

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: P530030

Luminaire Tested: **GALN-SA5B-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530030
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-SA5B-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 800mA 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: 17748 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

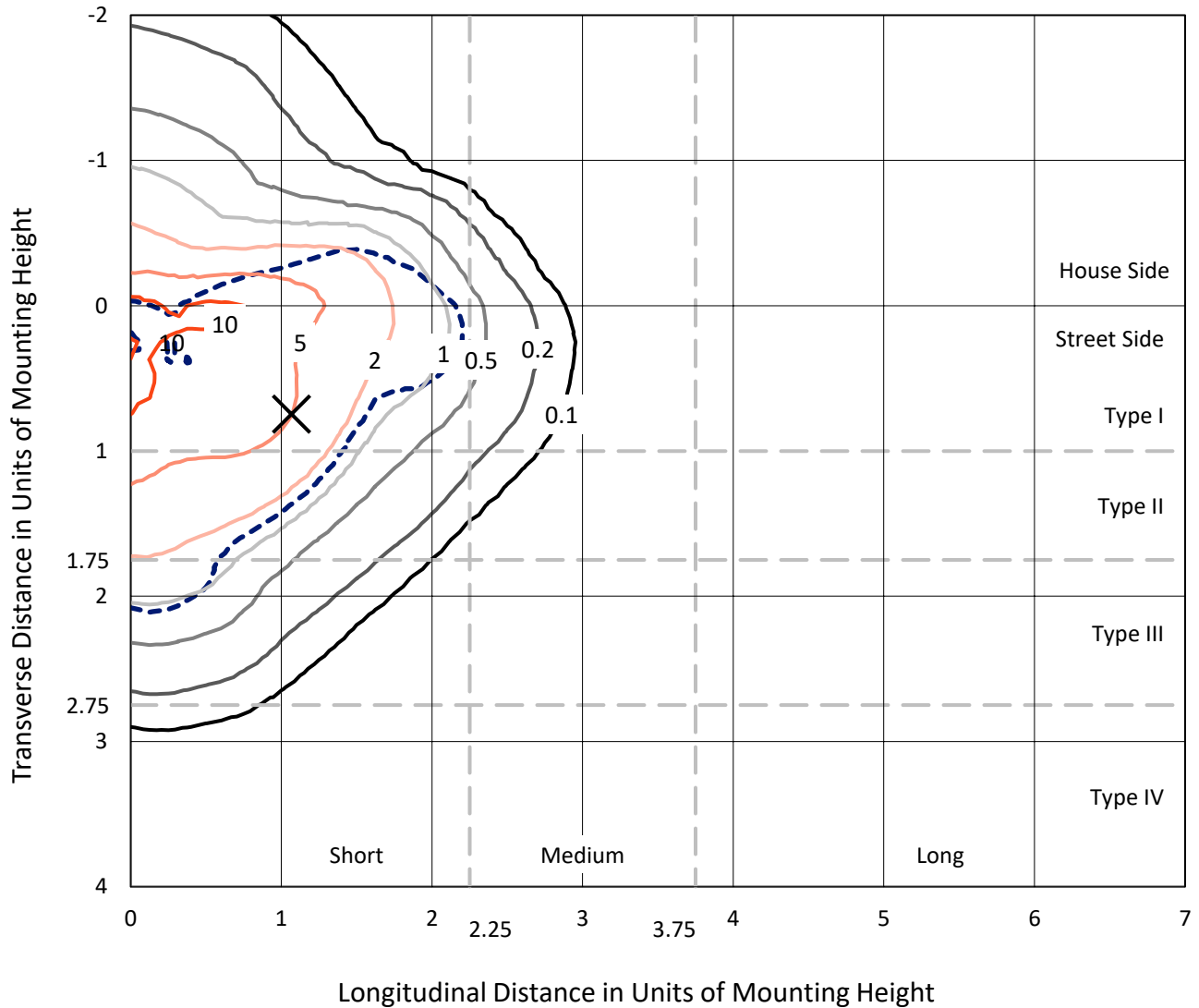
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530030
 CATALOG NUMBER: GALN-SA5B-727-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

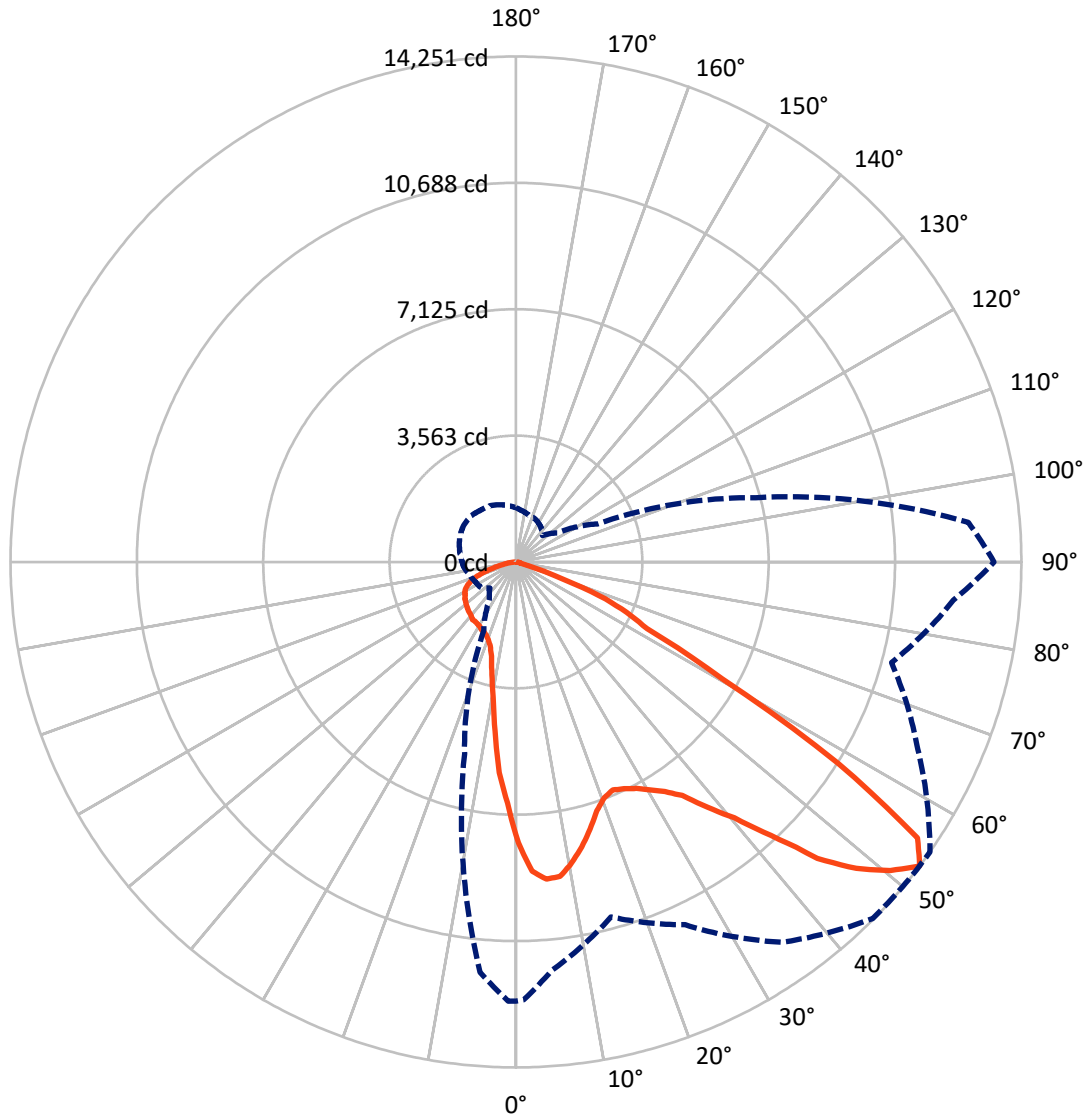
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - N/A

REPORT NUMBER: P530030
CATALOG NUMBER: GALN-SA5B-727-U-SLL-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P530030
 CATALOG NUMBER: GALN-SA5B-727-U-SLL-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5414.1	0.0	5414.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	12333.9	0.0	12333.9
	% Fixture	69.5	0.0	69.5
Total	Lumens	17748.0	0.0	17748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.8	3.4
10°-20°	1304.1	7.3
20°-30°	1977.5	11.1
30°-40°	2857.1	16.1
40°-50°	3817.9	21.5
50°-60°	4261.6	24.0
60°-70°	2337.7	13.2
70°-80°	505.4	2.8
80°-90°	81.8	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°	17748.0	100.0
0°-180°	17748.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530030

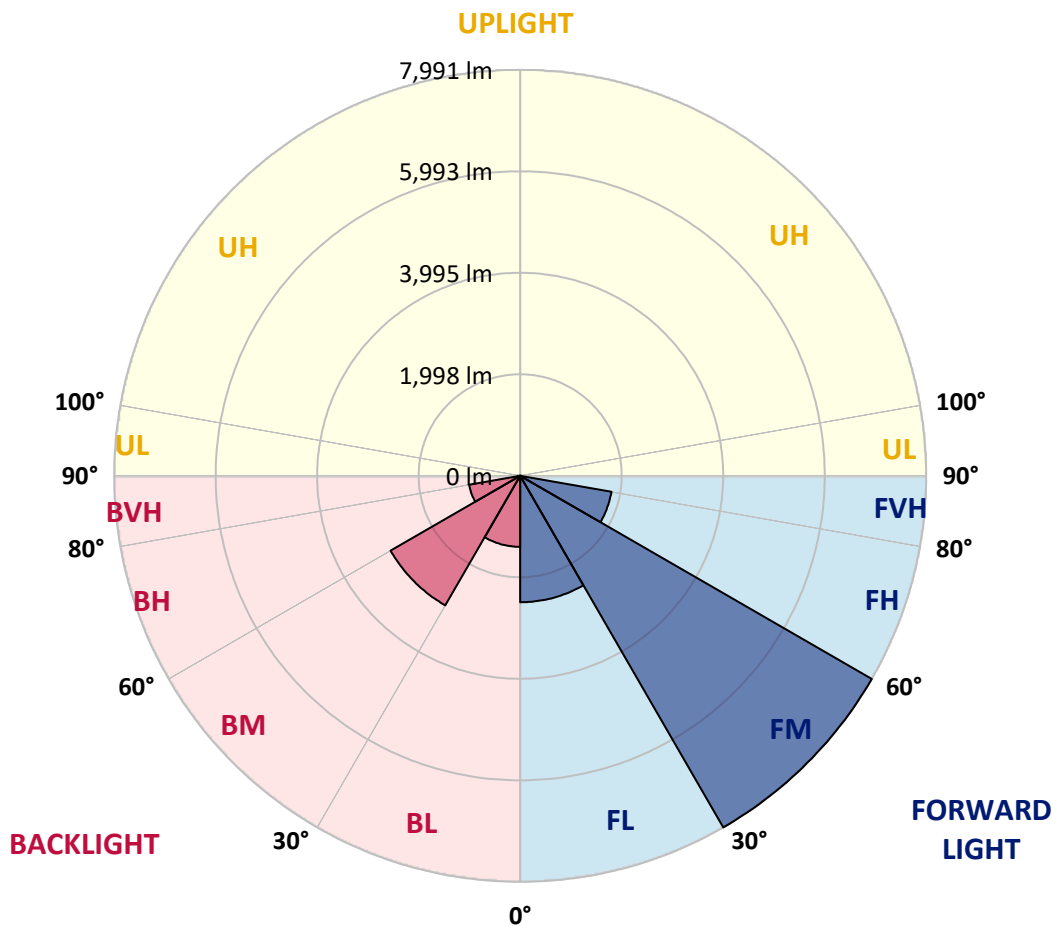
CATALOG NUMBER: GALN-SA5B-727-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2488.6	14.0			
FM (30°-60°)	7991.0	45.0			
FH (60°-80°)	1824.0	10.3			G2/5000
FVH (80°-90°)	30.3	0.2			G1/100
BL (0°-30°)	1397.8	7.9	B3/2500		
BM (30°-60°)	2945.7	16.6	B3/5000		
BH (60°-80°)	1019.1	5.7	B3/2500		G3/2500
BVH (80°-90°)	51.5	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-G3

Type II Short





REPORT NUMBER: P530030

CATALOG NUMBER: GALN-SA5B-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0
2.5°	8308.3	8261.6	8303.1	8500.1	8614.1	8691.8	8741.1	8733.3	8546.7	8365.3	8365.3
5°	8064.7	8005.1	8090.6	8536.3	8984.7	9023.5	9088.3	8982.1	8707.4	8375.7	7961.0
7.5°	7359.8	7403.9	7546.4	8132.1	8715.2	9008.0	9085.7	8951.0	8505.2	7885.9	7276.9
10°	6750.8	6854.5	7183.6	7815.9	8352.4	8733.3	8818.8	8629.6	8277.2	7517.9	6973.7
12.5°	6540.9	6476.1	6841.5	7473.8	7987.0	8191.7	8230.6	8243.5	8005.1	7331.3	6667.9
15°	6515.0	6556.5	6841.5	7320.9	7637.1	7647.5	7712.3	7813.3	7844.4	7458.3	6810.4
17.5°	6888.2	6838.9	7131.8	7512.7	7362.4	7212.1	7227.6	7372.8	7629.3	7567.1	7258.7
20°	7440.1	7551.6	7782.2	7743.4	7339.1	6958.1	6960.7	7098.1	7603.4	8018.0	7883.3
22.5°	8357.5	8466.4	8637.4	8168.4	7339.1	6883.0	6794.9	6981.5	7769.3	8554.5	8588.2
25°	9194.6	9394.1	9440.8	8888.8	7707.1	6952.9	6895.9	7079.9	7935.1	9078.0	9396.7
27.5°	9956.5	10029.0	10233.8	9352.7	7911.8	6999.6	6994.4	7230.2	8145.0	9339.7	10119.7
30°	10557.7	10549.9	10666.5	9645.5	8238.3	7261.3	7010.0	7455.7	8419.7	9772.5	10788.3
32.5°	10967.2	11055.3	11301.5	10052.4	8375.7	7510.1	7313.2	7720.0	8754.0	9977.2	11260.0
35°	11687.6	11840.5	11529.5	10277.8	8811.0	7756.3	7525.7	8080.2	8919.9	10200.1	11837.9
37.5°	12366.6	12249.9	11933.8	10399.6	9093.5	8212.4	7997.3	8777.4	9435.6	10684.7	12221.4
40°	12801.9	12799.3	12237.0	10498.1	9293.1	8909.5	8896.6	9484.8	10067.9	10990.5	12651.6
42.5°	12991.1	13172.5	12361.4	10487.7	9712.9	9754.3	10016.1	10542.2	10516.2	11052.7	12641.3
44°	13250.3	13359.1	12576.5	10511.1	9992.8	10324.5	10941.2	11275.5	10907.6	11019.0	12628.3
45°	13239.9	13247.7	12270.7	10542.2	10231.2	10801.3	11353.3	11918.2	11252.2	10946.4	12799.3
47.5°	12936.7	12848.6	12011.5	10311.5	10974.9	12060.8	12571.3	12913.4	11677.2	10790.9	12586.8
50°	12338.1	12237.0	11381.8	10213.0	11130.4	12843.4	13548.3	13672.7	12063.4	10638.0	12376.9
52.5°	12379.5	12351.0	11560.6	10360.7	11285.9	13089.6	14219.5	14250.6	12501.3	10959.4	12379.5
55°	13120.7	13022.2	12073.7	10544.7	11171.9	12801.9	13791.9	13737.5	12353.6	10765.0	12607.6
57.5°	12006.3	12071.1	11363.7	9816.5	9777.7	10407.4	10842.8	10708.0	10308.9	9715.5	11729.1
60°	9687.0	9871.0	9938.3	8209.8	7378.0	7054.0	6924.4	6686.0	6753.4	7981.8	10303.7
62.5°	8308.3	8297.9	8720.3	7442.7	4833.1	4156.7	4094.5	4149.0	4926.4	7857.4	10091.2
65°	6587.6	6763.8	6893.3	6307.7	3825.0	3086.5	3083.9	3428.5	4263.0	6566.8	8147.6
67.5°	4182.7	4413.3	4574.0	4034.9	2557.8	2197.6	2138.0	2552.6	2954.3	4307.0	4905.7
70°	2358.2	2467.1	2539.7	2327.2	1627.5	1140.3	1072.9	1171.4	1785.5	2788.4	2907.6
72.5°	909.6	958.8	1057.3	1065.1	614.2	368.0	298.0	357.6	751.5	1104.0	1052.1
75°	139.9	150.3	212.5	254.0	176.2	134.8	142.5	147.7	209.9	285.1	238.4
77.5°	67.4	67.4	64.8	75.2	88.1	95.9	103.7	114.0	124.4	137.3	132.2
80°	44.1	44.1	44.1	51.8	64.8	77.7	88.1	93.3	98.5	108.8	103.7
82.5°	28.5	28.5	28.5	38.9	51.8	64.8	70.0	82.9	93.3	108.8	101.1
85°	15.5	15.5	15.5	25.9	38.9	54.4	51.8	41.5	23.3	2.6	5.2
87.5°	5.2	5.2	5.2	5.2	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



REPORT NUMBER: P530030

CATALOG NUMBER: GALN-SA5B-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0
2.5°	8147.6	8028.4	8018.0	7774.4	7556.8	7450.5	7365.0	7126.6	7178.4	7041.1	7038.5
5°	7753.7	7510.1	7116.2	6792.3	6468.3	6403.6	6121.1	5874.9	5882.7	5706.4	5737.5
7.5°	7046.2	6877.8	6398.4	5890.4	5460.3	5154.5	4887.5	4726.9	4522.1	4452.2	4415.9
10°	6597.9	6390.6	5851.6	5214.1	4732.0	4568.8	4312.2	4169.7	3959.8	3856.1	3783.6
12.5°	6401.0	6097.8	5424.0	4776.1	4454.8	4286.3	4068.6	3809.5	3560.7	3464.8	3332.6
15°	6421.7	6058.9	5299.6	4599.9	4213.8	3887.2	3692.9	3405.2	3151.2	2982.8	2886.9
17.5°	6735.3	6294.7	5356.6	4465.1	3910.5	3501.1	3120.1	2809.2	2607.0	2480.0	2449.0
20°	7476.4	6877.8	5452.5	4247.4	3607.3	3096.8	2627.8	2303.8	2148.3	2145.7	2148.3
22.5°	8093.2	7499.8	5646.8	4117.9	3304.1	2578.5	2112.1	2008.4	1977.3	2042.1	2049.9
25°	8925.1	8199.5	5981.1	4050.5	3024.3	2197.6	1909.9	1871.1	1868.5	1951.4	1954.0
27.5°	9777.7	8811.0	6180.7	3853.5	2739.2	2000.6	1788.1	1780.3	1821.8	1909.9	1902.1
30°	10358.2	9324.2	6540.9	3617.7	2402.3	1827.0	1738.9	1749.3	1806.3	1873.6	1884.0
32.5°	11034.5	9829.5	6634.2	3488.1	2195.0	1681.9	1619.7	1643.0	1715.6	1821.8	1878.8
35°	11809.4	10187.1	6776.7	3311.9	2117.2	1570.4	1539.3	1565.3	1653.4	1723.3	1785.5
37.5°	12382.1	10819.4	6802.6	3174.6	2031.7	1508.2	1459.0	1544.5	1596.4	1694.8	1725.9
40°	12807.1	11278.1	6870.0	3089.0	1964.3	1427.9	1427.9	1484.9	1554.9	1645.6	1707.8
42.5°	13079.2	11612.4	6919.3	3011.3	1834.8	1404.6	1391.6	1448.6	1541.9	1630.0	1658.5
44°	13245.1	11755.0	6870.0	2938.7	1798.5	1376.1	1376.1	1425.3	1497.9	1601.5	1635.2
45°	13286.5	11933.8	6761.2	2936.2	1754.4	1342.4	1337.2	1430.5	1479.7	1606.7	1627.5
47.5°	13447.2	12154.1	6774.1	2853.2	1648.2	1262.1	1352.8	1394.2	1438.3	1549.7	1619.7
50°	13442.0	12291.4	6745.6	2731.4	1570.4	1171.4	1321.7	1368.3	1412.4	1526.4	1554.9
52.5°	13478.3	12804.5	7007.4	2537.1	1430.5	1054.7	1218.0	1321.7	1376.1	1472.0	1531.6
55°	13460.2	13097.4	7266.5	2391.9	1233.5	984.8	1129.9	1251.7	1329.4	1430.5	1459.0
57.5°	12294.0	11576.2	6724.9	2119.8	1021.0	901.8	1005.5	1179.1	1277.6	1381.3	1417.5
60°	10044.6	8922.5	5545.8	1560.1	839.6	829.3	935.5	1155.8	1197.3	1288.0	1350.2
62.5°	9282.7	7826.3	4397.7	1192.1	717.8	759.3	863.0	1044.4	1109.2	1220.6	1277.6
65°	7263.9	5198.5	2723.6	806.0	632.3	681.6	780.0	914.8	1021.0	1124.7	1192.1
67.5°	4301.9	2840.3	1347.6	564.9	552.0	603.8	704.9	806.0	927.8	1041.8	1075.5
70°	2342.7	1396.8	575.3	430.2	469.1	515.7	614.2	684.2	800.8	888.9	945.9
72.5°	751.5	425.0	287.7	318.8	357.6	412.0	471.6	557.2	640.1	691.9	738.6
75°	181.4	178.8	204.7	222.9	259.1	300.6	349.9	393.9	458.7	507.9	549.4
77.5°	127.0	137.3	158.1	184.0	197.0	212.5	243.6	277.3	305.8	342.1	368.0
80°	98.5	106.3	121.8	134.8	147.7	160.7	176.2	189.2	207.3	230.6	243.6
82.5°	93.3	98.5	114.0	121.8	116.6	114.0	124.4	129.6	132.2	139.9	147.7
85°	7.8	0.0	5.2	18.1	44.1	64.8	70.0	70.0	67.4	72.6	72.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	10.4	7.8
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°	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0
2.5°	7007.4	6919.3	6952.9	6994.4	6934.8	6797.5	6833.7	6818.2	6958.1	6947.8	7087.7
5°	5874.9	5737.5	5753.1	5955.2	5890.4	5960.4	5820.5	5802.3	5828.2	5841.2	5864.5
7.5°	4496.2	4478.1	4633.6	4804.6	4884.9	4802.0	4664.7	4633.6	4605.1	4548.1	4677.6
10°	3669.5	3674.7	3664.4	3793.9	3884.6	3866.5	3783.6	3773.2	3718.8	3698.0	3770.6
12.5°	3275.6	3205.7	3172.0	3130.5	3200.5	3247.1	3210.8	3184.9	3187.5	3213.4	3223.8
15°	2894.7	2850.6	2778.1	2731.4	2765.1	2741.8	2728.8	2780.7	2767.7	2762.5	2824.7
17.5°	2467.1	2503.4	2498.2	2446.4	2490.4	2472.3	2469.7	2433.4	2384.2	2347.9	2368.6
20°	2184.6	2252.0	2303.8	2306.4	2329.7	2327.2	2288.3	2176.8	2140.6	2132.8	2138.0
22.5°	2083.6	2119.8	2182.0	2270.1	2270.1	2228.7	2182.0	2052.5	2018.8	1982.5	1966.9
25°	2003.2	2073.2	2153.5	2163.9	2205.4	2166.5	2091.3	2026.5	1956.6	1907.3	1907.3
27.5°	1961.8	2039.5	2099.1	2117.2	2174.3	2143.2	2065.4	1982.5	1899.6	1897.0	1852.9
30°	1943.6	2016.2	2055.0	2099.1	2125.0	2075.8	2052.5	1964.3	1881.4	1860.7	1788.1
32.5°	1889.2	1992.9	2065.4	2055.0	2075.8	2055.0	2021.4	1948.8	1855.5	1808.9	1801.1
35°	1827.0	1930.7	2008.4	2062.8	2075.8	2031.7	2011.0	1912.5	1785.5	1762.2	1681.9
37.5°	1793.3	1855.5	1951.4	2039.5	2057.6	2034.3	1964.3	1863.3	1736.3	1710.4	1640.4
40°	1751.8	1832.2	1907.3	1979.9	2034.3	1977.3	1897.0	1798.5	1741.5	1663.7	1643.0
42.5°	1720.7	1811.4	1873.6	1954.0	2016.2	1941.0	1847.7	1780.3	1700.0	1648.2	1588.6
44°	1710.4	1793.3	1834.8	1933.2	1985.1	1928.1	1850.3	1780.3	1687.1	1640.4	1588.6
45°	1674.1	1788.1	1832.2	1920.3	1964.3	1917.7	1819.2	1749.3	1681.9	1624.9	1570.4
47.5°	1637.8	1715.6	1790.7	1860.7	1891.8	1876.2	1793.3	1707.8	1627.5	1593.8	1541.9
50°	1627.5	1705.2	1775.2	1840.0	1876.2	1845.1	1770.0	1687.1	1593.8	1539.3	1495.3
52.5°	1575.6	1671.5	1749.3	1770.0	1816.6	1798.5	1741.5	1650.8	1562.7	1516.0	1479.7
55°	1500.5	1601.5	1707.8	1733.7	1801.1	1772.6	1687.1	1601.5	1526.4	1456.4	1409.8
57.5°	1472.0	1570.4	1674.1	1707.8	1749.3	1702.6	1681.9	1591.2	1472.0	1435.7	1363.1
60°	1399.4	1523.8	1609.3	1687.1	1689.6	1676.7	1640.4	1536.7	1438.3	1370.9	1319.1
62.5°	1342.4	1459.0	1526.4	1598.9	1643.0	1606.7	1570.4	1474.6	1368.3	1293.2	1233.5
65°	1259.5	1365.7	1422.7	1466.8	1516.0	1510.8	1448.6	1378.7	1267.2	1207.6	1150.6
67.5°	1132.5	1225.8	1303.5	1345.0	1376.1	1368.3	1321.7	1272.4	1158.4	1098.8	1057.3
70°	979.6	1075.5	1124.7	1148.0	1179.1	1194.7	1158.4	1135.1	1034.0	956.3	917.4
72.5°	787.8	850.0	922.6	943.3	956.3	966.6	966.6	945.9	842.2	811.1	743.8
75°	580.5	629.7	684.2	684.2	707.5	710.1	715.2	702.3	624.5	583.1	567.5
77.5°	393.9	430.2	474.2	492.4	507.9	505.3	502.7	466.5	425.0	406.9	391.3
80°	256.6	292.8	313.6	336.9	352.4	349.9	355.0	329.1	311.0	279.9	285.1
82.5°	152.9	181.4	202.1	230.6	230.6	238.4	238.4	230.6	212.5	197.0	197.0
85°	72.6	95.9	108.8	127.0	137.3	139.9	124.4	106.3	88.1	80.3	88.1
87.5°	13.0	18.1	25.9	23.3	28.5	25.9	25.9	25.9	25.9	20.7	23.3
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: P530030

CATALOG NUMBER: GALN-SA5B-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0	7917.0
2.5°	7035.9	7165.5	7256.2	7406.5	7665.6	7872.9	8085.4	8243.5	8261.6	8308.3
5°	5950.0	6020.0	6250.7	6551.3	6763.8	7113.6	7339.1	7748.5	7901.4	8064.7
7.5°	4646.5	4760.6	5068.9	5271.1	5737.5	6175.5	6629.0	7134.4	7336.5	7359.8
10°	3918.3	4084.2	4294.1	4618.0	4872.0	5359.2	5924.1	6486.5	6711.9	6750.8
12.5°	3441.5	3654.0	3933.9	4167.1	4410.7	4835.7	5377.3	6071.8	6364.7	6540.9
15°	2982.8	3203.1	3511.5	3835.4	4050.5	4558.4	5195.9	5978.6	6359.5	6515.0
17.5°	2511.1	2715.9	2969.8	3319.7	3752.5	4322.6	5167.4	6289.5	6706.8	6888.2
20°	2106.9	2220.9	2516.3	2876.5	3418.2	4081.6	5177.8	6748.2	7359.8	7440.1
22.5°	1948.8	1974.7	2091.3	2423.0	3016.5	3835.4	5361.8	7398.7	8093.2	8357.5
25°	1827.0	1821.8	1852.9	2075.8	2723.6	3739.5	5543.2	7997.3	8906.9	9194.6
27.5°	1759.6	1707.8	1710.4	1920.3	2516.3	3584.0	5776.4	8684.1	9829.5	9956.5
30°	1725.9	1715.6	1684.5	1770.0	2290.9	3350.8	5815.3	9360.4	10373.7	10557.7
32.5°	1705.2	1604.1	1565.3	1596.4	2078.4	3096.8	5960.4	9806.2	11047.5	10967.2
35°	1601.5	1510.8	1484.9	1516.0	1928.1	2954.3	5864.5	10194.9	11552.8	11687.6
37.5°	1562.7	1482.3	1430.5	1404.6	1788.1	2835.1	5815.3	10793.5	12042.6	12366.6
40°	1526.4	1440.9	1378.7	1352.8	1679.3	2677.0	5799.7	11254.8	12607.6	12801.9
42.5°	1484.9	1430.5	1360.5	1313.9	1547.1	2518.9	5620.9	11397.3	12781.2	12991.1
44°	1472.0	1389.0	1316.5	1300.9	1495.3	2438.6	5584.6	11526.9	12931.5	13250.3
45°	1459.0	1381.3	1298.3	1277.6	1477.1	2394.5	5535.4	11558.0	13180.3	13239.9
47.5°	1422.7	1373.5	1293.2	1236.1	1438.3	2298.6	5387.7	11381.8	12926.3	12936.7
50°	1394.2	1337.2	1254.3	1142.8	1386.4	2218.3	5455.1	11317.0	12314.7	12338.1
52.5°	1363.1	1277.6	1231.0	1039.2	1300.9	2150.9	5597.6	11609.8	12384.7	12379.5
55°	1326.8	1233.5	1119.5	951.1	1158.4	2065.4	5942.3	12187.7	13032.6	13120.7
57.5°	1269.8	1189.5	1026.2	873.3	995.1	1902.1	5830.8	11081.2	11990.8	12006.3
60°	1194.7	1119.5	930.3	813.7	816.3	1500.5	5214.1	8634.8	9461.5	9687.0
62.5°	1122.1	1080.6	850.0	728.2	694.5	1194.7	4408.1	7175.8	8121.7	8308.3
65°	1036.6	935.5	780.0	663.4	596.0	837.0	3122.7	5361.8	6336.2	6587.6
67.5°	927.8	818.9	686.7	583.1	510.5	559.8	1611.9	3047.6	4034.9	4182.7
70°	811.1	710.1	577.9	492.4	412.0	386.1	710.1	1453.8	2205.4	2358.2
72.5°	666.0	572.7	461.3	388.7	308.4	266.9	238.4	388.7	782.6	909.6
75°	482.0	417.2	347.3	277.3	217.7	171.0	139.9	116.6	129.6	139.9
77.5°	355.0	303.2	256.6	197.0	152.9	121.8	95.9	72.6	70.0	67.4
80°	277.3	246.2	204.7	158.1	119.2	90.7	67.4	49.2	44.1	44.1
82.5°	217.7	202.1	168.4	129.6	98.5	72.6	49.2	33.7	28.5	28.5
85°	82.9	82.9	121.8	106.3	75.2	51.8	33.7	18.1	15.5	15.5
87.5°	20.7	20.7	20.7	20.7	18.1	15.5	15.5	7.8	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)