

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: P528444

Luminaire Tested: **GALN-SA3C-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528444
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-SA3C-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA 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: 14560 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

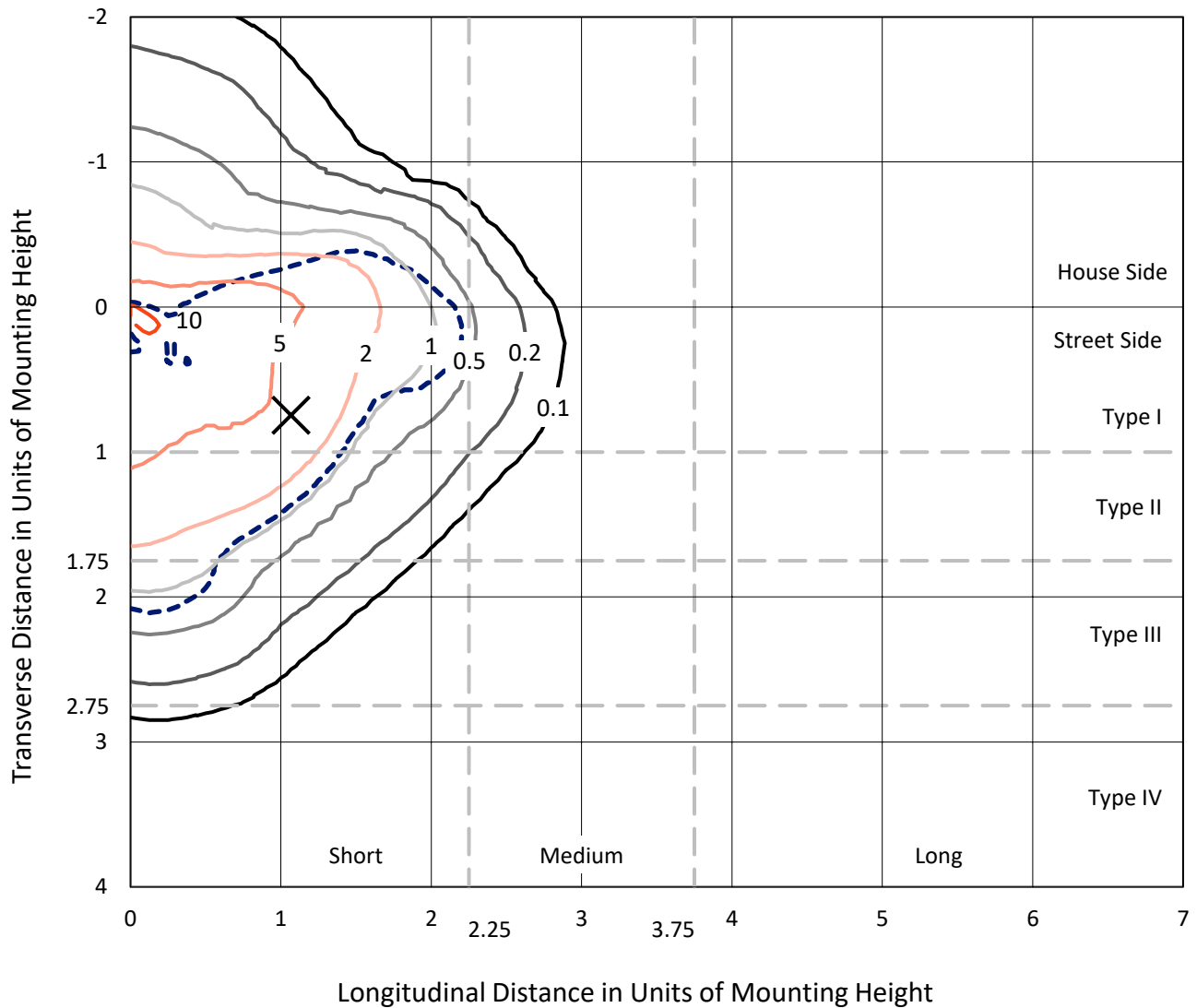
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

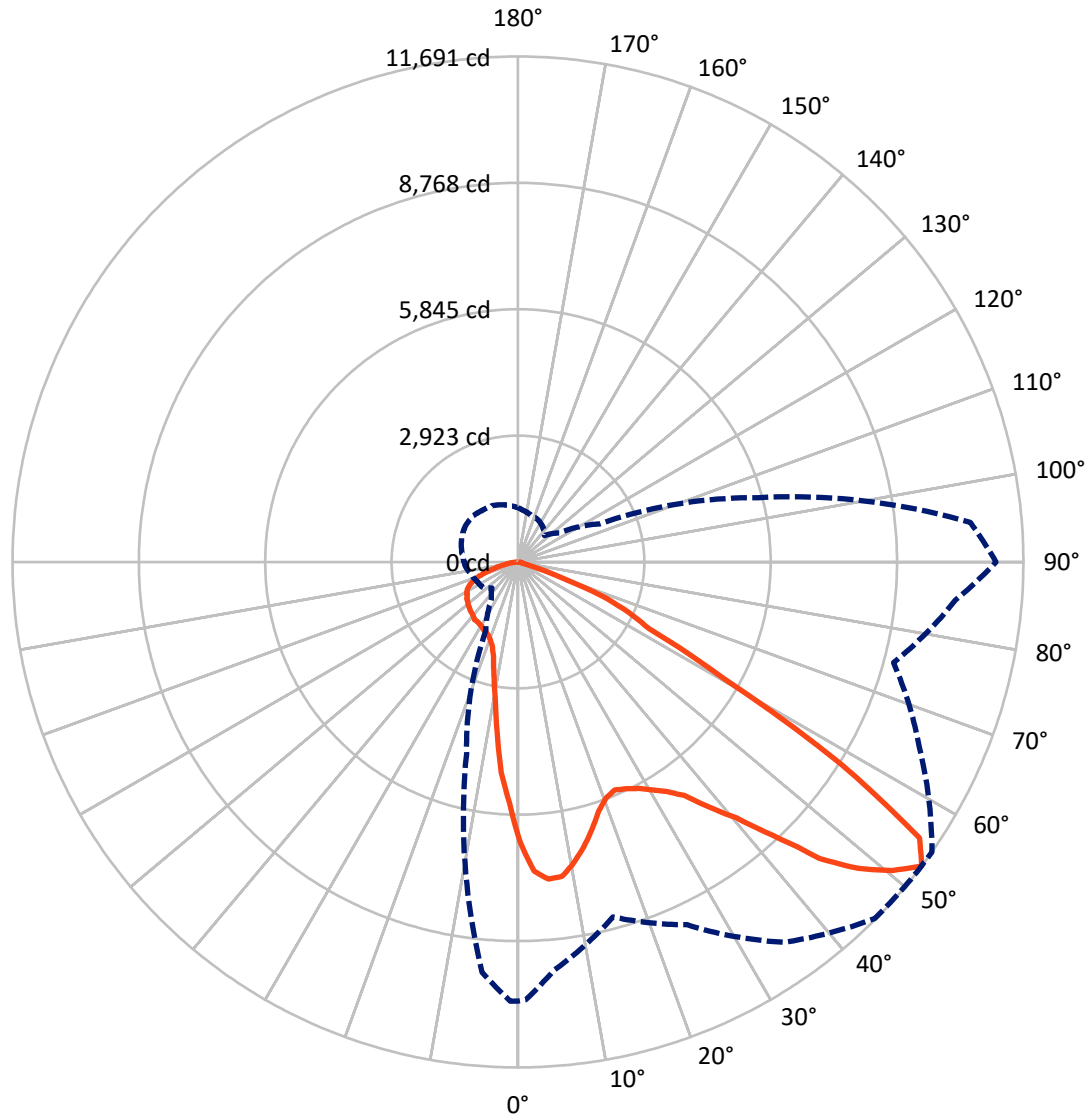
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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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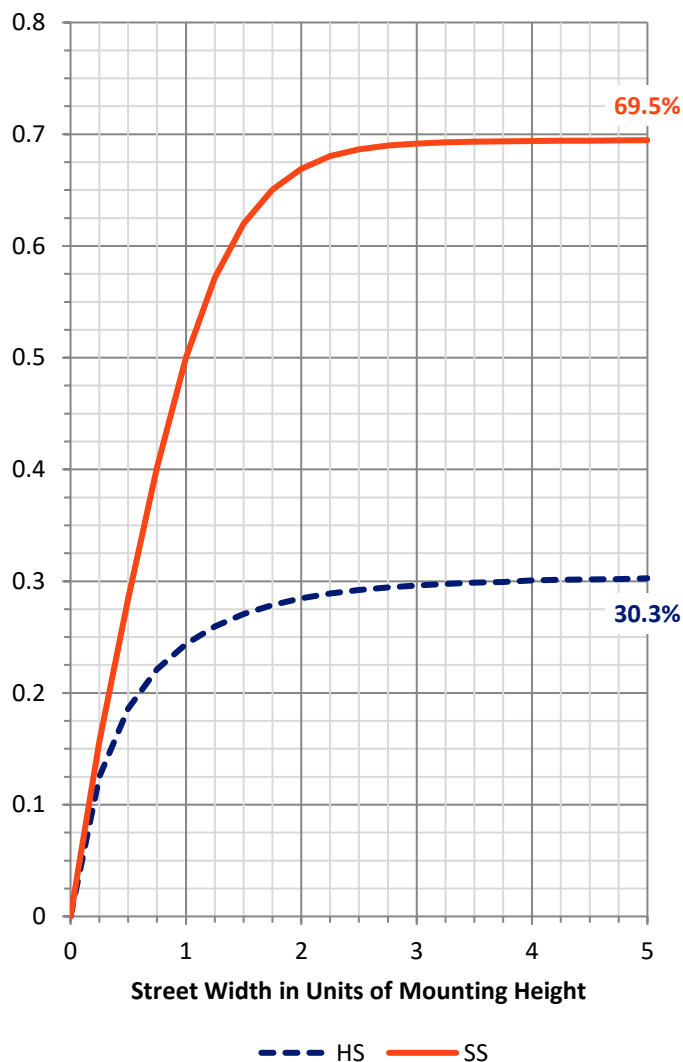
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4441.6	0.0	4441.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	10118.4	0.0	10118.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	14560.0	0.0	14560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.2	3.4
10°-20°	1069.9	7.3
20°-30°	1622.3	11.1
30°-40°	2343.9	16.1
40°-50°	3132.1	21.5
50°-60°	3496.1	24.0
60°-70°	1917.8	13.2
70°-80°	414.6	2.8
80°-90°	67.1	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°	14560.0	100.0
0°-180°	14560.0	100.0

Coefficient of Utilization



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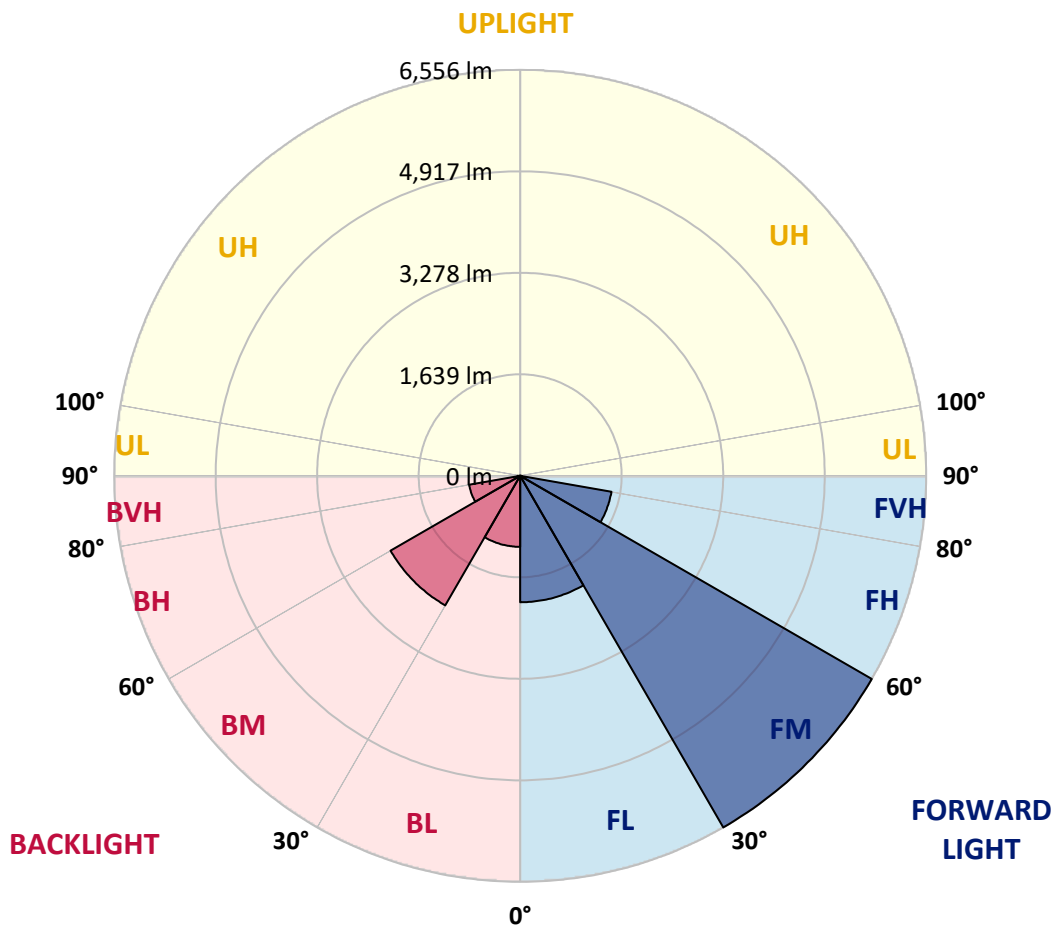
CATALOG NUMBER: GALN-SA3C-735-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2041.6	14.0			
FM (30°-60°)	6555.6	45.0			
FH (60°-80°)	1496.4	10.3			G1/1800
FVH (80°-90°)	24.8	0.2			G1/100
BL (0°-30°)	1146.8	7.9	B3/2500		
BM (30°-60°)	2416.6	16.6	B2/2500		
BH (60°-80°)	836.0	5.7	B2/1000		G2/1000
BVH (80°-90°)	42.2	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°	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9
2.5°	6815.9	6777.6	6811.7	6973.2	7066.8	7130.6	7170.9	7164.6	7011.5	6862.7	6862.7
5°	6616.1	6567.2	6637.3	7003.0	7370.8	7402.7	7455.8	7368.7	7143.3	6871.2	6531.0
7.5°	6037.8	6073.9	6190.9	6671.3	7149.7	7389.9	7453.7	7343.2	6977.5	6469.4	5969.8
10°	5538.2	5623.2	5893.2	6412.0	6852.1	7164.6	7234.7	7079.5	6790.4	6167.5	5721.0
12.5°	5366.0	5312.8	5612.6	6131.3	6552.3	6720.2	6752.1	6762.8	6567.2	6014.4	5470.2
15°	5344.7	5378.7	5612.6	6005.9	6265.3	6273.8	6326.9	6409.8	6435.4	6118.6	5587.1
17.5°	5650.9	5610.5	5850.7	6163.2	6039.9	5916.6	5929.4	6048.4	6258.9	6207.9	5954.9
20°	6103.7	6195.1	6384.3	6352.4	6020.8	5708.3	5710.4	5823.1	6237.6	6577.8	6467.2
22.5°	6856.3	6945.6	7085.9	6701.1	6020.8	5646.6	5574.3	5727.4	6373.7	7017.9	7045.5
25°	7543.0	7706.7	7745.0	7292.1	6322.7	5704.0	5657.2	5808.2	6509.8	7447.3	7708.8
27.5°	8168.0	8227.6	8395.5	7672.7	6490.6	5742.3	5738.0	5931.5	6682.0	7662.1	8302.0
30°	8661.3	8654.9	8750.6	7912.9	6758.5	5957.0	5750.8	6116.5	6907.3	8017.1	8850.5
32.5°	8997.2	9069.5	9271.4	8246.7	6871.2	6161.1	5999.5	6333.3	7181.6	8185.0	9237.4
35°	9588.2	9713.6	9458.5	8431.7	7228.4	6363.1	6173.9	6628.8	7317.6	8367.9	9711.5
37.5°	10145.2	10049.5	9790.2	8531.6	7460.1	6737.2	6560.8	7200.7	7740.7	8765.4	10026.1
40°	10502.4	10500.2	10038.9	8612.4	7623.8	7309.1	7298.5	7781.1	8259.5	9016.3	10379.1
42.5°	10657.6	10806.4	10141.0	8603.9	7968.2	8002.2	8216.9	8648.5	8627.2	9067.3	10370.6
44°	10870.2	10959.5	10317.4	8623.0	8197.8	8469.9	8975.9	9250.2	8948.3	9039.7	10359.9
45°	10861.7	10868.0	10066.5	8648.5	8393.4	8861.1	9313.9	9777.4	9231.0	8980.2	10500.2
47.5°	10612.9	10540.6	9853.9	8459.3	9003.5	9894.3	10313.2	10593.8	9579.7	8852.6	10325.9
50°	10121.8	10038.9	9337.3	8378.5	9131.1	10536.4	11114.7	11216.7	9896.5	8727.2	10153.7
52.5°	10155.8	10132.4	9484.0	8499.7	9258.7	10738.4	11665.3	11690.8	10255.8	8990.8	10155.8
55°	10763.9	10683.1	9905.0	8650.6	9165.1	10502.4	11314.5	11269.9	10134.6	8831.3	10342.9
57.5°	9849.7	9902.8	9322.4	8053.2	8021.3	8538.0	8895.1	8784.6	8457.2	7970.3	9622.2
60°	7946.9	8097.9	8153.2	6735.1	6052.7	5786.9	5680.6	5485.0	5540.3	6548.0	8452.9
62.5°	6815.9	6807.4	7153.9	6105.8	3965.0	3410.1	3359.1	3403.7	4041.5	6446.0	8278.6
65°	5404.3	5548.8	5655.1	5174.6	3138.0	2532.0	2529.9	2812.7	3497.2	5387.2	6684.1
67.5°	3431.3	3620.6	3752.4	3310.2	2098.3	1802.8	1753.9	2094.1	2423.6	3533.4	4024.5
70°	1934.6	2023.9	2083.5	1909.1	1335.1	935.4	880.2	960.9	1464.8	2287.6	2385.4
72.5°	746.2	786.6	867.4	873.8	503.9	301.9	244.5	293.4	616.5	905.7	863.2
75°	114.8	123.3	174.3	208.3	144.6	110.6	116.9	121.2	172.2	233.9	195.6
77.5°	55.3	55.3	53.1	61.7	72.3	78.7	85.0	93.5	102.0	112.7	108.4
80°	36.1	36.1	36.1	42.5	53.1	63.8	72.3	76.5	80.8	89.3	85.0
82.5°	23.4	23.4	23.4	31.9	42.5	53.1	57.4	68.0	76.5	89.3	82.9
85°	12.8	12.8	12.8	21.3	31.9	44.6	42.5	34.0	19.1	2.1	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°	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9
2.5°	6684.1	6586.3	6577.8	6378.0	6199.4	6112.2	6042.1	5846.5	5889.0	5776.3	5774.2
5°	6360.9	6161.1	5838.0	5572.2	5306.5	5253.3	5021.6	4819.6	4826.0	4681.4	4706.9
7.5°	5780.6	5642.4	5249.1	4832.4	4479.5	4228.6	4009.6	3877.8	3709.8	3652.4	3622.7
10°	5412.8	5242.7	4800.5	4277.5	3882.0	3748.1	3537.6	3420.7	3248.5	3163.5	3103.9
12.5°	5251.2	5002.4	4449.7	3918.2	3654.6	3516.4	3337.8	3125.2	2921.1	2842.4	2734.0
15°	5268.2	4970.6	4347.6	3773.6	3456.9	3189.0	3029.5	2793.5	2585.2	2447.0	2368.3
17.5°	5525.4	5164.0	4394.4	3663.1	3208.1	2872.2	2559.7	2304.6	2138.7	2034.6	2009.1
20°	6133.5	5642.4	4473.1	3484.5	2959.4	2540.6	2155.7	1890.0	1762.4	1760.3	1762.4
22.5°	6639.5	6152.6	4632.5	3378.2	2710.6	2115.4	1732.7	1647.6	1622.1	1675.3	1681.7
25°	7321.9	6726.6	4906.8	3322.9	2481.0	1802.8	1566.9	1535.0	1532.8	1600.9	1603.0
27.5°	8021.3	7228.4	5070.5	3161.3	2247.2	1641.3	1466.9	1460.6	1494.6	1566.9	1560.5
30°	8497.6	7649.3	5366.0	2967.9	1970.8	1498.8	1426.5	1435.0	1481.8	1537.1	1545.6
32.5°	9052.4	8063.9	5442.5	2861.6	1800.7	1379.8	1328.7	1347.9	1407.4	1494.6	1541.3
35°	9688.1	8357.2	5559.5	2717.0	1736.9	1288.3	1262.8	1284.1	1356.4	1413.8	1464.8
37.5°	10158.0	8876.0	5580.7	2604.3	1666.8	1237.3	1196.9	1267.1	1309.6	1390.4	1415.9
40°	10506.6	9252.3	5636.0	2534.2	1611.5	1171.4	1171.4	1218.2	1275.6	1350.0	1401.0
42.5°	10729.8	9526.5	5676.4	2470.4	1505.2	1152.3	1141.7	1188.4	1265.0	1337.2	1360.6
44°	10865.9	9643.5	5636.0	2410.9	1475.4	1128.9	1128.9	1169.3	1228.8	1313.9	1341.5
45°	10899.9	9790.2	5546.7	2408.7	1439.3	1101.3	1097.0	1173.5	1213.9	1318.1	1335.1
47.5°	11031.7	9970.9	5557.3	2340.7	1352.1	1035.4	1109.8	1143.8	1179.9	1271.3	1328.7
50°	11027.5	10083.6	5533.9	2240.8	1288.3	960.9	1084.3	1122.5	1158.7	1252.2	1275.6
52.5°	11057.3	10504.5	5748.7	2081.3	1173.5	865.3	999.2	1084.3	1128.9	1207.6	1256.5
55°	11042.4	10744.7	5961.3	1962.3	1012.0	807.9	926.9	1026.9	1090.6	1173.5	1196.9
57.5°	10085.7	9496.8	5516.9	1739.1	837.6	739.8	824.9	967.3	1048.1	1133.2	1162.9
60°	8240.3	7319.8	4549.6	1279.8	688.8	680.3	767.5	948.2	982.2	1056.6	1107.6
62.5°	7615.3	6420.5	3607.8	978.0	588.9	622.9	708.0	856.8	909.9	1001.3	1048.1
65°	5959.1	4264.7	2234.4	661.2	518.7	559.1	639.9	750.5	837.6	922.7	978.0
67.5°	3529.1	2330.1	1105.5	463.5	452.8	495.4	578.3	661.2	761.1	854.6	882.3
70°	1921.9	1145.9	472.0	352.9	384.8	423.1	503.9	561.3	656.9	729.2	776.0
72.5°	616.5	348.7	236.0	261.5	293.4	338.0	386.9	457.1	525.1	567.6	605.9
75°	148.8	146.7	168.0	182.8	212.6	246.6	287.0	323.1	376.3	416.7	450.7
77.5°	104.2	112.7	129.7	150.9	161.6	174.3	199.8	227.5	250.9	280.6	301.9
80°	80.8	87.2	99.9	110.6	121.2	131.8	144.6	155.2	170.1	189.2	199.8
82.5°	76.5	80.8	93.5	99.9	95.7	93.5	102.0	106.3	108.4	114.8	121.2
85°	6.4	0.0	4.3	14.9	36.1	53.1	57.4	57.4	55.3	59.5	59.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	8.5	6.4
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°	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9
2.5°	5748.7	5676.4	5704.0	5738.0	5689.1	5576.5	5606.2	5593.5	5708.3	5699.8	5814.6
5°	4819.6	4706.9	4719.7	4885.5	4832.4	4889.8	4775.0	4760.1	4781.3	4792.0	4811.1
7.5°	3688.6	3673.7	3801.3	3941.6	4007.5	3939.5	3826.8	3801.3	3777.9	3731.1	3837.4
10°	3010.4	3014.6	3006.1	3112.4	3186.9	3172.0	3103.9	3095.4	3050.8	3033.8	3093.3
12.5°	2687.2	2629.8	2602.2	2568.2	2625.6	2663.9	2634.1	2612.8	2615.0	2636.2	2644.7
15°	2374.7	2338.6	2279.1	2240.8	2268.4	2249.3	2238.7	2281.2	2270.6	2266.3	2317.3
17.5°	2023.9	2053.7	2049.5	2006.9	2043.1	2028.2	2026.1	1996.3	1955.9	1926.1	1943.2
20°	1792.2	1847.5	1890.0	1892.1	1911.3	1909.1	1877.2	1785.8	1756.1	1749.7	1753.9
22.5°	1709.3	1739.1	1790.1	1862.4	1862.4	1828.3	1790.1	1683.8	1656.1	1626.4	1613.6
25°	1643.4	1700.8	1766.7	1775.2	1809.2	1777.3	1715.7	1662.5	1605.1	1564.7	1564.7
27.5°	1609.4	1673.2	1722.0	1736.9	1783.7	1758.2	1694.4	1626.4	1558.3	1556.2	1520.1
30°	1594.5	1654.0	1685.9	1722.0	1743.3	1702.9	1683.8	1611.5	1543.5	1526.5	1466.9
32.5°	1549.8	1634.9	1694.4	1685.9	1702.9	1685.9	1658.3	1598.7	1522.2	1483.9	1477.6
35°	1498.8	1583.9	1647.6	1692.3	1702.9	1666.8	1649.8	1569.0	1464.8	1445.7	1379.8
37.5°	1471.2	1522.2	1600.9	1673.2	1688.0	1668.9	1611.5	1528.6	1424.4	1403.2	1345.7
40°	1437.2	1503.1	1564.7	1624.3	1668.9	1622.1	1556.2	1475.4	1428.7	1364.9	1347.9
42.5°	1411.7	1486.1	1537.1	1603.0	1654.0	1592.4	1515.8	1460.6	1394.6	1352.1	1303.2
44°	1403.2	1471.2	1505.2	1586.0	1628.5	1581.7	1518.0	1460.6	1384.0	1345.7	1303.2
45°	1373.4	1466.9	1503.1	1575.4	1611.5	1573.2	1492.4	1435.0	1379.8	1333.0	1288.3
47.5°	1343.6	1407.4	1469.1	1526.5	1552.0	1539.2	1471.2	1401.0	1335.1	1307.5	1265.0
50°	1335.1	1398.9	1456.3	1509.4	1539.2	1513.7	1452.0	1384.0	1307.5	1262.8	1226.7
52.5°	1292.6	1371.3	1435.0	1452.0	1490.3	1475.4	1428.7	1354.3	1282.0	1243.7	1213.9
55°	1230.9	1313.9	1401.0	1422.3	1477.6	1454.2	1384.0	1313.9	1252.2	1194.8	1156.5
57.5°	1207.6	1288.3	1373.4	1401.0	1435.0	1396.8	1379.8	1305.4	1207.6	1177.8	1118.3
60°	1148.0	1250.1	1320.2	1384.0	1386.1	1375.5	1345.7	1260.7	1179.9	1124.6	1082.1
62.5°	1101.3	1196.9	1252.2	1311.7	1347.9	1318.1	1288.3	1209.7	1122.5	1060.9	1012.0
65°	1033.2	1120.4	1167.2	1203.3	1243.7	1239.4	1188.4	1131.0	1039.6	990.7	943.9
67.5°	929.1	1005.6	1069.4	1103.4	1128.9	1122.5	1084.3	1043.9	950.3	901.4	867.4
70°	803.6	882.3	922.7	941.8	967.3	980.1	950.3	931.2	848.3	784.5	752.6
72.5°	646.3	697.3	756.9	773.9	784.5	793.0	793.0	776.0	690.9	665.4	610.2
75°	476.2	516.6	561.3	561.3	580.4	582.5	586.8	576.1	512.4	478.3	465.6
77.5°	323.1	352.9	389.1	403.9	416.7	414.6	412.4	382.7	348.7	333.8	321.0
80°	210.5	240.2	257.2	276.4	289.1	287.0	291.3	270.0	255.1	229.6	233.9
82.5°	125.4	148.8	165.8	189.2	189.2	195.6	195.6	189.2	174.3	161.6	161.6
85°	59.5	78.7	89.3	104.2	112.7	114.8	102.0	87.2	72.3	65.9	72.3
87.5°	10.6	14.9	21.3	19.1	23.4	21.3	21.3	21.3	21.3	17.0	19.1
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: P528444

CATALOG NUMBER: GALN-SA3C-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9	6494.9
2.5°	5772.1	5878.4	5952.8	6076.1	6288.7	6458.7	6633.1	6762.8	6777.6	6815.9
5°	4881.3	4938.7	5127.9	5374.5	5548.8	5835.8	6020.8	6356.7	6482.1	6616.1
7.5°	3811.9	3905.4	4158.4	4324.3	4706.9	5066.2	5438.3	5852.8	6018.7	6037.8
10°	3214.5	3350.6	3522.8	3788.5	3996.9	4396.5	4860.0	5321.3	5506.3	5538.2
12.5°	2823.3	2997.6	3227.2	3418.6	3618.4	3967.1	4411.4	4981.2	5221.4	5366.0
15°	2447.0	2627.7	2880.7	3146.5	3322.9	3739.6	4262.6	4904.6	5217.2	5344.7
17.5°	2060.1	2228.0	2436.4	2723.4	3078.4	3546.1	4239.2	5159.8	5502.1	5650.9
20°	1728.4	1822.0	2064.3	2359.8	2804.2	3348.4	4247.7	5536.1	6037.8	6103.7
22.5°	1598.7	1620.0	1715.7	1987.8	2474.6	3146.5	4398.7	6069.7	6639.5	6856.3
25°	1498.8	1494.6	1520.1	1702.9	2234.4	3067.8	4547.5	6560.8	7307.0	7543.0
27.5°	1443.5	1401.0	1403.2	1575.4	2064.3	2940.2	4738.8	7124.2	8063.9	8168.0
30°	1415.9	1407.4	1381.9	1452.0	1879.4	2748.9	4770.7	7679.1	8510.3	8661.3
32.5°	1398.9	1316.0	1284.1	1309.6	1705.0	2540.6	4889.8	8044.7	9063.1	8997.2
35°	1313.9	1239.4	1218.2	1243.7	1581.7	2423.6	4811.1	8363.6	9477.6	9588.2
37.5°	1282.0	1216.1	1173.5	1152.3	1466.9	2325.8	4770.7	8854.7	9879.5	10145.2
40°	1252.2	1182.0	1131.0	1109.8	1377.6	2196.1	4758.0	9233.2	10342.9	10502.4
42.5°	1218.2	1173.5	1116.1	1077.9	1269.2	2066.5	4611.3	9350.1	10485.4	10657.6
44°	1207.6	1139.5	1080.0	1067.2	1226.7	2000.6	4581.5	9456.4	10608.7	10870.2
45°	1196.9	1133.2	1065.1	1048.1	1211.8	1964.4	4541.1	9481.9	10812.8	10861.7
47.5°	1167.2	1126.8	1060.9	1014.1	1179.9	1885.7	4419.9	9337.3	10604.4	10612.9
50°	1143.8	1097.0	1029.0	937.6	1137.4	1819.8	4475.2	9284.2	10102.7	10121.8
52.5°	1118.3	1048.1	1009.8	852.5	1067.2	1764.6	4592.1	9524.4	10160.1	10155.8
55°	1088.5	1012.0	918.4	780.2	950.3	1694.4	4874.9	9998.5	10691.6	10763.9
57.5°	1041.7	975.8	841.9	716.5	816.4	1560.5	4783.5	9090.7	9836.9	9849.7
60°	980.1	918.4	763.2	667.6	669.7	1230.9	4277.5	7083.8	7762.0	7946.9
62.5°	920.6	886.5	697.3	597.4	569.8	980.1	3616.3	5886.9	6662.8	6815.9
65°	850.4	767.5	639.9	544.3	489.0	686.7	2561.8	4398.7	5198.0	5404.3
67.5°	761.1	671.8	563.4	478.3	418.8	459.2	1322.4	2500.2	3310.2	3431.3
70°	665.4	582.5	474.1	403.9	338.0	316.8	582.5	1192.7	1809.2	1934.6
72.5°	546.4	469.8	378.4	318.9	253.0	219.0	195.6	318.9	642.0	746.2
75°	395.4	342.3	284.9	227.5	178.6	140.3	114.8	95.7	106.3	114.8
77.5°	291.3	248.7	210.5	161.6	125.4	99.9	78.7	59.5	57.4	55.3
80°	227.5	202.0	168.0	129.7	97.8	74.4	55.3	40.4	36.1	36.1
82.5°	178.6	165.8	138.2	106.3	80.8	59.5	40.4	27.6	23.4	23.4
85°	68.0	68.0	99.9	87.2	61.7	42.5	27.6	14.9	12.8	12.8
87.5°	17.0	17.0	17.0	17.0	14.9	12.8	12.8	6.4	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)