

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: P456179

Luminaire Tested: **GALN-SA7B-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456179
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-SA7B-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA 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: 27147 lumens
Efficiency: N/A
Efficacy: 94.9 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): 286
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

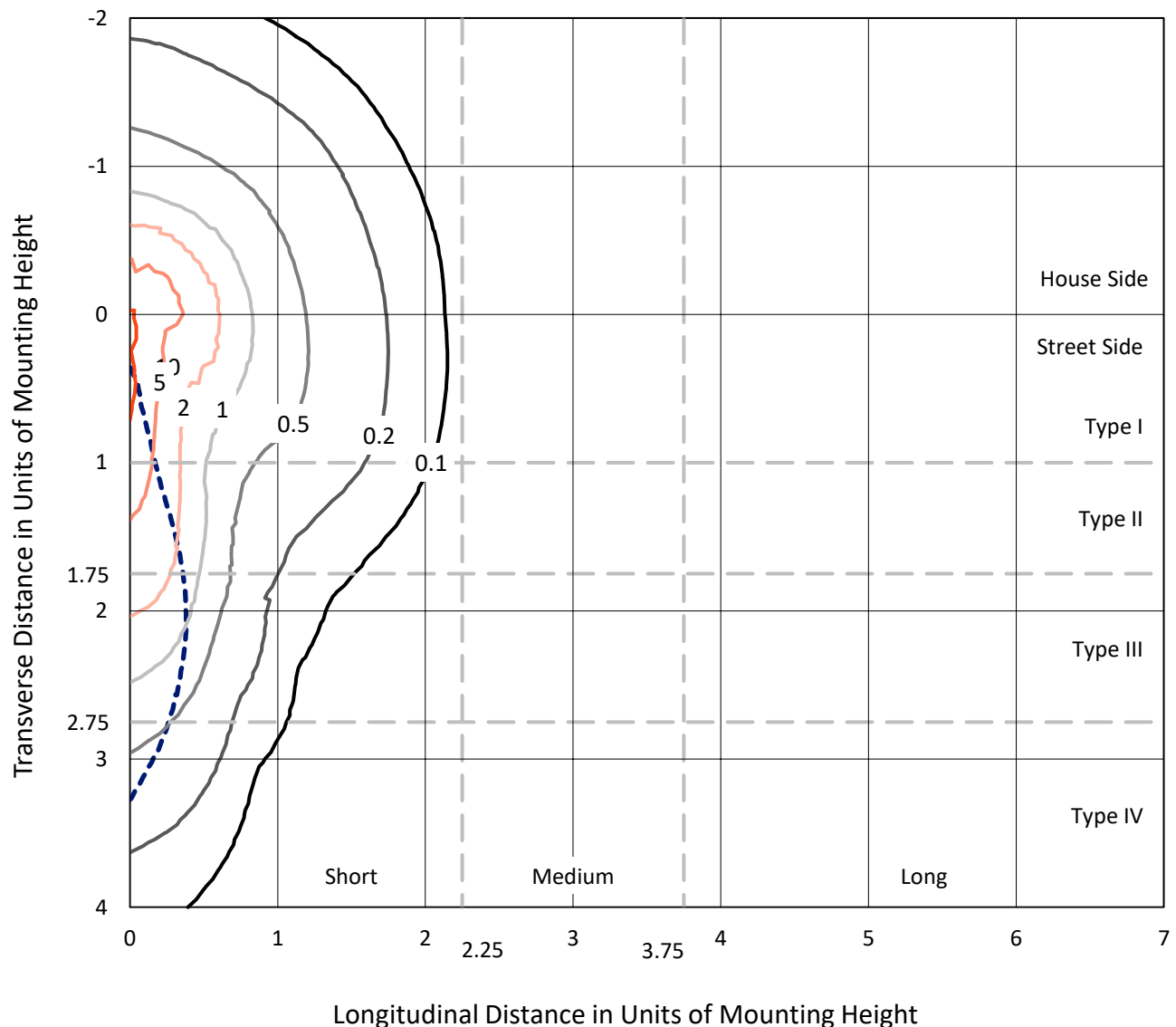


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



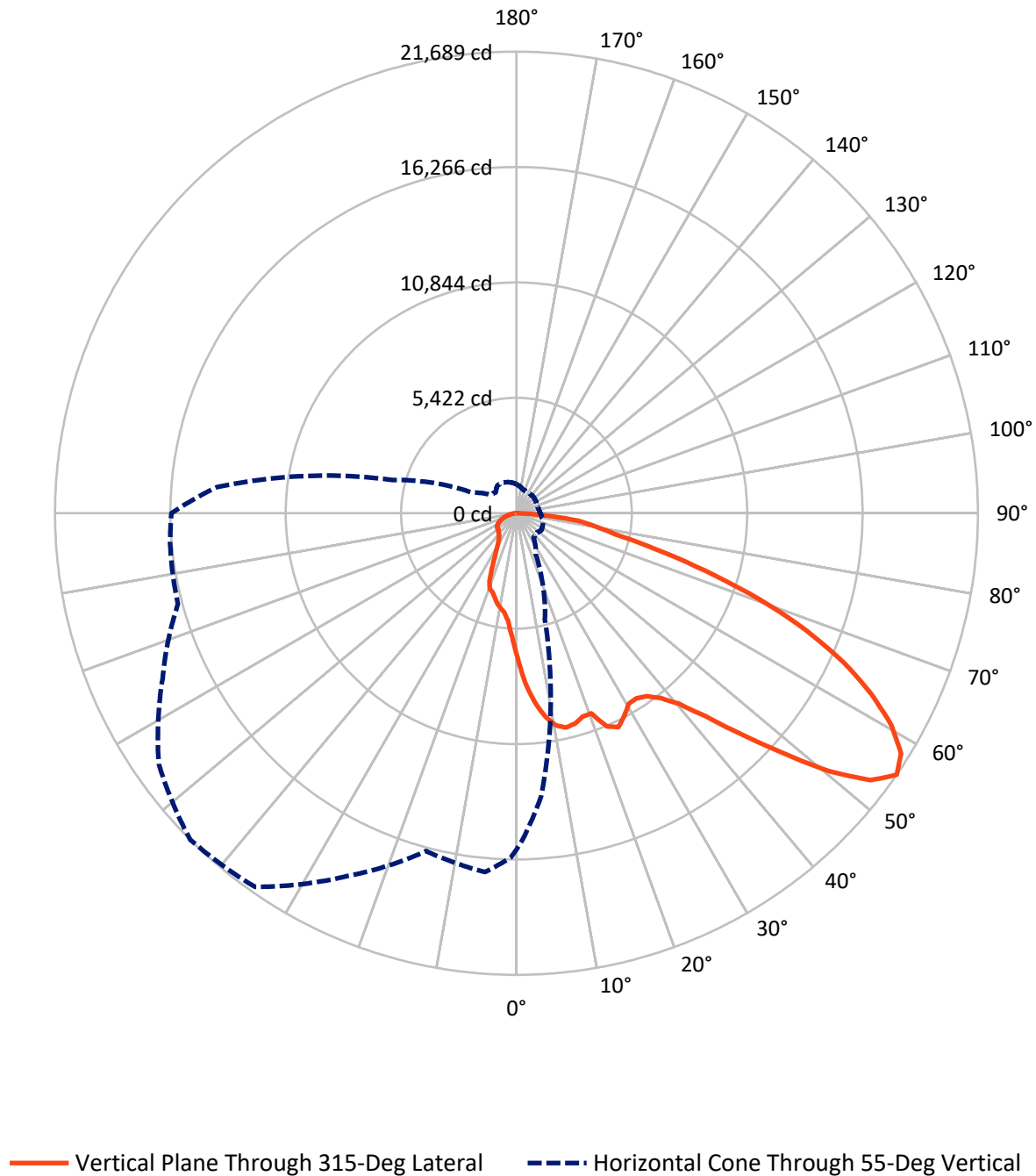
Based on 25 foot mounting height. Maximum calculated value = 11.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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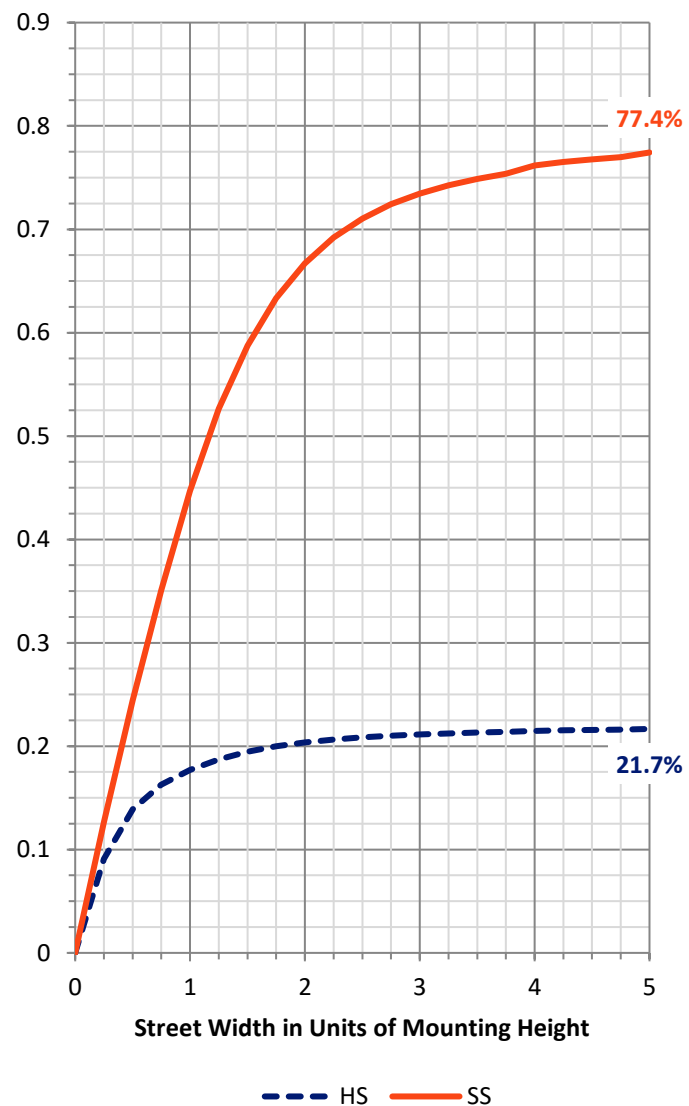
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5938.3	0.0	5938.3
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	21208.7	0.0	21208.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	27147.0	0.0	27147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	577.4	2.1
10°-20°	1531.9	5.6
20°-30°	2646.4	9.7
30°-40°	3075.5	11.3
40°-50°	4291.0	15.8
50°-60°	5822.4	21.4
60°-70°	5539.3	20.4
70°-80°	2992.5	11.0
80°-90°	670.7	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°	27147.0	100.0
0°-180°	27147.0	100.0

Coefficient of Utilization



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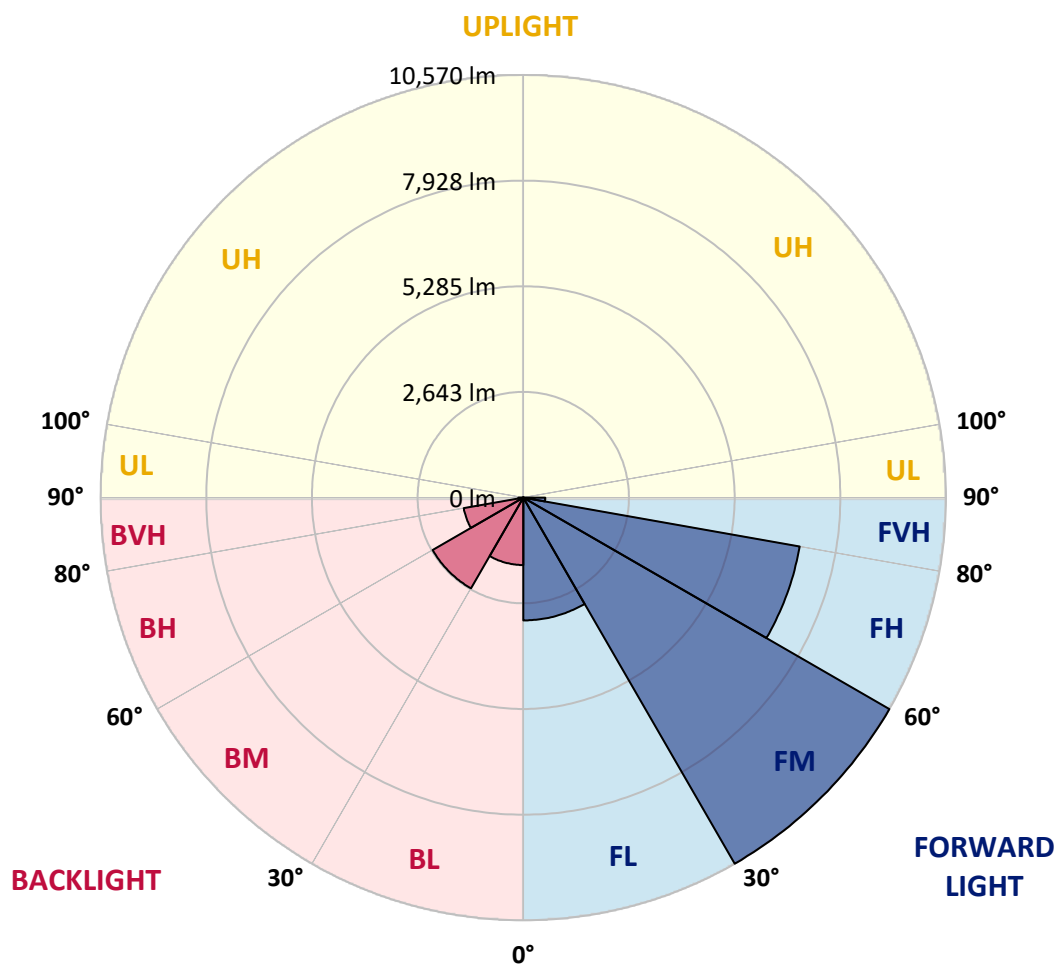
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3070.4	11.3			
FM	(30°-60°)	10570.5	38.9			
FH	(60°-80°)	7019.8	25.9			G3/7500
FVH	(80°-90°)	548.1	2.0			G4/750
BL	(0°-30°)	1685.3	6.2	B3/2500		
BM	(30°-60°)	2618.4	9.6	B3/5000		
BH	(60°-80°)	1512.0	5.6	B3/2500		G3/2500
BVH	(80°-90°)	122.6	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°	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8
2.5°	7568.6	7540.0	7459.4	7248.0	7034.9	6818.2	6651.6	6443.9	6227.2	6110.8	5962.1
5°	7672.5	7640.3	7450.4	6974.0	6542.4	6089.3	5727.5	5410.5	5281.6	5091.7	4939.5
7.5°	7428.9	7414.6	7129.8	6445.7	5854.7	5261.9	4851.7	4597.4	4366.4	4280.4	4298.3
10°	7206.8	7149.5	6793.1	5899.4	5209.9	4728.2	4434.4	4185.5	4022.5	3979.5	3988.5
12.5°	7022.4	6945.4	6524.5	5532.3	4928.7	4543.7	4169.4	3909.7	3761.0	3802.2	3941.9
15°	6984.8	6880.9	6411.7	5406.9	4774.7	4278.6	3868.5	3569.4	3458.4	3547.9	3771.8
17.5°	7228.3	7097.6	6605.1	5448.1	4627.9	4008.2	3504.9	3162.8	3069.7	3213.0	3504.9
20°	8011.0	7817.6	7208.6	5686.3	4613.5	3873.9	3293.6	2949.7	2989.1	3261.3	3565.8
22.5°	9458.1	9168.0	8265.3	6033.8	4688.8	3839.8	3250.6	3071.5	3288.2	3519.2	3719.8
25°	9744.6	9517.2	8455.2	6112.6	4672.6	3816.5	3372.4	3461.9	3703.7	3818.3	3748.5
27.5°	9905.8	9646.1	8442.6	5722.1	4178.3	3461.9	3223.7	3372.4	3433.3	3322.2	3132.4
30°	10281.9	10011.5	8655.7	5312.0	3440.4	2568.2	2251.2	2190.4	2231.5	2253.0	2185.0
32.5°	10799.5	10532.7	9056.9	5043.4	2974.8	2124.1	1812.5	1726.5	1706.8	1683.5	1656.6
35°	11469.3	11059.2	9450.9	4871.4	2783.2	1964.7	1678.1	1611.9	1585.0	1552.8	1524.1
37.5°	12149.9	11720.1	9948.8	4690.5	2656.0	1853.7	1588.6	1558.1	1511.6	1477.5	1436.4
40°	12873.5	12391.7	10401.9	4532.9	2532.4	1782.0	1524.1	1520.5	1459.6	1420.2	1371.9
42.5°	13500.3	13004.2	10806.7	4436.2	2437.5	1706.8	1484.7	1495.5	1432.8	1373.7	1311.0
45°	13998.2	13511.1	11181.0	4436.2	2360.5	1631.6	1477.5	1470.4	1407.7	1334.3	1262.6
47.5°	14435.2	13931.9	11546.4	4549.1	2312.1	1568.9	1438.1	1450.7	1386.2	1293.1	1223.2
50°	14773.7	14329.5	12038.9	4724.6	2263.8	1518.7	1388.0	1456.1	1368.3	1271.6	1191.0
52.5°	15205.3	14807.7	12631.7	4964.6	2222.6	1463.2	1343.2	1456.1	1366.5	1273.4	1185.6
55°	15803.5	15384.4	13346.3	5163.4	2156.3	1411.3	1303.8	1414.9	1361.1	1264.4	1171.3
57.5°	16222.6	15909.2	13851.3	5295.9	2061.4	1345.0	1268.0	1375.5	1337.9	1230.4	1128.3
58°	16242.3	15936.0	13924.8	5326.3	2038.1	1332.5	1259.0	1357.6	1327.1	1216.1	1114.0
60°	16016.6	15753.3	13939.1	5283.4	1905.6	1269.8	1212.5	1284.1	1269.8	1131.9	1037.0
62.5°	15196.4	14915.2	13360.6	4934.1	1730.1	1192.8	1140.8	1185.6	1153.4	1013.7	925.9
65°	14030.4	13512.8	12171.4	4386.1	1604.7	1110.4	1044.1	1047.7	1013.7	913.4	836.4
67.5°	12477.7	11899.2	10305.2	3696.6	1509.8	1019.1	929.5	920.6	879.4	814.9	752.2
70°	10566.7	10170.9	8374.6	3007.0	1404.1	918.8	800.6	795.2	770.1	721.8	666.2
72.5°	8564.4	8061.1	6762.7	2407.1	1275.2	822.1	680.6	691.3	659.1	625.0	574.9
75°	6320.3	5990.8	5227.8	1930.7	1101.4	716.4	567.7	571.3	557.0	521.2	481.8
77.5°	4162.2	4063.7	3739.5	1268.0	847.1	569.5	463.9	467.4	456.7	424.5	383.3
80°	2801.1	2734.8	2534.2	816.7	565.9	411.9	358.2	361.8	360.0	326.0	270.4
82.5°	1726.5	1697.8	1633.4	551.6	392.2	295.5	236.4	247.2	266.9	229.2	184.5
85°	814.9	816.7	986.8	300.9	231.0	189.8	128.9	137.9	137.9	137.9	103.9
87.5°	105.7	111.0	136.1	127.2	84.2	71.6	46.6	39.4	34.0	44.8	32.2
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°	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8
2.5°	5910.2	5874.4	5797.4	5779.4	5768.7	5799.1	5718.6	5740.0	5704.2	5804.5	5788.4
5°	4948.4	4952.0	5014.7	5055.9	5070.2	5055.9	5002.2	4909.0	4837.4	4808.7	4815.9
7.5°	4264.3	4327.0	4434.4	4554.4	4663.7	4695.9	4665.5	4488.2	4294.7	4173.0	4133.6
10°	4036.8	4121.0	4244.6	4339.5	4436.2	4513.2	4529.4	4391.4	4162.2	3873.9	3761.0
12.5°	4049.4	4164.0	4282.2	4312.6	4303.7	4334.1	4319.8	4296.5	4146.1	3778.9	3590.9
15°	3931.2	4067.3	4149.7	4133.6	4104.9	4078.0	4040.4	3981.3	3927.6	3669.7	3461.9
17.5°	3658.9	3798.6	3866.7	3872.1	3872.1	3864.9	3773.6	3752.1	3744.9	3619.5	3492.4
20°	3709.1	3786.1	3755.7	3705.5	3719.8	3768.2	3714.5	3703.7	3744.9	3800.4	3777.1
22.5°	3737.7	3710.9	3481.6	3259.6	3209.4	3359.9	3390.3	3510.3	3676.9	3877.4	4008.2
25°	3560.4	3343.7	2933.6	2682.9	2541.4	2681.1	2863.8	3085.8	3334.8	3592.7	3744.9
27.5°	2976.6	2811.8	2518.1	2292.4	2168.9	2190.4	2346.2	2548.5	2779.6	2953.3	3064.3
30°	2242.3	2168.9	2016.6	1939.6	1864.4	1846.5	1912.8	1989.8	2091.8	2113.3	2142.0
32.5°	1651.3	1640.5	1649.5	1624.4	1610.1	1608.3	1588.6	1606.5	1617.2	1629.8	1604.7
35°	1493.7	1479.3	1454.3	1447.1	1438.1	1441.7	1432.8	1423.8	1431.0	1441.7	1448.9
37.5°	1413.1	1391.6	1355.8	1343.2	1343.2	1348.6	1334.3	1330.7	1343.2	1377.3	1395.2
40°	1350.4	1325.3	1284.1	1268.0	1278.8	1293.1	1273.4	1266.2	1296.7	1332.5	1361.1
42.5°	1291.3	1271.6	1232.2	1214.3	1223.2	1250.1	1221.4	1216.1	1255.5	1294.9	1328.9
45°	1241.1	1221.4	1185.6	1176.7	1180.2	1205.3	1185.6	1185.6	1223.2	1266.2	1296.7
47.5°	1201.7	1176.7	1153.4	1146.2	1149.8	1164.1	1160.5	1160.5	1196.4	1241.1	1271.6
50°	1162.3	1140.8	1110.4	1114.0	1122.9	1142.6	1140.8	1146.2	1182.0	1237.6	1269.8
52.5°	1144.4	1112.2	1078.2	1081.7	1108.6	1131.9	1124.7	1130.1	1171.3	1275.2	1321.7
55°	1124.7	1081.7	1042.3	1047.7	1078.2	1112.2	1103.2	1110.4	1158.8	1300.2	1364.7
57.5°	1087.1	1037.0	994.0	997.6	1042.3	1078.2	1063.8	1072.8	1130.1	1273.4	1341.4
58°	1071.0	1028.0	986.8	988.6	1031.6	1071.0	1054.9	1062.0	1121.1	1266.2	1330.7
60°	1002.9	977.9	942.0	943.8	985.0	1019.1	1010.1	1017.3	1074.6	1214.3	1262.6
62.5°	909.8	895.5	886.5	886.5	911.6	943.8	952.8	961.7	1013.7	1097.9	1140.8
65°	809.5	809.5	811.3	811.3	827.4	868.6	874.0	897.3	945.6	986.8	1019.1
67.5°	741.5	737.9	741.5	732.5	739.7	764.7	791.6	813.1	863.2	891.9	902.6
70°	653.7	651.9	653.7	641.2	650.1	671.6	689.5	725.3	777.3	798.8	804.1
72.5°	567.7	567.7	571.3	562.4	562.4	585.6	598.2	637.6	685.9	698.5	700.3
75°	478.2	483.6	483.6	471.0	474.6	488.9	505.1	537.3	582.1	591.0	591.0
77.5°	379.7	399.4	399.4	386.8	392.2	394.0	415.5	431.6	465.7	469.2	454.9
80°	275.8	295.5	311.6	300.9	309.8	299.1	311.6	322.4	356.4	340.3	317.0
82.5°	197.0	211.3	223.9	225.7	216.7	197.0	213.1	214.9	231.0	209.5	197.0
85°	109.2	121.8	137.9	130.7	116.4	103.9	109.2	112.8	111.0	105.7	98.5
87.5°	28.7	30.4	34.0	25.1	23.3	19.7	26.9	26.9	30.4	32.2	30.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8
2.5°	5800.9	5879.7	6049.9	6178.8	6336.4	6528.1	6753.7	6981.2	7226.5	7303.6	7411.0
5°	4799.8	4996.8	5079.2	5313.8	5546.6	5895.9	6268.4	6700.0	7172.8	7400.3	7618.8
7.5°	4101.3	4207.0	4292.9	4464.9	4744.3	5168.7	5636.2	6175.3	6845.1	7176.4	7497.0
10°	3725.2	3736.0	3841.6	4054.7	4298.3	4672.6	5115.0	5718.6	6465.4	6868.4	7244.5
12.5°	3476.3	3429.7	3544.3	3766.4	4042.2	4387.9	4794.4	5369.3	6191.4	6605.1	7060.0
15°	3257.8	3184.3	3270.3	3497.8	3770.0	4176.5	4613.5	5222.5	6083.9	6565.7	7070.7
17.5°	3263.1	3060.8	3091.2	3282.8	3553.3	3967.0	4497.1	5217.1	6246.9	6802.1	7400.3
20°	3666.1	3341.9	3204.0	3239.9	3501.3	3952.7	4550.8	5467.8	6782.4	7591.9	8231.3
22.5°	4061.9	3866.7	3644.6	3571.2	3714.5	4187.3	4892.9	6060.6	7946.5	9166.2	10321.3
25°	3924.0	4090.6	4035.0	3931.2	3963.4	4355.6	5125.7	6547.8	8851.0	10224.6	11310.0
27.5°	3139.6	3442.2	3503.1	3501.3	3513.9	3836.3	4609.9	6220.0	8963.8	10427.0	11464.0
30°	2206.5	2233.3	2265.6	2328.3	2385.6	2673.9	3607.0	5460.7	8913.6	10518.3	11557.1
32.5°	1592.2	1628.0	1672.8	1758.7	1894.8	2262.0	3155.7	5218.9	9178.7	10896.2	11829.3
35°	1456.1	1497.2	1540.2	1638.7	1767.7	2108.0	2976.6	5118.6	9613.9	11508.8	12318.3
37.5°	1413.1	1459.6	1497.2	1568.9	1672.8	1996.9	2813.6	5050.5	10059.9	12157.1	12973.8
40°	1382.6	1436.4	1466.8	1524.1	1595.8	1894.8	2668.5	4996.8	10491.5	12749.9	13500.3
42.5°	1355.8	1411.3	1450.7	1491.9	1551.0	1803.5	2539.6	4943.1	10865.8	13324.8	14025.1
45°	1323.5	1393.4	1443.5	1475.8	1527.7	1726.5	2441.1	4900.1	11292.0	13835.2	14555.2
47.5°	1296.7	1373.7	1436.4	1474.0	1493.7	1672.8	2362.3	4959.2	11804.3	14368.9	15047.7
50°	1298.5	1371.9	1450.7	1509.8	1457.8	1628.0	2313.9	5193.8	12470.5	15002.9	15436.3
52.5°	1355.8	1445.3	1508.0	1522.3	1407.7	1574.3	2288.9	5603.9	13258.5	15563.5	15828.6
55°	1420.2	1513.4	1581.4	1572.5	1380.8	1506.2	2283.5	6040.9	14121.8	16217.2	16339.0
57.5°	1397.0	1533.1	1636.9	1590.4	1382.6	1439.9	2260.2	6393.8	14843.5	16706.1	16844.0
58°	1389.8	1525.9	1644.1	1586.8	1377.3	1420.2	2254.8	6424.2	14943.8	16740.2	16915.7
60°	1319.9	1463.2	1638.7	1559.9	1346.8	1366.5	2195.7	6522.7	14917.0	16564.6	16958.7
62.5°	1192.8	1311.0	1515.2	1429.2	1253.7	1294.9	2063.2	6400.9	14189.8	15719.3	16330.0
65°	1049.5	1137.3	1273.4	1257.3	1121.1	1221.4	1882.3	5919.1	12733.8	14347.4	14990.4
67.5°	942.0	1013.7	1099.7	1076.4	1008.3	1122.9	1687.1	5104.3	11100.4	12699.7	13509.3
70°	832.8	888.3	931.3	915.2	893.7	1026.2	1513.4	4142.5	9535.1	11134.4	11918.9
72.5°	721.8	773.7	809.5	786.2	773.7	924.1	1371.9	3214.8	7531.0	9185.9	10194.2
75°	603.6	655.5	680.6	653.7	646.5	814.9	1162.3	2401.7	5650.5	7081.5	7951.9
77.5°	467.4	523.0	555.2	546.2	549.8	669.8	938.5	1644.1	4040.4	4826.7	5743.6
80°	327.7	388.6	410.1	401.2	426.3	510.4	662.7	1044.1	2786.7	3132.4	3778.9
82.5°	202.4	259.7	263.3	272.2	290.1	377.9	499.7	635.8	1749.8	1808.9	2278.1
85°	102.1	123.6	132.5	146.9	163.0	231.0	284.8	394.0	1126.5	852.5	1273.4
87.5°	34.0	35.8	43.0	53.7	66.3	94.9	121.8	161.2	279.4	154.0	394.0
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: P456179

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8	6812.8
2.5°	7627.7	7780.0	7891.0	7993.1	7894.6	7885.6	7788.9	7633.1	7568.6	7568.6
5°	8077.3	8433.7	8722.0	8906.5	8827.7	8637.8	8324.4	7925.0	7710.1	7672.5
7.5°	8200.8	8904.7	9440.2	9630.0	9497.5	9078.4	8478.4	7805.0	7497.0	7428.9
10°	8125.6	9040.8	9827.0	10127.9	9943.4	9309.4	8491.0	7665.3	7285.7	7206.8
12.5°	8046.8	9058.7	9898.7	10333.9	10213.9	9495.7	8582.3	7574.0	7135.2	7022.4
15°	8104.1	9065.9	9810.9	10260.4	10337.5	9719.6	8732.8	7640.3	7104.8	6984.8
17.5°	8465.9	9202.0	9685.5	10049.1	10319.5	10024.0	9160.8	7957.3	7377.0	7228.3
20°	9221.7	9527.9	9757.2	10038.4	10473.6	10645.5	10036.6	8827.7	8141.7	8011.0
22.5°	11410.2	11354.7	10885.5	10880.1	11510.5	12200.1	12158.9	10597.1	9565.6	9458.1
25°	12230.5	11972.6	11293.8	11129.1	11406.7	12470.5	12316.5	10958.9	10006.1	9744.6
27.5°	11909.9	11270.6	10824.6	10787.0	10695.7	11700.4	12071.1	11105.8	10160.2	9905.8
30°	11890.2	10950.0	10312.4	10387.6	10475.4	11435.3	12207.2	11566.1	10554.2	10281.9
32.5°	11938.6	10994.7	10350.0	10364.3	10625.8	11474.7	12357.7	12067.5	11071.8	10799.5
35°	12133.8	11249.1	10590.0	10556.0	10964.3	11732.6	12613.8	12855.6	11779.2	11469.3
37.5°	12449.0	11755.9	11028.8	11019.8	11612.6	12198.3	12932.6	13650.7	12483.0	12149.9
40°	12912.9	12348.7	11809.6	11761.3	12493.8	12955.9	13346.3	14497.9	13301.5	12873.5
42.5°	13473.4	13059.7	12839.4	13031.1	13734.9	13806.6	13991.0	15280.5	13998.2	13500.3
45°	13992.8	13973.1	14279.4	14788.0	15198.1	14768.3	14664.4	15805.3	14539.1	13998.2
47.5°	14610.7	15144.4	16068.6	16813.6	17243.4	15887.7	15239.3	16147.4	14933.1	14435.2
50°	15237.5	16546.7	18022.5	19061.3	19152.6	17103.7	15635.1	16469.7	15291.3	14773.7
52.5°	15896.6	17666.1	19630.8	20837.9	20660.6	18162.2	16018.4	16688.2	15660.2	15205.3
55°	16469.7	18352.0	20529.8	21688.6	21428.9	18806.9	16432.1	16924.6	16186.8	15803.5
57.5°	16790.3	18409.3	20306.0	21317.9	21036.7	18681.6	16622.0	17100.1	16523.5	16222.6
58°	16836.9	18332.3	20107.2	21103.0	20816.4	18575.9	16620.2	17093.0	16544.9	16242.3
60°	16795.7	17832.7	19367.5	20254.0	19953.2	17913.2	16552.1	16958.7	16272.7	16016.6
62.5°	16414.2	16965.8	18090.6	18735.3	18649.3	16878.1	16272.7	16451.8	15443.5	15196.4
65°	15912.7	15783.8	16455.4	16912.1	16976.6	16102.6	15995.1	15355.7	14379.7	14030.4
67.5°	15303.8	14444.1	14442.4	14702.0	14809.5	14909.8	15416.6	14164.8	12846.6	12477.7
70°	14270.4	12379.2	11809.6	12115.9	12026.3	12873.5	14383.3	12492.0	10998.3	10566.7
72.5°	12375.6	9823.5	8911.8	9305.9	9080.2	10095.7	12585.1	10280.1	9094.5	8564.4
75°	10031.2	7348.3	6408.1	6769.9	6630.2	7658.2	10471.8	7466.5	6522.7	6320.3
77.5°	7788.9	5324.5	4778.3	4728.2	4832.0	5698.9	7681.5	5041.6	4300.1	4162.2
80°	5004.0	3811.2	3843.4	3778.9	3832.7	3592.7	4663.7	3216.6	2912.1	2801.1
82.5°	3293.6	2656.0	3166.4	2922.9	2776.0	2416.0	3059.0	2106.2	1787.4	1726.5
85°	2244.1	1955.7	1780.2	1361.1	1602.9	1860.8	2294.2	1133.7	899.1	814.9
87.5°	1013.7	680.6	499.7	308.0	487.1	562.4	1114.0	132.5	102.1	105.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)