

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: P529120

Luminaire Tested: **GALN-SA4B-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529120
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-SA4B-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 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: 15268 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

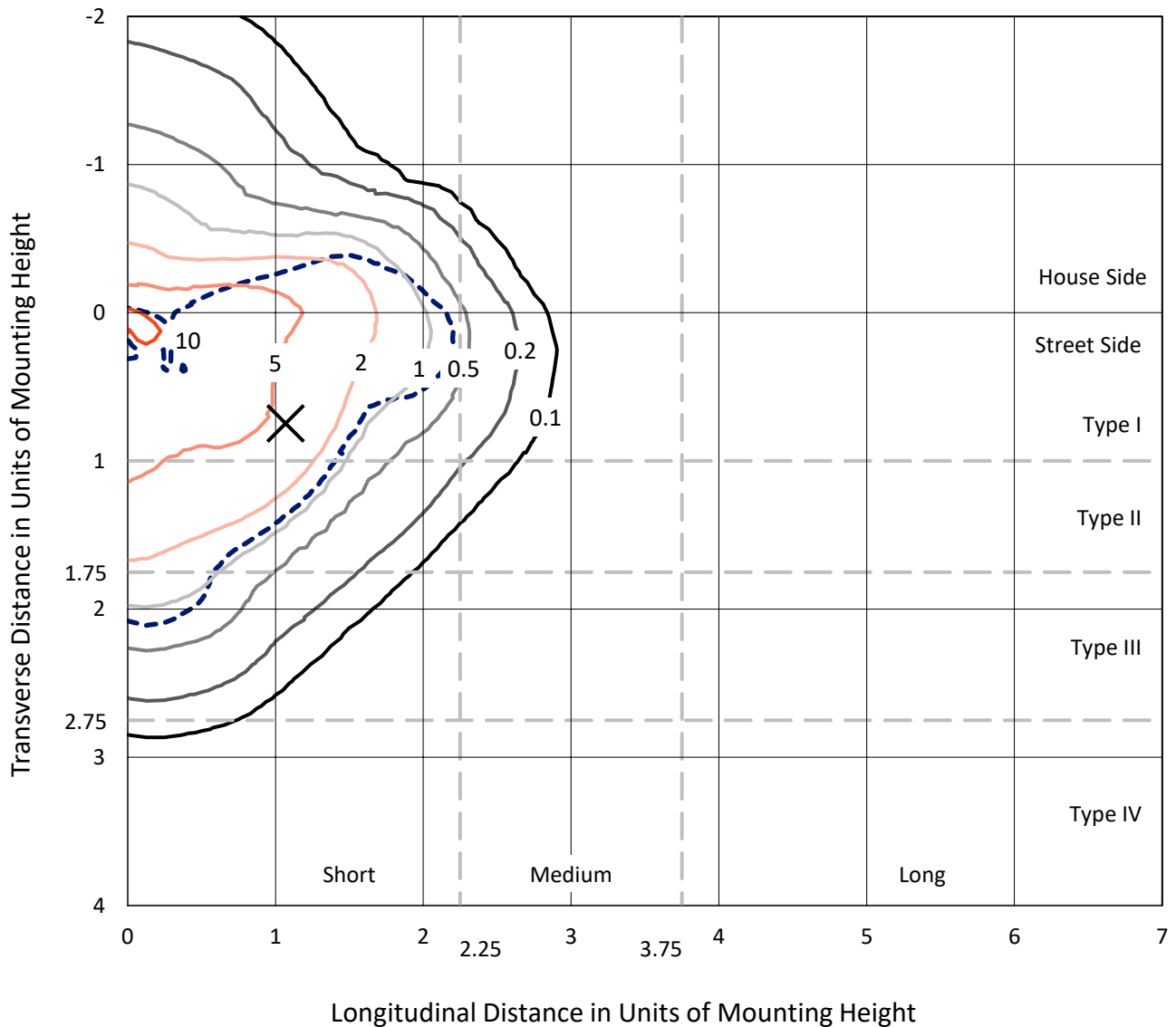
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

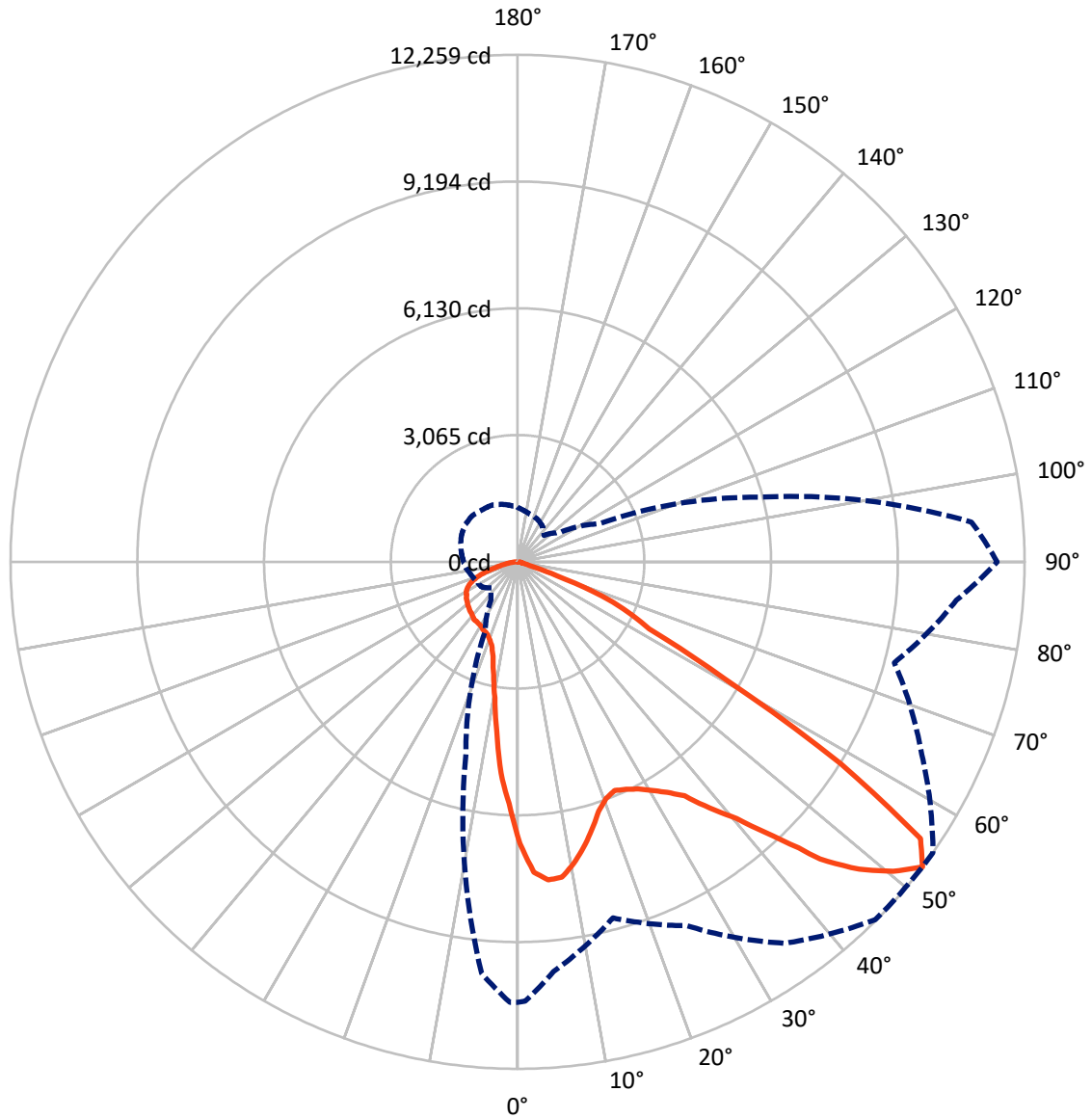
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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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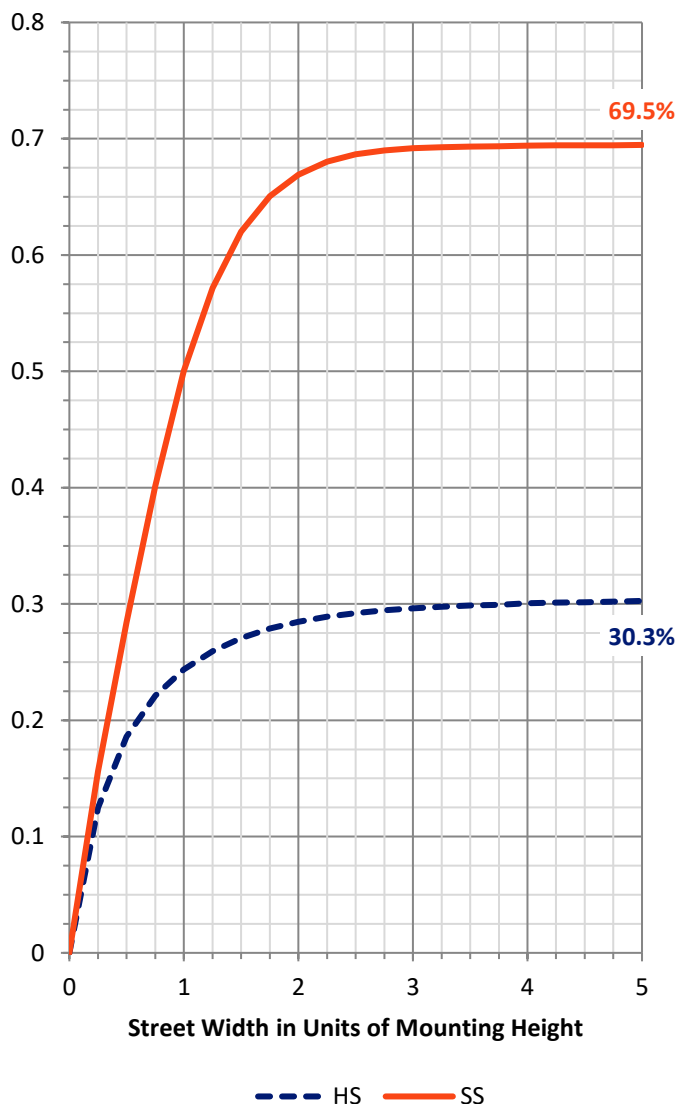
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4657.6	0.0	4657.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	10610.4	0.0	10610.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	15268.0	0.0	15268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.3	3.4
10°-20°	1121.9	7.3
20°-30°	1701.2	11.1
30°-40°	2457.9	16.1
40°-50°	3284.4	21.5
50°-60°	3666.1	24.0
60°-70°	2011.0	13.2
70°-80°	434.8	2.8
80°-90°	70.3	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°	15268.0	100.0
0°-180°	15268.0	100.0

Coefficient of Utilization

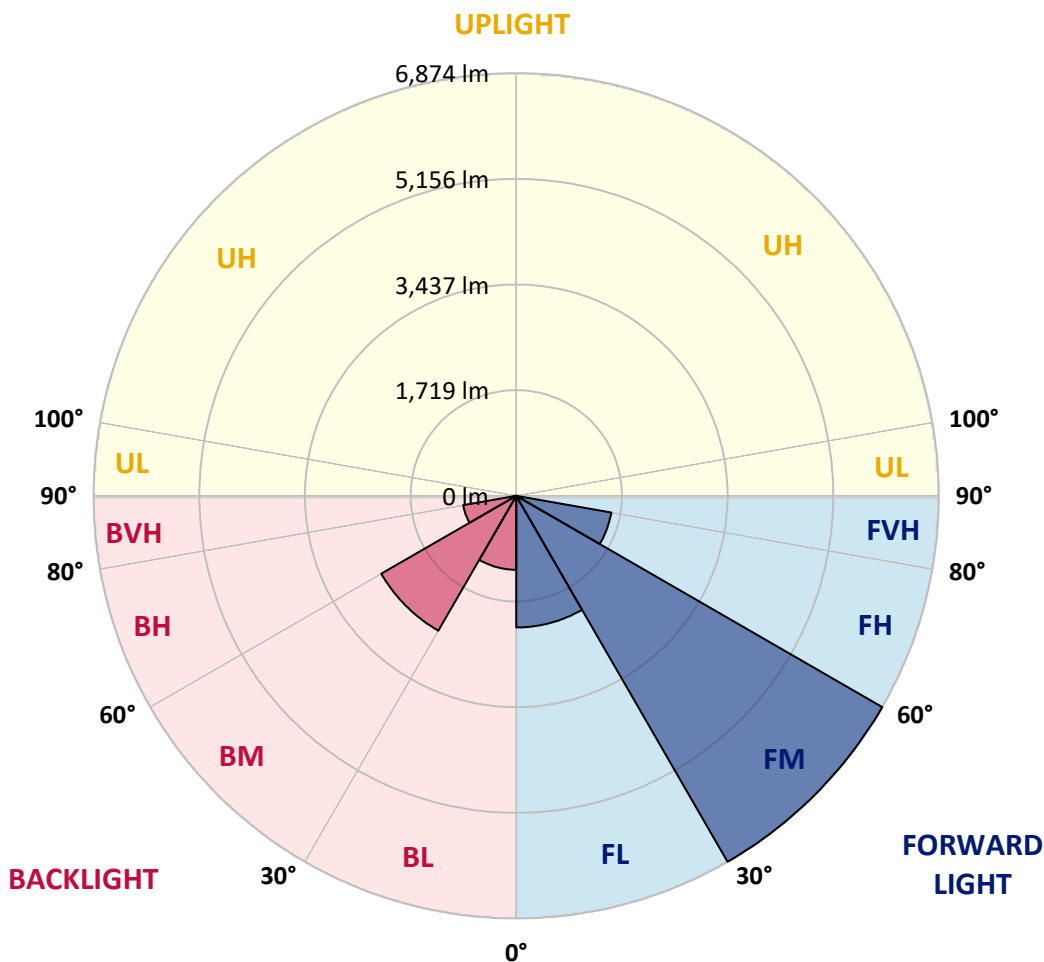


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2140.9	14.0			
FM (30°-60°)	6874.4	45.0			
FH (60°-80°)	1569.2	10.3			G1/1800
FVH (80°-90°)	26.0	0.2			G1/100
BL (0°-30°)	1202.5	7.9	B3/2500		
BM (30°-60°)	2534.1	16.6	B3/5000		
BH (60°-80°)	876.7	5.7	B2/1000		G2/1000
BVH (80°-90°)	44.3	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°	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7
2.5°	7147.3	7107.2	7142.9	7312.3	7410.4	7477.3	7519.6	7513.0	7352.4	7196.4	7196.4
5°	6937.8	6886.5	6960.1	7343.5	7729.2	7762.6	7818.4	7727.0	7490.7	7205.3	6848.6
7.5°	6331.4	6369.3	6491.9	6995.7	7497.4	7749.3	7816.2	7700.2	7316.8	6784.0	6260.1
10°	5807.5	5896.7	6179.8	6723.8	7185.2	7513.0	7586.5	7423.8	7120.6	6467.4	5999.2
12.5°	5626.9	5571.2	5885.5	6429.5	6870.9	7047.0	7080.5	7091.6	6886.5	6306.9	5736.2
15°	5604.6	5640.3	5885.5	6298.0	6569.9	6578.9	6634.6	6721.5	6748.3	6416.1	5858.8
17.5°	5925.7	5883.3	6135.2	6462.9	6333.6	6204.3	6217.7	6342.5	6563.2	6509.7	6244.5
20°	6400.5	6496.4	6694.8	6661.3	6313.6	5985.8	5988.1	6106.2	6541.0	6897.7	6781.7
22.5°	7189.7	7283.3	7430.5	7027.0	6313.6	5921.2	5845.4	6005.9	6683.6	7359.1	7388.1
25°	7909.8	8081.4	8121.6	7646.7	6630.1	5981.4	5932.3	6090.6	6826.3	7809.5	8083.7
27.5°	8565.2	8627.6	8803.8	8045.8	6806.3	6021.5	6017.1	6219.9	7006.9	8034.6	8705.7
30°	9082.4	9075.7	9176.1	8297.7	7087.2	6246.7	6030.4	6413.9	7243.2	8406.9	9280.8
32.5°	9434.7	9510.5	9722.3	8647.7	7205.3	6460.7	6291.3	6641.3	7530.8	8583.1	9686.6
35°	10054.4	10186.0	9918.4	8841.7	7579.8	6672.5	6474.1	6951.2	7673.5	8774.8	10183.7
37.5°	10638.5	10538.2	10266.2	8946.4	7822.8	7064.9	6879.8	7550.9	8117.1	9191.7	10513.7
40°	11013.1	11010.8	10527.1	9031.2	7994.5	7664.6	7653.4	8159.5	8661.1	9454.7	10883.8
42.5°	11175.8	11331.9	10634.1	9022.2	8355.7	8391.3	8616.5	9069.1	9046.8	9508.2	10874.8
44°	11398.7	11492.4	10819.1	9042.3	8596.4	8881.8	9412.4	9700.0	9383.4	9479.3	10863.7
45°	11389.8	11396.5	10556.0	9069.1	8801.5	9292.0	9766.8	10252.8	9679.9	9416.8	11010.8
47.5°	11129.0	11053.2	10333.1	8870.6	9441.4	10375.5	10814.6	11108.9	10045.5	9283.1	10828.0
50°	10614.0	10527.1	9791.4	8785.9	9575.1	11048.7	11655.1	11762.1	10377.7	9151.5	10647.4
52.5°	10649.7	10625.2	9945.2	8913.0	9708.9	11260.5	12232.5	12259.3	10754.5	9428.0	10649.7
55°	11287.3	11202.6	10386.6	9071.3	9610.8	11013.1	11864.7	11817.9	10627.4	9260.8	10845.9
57.5°	10328.6	10384.4	9775.8	8444.8	8411.4	8953.1	9327.7	9211.7	8868.4	8357.9	10090.1
60°	8333.4	8491.7	8549.6	7062.6	6347.0	6068.3	5956.9	5751.8	5809.7	6866.4	8864.0
62.5°	7147.3	7138.4	7501.8	6402.7	4157.8	3575.9	3522.4	3569.2	4238.0	6759.4	8681.1
65°	5667.0	5818.6	5930.1	5426.3	3290.5	2655.2	2652.9	2949.4	3667.3	5649.2	7009.1
67.5°	3598.2	3796.6	3934.8	3471.1	2200.4	1890.5	1839.2	2195.9	2541.5	3705.2	4220.2
70°	2028.7	2122.4	2184.8	2002.0	1400.0	980.9	923.0	1007.7	1536.0	2398.8	2501.3
72.5°	782.5	824.9	909.6	916.3	528.4	316.6	256.4	307.7	646.5	949.7	905.1
75°	120.4	129.3	182.8	218.5	151.6	115.9	122.6	127.1	180.6	245.2	205.1
77.5°	58.0	58.0	55.7	64.7	75.8	82.5	89.2	98.1	107.0	118.2	113.7
80°	37.9	37.9	37.9	44.6	55.7	66.9	75.8	80.3	84.7	93.6	89.2
82.5°	24.5	24.5	24.5	33.4	44.6	55.7	60.2	71.3	80.3	93.6	86.9
85°	13.4	13.4	13.4	22.3	33.4	46.8	44.6	35.7	20.1	2.2	4.5
87.5°	4.5	4.5	4.5	4.5	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°	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7
2.5°	7009.1	6906.6	6897.7	6688.1	6500.8	6409.4	6335.9	6130.8	6175.3	6057.2	6055.0
5°	6670.3	6460.7	6121.8	5843.2	5564.5	5508.8	5265.8	5054.0	5060.7	4909.1	4935.8
7.5°	6061.6	5916.7	5504.3	5067.3	4697.3	4434.2	4204.6	4066.4	3890.2	3830.0	3798.8
10°	5676.0	5497.6	5033.9	4485.5	4070.8	3930.4	3709.7	3587.0	3406.5	3317.3	3254.9
12.5°	5506.5	5245.7	4666.1	4108.7	3832.3	3687.4	3500.1	3277.2	3063.1	2980.7	2867.0
15°	5524.4	5212.3	4559.1	3957.1	3624.9	3344.0	3176.8	2929.4	2710.9	2566.0	2483.5
17.5°	5794.1	5415.1	4608.1	3841.2	3364.1	3011.9	2684.2	2416.6	2242.7	2133.5	2106.7
20°	6431.7	5916.7	4690.6	3653.9	3103.3	2664.1	2260.6	1981.9	1848.1	1845.9	1848.1
22.5°	6962.3	6451.8	4857.8	3542.5	2842.4	2218.2	1816.9	1727.8	1701.0	1756.7	1763.4
25°	7677.9	7053.7	5145.4	3484.5	2601.7	1890.5	1643.0	1609.6	1607.4	1678.7	1680.9
27.5°	8411.4	7579.8	5317.0	3315.1	2356.4	1721.1	1538.3	1531.6	1567.2	1643.0	1636.4
30°	8910.8	8021.3	5626.9	3112.2	2066.6	1571.7	1495.9	1504.8	1553.9	1611.8	1620.7
32.5°	9492.6	8456.0	5707.2	3000.7	1888.3	1446.9	1393.4	1413.4	1475.8	1567.2	1616.3
35°	10159.2	8763.6	5829.8	2849.1	1821.4	1351.0	1324.2	1346.5	1422.3	1482.5	1536.0
37.5°	10651.9	9307.6	5852.1	2731.0	1747.8	1297.5	1255.1	1328.7	1373.3	1458.0	1484.8
40°	11017.5	9702.2	5910.0	2657.4	1689.9	1228.4	1228.4	1277.4	1337.6	1415.6	1469.2
42.5°	11251.6	9989.8	5952.4	2590.5	1578.4	1208.3	1197.2	1246.2	1326.5	1402.3	1426.8
44°	11394.3	10112.4	5910.0	2528.1	1547.2	1183.8	1183.8	1226.2	1288.6	1377.7	1406.7
45°	11430.0	10266.2	5816.4	2525.9	1509.3	1154.8	1150.4	1230.6	1273.0	1382.2	1400.0
47.5°	11568.2	10455.7	5827.6	2454.5	1417.9	1085.7	1163.7	1199.4	1237.3	1333.2	1393.4
50°	11563.7	10573.9	5803.0	2349.8	1351.0	1007.7	1137.0	1177.1	1215.0	1313.1	1337.6
52.5°	11594.9	11015.3	6028.2	2182.5	1230.6	907.4	1047.8	1137.0	1183.8	1266.3	1317.6
55°	11579.3	11267.2	6251.1	2057.7	1061.2	847.2	972.0	1076.8	1143.7	1230.6	1255.1
57.5°	10576.1	9958.6	5785.2	1823.6	878.4	775.8	865.0	1014.4	1099.1	1188.3	1219.5
60°	8641.0	7675.7	4770.8	1342.1	722.3	713.4	804.8	994.3	1030.0	1108.0	1161.5
62.5°	7985.6	6732.7	3783.2	1025.5	617.5	653.2	742.4	898.4	954.2	1050.0	1099.1
65°	6248.9	4472.1	2343.1	693.3	544.0	586.3	671.0	787.0	878.4	967.5	1025.5
67.5°	3700.7	2443.4	1159.3	486.0	474.9	519.4	606.4	693.3	798.1	896.2	925.2
70°	2015.3	1201.6	494.9	370.1	403.5	443.6	528.4	588.6	688.9	764.7	813.7
72.5°	646.5	365.6	247.5	274.2	307.7	354.5	405.7	479.3	550.7	595.2	635.4
75°	156.1	153.8	176.1	191.7	222.9	258.6	301.0	338.9	394.6	437.0	472.6
77.5°	109.2	118.2	136.0	158.3	169.4	182.8	209.6	238.5	263.1	294.3	316.6
80°	84.7	91.4	104.8	115.9	127.1	138.2	151.6	162.7	178.3	198.4	209.6
82.5°	80.3	84.7	98.1	104.8	100.3	98.1	107.0	111.5	113.7	120.4	127.1
85°	6.7	0.0	4.5	15.6	37.9	55.7	60.2	60.2	58.0	62.4	62.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.9	6.7
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°	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7
2.5°	6028.2	5952.4	5981.4	6017.1	5965.8	5847.6	5878.8	5865.5	5985.8	5976.9	6097.3
5°	5054.0	4935.8	4949.2	5123.1	5067.3	5127.5	5007.2	4991.5	5013.8	5025.0	5045.1
7.5°	3867.9	3852.3	3986.1	4133.2	4202.4	4131.0	4012.9	3986.1	3961.6	3912.5	4024.0
10°	3156.8	3161.2	3152.3	3263.8	3341.8	3326.2	3254.9	3246.0	3199.1	3181.3	3243.7
12.5°	2817.9	2757.7	2728.7	2693.1	2753.3	2793.4	2762.2	2739.9	2742.1	2764.4	2773.3
15°	2490.2	2452.3	2389.9	2349.8	2378.7	2358.7	2347.5	2392.1	2381.0	2376.5	2430.0
17.5°	2122.4	2153.6	2149.1	2104.5	2142.4	2126.8	2124.6	2093.4	2051.0	2019.8	2037.6
20°	1879.4	1937.3	1981.9	1984.1	2004.2	2002.0	1968.5	1872.7	1841.5	1834.8	1839.2
22.5°	1792.4	1823.6	1877.1	1952.9	1952.9	1917.3	1877.1	1765.7	1736.7	1705.5	1692.1
25°	1723.3	1783.5	1852.6	1861.5	1897.2	1863.7	1799.1	1743.4	1683.2	1640.8	1640.8
27.5°	1687.6	1754.5	1805.8	1821.4	1870.4	1843.7	1776.8	1705.5	1634.1	1631.9	1594.0
30°	1672.0	1734.4	1767.9	1805.8	1828.1	1785.7	1765.7	1689.9	1618.5	1600.7	1538.3
32.5°	1625.2	1714.4	1776.8	1767.9	1785.7	1767.9	1738.9	1676.5	1596.2	1556.1	1549.4
35°	1571.7	1660.9	1727.8	1774.6	1785.7	1747.8	1730.0	1645.3	1536.0	1516.0	1446.9
37.5°	1542.7	1596.2	1678.7	1754.5	1770.1	1750.1	1689.9	1602.9	1493.7	1471.4	1411.2
40°	1507.1	1576.2	1640.8	1703.2	1750.1	1701.0	1631.9	1547.2	1498.1	1431.3	1413.4
42.5°	1480.3	1558.3	1611.8	1680.9	1734.4	1669.8	1589.5	1531.6	1462.5	1417.9	1366.6
44°	1471.4	1542.7	1578.4	1663.1	1707.7	1658.6	1591.8	1531.6	1451.3	1411.2	1366.6
45°	1440.2	1538.3	1576.2	1652.0	1689.9	1649.7	1565.0	1504.8	1446.9	1397.8	1351.0
47.5°	1409.0	1475.8	1540.5	1600.7	1627.4	1614.1	1542.7	1469.2	1400.0	1371.1	1326.5
50°	1400.0	1466.9	1527.1	1582.8	1614.1	1587.3	1522.7	1451.3	1371.1	1324.2	1286.3
52.5°	1355.5	1437.9	1504.8	1522.7	1562.8	1547.2	1498.1	1420.1	1344.3	1304.2	1273.0
55°	1290.8	1377.7	1469.2	1491.4	1549.4	1524.9	1451.3	1377.7	1313.1	1252.9	1212.8
57.5°	1266.3	1351.0	1440.2	1469.2	1504.8	1464.7	1446.9	1368.8	1266.3	1235.1	1172.6
60°	1203.9	1310.9	1384.4	1451.3	1453.5	1442.4	1411.2	1322.0	1237.3	1179.3	1134.7
62.5°	1154.8	1255.1	1313.1	1375.5	1413.4	1382.2	1351.0	1268.5	1177.1	1112.5	1061.2
65°	1083.5	1174.9	1223.9	1261.8	1304.2	1299.7	1246.2	1186.0	1090.2	1038.9	989.8
67.5°	974.2	1054.5	1121.4	1157.0	1183.8	1177.1	1137.0	1094.6	996.5	945.3	909.6
70°	842.7	925.2	967.5	987.6	1014.4	1027.7	996.5	976.5	889.5	822.6	789.2
72.5°	677.7	731.2	793.7	811.5	822.6	831.6	831.6	813.7	724.5	697.8	639.8
75°	499.4	541.7	588.6	588.6	608.6	610.8	615.3	604.2	537.3	501.6	488.2
77.5°	338.9	370.1	408.0	423.6	437.0	434.7	432.5	401.3	365.6	350.0	336.6
80°	220.7	251.9	269.8	289.8	303.2	301.0	305.4	283.1	267.5	240.8	245.2
82.5°	131.5	156.1	173.9	198.4	198.4	205.1	205.1	198.4	182.8	169.4	169.4
85°	62.4	82.5	93.6	109.2	118.2	120.4	107.0	91.4	75.8	69.1	75.8
87.5°	11.1	15.6	22.3	20.1	24.5	22.3	22.3	22.3	22.3	17.8	20.1
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: P529120

CATALOG NUMBER: GALN-SA4B-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7	6810.7
2.5°	6052.7	6164.2	6242.2	6371.5	6594.5	6772.8	6955.6	7091.6	7107.2	7147.3
5°	5118.6	5178.8	5377.2	5635.8	5818.6	6119.6	6313.6	6665.8	6797.3	6937.8
7.5°	3997.3	4095.3	4360.6	4534.5	4935.8	5312.6	5702.7	6137.4	6311.3	6331.4
10°	3370.8	3513.5	3694.1	3972.7	4191.2	4610.3	5096.3	5580.1	5774.1	5807.5
12.5°	2960.6	3143.4	3384.2	3584.8	3794.4	4160.0	4625.9	5223.4	5475.3	5626.9
15°	2566.0	2755.5	3020.8	3299.5	3484.5	3921.5	4469.9	5143.1	5470.9	5604.6
17.5°	2160.3	2336.4	2554.9	2855.8	3228.1	3718.6	4445.4	5410.7	5769.6	5925.7
20°	1812.5	1910.6	2164.7	2474.6	2940.5	3511.2	4454.3	5805.3	6331.4	6400.5
22.5°	1676.5	1698.8	1799.1	2084.5	2595.0	3299.5	4612.6	6364.8	6962.3	7189.7
25°	1571.7	1567.2	1594.0	1785.7	2343.1	3217.0	4768.6	6879.8	7662.3	7909.8
27.5°	1513.7	1469.2	1471.4	1652.0	2164.7	3083.2	4969.3	7470.6	8456.0	8565.2
30°	1484.8	1475.8	1449.1	1522.7	1970.8	2882.6	5002.7	8052.5	8924.1	9082.4
32.5°	1466.9	1380.0	1346.5	1373.3	1788.0	2664.1	5127.5	8435.9	9503.8	9434.7
35°	1377.7	1299.7	1277.4	1304.2	1658.6	2541.5	5045.1	8770.3	9938.5	10054.4
37.5°	1344.3	1275.2	1230.6	1208.3	1538.3	2438.9	5002.7	9285.3	10359.9	10638.5
40°	1313.1	1239.5	1186.0	1163.7	1444.6	2302.9	4989.3	9682.1	10845.9	11013.1
42.5°	1277.4	1230.6	1170.4	1130.3	1330.9	2166.9	4835.5	9804.7	10995.2	11175.8
44°	1266.3	1194.9	1132.5	1119.1	1286.3	2097.8	4804.3	9916.2	11124.5	11398.7
45°	1255.1	1188.3	1116.9	1099.1	1270.7	2059.9	4761.9	9943.0	11338.5	11389.8
47.5°	1223.9	1181.6	1112.5	1063.4	1237.3	1977.4	4634.8	9791.4	11120.1	11129.0
50°	1199.4	1150.4	1079.0	983.1	1192.7	1908.3	4692.8	9735.6	10593.9	10614.0
52.5°	1172.6	1099.1	1058.9	894.0	1119.1	1850.4	4815.4	9987.6	10654.1	10649.7
55°	1141.4	1061.2	963.1	818.2	996.5	1776.8	5111.9	10484.7	11211.5	11287.3
57.5°	1092.4	1023.3	882.8	751.3	856.1	1636.4	5016.1	9532.8	10315.3	10328.6
60°	1027.7	963.1	800.3	700.0	702.2	1290.8	4485.5	7428.2	8139.4	8333.4
62.5°	965.3	929.6	731.2	626.5	597.5	1027.7	3792.1	6173.1	6986.8	7147.3
65°	891.7	804.8	671.0	570.7	512.8	720.1	2686.4	4612.6	5450.8	5667.0
67.5°	798.1	704.5	590.8	501.6	439.2	481.5	1386.7	2621.7	3471.1	3598.2
70°	697.8	610.8	497.1	423.6	354.5	332.2	610.8	1250.7	1897.2	2028.7
72.5°	572.9	492.7	396.8	334.4	265.3	229.6	205.1	334.4	673.3	782.5
75°	414.7	358.9	298.7	238.5	187.3	147.1	120.4	100.3	111.5	120.4
77.5°	305.4	260.8	220.7	169.4	131.5	104.8	82.5	62.4	60.2	58.0
80°	238.5	211.8	176.1	136.0	102.6	78.0	58.0	42.4	37.9	37.9
82.5°	187.3	173.9	144.9	111.5	84.7	62.4	42.4	29.0	24.5	24.5
85°	71.3	71.3	104.8	91.4	64.7	44.6	29.0	15.6	13.4	13.4
87.5°	17.8	17.8	17.8	17.8	15.6	13.4	13.4	6.7	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)