2	1371.3	1354.0	1365.5	1380.8	1359.8	1352.1	1384.6	1422.9	1453.5
42.5°	1378.9	1357.9	1315.8	1296.7	1306.2	1334.9	1304.3	1298.6	1340.7	1382.7	1419.1
45°	1325.4	1304.3	1266.1	1256.5	1260.3	1287.1	1266.1	1266.1	1306.2	1352.1	1384.6
47.5°	1283.3	1256.5	1231.6	1224.0	1227.8	1243.1	1239.3	1239.3	1277.5	1325.4	1357.9
50°	1241.2	1218.3	1185.7	1189.6	1199.1	1220.2	1218.3	1224.0	1262.2	1321.5	1356.0
52.5°	1222.1	1187.7	1151.3	1155.1	1183.8	1208.7	1201.0	1206.8	1250.8	1361.7	1411.4
55°	1201.0	1155.1	1113.1	1118.8	1151.3	1187.7	1178.1	1185.7	1237.4	1388.5	1457.3
57.5°	1160.9	1107.3	1061.4	1065.3	1113.1	1151.3	1136.0	1145.6	1206.8	1359.8	1432.5
58°	1143.7	1097.8	1053.8	1055.7	1101.6	1143.7	1126.5	1134.1	1197.2	1352.1	1421.0
60°	1071.0	1044.2	1006.0	1007.9	1051.9	1088.2	1078.6	1086.3	1147.5	1296.7	1348.3
62.5°	971.5	956.2	946.7	946.7	973.5	1007.9	1017.4	1027.0	1082.5	1172.4	1218.3
65°	864.4	864.4	866.4	866.4	883.6	927.6	933.3	958.2	1009.8	1053.8	1088.2
67.5°	791.8	787.9	791.8	782.2	789.9	816.6	845.3	868.3	921.8	952.4	963.9
70°	698.1	696.1	698.1	684.7	694.2	717.2	736.3	774.6	830.0	853.0	858.7
72.5°	606.3	606.3	610.1	600.5	600.5	625.4	638.8	680.8	732.5	745.9	747.8
75°	510.6	516.4	516.4	503.0	506.8	522.1	539.3	573.7	621.6	631.1	631.1
77.5°	405.4	426.5	426.5	413.1	418.8	420.7	443.7	460.9	497.2	501.1	485.8
80°	294.5	315.6	332.8	321.3	330.9	319.4	332.8	344.2	380.6	363.4	338.5
82.5°	210.4	225.7	239.1	241.0	231.4	210.4	227.6	229.5	246.7	223.8	210.4
85°	116.7	130.0	147.3	139.6	124.3	110.9	116.7	120.5	118.6	112.8	105.2
87.5°	30.6	32.5	36.3	26.8	24.9	21.0	28.7	28.7	32.5	34.4	32.5
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°	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1
2.5°	6194.6	6278.7	6460.4	6598.1	6766.4	6971.0	7212.0	7454.9	7716.9	7799.1	7913.9
5°	5125.5	5335.8	5423.8	5674.4	5923.0	6295.9	6693.7	7154.6	7659.5	7902.4	8135.7
7.5°	4379.6	4492.4	4584.2	4767.8	5066.2	5519.4	6018.6	6594.3	7309.5	7663.3	8005.7
10°	3978.0	3989.5	4102.3	4329.9	4590.0	4989.7	5462.1	6106.6	6904.1	7334.4	7736.0
12.5°	3712.1	3662.4	3784.8	4022.0	4316.5	4685.6	5119.7	5733.6	6611.5	7053.3	7539.0
15°	3478.8	3400.4	3492.2	3735.1	4025.8	4459.9	4926.6	5576.8	6496.7	7011.2	7550.5
17.5°	3484.6	3268.4	3301.0	3505.6	3794.4	4236.2	4802.3	5571.1	6670.8	7263.6	7902.4
20°	3914.9	3568.7	3421.4	3459.7	3738.9	4220.9	4859.6	5838.8	7242.6	8107.0	8789.8
22.5°	4337.5	4129.1	3891.9	3813.5	3966.5	4471.4	5224.9	6471.9	8485.7	9788.1	11021.7
25°	4190.3	4368.1	4308.8	4197.9	4232.3	4651.2	5473.5	6992.1	9451.5	10918.4	12077.4
27.5°	3352.6	3675.8	3740.8	3738.9	3752.3	4096.6	4922.7	6642.1	9572.0	11134.5	12241.8
30°	2356.2	2384.9	2419.3	2486.2	2547.4	2855.3	3851.8	5831.2	9518.5	11232.0	12341.3
32.5°	1700.2	1738.5	1786.3	1878.1	2023.4	2415.5	3369.8	5573.0	9801.5	11635.6	12632.0
35°	1554.9	1598.8	1644.7	1749.9	1887.6	2251.0	3178.6	5465.9	10266.2	12289.7	13154.1
37.5°	1509.0	1558.7	1598.8	1675.3	1786.3	2132.4	3004.5	5393.2	10742.4	12982.0	13854.1
40°	1476.4	1533.8	1566.3	1627.5	1704.0	2023.4	2849.6	5335.8	11203.4	13615.0	14416.3
42.5°	1447.8	1507.0	1549.1	1593.1	1656.2	1925.9	2711.9	5278.5	11603.1	14228.9	14976.7
45°	1413.3	1487.9	1541.5	1575.9	1631.4	1843.6	2606.7	5232.6	12058.2	14774.0	15542.8
47.5°	1384.6	1466.9	1533.8	1574.0	1595.0	1786.3	2522.6	5295.7	12605.2	15343.9	16068.7
50°	1386.6	1465.0	1549.1	1612.2	1556.8	1738.5	2470.9	5546.2	13316.7	16020.9	16483.7
52.5°	1447.8	1543.4	1610.3	1625.6	1503.2	1681.1	2444.2	5984.2	14158.2	16619.5	16902.6
55°	1516.6	1616.1	1688.7	1679.2	1474.5	1608.4	2438.4	6450.8	15080.0	17317.6	17447.6
57.5°	1491.7	1637.1	1748.0	1698.3	1476.4	1537.6	2413.6	6827.6	15850.7	17839.7	17987.0
58°	1484.1	1629.4	1755.7	1694.5	1470.7	1516.6	2407.8	6860.1	15957.8	17876.0	18063.5
60°	1409.5	1562.5	1749.9	1665.8	1438.2	1459.2	2344.7	6965.3	15929.1	17688.6	18109.4
62.5°	1273.7	1399.9	1618.0	1526.2	1338.7	1382.7	2203.2	6835.2	15152.6	16785.9	17438.1
65°	1120.7	1214.4	1359.8	1342.6	1197.2	1304.3	2010.0	6320.8	13597.8	15320.9	16007.5
67.5°	1006.0	1082.5	1174.3	1149.4	1076.7	1199.1	1801.6	5450.6	11853.6	13561.5	14425.9
70°	889.3	948.6	994.5	977.3	954.3	1095.9	1616.1	4423.6	10182.1	11889.9	12727.6
72.5°	770.7	826.2	864.4	839.6	826.2	986.8	1465.0	3432.9	8042.0	9809.2	10885.9
75°	644.5	700.0	726.7	698.1	690.4	870.2	1241.2	2564.6	6033.9	7562.0	8491.4
77.5°	499.2	558.4	592.9	583.3	587.1	715.3	1002.1	1755.7	4314.6	5154.2	6133.4
80°	350.0	415.0	438.0	428.4	455.2	545.1	707.6	1115.0	2975.8	3344.9	4035.4
82.5°	216.1	277.3	281.1	290.7	309.8	403.5	533.6	678.9	1868.5	1931.6	2432.7
85°	109.0	132.0	141.5	156.8	174.0	246.7	304.1	420.7	1203.0	910.3	1359.8
87.5°	36.3	38.2	45.9	57.4	70.8	101.4	130.0	172.1	298.3	164.5	420.7
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: P456730

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1	7275.1
2.5°	8145.3	8307.9	8426.4	8535.4	8430.2	8420.7	8317.4	8151.0	8082.2	8082.2
5°	8625.3	9005.9	9313.8	9510.8	9426.7	9223.9	8889.2	8462.8	8233.3	8193.1
7.5°	8757.3	9508.9	10080.7	10283.5	10141.9	9694.4	9053.7	8334.6	8005.7	7933.0
10°	8677.0	9654.2	10493.8	10815.1	10618.1	9941.1	9067.1	8185.5	7780.0	7695.9
12.5°	8592.8	9673.4	10570.3	11035.1	10906.9	10140.0	9164.6	8087.9	7619.4	7498.9
15°	8654.0	9681.0	10476.6	10956.6	11038.9	10379.1	9325.3	8158.7	7586.8	7458.7
17.5°	9040.3	9826.4	10342.7	10731.0	11019.8	10704.2	9782.4	8497.2	7877.5	7718.8
20°	9847.4	10174.4	10419.2	10719.5	11184.2	11367.8	10717.6	9426.7	8694.2	8554.6
22.5°	12184.5	12125.2	11624.1	11618.4	12291.6	13027.9	12983.9	11316.2	10214.6	10099.9
25°	13060.4	12785.0	12060.2	11884.2	12180.6	13316.7	13152.2	11702.5	10685.1	10405.9
27.5°	12718.0	12035.3	11559.1	11518.9	11421.4	12494.3	12890.2	11859.3	10849.5	10578.0
30°	12697.0	11693.0	11012.1	11092.4	11186.1	12211.2	13035.5	12350.9	11270.3	10979.6
32.5°	12748.6	11740.8	11052.3	11067.6	11346.8	12253.3	13196.2	12886.3	11823.0	11532.3
35°	12957.1	12012.3	11308.5	11272.2	11708.3	12528.7	13469.7	13727.8	12578.4	12247.6
37.5°	13293.7	12553.6	11777.1	11767.5	12400.6	13026.0	13810.1	14577.0	13330.0	12974.3
40°	13789.0	13186.6	12610.9	12559.3	13341.5	13834.9	14251.9	15481.6	14204.1	13747.0
42.5°	14387.7	13945.9	13710.6	13915.3	14666.9	14743.4	14940.4	16317.4	14948.0	14416.3
45°	14942.3	14921.2	15248.3	15791.4	16229.4	15770.4	15659.5	16877.7	15525.6	14948.0
47.5°	15602.1	16172.0	17158.8	17954.4	18413.4	16965.7	16273.4	17243.0	15946.3	15414.7
50°	16271.5	17669.5	19245.4	20354.6	20452.2	18264.3	16696.0	17587.2	16328.8	15776.1
52.5°	16975.2	18864.8	20962.8	22251.8	22062.5	19394.5	17105.3	17820.6	16722.8	16237.0
55°	17587.2	19597.3	21922.9	23160.2	22882.9	20083.0	17547.1	18073.0	17285.1	16875.8
57.5°	17929.6	19658.5	21683.8	22764.4	22464.1	19949.2	17749.8	18260.4	17644.6	17323.3
58°	17979.3	19576.2	21471.5	22534.9	22228.9	19836.3	17747.9	18252.8	17667.6	17344.4
60°	17935.3	19042.6	20681.7	21628.3	21307.0	19128.7	17675.2	18109.4	17376.9	17103.4
62.5°	17528.0	18117.0	19318.0	20006.5	19914.7	18023.3	17376.9	17568.1	16491.4	16227.5
65°	16992.5	16854.8	17571.9	18059.6	18128.5	17195.2	17080.4	16397.7	15355.4	14982.4
67.5°	16342.2	15424.2	15422.3	15699.6	15814.4	15921.5	16462.7	15125.9	13718.3	13324.3
70°	15238.7	13219.1	12610.9	12938.0	12842.4	13747.0	15359.2	13339.6	11744.6	11283.7
72.5°	13215.3	10490.0	9516.5	9937.3	9696.3	10780.7	13439.1	10977.7	9711.6	9145.5
75°	10711.8	7846.9	6842.9	7229.2	7080.0	8177.8	11182.3	7973.2	6965.3	6749.2
77.5°	8317.4	5685.8	5102.5	5049.0	5159.9	6085.5	8202.7	5383.7	4591.9	4444.6
80°	5343.5	4069.8	4104.2	4035.4	4092.7	3836.5	4980.1	3434.8	3109.7	2991.1
82.5°	3517.1	2836.2	3381.3	3121.2	2964.4	2579.9	3266.5	2249.1	1908.7	1843.6
85°	2396.3	2088.4	1901.0	1453.5	1711.7	1987.1	2449.9	1210.6	960.1	870.2
87.5°	1082.5	726.7	533.6	328.9	520.2	600.5	1189.6	141.5	109.0	112.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)