

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: P529328

Luminaire Tested: **GALN-SA4C-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529328
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-SA4C-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 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: 17323 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

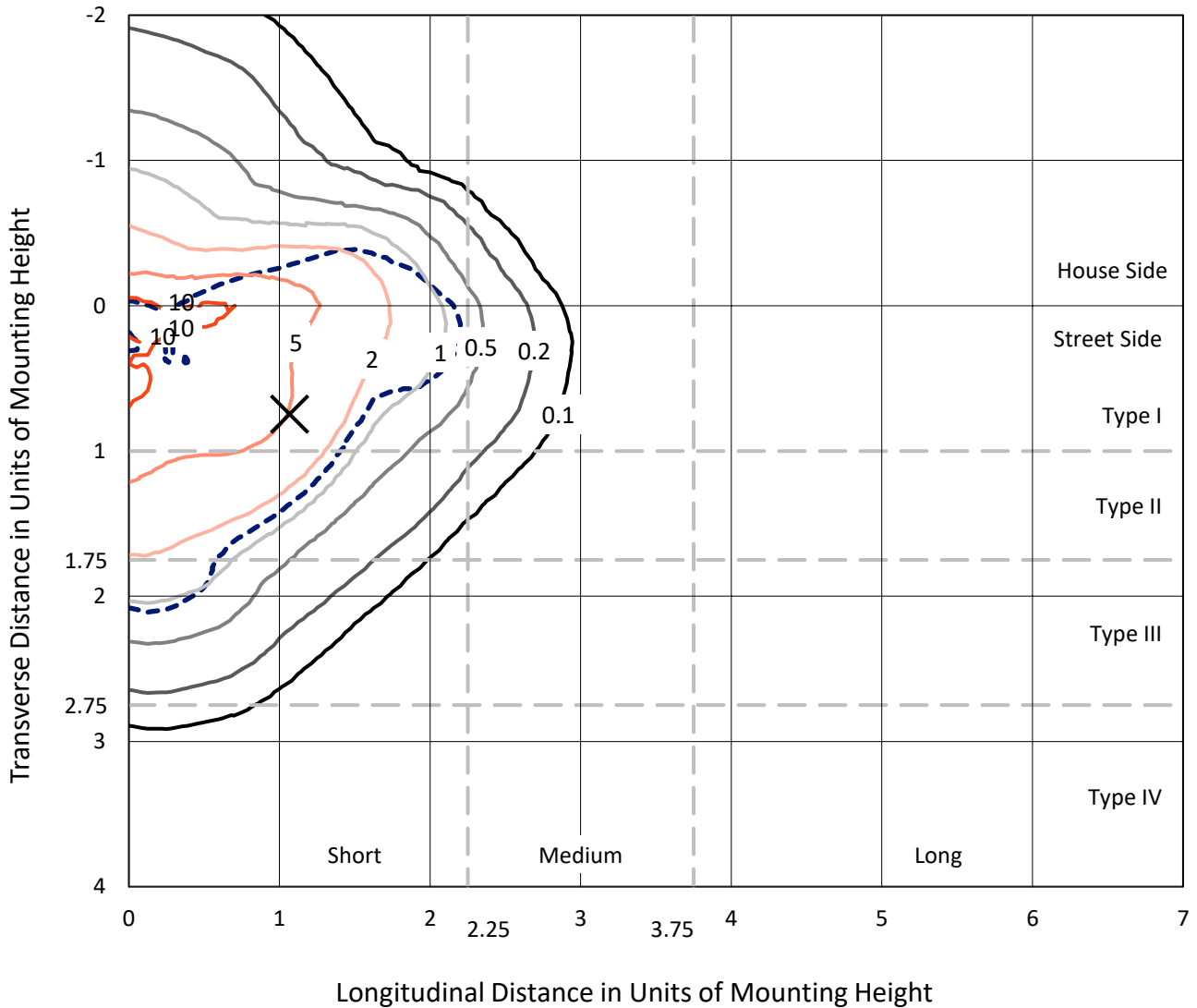
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

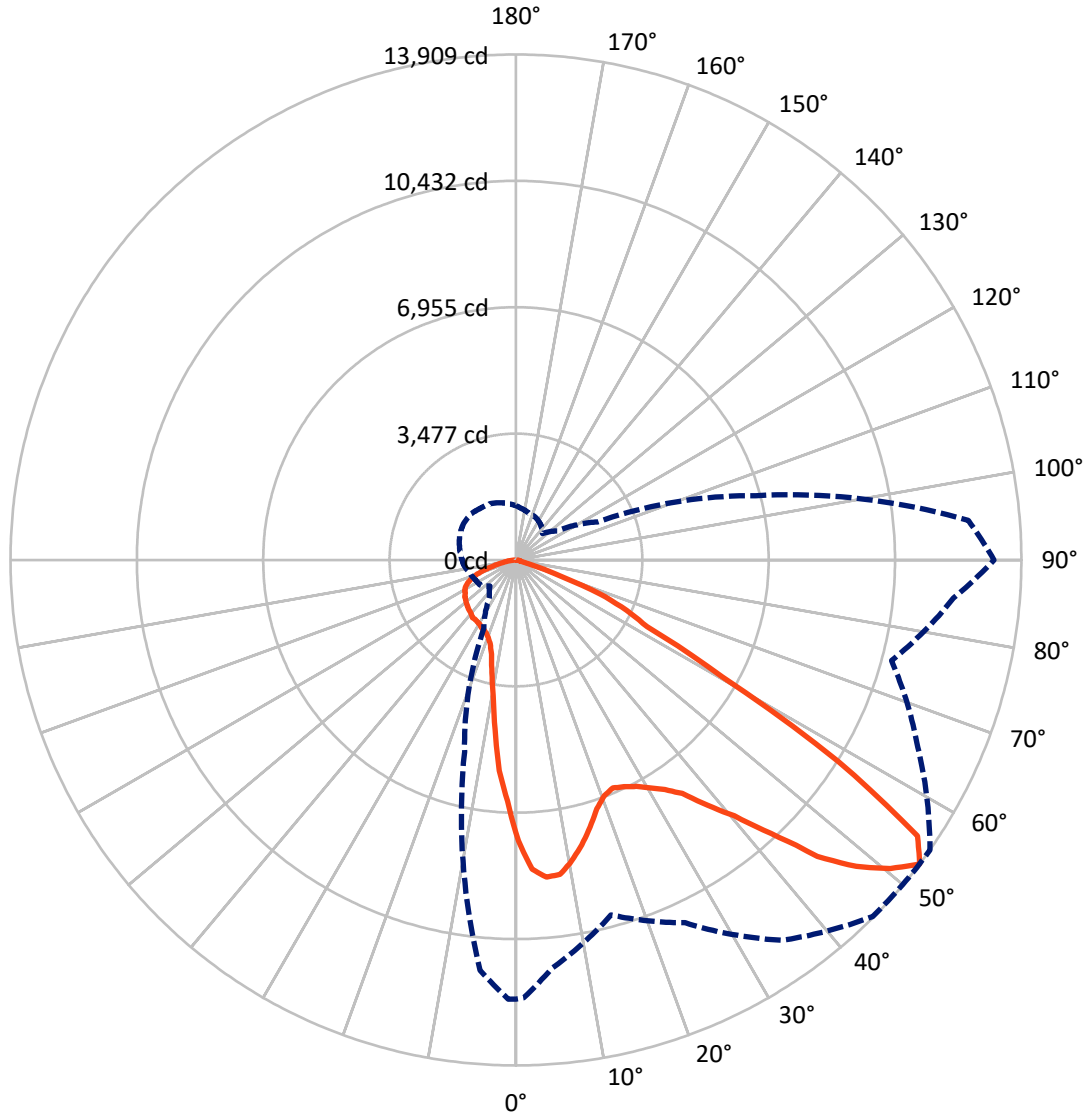
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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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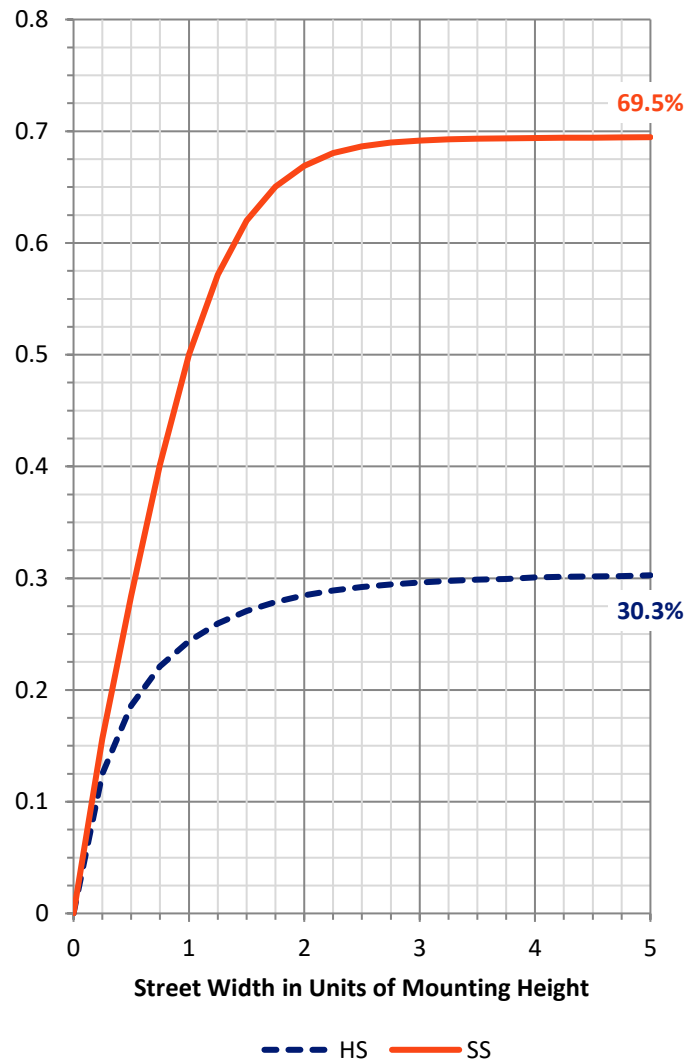
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5284.5	0.0	5284.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	12038.5	0.0	12038.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	17323.0	0.0	17323.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.4	3.4
10°-20°	1272.9	7.3
20°-30°	1930.1	11.1
30°-40°	2788.7	16.1
40°-50°	3726.5	21.5
50°-60°	4159.6	24.0
60°-70°	2281.7	13.2
70°-80°	493.3	2.8
80°-90°	79.8	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°	17323.0	100.0
0°-180°	17323.0	100.0



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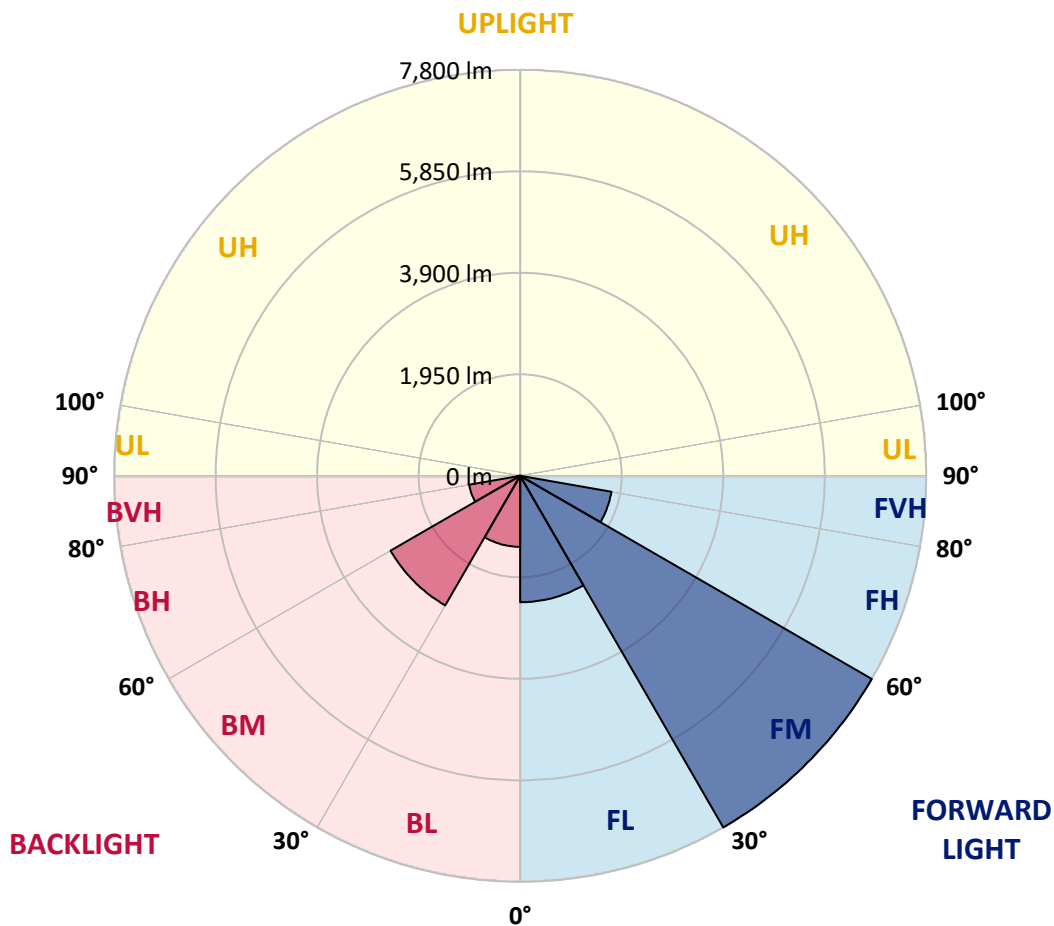
CATALOG NUMBER: GALN-SA4C-727-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2429.0	14.0			
FM (30°-60°)	7799.6	45.0			
FH (60°-80°)	1780.4	10.3			G1/1800
FVH (80°-90°)	29.5	0.2			G1/100
BL (0°-30°)	1364.4	7.9	B3/2500		
BM (30°-60°)	2875.2	16.6	B3/5000		
BH (60°-80°)	994.7	5.7	B2/1000		G2/1000
BVH (80°-90°)	50.3	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°	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4
2.5°	8109.3	8063.8	8104.3	8296.5	8407.8	8483.7	8531.8	8524.2	8342.0	8165.0	8165.0
5°	7871.6	7813.4	7896.9	8331.9	8769.5	8807.5	8870.7	8767.0	8498.9	8175.1	7770.4
7.5°	7183.6	7226.6	7365.7	7937.3	8506.5	8792.3	8868.2	8736.6	8301.6	7697.0	7102.6
10°	6589.2	6690.3	7011.6	7628.8	8152.3	8524.2	8607.6	8423.0	8079.0	7337.9	6806.7
12.5°	6384.3	6321.0	6677.7	7294.9	7795.7	7995.5	8033.5	8046.1	7813.4	7155.7	6508.2
15°	6359.0	6399.4	6677.7	7145.6	7454.2	7464.3	7527.6	7626.2	7656.6	7279.7	6647.3
17.5°	6723.2	6675.2	6961.0	7332.8	7186.1	7039.4	7054.6	7196.2	7446.6	7385.9	7084.9
20°	7262.0	7370.7	7595.9	7557.9	7163.3	6791.5	6794.0	6928.1	7421.3	7826.0	7694.5
22.5°	8157.4	8263.6	8430.6	7972.8	7163.3	6718.2	6632.2	6814.3	7583.2	8349.6	8382.5
25°	8974.4	9169.2	9214.7	8675.9	7522.5	6786.5	6730.8	6910.4	7745.1	8860.6	9171.7
27.5°	9718.1	9788.9	9988.7	9128.7	7722.3	6832.0	6826.9	7057.1	7950.0	9116.1	9877.4
30°	10304.9	10297.3	10411.1	9414.5	8041.0	7087.5	6842.1	7277.2	8218.1	9538.5	10530.0
32.5°	10704.5	10790.5	11030.8	9811.6	8175.1	7330.3	7138.0	7535.2	8544.4	9738.3	10990.4
35°	11407.7	11556.9	11253.4	10031.7	8600.1	7570.6	7345.5	7886.8	8706.3	9955.8	11554.4
37.5°	12070.4	11956.6	11648.0	10150.6	8875.8	8015.8	7805.8	8567.2	9209.6	10428.8	11928.8
40°	12495.4	12492.8	11944.0	10246.7	9070.5	8696.2	8683.5	9257.7	9826.8	10727.3	12348.7
42.5°	12680.0	12857.1	12065.4	10236.6	9480.3	9520.8	9776.2	10289.7	10264.4	10788.0	12338.5
44°	12933.0	13039.2	12275.3	10259.4	9753.5	10077.2	10679.2	11005.5	10646.4	10755.1	12325.9
45°	12922.8	12930.4	11976.8	10289.7	9986.2	10542.6	11081.4	11632.8	10982.8	10684.3	12492.8
47.5°	12626.9	12540.9	11723.9	10064.6	10712.1	11772.0	12270.2	12604.1	11397.6	10532.5	12285.4
50°	12042.6	11944.0	11109.2	9968.5	10863.9	12535.8	13223.8	13345.3	11774.5	10383.3	12080.5
52.5°	12083.1	12055.2	11283.8	10112.6	11015.7	12776.1	13879.0	13909.3	12202.0	10696.9	12083.1
55°	12806.5	12710.4	11784.6	10292.2	10904.4	12495.4	13461.6	13408.5	12057.8	10507.2	12305.7
57.5°	11718.8	11782.1	11091.5	9581.5	9543.5	10158.2	10583.1	10451.6	10062.1	9482.8	11448.2
60°	9455.0	9634.6	9700.4	8013.2	7201.3	6885.1	6758.6	6525.9	6591.7	7790.6	10057.0
62.5°	8109.3	8099.2	8511.5	7264.5	4717.4	4057.2	3996.5	4049.6	4808.4	7669.2	9849.6
65°	6429.8	6601.8	6728.3	6156.6	3733.4	3012.5	3010.0	3346.4	4160.9	6409.6	7952.5
67.5°	4082.5	4307.6	4464.4	3938.3	2496.5	2145.0	2086.8	2491.5	2883.5	4203.9	4788.2
70°	2301.8	2408.0	2478.8	2271.4	1588.5	1112.9	1047.2	1143.3	1742.8	2721.7	2838.0
72.5°	887.8	935.9	1032.0	1039.6	599.5	359.2	290.9	349.1	733.5	1077.5	1026.9
75°	136.6	146.7	207.4	247.9	172.0	131.5	139.1	144.2	204.9	278.2	232.7
77.5°	65.8	65.8	63.2	73.4	86.0	93.6	101.2	111.3	121.4	134.1	129.0
80°	43.0	43.0	43.0	50.6	63.2	75.9	86.0	91.1	96.1	106.2	101.2
82.5°	27.8	27.8	27.8	37.9	50.6	63.2	68.3	80.9	91.1	106.2	98.6
85°	15.2	15.2	15.2	25.3	37.9	53.1	50.6	40.5	22.8	2.5	5.1
87.5°	5.1	5.1	5.1	5.1	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°	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4
2.5°	7952.5	7836.2	7826.0	7588.3	7375.8	7272.1	7188.6	6955.9	7006.5	6872.5	6869.9
5°	7568.0	7330.3	6945.8	6629.6	6313.4	6250.2	5974.5	5734.2	5741.8	5569.8	5600.2
7.5°	6877.5	6713.1	6245.2	5749.4	5329.5	5031.0	4770.5	4613.7	4413.8	4345.6	4310.1
10°	6439.9	6237.6	5711.4	5089.2	4618.7	4459.4	4209.0	4069.8	3865.0	3763.8	3693.0
12.5°	6247.7	5951.7	5294.1	4661.7	4348.1	4183.7	3971.2	3718.3	3475.4	3381.8	3252.8
15°	6267.9	5913.8	5172.7	4489.7	4112.8	3794.1	3604.4	3323.7	3075.8	2911.4	2817.8
17.5°	6574.0	6144.0	5228.3	4358.2	3816.9	3417.3	3045.4	2741.9	2544.6	2420.7	2390.3
20°	7297.4	6713.1	5321.9	4145.7	3521.0	3022.7	2564.8	2248.7	2096.9	2094.4	2096.9
22.5°	7899.4	7320.2	5511.6	4019.3	3225.0	2516.8	2061.5	1960.3	1930.0	1993.2	2000.8
25°	8711.3	8003.1	5837.9	3953.5	2951.8	2145.0	1864.2	1826.2	1823.7	1904.7	1907.2
27.5°	9543.5	8600.1	6032.7	3761.3	2673.6	1952.7	1745.3	1737.7	1778.2	1864.2	1856.6
30°	10110.1	9100.9	6384.3	3531.1	2344.8	1783.2	1697.2	1707.4	1763.0	1828.8	1838.9
32.5°	10770.3	9594.1	6475.3	3404.6	2142.4	1641.6	1580.9	1603.7	1674.5	1778.2	1833.8
35°	11526.6	9943.2	6614.5	3232.6	2066.5	1532.8	1502.5	1527.8	1613.8	1682.1	1742.8
37.5°	12085.6	10560.4	6639.7	3098.5	1983.1	1472.1	1424.1	1507.5	1558.1	1654.2	1684.6
40°	12500.4	11008.1	6705.5	3015.1	1917.3	1393.7	1393.7	1449.4	1517.7	1606.2	1666.9
42.5°	12766.0	11334.4	6753.6	2939.2	1790.8	1370.9	1358.3	1413.9	1505.0	1591.0	1618.8
44°	12927.9	11473.5	6705.5	2868.4	1755.4	1343.1	1343.1	1391.2	1462.0	1563.2	1596.1
45°	12968.4	11648.0	6599.3	2865.8	1712.4	1310.2	1305.2	1396.2	1444.3	1568.2	1588.5
47.5°	13125.2	11863.0	6611.9	2784.9	1608.7	1231.8	1320.4	1360.8	1403.8	1512.6	1580.9
50°	13120.1	11997.1	6584.1	2666.0	1532.8	1143.3	1290.0	1335.5	1378.5	1489.8	1517.7
52.5°	13155.5	12497.9	6839.6	2476.3	1396.2	1029.5	1188.8	1290.0	1343.1	1436.7	1494.9
55°	13137.8	12783.7	7092.5	2334.7	1204.0	961.2	1102.8	1221.7	1297.6	1396.2	1424.1
57.5°	11999.6	11298.9	6563.9	2069.1	996.6	880.2	981.4	1150.9	1247.0	1348.2	1383.6
60°	9804.1	8708.8	5413.0	1522.7	819.5	809.4	913.1	1128.1	1168.6	1257.1	1317.8
62.5°	9060.4	7638.9	4292.4	1163.5	700.7	741.1	842.3	1019.4	1082.6	1191.4	1247.0
65°	7090.0	5074.0	2658.4	786.7	617.2	665.2	761.4	892.9	996.6	1097.8	1163.5
67.5°	4198.8	2772.3	1315.3	551.4	538.8	589.4	688.0	786.7	905.5	1016.8	1049.7
70°	2286.6	1363.4	561.5	419.9	457.8	503.4	599.5	667.8	781.6	867.6	923.2
72.5°	733.5	414.8	280.8	311.1	349.1	402.2	460.4	543.8	624.8	675.4	720.9
75°	177.1	174.5	199.8	217.5	252.9	293.4	341.5	384.5	447.7	495.8	536.2
77.5°	123.9	134.1	154.3	179.6	192.2	207.4	237.8	270.6	298.5	333.9	359.2
80°	96.1	103.7	118.9	131.5	144.2	156.8	172.0	184.6	202.4	225.1	237.8
82.5°	91.1	96.1	111.3	118.9	113.8	111.3	121.4	126.5	129.0	136.6	144.2
85°	7.6	0.0	5.1	17.7	43.0	63.2	68.3	68.3	65.8	70.8	70.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	10.1	7.6
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°	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4
2.5°	6839.6	6753.6	6786.5	6826.9	6768.7	6634.7	6670.1	6654.9	6791.5	6781.4	6918.0
5°	5734.2	5600.2	5615.3	5812.6	5749.4	5817.7	5681.1	5663.4	5688.7	5701.3	5724.1
7.5°	4388.6	4370.8	4522.6	4689.6	4768.0	4687.0	4553.0	4522.6	4494.8	4439.1	4565.6
10°	3581.7	3586.7	3576.6	3703.1	3791.6	3773.9	3693.0	3682.8	3629.7	3609.5	3680.3
12.5°	3197.2	3128.9	3096.0	3055.5	3123.8	3169.4	3134.0	3108.7	3111.2	3136.5	3146.6
15°	2825.4	2782.4	2711.5	2666.0	2698.9	2676.1	2663.5	2714.1	2701.4	2696.4	2757.1
17.5°	2408.0	2443.4	2438.4	2387.8	2430.8	2413.1	2410.5	2375.1	2327.1	2291.7	2311.9
20°	2132.3	2198.1	2248.7	2251.2	2274.0	2271.4	2233.5	2124.7	2089.3	2081.7	2086.8
22.5°	2033.7	2069.1	2129.8	2215.8	2215.8	2175.3	2129.8	2003.3	1970.4	1935.0	1919.8
25°	1955.2	2023.5	2102.0	2112.1	2152.5	2114.6	2041.2	1978.0	1909.7	1861.7	1861.7
27.5°	1914.8	1990.7	2048.8	2066.5	2122.2	2091.8	2016.0	1935.0	1854.1	1851.5	1808.5
30°	1897.1	1967.9	2005.8	2048.8	2074.1	2026.1	2003.3	1917.3	1836.4	1816.1	1745.3
32.5°	1844.0	1945.1	2016.0	2005.8	2026.1	2005.8	1973.0	1902.1	1811.1	1765.5	1758.0
35°	1783.2	1884.4	1960.3	2013.4	2026.1	1983.1	1962.8	1866.7	1742.8	1720.0	1641.6
37.5°	1750.4	1811.1	1904.7	1990.7	2008.4	1985.6	1917.3	1818.7	1694.7	1669.4	1601.1
40°	1709.9	1788.3	1861.7	1932.5	1985.6	1930.0	1851.5	1755.4	1699.8	1623.9	1603.7
42.5°	1679.5	1768.1	1828.8	1907.2	1967.9	1894.5	1803.5	1737.7	1659.3	1608.7	1550.5
44°	1669.4	1750.4	1790.8	1887.0	1937.5	1881.9	1806.0	1737.7	1646.7	1601.1	1550.5
45°	1634.0	1745.3	1788.3	1874.3	1917.3	1871.8	1775.7	1707.4	1641.6	1586.0	1532.8
47.5°	1598.6	1674.5	1747.8	1816.1	1846.5	1831.3	1750.4	1666.9	1588.5	1555.6	1505.0
50°	1588.5	1664.4	1732.7	1795.9	1831.3	1801.0	1727.6	1646.7	1555.6	1502.5	1459.5
52.5°	1537.9	1631.5	1707.4	1727.6	1773.1	1755.4	1699.8	1611.2	1525.2	1479.7	1444.3
55°	1464.5	1563.2	1666.9	1692.2	1758.0	1730.1	1646.7	1563.2	1489.8	1421.5	1376.0
57.5°	1436.7	1532.8	1634.0	1666.9	1707.4	1661.8	1641.6	1553.1	1436.7	1401.3	1330.5
60°	1365.9	1487.3	1570.8	1646.7	1649.2	1636.5	1601.1	1499.9	1403.8	1338.1	1287.5
62.5°	1310.2	1424.1	1489.8	1560.7	1603.7	1568.2	1532.8	1439.2	1335.5	1262.2	1204.0
65°	1229.3	1333.0	1388.7	1431.7	1479.7	1474.7	1413.9	1345.7	1236.9	1178.7	1123.1
67.5°	1105.4	1196.4	1272.3	1312.8	1343.1	1335.5	1290.0	1241.9	1130.7	1072.5	1032.0
70°	956.1	1049.7	1097.8	1120.5	1150.9	1166.1	1130.7	1107.9	1009.2	933.4	895.4
72.5°	768.9	829.7	900.5	920.7	933.4	943.5	943.5	923.2	822.1	791.7	725.9
75°	566.6	614.7	667.8	667.8	690.5	693.1	698.1	685.5	609.6	569.1	553.9
77.5°	384.5	419.9	462.9	480.6	495.8	493.2	490.7	455.3	414.8	397.1	381.9
80°	250.4	285.8	306.1	328.8	344.0	341.5	346.5	321.2	303.5	273.2	278.2
82.5°	149.2	177.1	197.3	225.1	225.1	232.7	232.7	225.1	207.4	192.2	192.2
85°	70.8	93.6	106.2	123.9	134.1	136.6	121.4	103.7	86.0	78.4	86.0
87.5°	12.6	17.7	25.3	22.8	27.8	25.3	25.3	25.3	25.3	20.2	22.8
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: P529328

CATALOG NUMBER: GALN-SA4C-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4	7727.4
2.5°	6867.4	6993.9	7082.4	7229.1	7482.0	7684.4	7891.8	8046.1	8063.8	8109.3
5°	5807.6	5875.9	6101.0	6394.4	6601.8	6943.3	7163.3	7563.0	7712.2	7871.6
7.5°	4535.3	4646.6	4947.6	5144.9	5600.2	6027.6	6470.3	6963.5	7160.8	7183.6
10°	3824.5	3986.4	4191.3	4507.4	4755.3	5230.9	5782.3	6331.2	6551.2	6589.2
12.5°	3359.1	3566.5	3839.7	4067.3	4305.1	4719.9	5248.6	5926.4	6212.3	6384.3
15°	2911.4	3126.4	3427.4	3743.6	3953.5	4449.3	5071.5	5835.4	6207.2	6359.0
17.5°	2451.0	2650.8	2898.7	3240.2	3662.6	4219.1	5043.7	6138.9	6546.2	6723.2
20°	2056.4	2167.7	2456.1	2807.7	3336.3	3983.8	5053.8	6586.6	7183.6	7262.0
22.5°	1902.1	1927.4	2041.2	2365.0	2944.3	3743.6	5233.4	7221.5	7899.4	8157.4
25°	1783.2	1778.2	1808.5	2026.1	2658.4	3650.0	5410.4	7805.8	8693.6	8974.4
27.5°	1717.5	1666.9	1669.4	1874.3	2456.1	3498.2	5638.1	8476.1	9594.1	9718.1
30°	1684.6	1674.5	1644.1	1727.6	2236.0	3270.5	5676.0	9136.3	10125.3	10304.9
32.5°	1664.4	1565.7	1527.8	1558.1	2028.6	3022.7	5817.7	9571.3	10782.9	10704.5
35°	1563.2	1474.7	1449.4	1479.7	1881.9	2883.5	5724.1	9950.8	11276.2	11407.7
37.5°	1525.2	1446.8	1396.2	1370.9	1745.3	2767.2	5676.0	10535.1	11754.2	12070.4
40°	1489.8	1406.4	1345.7	1320.4	1639.1	2612.9	5660.9	10985.3	12305.7	12495.4
42.5°	1449.4	1396.2	1327.9	1282.4	1510.1	2458.6	5486.3	11124.4	12475.1	12680.0
44°	1436.7	1355.8	1284.9	1269.8	1459.5	2380.2	5450.9	11250.9	12621.8	12933.0
45°	1424.1	1348.2	1267.2	1247.0	1441.8	2337.2	5402.9	11281.2	12864.7	12922.8
47.5°	1388.7	1340.6	1262.2	1206.5	1403.8	2243.6	5258.7	11109.2	12616.8	12626.9
50°	1360.8	1305.2	1224.2	1115.5	1353.2	2165.2	5324.4	11046.0	12019.8	12042.6
52.5°	1330.5	1247.0	1201.5	1014.3	1269.8	2099.4	5463.6	11331.8	12088.1	12083.1
55°	1295.1	1204.0	1092.7	928.3	1130.7	2016.0	5800.0	11895.9	12720.5	12806.5
57.5°	1239.4	1161.0	1001.7	852.4	971.3	1856.6	5691.2	10815.8	11703.7	11718.8
60°	1166.1	1092.7	908.1	794.2	796.8	1464.5	5089.2	8428.0	9234.9	9455.0
62.5°	1095.2	1054.8	829.7	710.8	677.9	1166.1	4302.6	7004.0	7927.2	8109.3
65°	1011.8	913.1	761.4	647.5	581.8	817.0	3048.0	5233.4	6184.4	6429.8
67.5°	905.5	799.3	670.3	569.1	498.3	546.4	1573.3	2974.6	3938.3	4082.5
70°	791.7	693.1	564.1	480.6	402.2	376.9	693.1	1419.0	2152.5	2301.8
72.5°	650.1	559.0	450.2	379.4	301.0	260.5	232.7	379.4	763.9	887.8
75°	470.5	407.2	338.9	270.6	212.5	166.9	136.6	113.8	126.5	136.6
77.5°	346.5	295.9	250.4	192.2	149.2	118.9	93.6	70.8	68.3	65.8
80°	270.6	240.3	199.8	154.3	116.4	88.5	65.8	48.1	43.0	43.0
82.5°	212.5	197.3	164.4	126.5	96.1	70.8	48.1	32.9	27.8	27.8
85°	80.9	80.9	118.9	103.7	73.4	50.6	32.9	17.7	15.2	15.2
87.5°	20.2	20.2	20.2	20.2	17.7	15.2	15.2	7.6	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)