

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: P454613

Luminaire Tested: **GALN-SA5D-727-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454613
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-SA5D-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 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: 27928 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

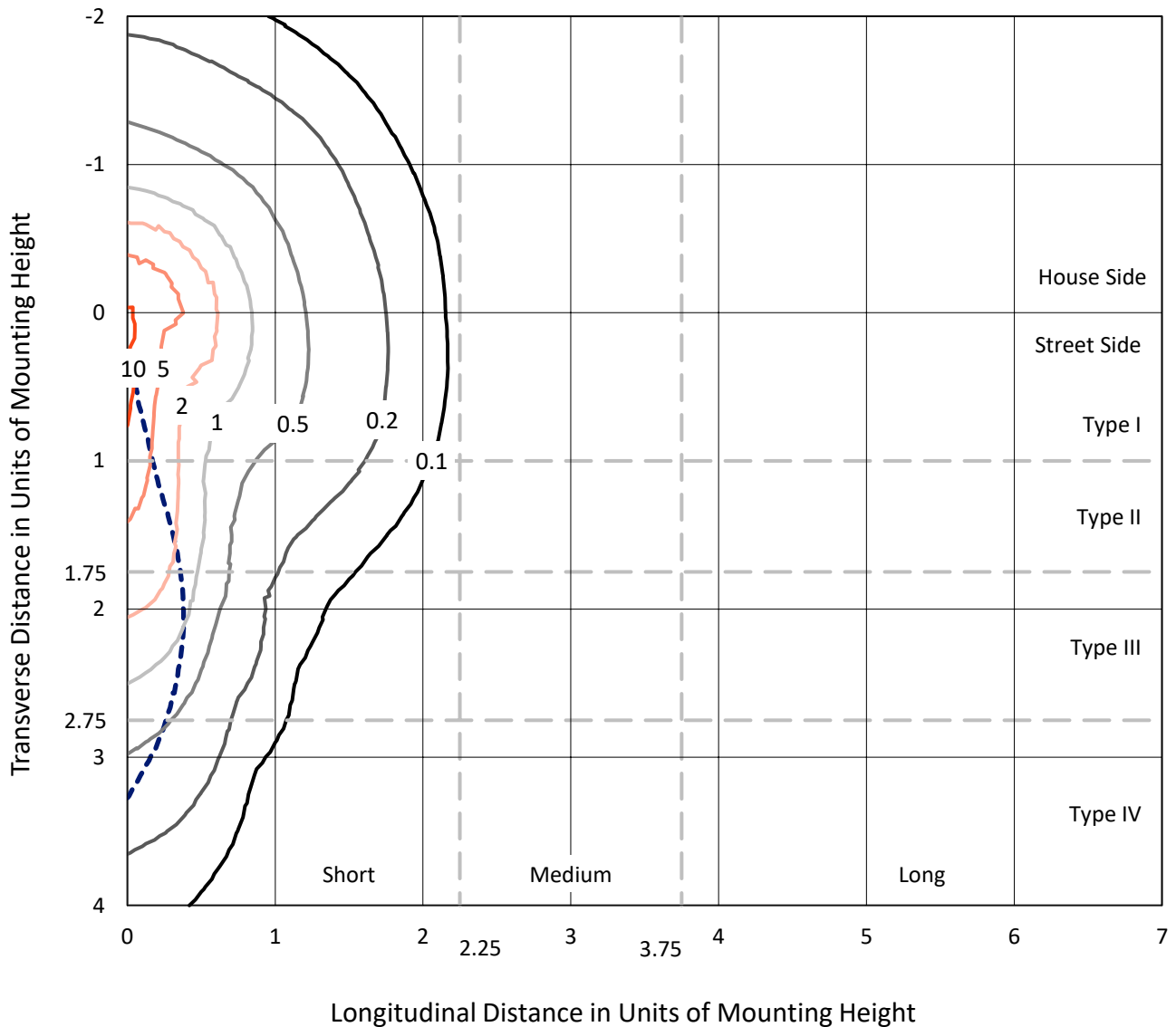
Input Watts (W): 309
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

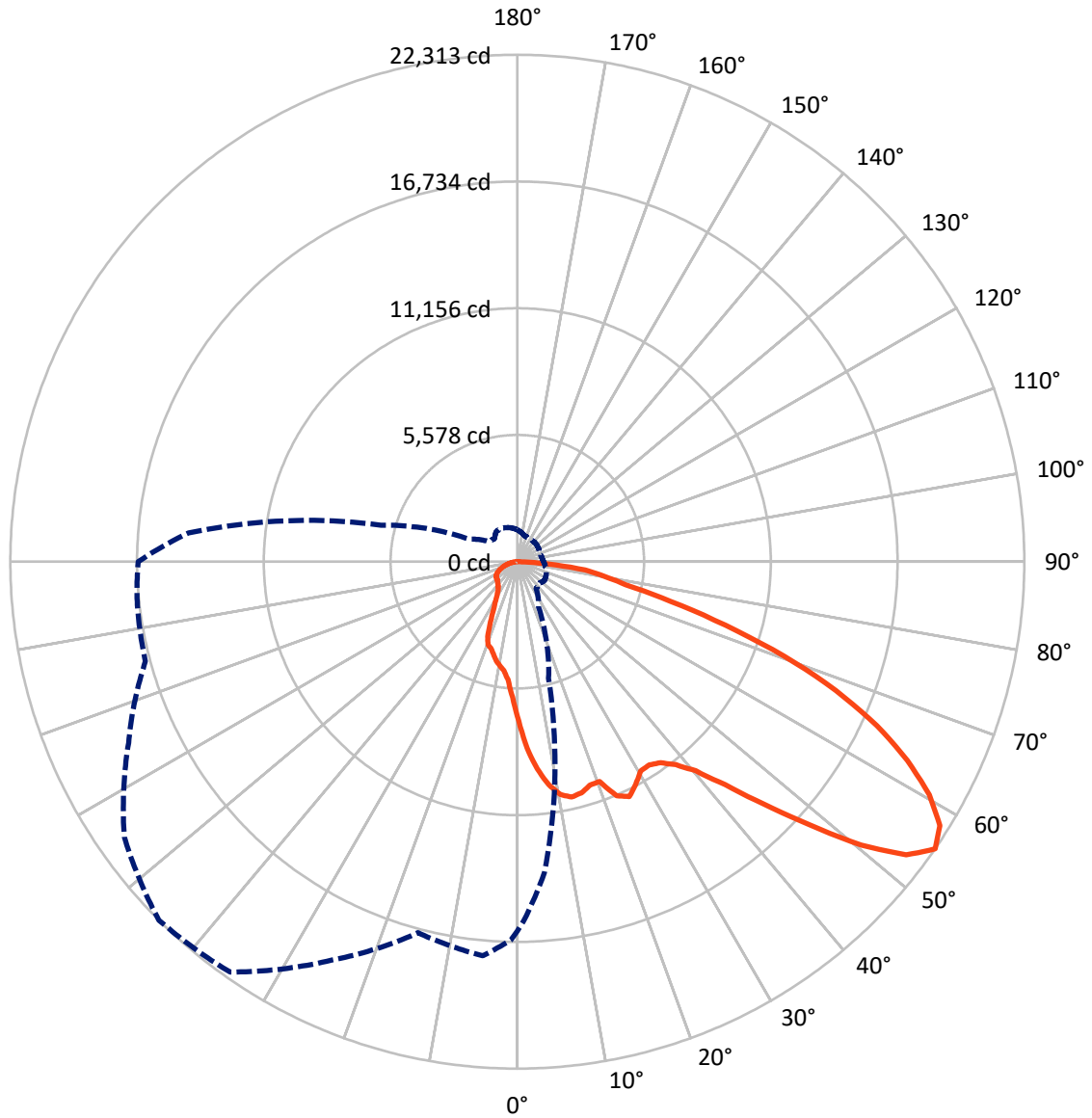
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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	6109.1	0.0	6109.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	21818.9	0.0	21818.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	27928.0	0.0	27928.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.0	2.1
10°-20°	1575.9	5.6
20°-30°	2722.5	9.7
30°-40°	3164.0	11.3
40°-50°	4414.4	15.8
50°-60°	5989.9	21.4
60°-70°	5698.7	20.4
70°-80°	3078.6	11.0
80°-90°	690.0	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°	27928.0	100.0
0°-180°	27928.0	100.0

Coefficient of Utilization



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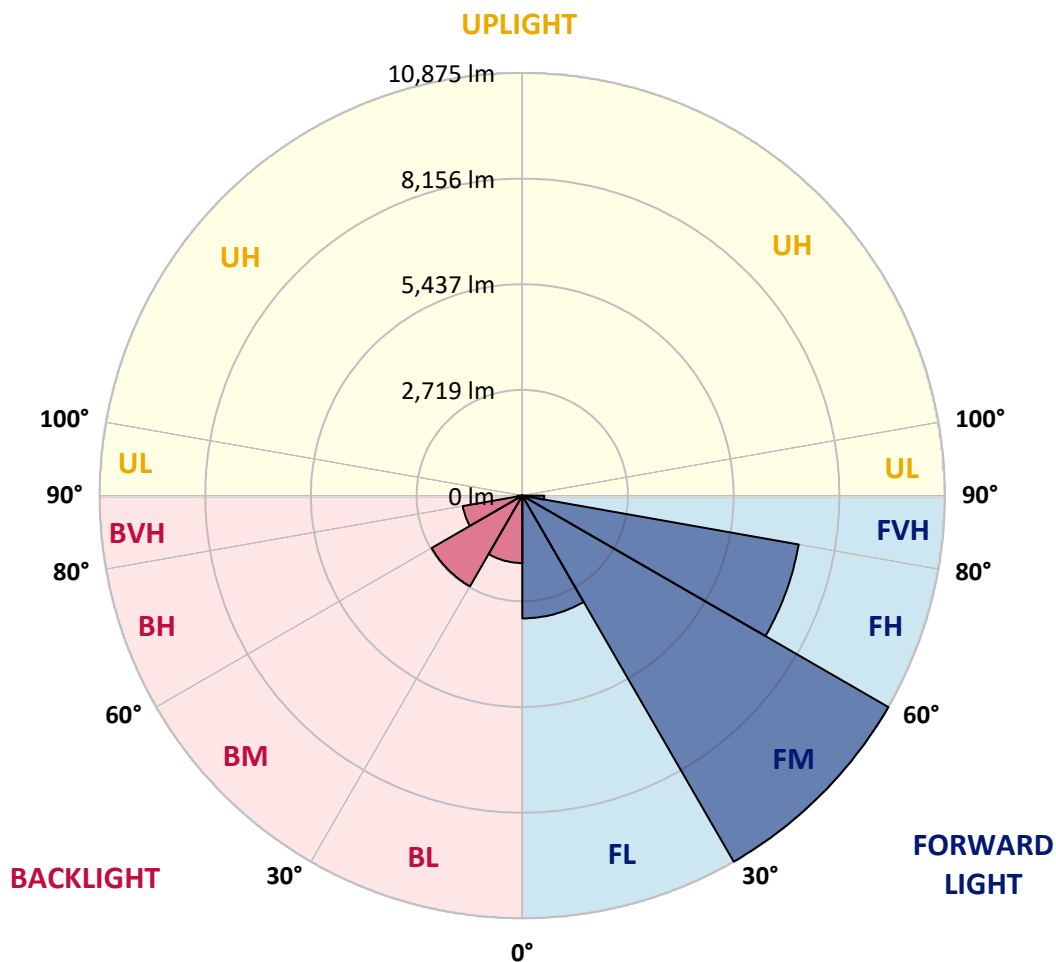
CATALOG NUMBER: GALN-SA5D-727-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3158.7	11.3			
FM	(30°-60°)	10874.6	38.9			
FH	(60°-80°)	7221.7	25.9			G3/7500
FVH	(80°-90°)	563.9	2.0			G4/750
BL	(0°-30°)	1733.8	6.2	B3/2500		
BM	(30°-60°)	2693.7	9.6	B3/5000		
BH	(60°-80°)	1555.5	5.6	B3/2500		G3/2500
BVH	(80°-90°)	126.1	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°	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8
2.5°	7786.4	7756.9	7674.0	7456.6	7237.3	7014.4	6843.0	6629.3	6406.3	6286.6	6133.7
5°	7893.2	7860.1	7664.8	7174.7	6730.6	6264.5	5892.3	5566.2	5433.5	5238.2	5081.6
7.5°	7642.7	7627.9	7335.0	6631.1	6023.1	5413.2	4991.3	4729.7	4492.0	4403.6	4422.0
10°	7414.2	7355.2	6988.6	6069.2	5359.8	4864.2	4562.0	4305.9	4138.2	4094.0	4103.2
12.5°	7224.4	7145.2	6712.2	5691.5	5070.5	4674.4	4289.3	4022.2	3869.2	3911.6	4055.3
15°	7185.7	7078.9	6596.1	5562.5	4912.1	4401.7	3979.8	3672.1	3557.9	3650.0	3880.3
17.5°	7436.3	7301.8	6795.1	5604.9	4761.0	4123.5	3605.8	3253.8	3158.0	3305.4	3605.8
20°	8241.5	8042.5	7416.0	5849.9	4746.3	3985.3	3388.3	3034.6	3075.1	3355.2	3668.4
22.5°	9730.2	9431.7	8503.1	6207.4	4823.6	3950.3	3344.1	3159.9	3382.8	3620.5	3826.9
25°	10025.0	9791.0	8698.4	6288.4	4807.1	3926.3	3469.4	3561.5	3810.3	3928.2	3856.3
27.5°	10190.8	9923.7	8685.5	5886.8	4298.5	3561.5	3316.5	3469.4	3532.1	3417.8	3222.5
30°	10577.7	10299.5	8904.8	5464.8	3539.4	2642.1	2316.0	2253.4	2295.7	2317.9	2247.8
32.5°	11110.2	10835.7	9317.5	5188.5	3060.4	2185.2	1864.6	1776.2	1755.9	1731.9	1704.3
35°	11799.3	11377.4	9722.8	5011.6	2863.2	2021.2	1726.4	1658.2	1630.6	1597.4	1568.0
37.5°	12499.5	12057.3	10235.0	4825.5	2732.4	1907.0	1634.3	1603.0	1555.1	1520.1	1477.7
40°	13243.8	12748.2	10701.2	4663.3	2605.3	1833.3	1568.0	1564.3	1501.6	1461.1	1411.3
42.5°	13888.7	13378.3	11117.6	4563.9	2507.6	1755.9	1527.4	1538.5	1474.0	1413.2	1348.7
45°	14400.9	13899.8	11502.7	4563.9	2428.4	1678.5	1520.1	1512.7	1448.2	1372.7	1299.0
47.5°	14850.5	14332.7	11878.5	4679.9	2378.7	1614.0	1479.5	1492.4	1426.1	1330.3	1258.4
50°	15198.7	14741.8	12385.2	4860.5	2328.9	1562.4	1427.9	1497.9	1407.7	1308.2	1225.3
52.5°	15642.8	15233.7	12995.1	5107.4	2286.5	1505.3	1381.9	1497.9	1405.8	1310.0	1219.7
55°	16258.1	15827.0	13730.2	5311.9	2218.4	1451.9	1341.3	1455.6	1400.3	1300.8	1205.0
57.5°	16689.3	16366.9	14249.8	5448.2	2120.7	1383.7	1304.5	1415.0	1376.3	1265.8	1160.8
58°	16709.6	16394.5	14325.4	5479.6	2096.8	1370.8	1295.3	1396.6	1365.3	1251.1	1146.0
60°	16477.4	16206.6	14340.1	5435.3	1960.4	1306.3	1247.4	1321.1	1306.3	1164.5	1066.8
62.5°	15633.5	15344.3	13745.0	5076.1	1779.8	1227.1	1173.7	1219.7	1186.6	1042.9	952.6
65°	14434.1	13901.6	12521.6	4512.3	1650.9	1142.3	1074.2	1077.9	1042.9	939.7	860.4
67.5°	12836.6	12241.5	10601.7	3802.9	1553.2	1048.4	956.3	947.0	904.7	838.3	773.8
70°	10870.7	10463.5	8615.5	3093.5	1444.5	945.2	823.6	818.1	792.3	742.5	685.4
72.5°	8810.8	8293.1	6957.2	2476.3	1311.9	845.7	700.1	711.2	678.0	643.0	591.4
75°	6502.2	6163.1	5378.2	1986.2	1133.1	737.0	584.1	587.8	573.0	536.2	495.6
77.5°	4281.9	4180.6	3847.1	1304.5	871.5	585.9	477.2	480.9	469.8	436.7	394.3
80°	2881.7	2813.5	2607.1	840.2	582.2	423.8	368.5	372.2	370.3	335.3	278.2
82.5°	1776.2	1746.7	1680.4	567.5	403.5	304.0	243.2	254.3	274.5	235.8	189.8
85°	838.3	840.2	1015.2	309.5	237.7	195.3	132.7	141.9	141.9	141.9	106.9
87.5°	108.7	114.2	140.0	130.8	86.6	73.7	47.9	40.5	35.0	46.1	33.2
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°	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8
2.5°	6080.2	6043.4	5964.1	5945.7	5934.7	5966.0	5883.1	5905.2	5868.3	5971.5	5954.9
5°	5090.8	5094.5	5159.0	5201.4	5216.1	5201.4	5146.1	5050.3	4976.6	4947.1	4954.5
7.5°	4387.0	4451.5	4562.0	4685.5	4797.8	4831.0	4799.7	4617.3	4418.3	4293.0	4252.5
10°	4153.0	4239.6	4366.7	4464.4	4563.9	4643.1	4659.7	4517.8	4281.9	3985.3	3869.2
12.5°	4165.9	4283.8	4405.4	4436.7	4427.5	4458.8	4444.1	4420.1	4265.4	3887.7	3694.2
15°	4044.3	4184.3	4269.1	4252.5	4223.0	4195.4	4156.7	4095.9	4040.6	3775.3	3561.5
17.5°	3764.2	3907.9	3977.9	3983.5	3983.5	3976.1	3882.1	3860.0	3852.6	3723.7	3592.9
20°	3815.8	3895.0	3863.7	3812.1	3826.9	3876.6	3821.3	3810.3	3852.6	3909.8	3885.8
22.5°	3845.3	3817.6	3581.8	3353.3	3301.7	3456.5	3487.8	3611.3	3782.6	3989.0	4123.5
25°	3662.9	3439.9	3018.0	2760.1	2614.5	2758.2	2946.1	3174.6	3430.7	3696.0	3852.6
27.5°	3062.2	2892.7	2590.5	2358.4	2231.3	2253.4	2413.7	2621.9	2859.5	3038.3	3152.5
30°	2306.8	2231.3	2074.6	1995.4	1918.0	1899.6	1967.8	2047.0	2152.0	2174.1	2203.6
32.5°	1698.8	1687.7	1696.9	1671.1	1656.4	1654.6	1634.3	1652.7	1663.8	1676.7	1650.9
35°	1536.6	1521.9	1496.1	1488.7	1479.5	1483.2	1474.0	1464.8	1472.2	1483.2	1490.6
37.5°	1453.7	1431.6	1394.8	1381.9	1381.9	1387.4	1372.7	1369.0	1381.9	1416.9	1435.3
40°	1389.2	1363.4	1321.1	1304.5	1315.5	1330.3	1310.0	1302.6	1334.0	1370.8	1400.3
42.5°	1328.4	1308.2	1267.6	1249.2	1258.4	1286.1	1256.6	1251.1	1291.6	1332.1	1367.1
45°	1276.8	1256.6	1219.7	1210.5	1214.2	1240.0	1219.7	1219.7	1258.4	1302.6	1334.0
47.5°	1236.3	1210.5	1186.6	1179.2	1182.9	1197.6	1193.9	1193.9	1230.8	1276.8	1308.2
50°	1195.8	1173.7	1142.3	1146.0	1155.2	1175.5	1173.7	1179.2	1216.0	1273.2	1306.3
52.5°	1177.4	1144.2	1109.2	1112.9	1140.5	1164.5	1157.1	1162.6	1205.0	1311.9	1359.8
55°	1157.1	1112.9	1072.3	1077.9	1109.2	1144.2	1135.0	1142.3	1192.1	1337.6	1404.0
57.5°	1118.4	1066.8	1022.6	1026.3	1072.3	1109.2	1094.4	1103.7	1162.6	1310.0	1380.0
58°	1101.8	1057.6	1015.2	1017.1	1061.3	1101.8	1085.2	1092.6	1153.4	1302.6	1369.0
60°	1031.8	1006.0	969.2	971.0	1013.4	1048.4	1039.2	1046.5	1105.5	1249.2	1299.0
62.5°	936.0	921.2	912.0	912.0	937.8	971.0	980.2	989.4	1042.9	1129.4	1173.7
65°	832.8	832.8	834.6	834.6	851.2	893.6	899.1	923.1	972.8	1015.2	1048.4
67.5°	762.8	759.1	762.8	753.6	760.9	786.7	814.4	836.5	888.1	917.6	928.6
70°	672.5	670.7	672.5	659.6	668.8	690.9	709.4	746.2	799.6	821.8	827.3
72.5°	584.1	584.1	587.8	578.5	578.5	602.5	615.4	655.9	705.7	718.6	720.4
75°	491.9	497.5	497.5	484.6	488.3	503.0	519.6	552.7	598.8	608.0	608.0
77.5°	390.6	410.9	410.9	398.0	403.5	405.3	427.5	444.0	479.0	482.7	468.0
80°	283.7	304.0	320.6	309.5	318.8	307.7	320.6	331.6	366.7	350.1	326.1
82.5°	202.7	217.4	230.3	232.2	222.9	202.7	219.3	221.1	237.7	215.6	202.7
85°	112.4	125.3	141.9	134.5	119.8	106.9	112.4	116.1	114.2	108.7	101.3
87.5°	29.5	31.3	35.0	25.8	24.0	20.3	27.6	27.6	31.3	33.2	31.3
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°	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8
2.5°	5967.8	6048.9	6223.9	6356.6	6518.7	6715.9	6948.0	7182.0	7434.5	7513.7	7624.2
5°	4937.9	5140.6	5225.3	5466.7	5706.2	6065.5	6448.7	6892.8	7379.2	7613.2	7838.0
7.5°	4219.3	4328.0	4416.5	4593.3	4880.8	5317.4	5798.3	6352.9	7042.0	7382.9	7712.7
10°	3832.4	3843.4	3952.1	4171.4	4422.0	4807.1	5262.2	5883.1	6651.4	7066.0	7452.9
12.5°	3576.3	3528.4	3646.3	3874.8	4158.5	4514.1	4932.3	5523.8	6369.5	6795.1	7263.1
15°	3351.5	3275.9	3364.4	3598.4	3878.4	4296.7	4746.3	5372.7	6258.9	6754.6	7274.2
17.5°	3357.0	3148.8	3180.1	3377.3	3655.5	4081.1	4626.5	5367.2	6426.6	6997.8	7613.2
20°	3771.6	3438.1	3296.2	3333.1	3602.1	4066.4	4681.8	5625.1	6977.5	7810.3	8468.1
22.5°	4178.8	3977.9	3749.5	3673.9	3821.3	4307.7	5033.7	6235.0	8175.1	9429.9	10618.3
25°	4036.9	4208.3	4151.1	4044.3	4077.4	4480.9	5273.2	6736.1	9105.6	10518.8	11635.3
27.5°	3229.9	3541.3	3603.9	3602.1	3615.0	3946.6	4742.6	6399.0	9221.7	10727.0	11793.8
30°	2269.9	2297.6	2330.8	2395.2	2454.2	2750.8	3710.8	5617.8	9170.1	10821.0	11889.6
32.5°	1638.0	1674.8	1720.9	1809.3	1949.4	2327.1	3246.5	5369.0	9442.8	11209.7	12169.7
35°	1497.9	1540.3	1584.5	1685.9	1818.5	2168.6	3062.2	5265.8	9890.5	11839.8	12672.7
37.5°	1453.7	1501.6	1540.3	1614.0	1720.9	2054.4	2894.6	5195.8	10349.3	12506.8	13347.0
40°	1422.4	1477.7	1509.0	1568.0	1641.7	1949.4	2745.3	5140.6	10793.3	13116.7	13888.7
42.5°	1394.8	1451.9	1492.4	1534.8	1595.6	1855.4	2612.7	5085.3	11178.4	13708.1	14428.5
45°	1361.6	1433.5	1485.0	1518.2	1571.6	1776.2	2511.3	5041.1	11616.9	14233.2	14973.9
47.5°	1334.0	1413.2	1477.7	1516.4	1536.6	1720.9	2430.2	5101.9	12143.9	14782.3	15480.6
50°	1335.8	1411.3	1492.4	1553.2	1499.8	1674.8	2380.5	5343.2	12829.3	15434.5	15880.4
52.5°	1394.8	1486.9	1551.4	1566.1	1448.2	1619.5	2354.7	5765.2	13640.0	16011.2	16283.9
55°	1461.1	1556.9	1626.9	1617.7	1420.6	1549.5	2349.2	6214.7	14528.0	16683.8	16809.0
57.5°	1437.1	1577.2	1684.0	1636.1	1422.4	1481.4	2325.2	6577.7	15270.6	17186.8	17328.6
58°	1429.8	1569.8	1691.4	1632.4	1416.9	1461.1	2319.7	6609.0	15373.7	17221.8	17402.3
60°	1357.9	1505.3	1685.9	1604.8	1385.6	1405.8	2258.9	6710.4	15346.1	17041.2	17446.6
62.5°	1227.1	1348.7	1558.7	1470.3	1289.7	1332.1	2122.6	6585.1	14598.1	16171.5	16799.8
65°	1079.7	1170.0	1310.0	1293.4	1153.4	1256.6	1936.5	6089.4	13100.1	14760.2	15421.7
67.5°	969.2	1042.9	1131.3	1107.3	1037.3	1155.2	1735.6	5251.1	11419.8	13065.1	13897.9
70°	856.8	913.9	958.1	941.5	919.4	1055.7	1556.9	4261.7	9809.4	11454.8	12261.8
72.5°	742.5	796.0	832.8	808.9	796.0	950.7	1411.3	3307.3	7747.7	9450.1	10487.5
75°	620.9	674.4	700.1	672.5	665.1	838.3	1195.8	2470.8	5813.1	7285.2	8180.7
77.5°	480.9	538.0	571.2	562.0	565.6	689.1	965.5	1691.4	4156.7	4965.5	5908.9
80°	337.2	399.8	421.9	412.7	438.5	525.1	681.7	1074.2	2866.9	3222.5	3887.7
82.5°	208.2	267.2	270.8	280.1	298.5	388.8	514.1	654.1	1800.1	1860.9	2343.6
85°	105.0	127.1	136.3	151.1	167.7	237.7	293.0	405.3	1158.9	877.0	1310.0
87.5°	35.0	36.8	44.2	55.3	68.2	97.7	125.3	165.8	287.4	158.5	405.3
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: P454613

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8	7008.8
2.5°	7847.2	8003.8	8118.0	8223.0	8121.7	8112.5	8013.0	7852.7	7786.4	7786.4
5°	8309.6	8676.3	8972.9	9162.7	9081.6	8886.3	8563.9	8153.0	7931.9	7893.2
7.5°	8436.8	9160.9	9711.8	9907.1	9770.7	9339.6	8722.4	8029.6	7712.7	7642.7
10°	8359.4	9300.9	10109.7	10419.3	10229.5	9577.3	8735.3	7885.9	7495.3	7414.2
12.5°	8278.3	9319.3	10183.4	10631.2	10507.7	9768.9	8829.2	7791.9	7340.5	7224.4
15°	8337.3	9326.7	10093.2	10555.6	10634.9	9999.2	8984.0	7860.1	7309.2	7185.7
17.5°	8709.5	9466.7	9964.2	10338.2	10616.4	10312.4	9424.3	8186.2	7589.2	7436.3
20°	9487.0	9802.1	10037.9	10327.2	10774.9	10951.8	10325.3	9081.6	8376.0	8241.5
22.5°	11738.5	11681.4	11198.7	11193.1	11841.7	12551.1	12508.7	10902.0	9840.7	9730.2
25°	12582.4	12317.1	11618.8	11449.2	11734.8	12829.3	12670.8	11274.2	10294.0	10025.0
27.5°	12252.6	11594.8	11136.0	11097.3	11003.4	12037.0	12418.4	11425.3	10452.5	10190.8
30°	12232.3	11265.0	10609.1	10686.4	10776.7	11764.3	12558.4	11898.8	10857.8	10577.7
32.5°	12282.0	11311.1	10647.8	10662.5	10931.5	11804.8	12713.2	12414.7	11390.3	11110.2
35°	12482.9	11572.7	10894.7	10859.6	11279.7	12070.2	12976.7	13225.4	12118.1	11799.3
37.5°	12807.2	12094.1	11346.1	11336.8	11946.7	12549.2	13304.6	14043.5	12842.2	12499.5
40°	13284.4	12704.0	12149.4	12099.6	12853.2	13328.6	13730.2	14915.0	13684.2	13243.8
42.5°	13861.1	13435.4	13208.8	13406.0	14130.1	14203.8	14393.5	15720.1	14400.9	13888.7
45°	14395.4	14375.1	14690.2	15213.5	15635.4	15193.2	15086.3	16260.0	14957.3	14400.9
47.5°	15031.0	15580.1	16530.8	17297.3	17739.5	16344.7	15677.8	16611.9	15362.7	14850.5
50°	15675.9	17022.8	18541.0	19609.6	19703.6	17595.8	16084.9	16943.6	15731.2	15198.7
52.5°	16354.0	18174.3	20195.5	21437.4	21255.0	18684.7	16479.2	17168.3	16110.7	15642.8
55°	16943.6	18880.0	21120.5	22312.6	22045.4	19348.0	16904.9	17411.5	16652.4	16258.1
57.5°	17273.4	18939.0	20890.2	21931.2	21641.9	19219.0	17100.2	17592.1	16998.8	16689.3
58°	17321.3	18859.7	20685.7	21710.1	21415.3	19110.3	17098.3	17584.7	17020.9	16709.6
60°	17278.9	18345.7	19924.7	20836.7	20527.2	18428.6	17028.3	17446.6	16740.9	16477.4
62.5°	16886.4	17453.9	18611.0	19274.3	19185.9	17363.6	16740.9	16925.1	15887.8	15633.5
65°	16370.5	16237.9	16928.8	17398.6	17465.0	16565.8	16455.3	15797.5	14793.4	14434.1
67.5°	15744.1	14859.7	14857.9	15125.0	15235.6	15338.7	15860.2	14572.3	13216.2	12836.6
70°	14681.0	12735.3	12149.4	12464.5	12372.3	13243.8	14797.0	12851.4	11314.7	10870.7
72.5°	12731.6	10106.1	9168.2	9573.6	9341.4	10386.1	12947.2	10575.9	9356.2	8810.8
75°	10319.8	7559.7	6592.4	6964.6	6820.9	7878.5	10773.0	7681.3	6710.4	6502.2
77.5°	8013.0	5477.7	4915.8	4864.2	4971.0	5862.8	7902.4	5186.6	4423.8	4281.9
80°	5147.9	3920.8	3954.0	3887.7	3942.9	3696.0	4797.8	3309.1	2995.9	2881.7
82.5°	3388.3	2732.4	3257.5	3006.9	2855.9	2485.5	3147.0	2166.8	1838.8	1776.2
85°	2308.6	2012.0	1831.4	1400.3	1649.0	1914.3	2360.2	1166.3	924.9	838.3
87.5°	1042.9	700.1	514.1	316.9	501.2	578.5	1146.0	136.3	105.0	108.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)