

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P530888

Luminaire Tested: **GALN-SA6A-827-U-SLL-GRSWH**

Issue Date: 5/27/2021

Report Generated By 670246001

Test Information

Test Method: LM-79-08
Report Number: P530888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-827-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14847 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

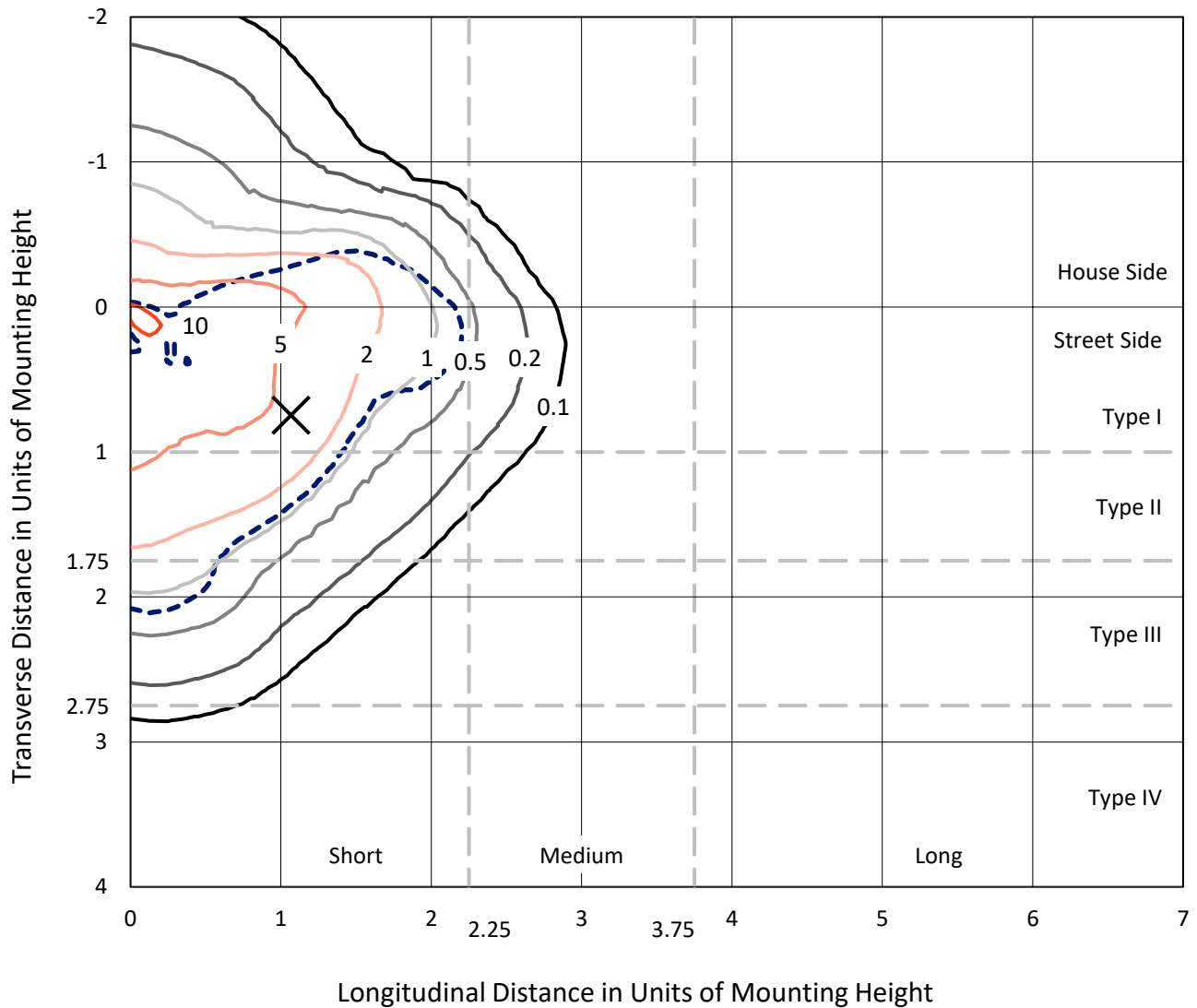
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

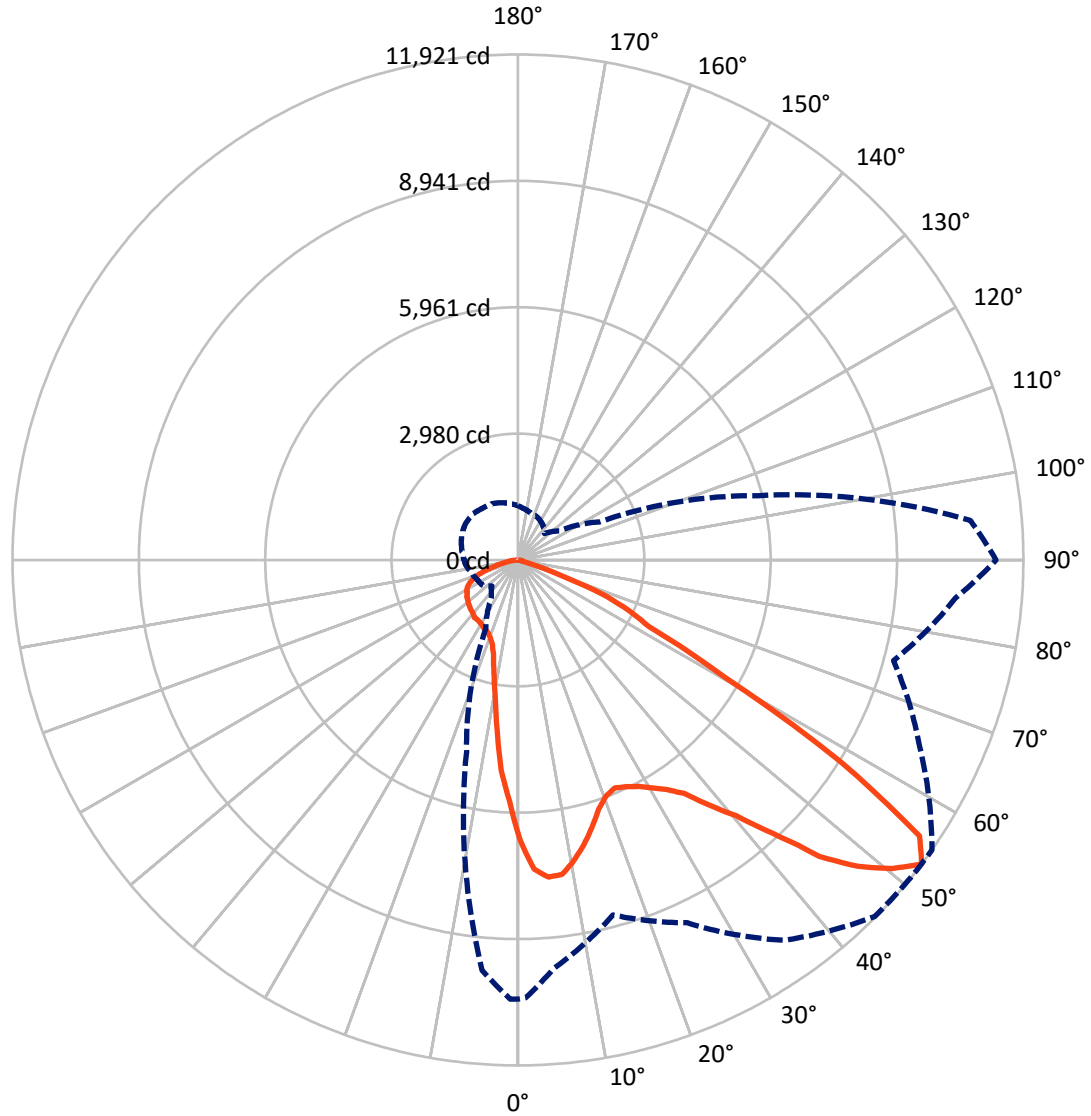
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4529.1	0.0	4529.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	10317.9	0.0	10317.9
	% Fixture	69.5	0.0	69.5
Total	Lumens	14847.0	0.0	14847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.0	3.4
10°-20°	1091.0	7.3
20°-30°	1654.2	11.1
30°-40°	2390.1	16.1
40°-50°	3193.9	21.5
50°-60°	3565.1	24.0
60°-70°	1955.6	13.2
70°-80°	422.8	2.8
80°-90°	68.4	0.5
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°	14847.0	100.0
0°-180°	14847.0	100.0

Coefficient of Utilization



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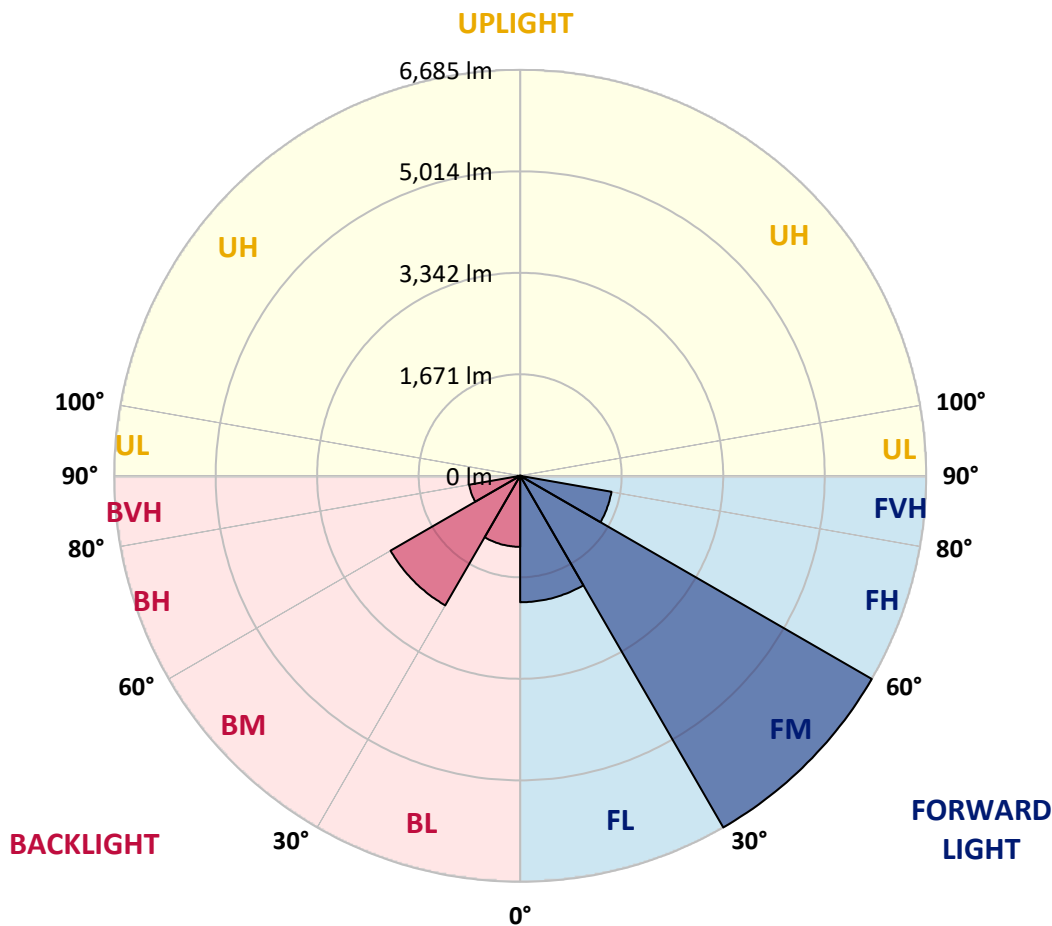
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2081.8	14.0			
FM (30°-60°)	6684.8	45.0			
FH (60°-80°)	1525.9	10.3			G1/1800
FVH (80°-90°)	25.3	0.2			G1/100
BL (0°-30°)	1169.4	7.9	B3/2500		
BM (30°-60°)	2464.2	16.6	B2/2500		
BH (60°-80°)	852.5	5.7	B2/1000		G2/1000
BVH (80°-90°)	43.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9
2.5°	6950.3	6911.2	6945.9	7110.7	7206.1	7271.1	7312.3	7305.8	7149.7	6998.0	6998.0
5°	6746.5	6696.6	6768.2	7141.0	7516.1	7548.6	7602.8	7513.9	7284.1	7006.6	6659.8
7.5°	6156.8	6193.7	6312.9	6802.8	7290.6	7535.6	7600.6	7487.9	7115.0	6596.9	6087.4
10°	5647.4	5734.1	6009.4	6538.4	6987.1	7305.8	7377.3	7219.1	6924.2	6289.1	5833.8
12.5°	5471.8	5417.6	5723.2	6252.2	6681.4	6852.7	6885.2	6896.1	6696.6	6133.0	5578.0
15°	5450.1	5484.8	5723.2	6124.3	6388.8	6397.4	6451.6	6536.2	6562.2	6239.2	5697.2
17.5°	5762.3	5721.1	5966.0	6284.7	6159.0	6033.2	6046.3	6167.7	6382.3	6330.2	6072.3
20°	6224.0	6317.2	6510.2	6477.7	6139.5	5820.8	5823.0	5937.9	6360.6	6707.5	6594.7
22.5°	6991.5	7082.5	7225.6	6833.2	6139.5	5757.9	5684.2	5840.3	6499.3	7156.2	7184.4
25°	7691.7	7858.6	7897.6	7435.9	6447.3	5816.5	5768.8	5922.7	6638.1	7594.1	7860.8
27.5°	8329.0	8389.7	8561.0	7823.9	6618.6	5855.5	5851.1	6048.4	6813.7	7813.1	8465.6
30°	8832.0	8825.5	8923.0	8068.9	6891.7	6074.4	5864.1	6237.0	7043.5	8175.1	9024.9
32.5°	9174.5	9248.2	9454.2	8409.3	7006.6	6282.6	6117.8	6458.2	7323.1	8346.4	9419.5
35°	9777.2	9905.1	9645.0	8597.9	7370.8	6488.5	6295.6	6759.5	7461.9	8532.8	9902.9
37.5°	10345.2	10247.6	9983.1	8699.8	7607.1	6870.1	6690.1	7342.7	7893.3	8938.2	10223.8
40°	10709.4	10707.2	10236.8	8782.1	7774.1	7453.2	7442.4	7934.5	8422.3	9194.0	10583.6
42.5°	10867.6	11019.4	10340.8	8773.5	8125.3	8159.9	8378.9	8819.0	8797.3	9246.1	10575.0
44°	11084.4	11175.5	10520.8	8793.0	8359.4	8636.9	9152.8	9432.5	9124.7	9217.9	10564.1
45°	11075.8	11082.3	10265.0	8819.0	8558.8	9035.8	9497.5	9970.1	9413.0	9157.2	10707.2
47.5°	10822.1	10748.4	10048.2	8626.0	9181.0	10089.4	10516.4	10802.6	9768.5	9027.1	10529.5
50°	10321.3	10236.8	9521.4	8543.7	9311.1	10744.1	11333.7	11437.8	10091.5	8899.2	10353.9
52.5°	10356.0	10332.2	9671.0	8667.2	9441.2	10950.0	11895.2	11921.2	10457.9	9168.0	10356.0
55°	10976.0	10893.7	10100.2	8821.2	9345.8	10709.4	11537.5	11492.0	10334.3	9005.4	10546.8
57.5°	10043.8	10098.0	9506.2	8212.0	8179.5	8706.3	9070.5	8957.7	8623.9	8127.4	9811.9
60°	8103.6	8257.5	8313.9	6867.9	6172.0	5901.0	5792.6	5593.2	5649.5	6677.1	8619.5
62.5°	6950.3	6941.6	7295.0	6226.2	4043.1	3477.3	3425.3	3470.8	4121.2	6573.0	8441.8
65°	5510.8	5658.2	5766.6	5276.6	3199.8	2582.0	2579.8	2868.1	3566.2	5493.4	6815.9
67.5°	3499.0	3691.9	3826.3	3375.4	2139.7	1838.4	1788.5	2135.4	2471.4	3603.0	4103.8
70°	1972.8	2063.8	2124.5	1946.8	1361.4	953.9	897.5	979.9	1493.7	2332.7	2432.4
72.5°	760.9	802.1	884.5	891.0	513.8	307.8	249.3	299.2	628.7	923.5	880.2
75°	117.1	125.7	177.8	212.5	147.4	112.7	119.2	123.6	175.6	238.5	199.4
77.5°	56.4	56.4	54.2	62.9	73.7	80.2	86.7	95.4	104.1	114.9	110.6
80°	36.9	36.9	36.9	43.4	54.2	65.0	73.7	78.0	82.4	91.1	86.7
82.5°	23.8	23.8	23.8	32.5	43.4	54.2	58.5	69.4	78.0	91.1	84.5
85°	13.0	13.0	13.0	21.7	32.5	45.5	43.4	34.7	19.5	2.2	4.3
87.5°	4.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9
2.5°	6815.9	6716.1	6707.5	6503.7	6321.6	6232.7	6161.1	5961.7	6005.1	5890.2	5888.0
5°	6486.3	6282.6	5953.0	5682.0	5411.1	5356.9	5120.6	4914.6	4921.1	4773.7	4799.7
7.5°	5894.5	5753.6	5352.5	4927.6	4567.7	4311.9	4088.6	3954.2	3783.0	3724.4	3694.1
10°	5519.5	5346.0	4895.1	4361.8	3958.6	3822.0	3607.4	3488.1	3312.5	3225.8	3165.1
12.5°	5354.7	5101.1	4537.4	3995.4	3726.6	3585.7	3403.6	3186.8	2978.7	2898.5	2787.9
15°	5372.0	5068.5	4433.3	3848.0	3525.0	3251.8	3089.2	2848.6	2636.2	2495.2	2415.0
17.5°	5634.4	5265.8	4481.0	3735.3	3271.3	2928.8	2610.1	2350.0	2180.9	2074.7	2048.7
20°	6254.4	5753.6	4561.2	3553.2	3017.7	2590.6	2198.2	1927.3	1797.2	1795.0	1797.2
22.5°	6770.3	6273.9	4723.8	3444.8	2764.1	2157.1	1766.8	1680.1	1654.1	1708.3	1714.8
25°	7466.2	6859.2	5003.5	3388.4	2529.9	1838.4	1597.7	1565.2	1563.1	1632.4	1634.6
27.5°	8179.5	7370.8	5170.4	3223.7	2291.5	1673.6	1495.8	1489.3	1524.0	1597.7	1591.2
30°	8665.1	7800.1	5471.8	3026.4	2009.6	1528.4	1454.7	1463.3	1511.0	1567.4	1576.1
32.5°	9230.9	8222.8	5549.8	2918.0	1836.2	1407.0	1354.9	1374.4	1435.1	1524.0	1571.7
35°	9879.1	8522.0	5669.0	2770.6	1771.2	1313.7	1287.7	1309.4	1383.1	1441.6	1493.7
37.5°	10358.2	9050.9	5690.7	2655.7	1699.6	1261.7	1220.5	1292.1	1335.4	1417.8	1443.8
40°	10713.7	9434.7	5747.1	2584.1	1643.3	1194.5	1194.5	1242.2	1300.7	1376.6	1428.6
42.5°	10941.4	9714.3	5788.3	2519.1	1534.9	1175.0	1164.2	1211.9	1289.9	1363.6	1387.5
44°	11080.1	9833.6	5747.1	2458.4	1504.5	1151.2	1151.2	1192.3	1253.0	1339.8	1367.9
45°	11114.8	9983.1	5656.0	2456.2	1467.7	1123.0	1118.6	1196.7	1237.9	1344.1	1361.4
47.5°	11249.2	10167.4	5666.9	2386.8	1378.8	1055.8	1131.6	1166.3	1203.2	1296.4	1354.9
50°	11244.9	10282.3	5643.0	2285.0	1313.7	979.9	1105.6	1144.6	1181.5	1276.9	1300.7
52.5°	11275.2	10711.6	5862.0	2122.4	1196.7	882.3	1018.9	1105.6	1151.2	1231.4	1281.2
55°	11260.0	10956.5	6078.8	2001.0	1031.9	823.8	945.2	1047.1	1112.1	1196.7	1220.5
57.5°	10284.5	9684.0	5625.7	1773.3	854.1	754.4	841.1	986.4	1068.8	1155.5	1185.8
60°	8402.7	7464.1	4639.3	1305.1	702.4	693.7	782.6	966.9	1001.6	1077.4	1129.5
62.5°	7765.4	6547.0	3678.9	997.2	600.5	635.2	721.9	873.7	927.9	1021.1	1068.8
65°	6076.6	4348.8	2278.5	674.2	529.0	570.2	652.5	765.3	854.1	940.9	997.2
67.5°	3598.7	2376.0	1127.3	472.6	461.8	505.1	589.7	674.2	776.1	871.5	899.7
70°	1959.8	1168.5	481.3	359.9	392.4	431.4	513.8	572.3	669.9	743.6	791.3
72.5°	628.7	355.5	240.6	266.7	299.2	344.7	394.6	466.1	535.5	578.8	617.8
75°	151.8	149.6	171.3	186.4	216.8	251.5	292.7	329.5	383.7	424.9	459.6
77.5°	106.2	114.9	132.2	153.9	164.8	177.8	203.8	232.0	255.8	286.2	307.8
80°	82.4	88.9	101.9	112.7	123.6	134.4	147.4	158.3	173.4	192.9	203.8
82.5°	78.0	82.4	95.4	101.9	97.6	95.4	104.1	108.4	110.6	117.1	123.6
85°	6.5	0.0	4.3	15.2	36.9	54.2	58.5	58.5	56.4	60.7	60.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.7	6.5
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°	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9
2.5°	5862.0	5788.3	5816.5	5851.1	5801.3	5686.4	5716.7	5703.7	5820.8	5812.1	5929.2
5°	4914.6	4799.7	4812.7	4981.8	4927.6	4986.2	4869.1	4853.9	4875.6	4886.4	4905.9
7.5°	3761.3	3746.1	3876.2	4019.3	4086.5	4017.1	3902.2	3876.2	3852.3	3804.7	3913.0
10°	3069.7	3074.1	3065.4	3173.8	3249.7	3234.5	3165.1	3156.5	3110.9	3093.6	3154.3
12.5°	2740.2	2681.7	2653.5	2618.8	2677.3	2716.4	2686.0	2664.3	2666.5	2688.2	2696.9
15°	2421.5	2384.7	2324.0	2285.0	2313.1	2293.6	2282.8	2326.1	2315.3	2311.0	2363.0
17.5°	2063.8	2094.2	2089.8	2046.5	2083.3	2068.2	2066.0	2035.7	1994.5	1964.1	1981.5
20°	1827.5	1883.9	1927.3	1929.4	1948.9	1946.8	1914.2	1821.0	1790.7	1784.2	1788.5
22.5°	1743.0	1773.3	1825.4	1899.1	1899.1	1864.4	1825.4	1717.0	1688.8	1658.4	1645.4
25°	1675.8	1734.3	1801.5	1810.2	1844.9	1812.4	1749.5	1695.3	1636.8	1595.6	1595.6
27.5°	1641.1	1706.1	1756.0	1771.2	1818.9	1792.8	1727.8	1658.4	1589.1	1586.9	1550.0
30°	1625.9	1686.6	1719.1	1756.0	1777.7	1736.5	1717.0	1643.3	1573.9	1556.5	1495.8
32.5°	1580.4	1667.1	1727.8	1719.1	1736.5	1719.1	1691.0	1630.3	1552.2	1513.2	1506.7
35°	1528.4	1615.1	1680.1	1725.6	1736.5	1699.6	1682.3	1599.9	1493.7	1474.2	1407.0
37.5°	1500.2	1552.2	1632.4	1706.1	1721.3	1701.8	1643.3	1558.7	1452.5	1430.8	1372.3
40°	1465.5	1532.7	1595.6	1656.3	1701.8	1654.1	1586.9	1504.5	1456.8	1391.8	1374.4
42.5°	1439.5	1515.4	1567.4	1634.6	1686.6	1623.8	1545.7	1489.3	1422.1	1378.8	1328.9
44°	1430.8	1500.2	1534.9	1617.2	1660.6	1612.9	1547.9	1489.3	1411.3	1372.3	1328.9
45°	1400.5	1495.8	1532.7	1606.4	1643.3	1604.2	1521.9	1463.3	1407.0	1359.3	1313.7
47.5°	1370.1	1435.1	1498.0	1556.5	1582.6	1569.6	1500.2	1428.6	1361.4	1333.3	1289.9
50°	1361.4	1426.5	1485.0	1539.2	1569.6	1543.5	1480.7	1411.3	1333.3	1287.7	1250.9
52.5°	1318.1	1398.3	1463.3	1480.7	1519.7	1504.5	1456.8	1380.9	1307.2	1268.2	1237.9
55°	1255.2	1339.8	1428.6	1450.3	1506.7	1482.8	1411.3	1339.8	1276.9	1218.4	1179.3
57.5°	1231.4	1313.7	1400.5	1428.6	1463.3	1424.3	1407.0	1331.1	1231.4	1201.0	1140.3
60°	1170.7	1274.7	1346.3	1411.3	1413.5	1402.6	1372.3	1285.6	1203.2	1146.8	1103.5
62.5°	1123.0	1220.5	1276.9	1337.6	1374.4	1344.1	1313.7	1233.5	1144.6	1081.8	1031.9
65°	1053.6	1142.5	1190.2	1227.0	1268.2	1263.9	1211.9	1153.3	1060.1	1010.2	962.5
67.5°	947.4	1025.4	1090.4	1125.1	1151.2	1144.6	1105.6	1064.4	969.0	919.2	884.5
70°	819.5	899.7	940.9	960.4	986.4	999.4	969.0	949.5	865.0	800.0	767.4
72.5°	659.0	711.1	771.8	789.1	800.0	808.6	808.6	791.3	704.6	678.6	622.2
75°	485.6	526.8	572.3	572.3	591.8	594.0	598.3	587.5	522.5	487.8	474.8
77.5°	329.5	359.9	396.7	411.9	424.9	422.7	420.6	390.2	355.5	340.4	327.4
80°	214.6	245.0	262.3	281.8	294.8	292.7	297.0	275.3	260.1	234.1	238.5
82.5°	127.9	151.8	169.1	192.9	192.9	199.4	199.4	192.9	177.8	164.8	164.8
85°	60.7	80.2	91.1	106.2	114.9	117.1	104.1	88.9	73.7	67.2	73.7
87.5°	10.8	15.2	21.7	19.5	23.8	21.7	21.7	21.7	21.7	17.3	19.5
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: P530888

CATALOG NUMBER: GALN-SA6A-827-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9	6622.9
2.5°	5885.8	5994.2	6070.1	6195.8	6412.6	6586.1	6763.8	6896.1	6911.2	6950.3
5°	4977.5	5036.0	5229.0	5480.4	5658.2	5950.9	6139.5	6482.0	6609.9	6746.5
7.5°	3887.0	3982.4	4240.4	4409.5	4799.7	5166.1	5545.5	5968.2	6137.3	6156.8
10°	3277.9	3416.6	3592.2	3863.2	4075.6	4483.2	4955.8	5426.2	5614.8	5647.4
12.5°	2879.0	3056.7	3290.9	3486.0	3689.8	4045.3	4498.4	5079.4	5324.3	5471.8
15°	2495.2	2679.5	2937.5	3208.5	3388.4	3813.3	4346.6	5001.3	5320.0	5450.1
17.5°	2100.7	2272.0	2484.4	2777.1	3139.1	3616.0	4322.8	5261.5	5610.5	5762.3
20°	1762.5	1857.9	2105.0	2406.4	2859.4	3414.4	4331.4	5645.2	6156.8	6224.0
22.5°	1630.3	1651.9	1749.5	2027.0	2523.4	3208.5	4485.4	6189.3	6770.3	6991.5
25°	1528.4	1524.0	1550.0	1736.5	2278.5	3128.3	4637.1	6690.1	7451.0	7691.7
27.5°	1472.0	1428.6	1430.8	1606.4	2105.0	2998.2	4832.2	7264.6	8222.8	8329.0
30°	1443.8	1435.1	1409.1	1480.7	1916.4	2803.1	4864.7	7830.4	8678.1	8832.0
32.5°	1426.5	1341.9	1309.4	1335.4	1738.6	2590.6	4986.2	8203.3	9241.7	9174.5
35°	1339.8	1263.9	1242.2	1268.2	1612.9	2471.4	4905.9	8528.5	9664.5	9777.2
37.5°	1307.2	1240.0	1196.7	1175.0	1495.8	2371.7	4864.7	9029.3	10074.2	10345.2
40°	1276.9	1205.3	1153.3	1131.6	1404.8	2239.4	4851.7	9415.2	10546.8	10709.4
42.5°	1242.2	1196.7	1138.1	1099.1	1294.2	2107.2	4702.2	9534.4	10692.0	10867.6
44°	1231.4	1162.0	1101.3	1088.3	1250.9	2040.0	4671.8	9642.8	10817.8	11084.4
45°	1220.5	1155.5	1086.1	1068.8	1235.7	2003.1	4630.6	9668.8	11025.9	11075.8
47.5°	1190.2	1149.0	1081.8	1034.1	1203.2	1922.9	4507.0	9521.4	10813.4	10822.1
50°	1166.3	1118.6	1049.3	956.0	1159.8	1855.7	4563.4	9467.2	10301.8	10321.3
52.5°	1140.3	1068.8	1029.7	869.3	1088.3	1799.4	4682.6	9712.2	10360.4	10356.0
55°	1110.0	1031.9	936.5	795.6	969.0	1727.8	4971.0	10195.6	10902.3	10976.0
57.5°	1062.3	995.1	858.5	730.6	832.5	1591.2	4877.8	9269.9	10030.8	10043.8
60°	999.4	936.5	778.3	680.7	682.9	1255.2	4361.8	7223.4	7915.0	8103.6
62.5°	938.7	904.0	711.1	609.2	581.0	999.4	3687.6	6002.9	6794.2	6950.3
65°	867.2	782.6	652.5	555.0	498.6	700.2	2612.3	4485.4	5300.5	5510.8
67.5°	776.1	685.1	574.5	487.8	427.1	468.3	1348.4	2549.4	3375.4	3499.0
70°	678.6	594.0	483.4	411.9	344.7	323.0	594.0	1216.2	1844.9	1972.8
72.5°	557.1	479.1	385.9	325.2	258.0	223.3	199.4	325.2	654.7	760.9
75°	403.2	349.0	290.5	232.0	182.1	143.1	117.1	97.6	108.4	117.1
77.5°	297.0	253.6	214.6	164.8	127.9	101.9	80.2	60.7	58.5	56.4
80°	232.0	205.9	171.3	132.2	99.7	75.9	56.4	41.2	36.9	36.9
82.5°	182.1	169.1	140.9	108.4	82.4	60.7	41.2	28.2	23.8	23.8
85°	69.4	69.4	101.9	88.9	62.9	43.4	28.2	15.2	13.0	13.0
87.5°	17.3	17.3	17.3	17.3	15.2	13.0	13.0	6.5	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)