

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: P528418

Luminaire Tested: **GALN-SA3C-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528418  
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-730-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 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: 14235 lumens  
Efficiency: N/A  
Efficacy: 89.0 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

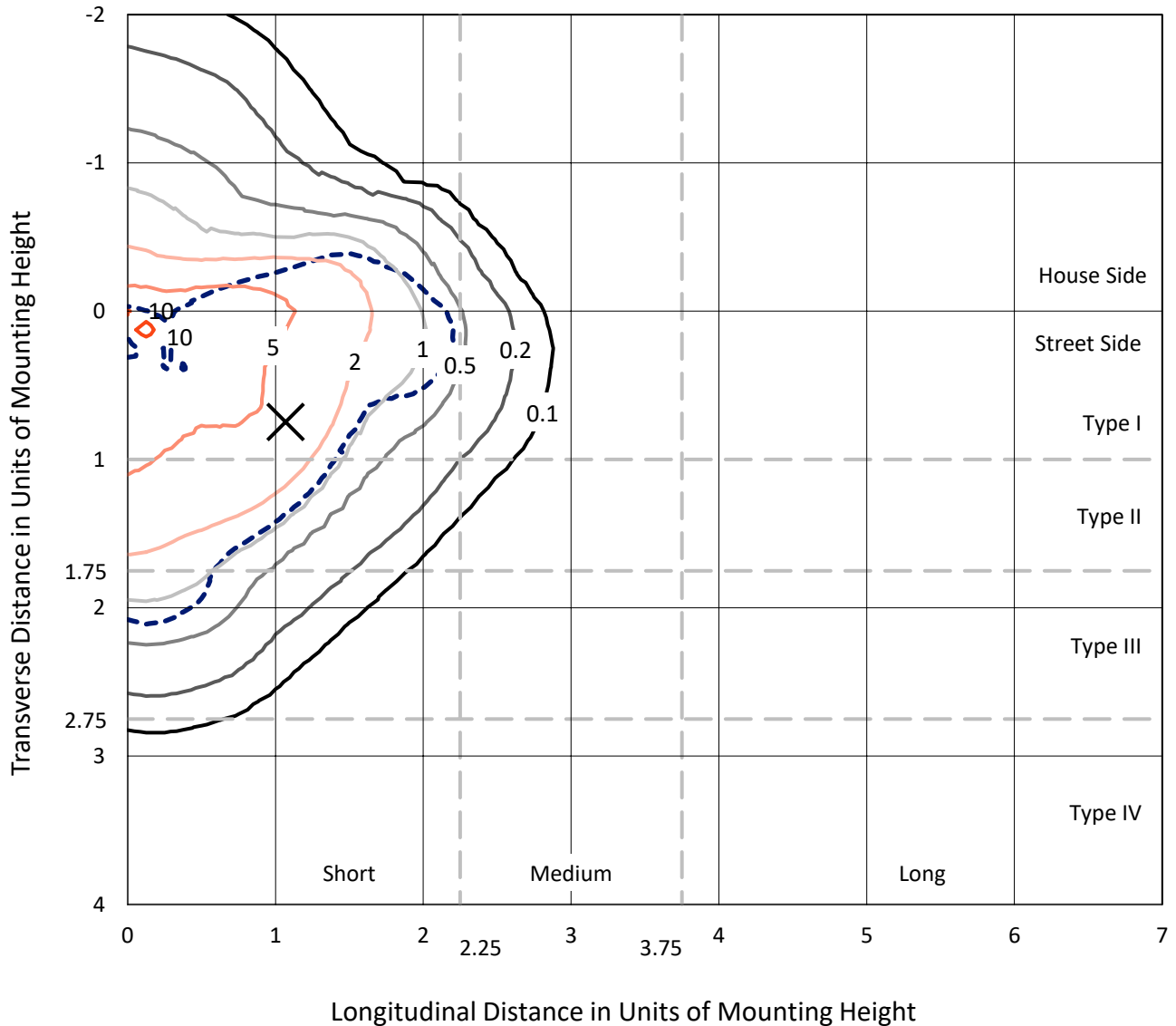




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### Iso-Footcandle Lines of Horizontal Illumination

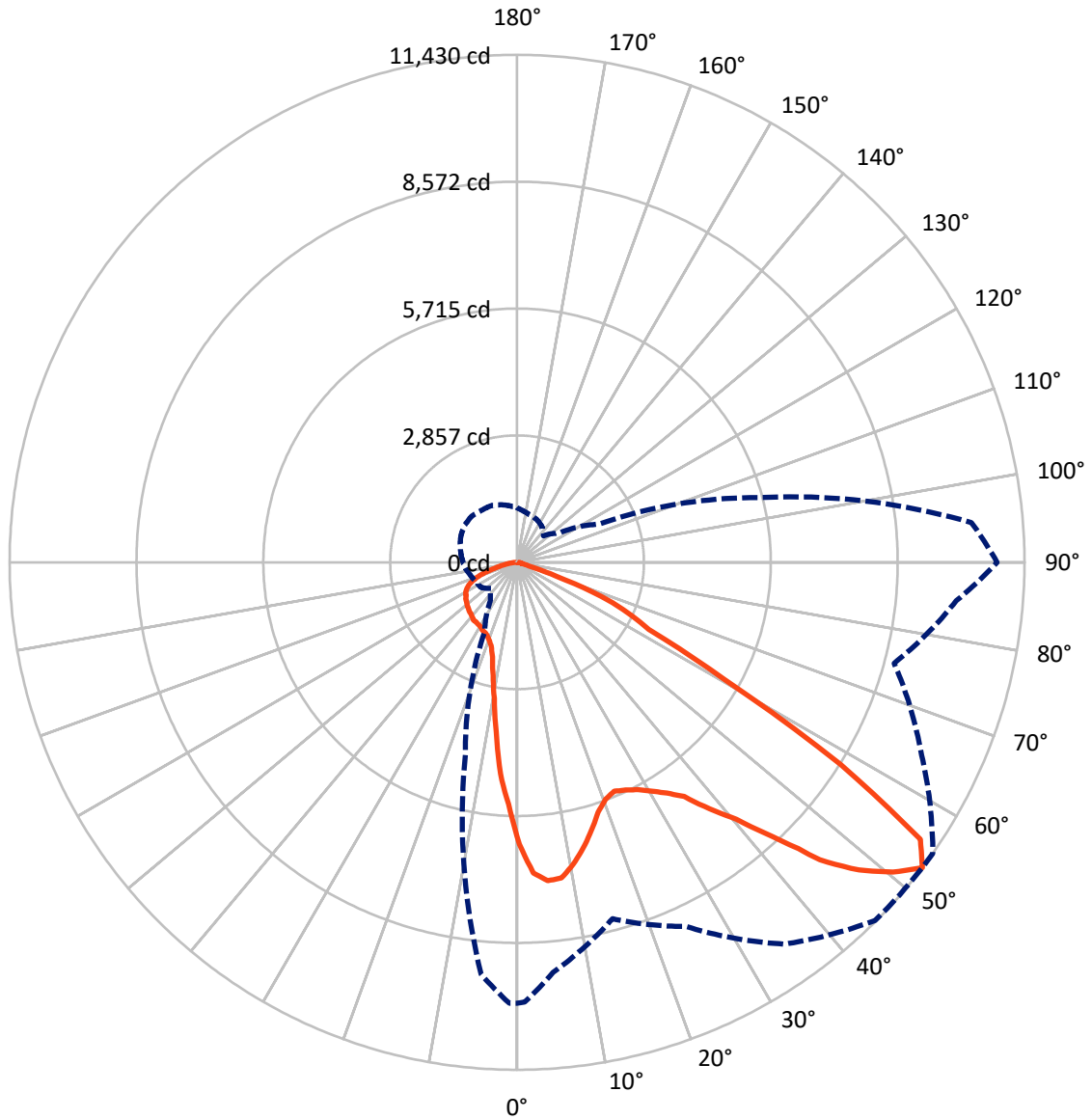
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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
<b>House Side</b>	Lumens	4342.5	0.0	4342.5
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	9892.6	0.0	9892.6
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	14235.0	0.0	14235.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	485.1	3.4
10°-20°	1046.0	7.3
20°-30°	1586.1	11.1
30°-40°	2291.6	16.1
40°-50°	3062.2	21.5
50°-60°	3418.1	24.0
60°-70°	1875.0	13.2
70°-80°	405.4	2.8
80°-90°	65.6	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°	14235.0	100.0
0°-180°	14235.0	100.0

**Coefficient of Utilization**



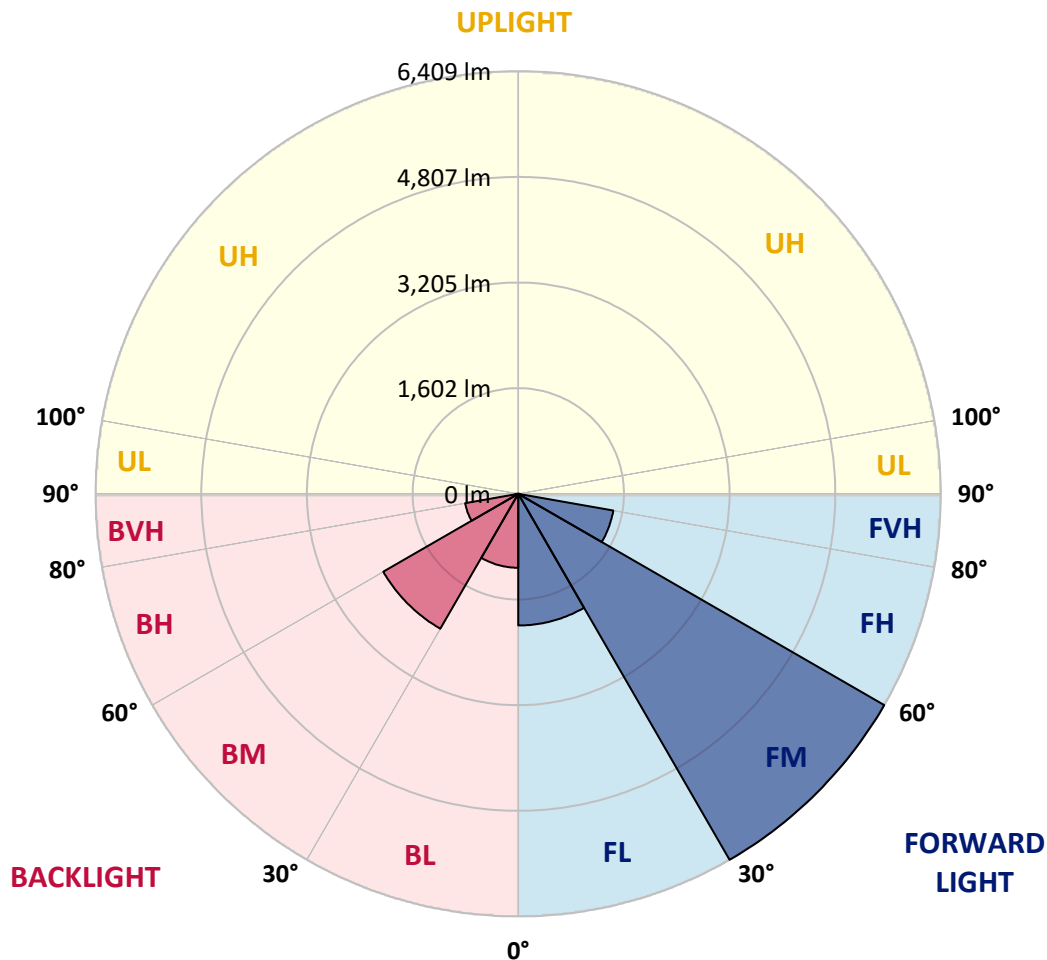
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1996.0	14.0			
FM (30°-60°)	6409.3	45.0			
FH (60°-80°)	1463.0	10.3			G1/1800
FVH (80°-90°)	24.3	0.2			G1/100
BL (0°-30°)	1121.2	7.9	B3/2500		
BM (30°-60°)	2362.6	16.6	B2/2500		
BH (60°-80°)	817.4	5.7	B2/1000		G2/1000
BVH (80°-90°)	41.3	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°	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9
2.5°	6663.8	6626.4	6659.6	6817.6	6909.0	6971.4	7010.9	7004.6	6855.0	6709.5	6709.5
5°	6468.4	6420.6	6489.2	6846.7	7206.3	7237.4	7289.4	7204.2	6983.9	6717.8	6385.2
7.5°	5903.0	5938.4	6052.7	6522.4	6990.1	7225.0	7287.3	7179.2	6821.7	6325.0	5836.5
10°	5414.6	5497.7	5761.7	6268.8	6699.1	7004.6	7073.2	6921.5	6638.8	6029.8	5593.3
12.5°	5246.2	5194.2	5487.3	5994.5	6406.0	6570.2	6601.4	6611.8	6420.6	5880.2	5348.1
15°	5225.4	5258.7	5487.3	5871.8	6125.4	6133.7	6185.7	6266.8	6291.7	5982.0	5462.4
17.5°	5524.7	5485.2	5720.1	6025.7	5905.1	5784.6	5797.0	5913.4	6119.2	6069.3	5822.0
20°	5967.5	6056.8	6241.8	6210.6	5886.4	5580.9	5582.9	5693.1	6098.4	6431.0	6322.9
22.5°	6703.3	6790.6	6927.7	6551.5	5886.4	5520.6	5449.9	5599.6	6231.4	6861.2	6888.3
25°	7374.6	7534.7	7572.1	7129.4	6181.6	5576.7	5531.0	5678.5	6364.5	7281.1	7536.8
27.5°	7985.7	8043.9	8208.1	7501.4	6345.8	5614.1	5610.0	5799.1	6532.8	7491.0	8116.7
30°	8467.9	8461.7	8555.2	7736.3	6607.6	5824.0	5622.4	5979.9	6753.1	7838.1	8652.9
32.5°	8796.3	8867.0	9064.5	8062.6	6717.8	6023.6	5865.6	6191.9	7021.3	8002.3	9031.2
35°	9374.2	9496.8	9247.4	8243.5	7067.0	6221.0	6036.1	6480.9	7154.3	8181.1	9494.7
37.5°	9918.7	9825.2	9571.6	8341.1	7293.6	6586.9	6414.3	7040.0	7567.9	8569.8	9802.4
40°	10267.9	10265.9	9814.8	8420.1	7453.6	7146.0	7135.6	7607.4	8075.1	8815.0	10147.4
42.5°	10419.7	10565.2	9914.6	8411.8	7790.3	7823.6	8033.5	8455.5	8434.7	8864.9	10139.1
44°	10627.5	10714.8	10087.1	8430.5	8014.8	8280.9	8775.6	9043.7	8748.5	8837.9	10128.7
45°	10619.2	10625.4	9841.8	8455.5	8206.0	8663.3	9106.0	9559.2	9025.0	8779.7	10265.9
47.5°	10376.0	10305.4	9634.0	8270.5	8802.6	9673.5	10083.0	10357.3	9365.9	8655.0	10095.4
50°	9895.9	9814.8	9128.9	8191.5	8927.3	10301.2	10866.6	10966.3	9675.6	8532.4	9927.1
52.5°	9929.1	9906.3	9272.3	8310.0	9052.0	10498.7	11404.9	11429.8	10026.8	8790.1	9929.1
55°	10523.6	10444.6	9683.9	8457.5	8960.5	10267.9	11061.9	11018.3	9908.4	8634.2	10112.1
57.5°	9629.8	9681.8	9114.4	7873.5	7842.3	8347.4	8696.6	8588.5	8268.4	7792.4	9407.4
60°	7769.5	7917.1	7971.2	6584.8	5917.6	5657.8	5553.8	5362.6	5416.7	6401.9	8264.2
62.5°	6663.8	6655.5	6994.3	5969.5	3876.5	3334.0	3284.1	3327.7	3951.3	6302.1	8093.8
65°	5283.6	5425.0	5528.9	5059.1	3067.9	2475.5	2473.5	2749.9	3419.2	5267.0	6534.9
67.5°	3354.7	3539.7	3668.6	3236.3	2051.5	1762.6	1714.8	2047.4	2369.5	3454.5	3934.7
70°	1891.5	1978.8	2037.0	1866.5	1305.3	914.6	860.5	939.5	1432.1	2236.5	2332.1
72.5°	729.6	769.1	848.0	854.3	492.6	295.2	239.0	286.8	602.8	885.5	843.9
75°	112.2	120.6	170.4	203.7	141.3	108.1	114.3	118.5	168.4	228.6	191.2
77.5°	54.0	54.0	52.0	60.3	70.7	76.9	83.1	91.5	99.8	110.2	106.0
80°	35.3	35.3	35.3	41.6	52.0	62.4	70.7	74.8	79.0	87.3	83.1
82.5°	22.9	22.9	22.9	31.2	41.6	52.0	56.1	66.5	74.8	87.3	81.1
85°	12.5	12.5	12.5	20.8	31.2	43.6	41.6	33.3	18.7	2.1	4.2
87.5°	4.2	4.2	4.2	4.2	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9
2.5°	6534.9	6439.3	6431.0	6235.6	6061.0	5975.8	5907.2	5716.0	5757.5	5647.4	5645.3
5°	6219.0	6023.6	5707.6	5447.8	5188.0	5136.0	4909.5	4712.0	4718.3	4576.9	4601.9
7.5°	5651.5	5516.4	5131.9	4724.5	4379.5	4134.2	3920.1	3791.2	3627.0	3570.9	3541.8
10°	5291.9	5125.7	4693.3	4182.0	3795.4	3664.4	3458.7	3344.4	3176.0	3092.9	3034.7
12.5°	5134.0	4890.8	4350.4	3830.7	3573.0	3437.9	3263.3	3055.4	2855.9	2779.0	2673.0
15°	5150.6	4859.6	4250.6	3689.4	3379.7	3117.8	2961.9	2731.2	2527.5	2392.4	2315.5
17.5°	5402.1	5048.8	4296.3	3581.3	3136.5	2808.1	2502.6	2253.1	2091.0	1989.2	1964.2
20°	5996.6	5516.4	4373.2	3406.7	2893.3	2483.8	2107.6	1847.8	1723.1	1721.0	1723.1
22.5°	6491.3	6015.3	4529.1	3302.8	2650.1	2068.1	1694.0	1610.9	1585.9	1637.9	1644.1
25°	7158.5	6576.5	4797.2	3248.7	2425.6	1762.6	1531.9	1500.7	1498.6	1565.1	1567.2
27.5°	7842.3	7067.0	4957.3	3090.8	2197.0	1604.6	1434.2	1428.0	1461.2	1531.9	1525.6
30°	8307.9	7478.6	5246.2	2901.6	1926.8	1465.4	1394.7	1403.0	1448.7	1502.8	1511.1
32.5°	8850.4	7883.9	5321.0	2797.7	1760.5	1349.0	1299.1	1317.8	1376.0	1461.2	1506.9
35°	9471.9	8170.7	5435.4	2656.4	1698.2	1259.6	1234.6	1255.4	1326.1	1382.2	1432.1
37.5°	9931.2	8677.9	5456.1	2546.2	1629.6	1209.7	1170.2	1238.8	1280.4	1359.4	1384.3
40°	10272.1	9045.8	5510.2	2477.6	1575.5	1145.3	1145.3	1191.0	1247.1	1319.9	1369.8
42.5°	10490.3	9313.9	5549.7	2415.3	1471.6	1126.6	1116.2	1161.9	1236.7	1307.4	1330.3
44°	10623.4	9428.2	5510.2	2357.1	1442.5	1103.7	1103.7	1143.2	1201.4	1284.5	1311.6
45°	10656.6	9571.6	5422.9	2355.0	1407.2	1076.7	1072.5	1147.3	1186.8	1288.7	1305.3
47.5°	10785.5	9748.3	5433.3	2288.5	1321.9	1012.2	1085.0	1118.2	1153.6	1243.0	1299.1
50°	10781.3	9858.5	5410.4	2190.8	1259.6	939.5	1060.1	1097.5	1132.8	1224.3	1247.1
52.5°	10810.4	10270.0	5620.3	2034.9	1147.3	846.0	976.9	1060.1	1103.7	1180.6	1228.4
55°	10795.9	10504.9	5828.2	1918.5	989.4	789.8	906.2	1003.9	1066.3	1147.3	1170.2
57.5°	9860.5	9284.8	5393.8	1700.2	818.9	723.3	806.5	945.7	1024.7	1107.9	1137.0
60°	8056.4	7156.4	4448.1	1251.3	673.4	665.1	750.3	927.0	960.3	1033.0	1082.9
62.5°	7445.3	6277.2	3527.3	956.1	575.8	609.0	692.2	837.6	889.6	979.0	1024.7
65°	5826.1	4169.5	2184.5	646.4	507.2	546.7	625.6	733.7	818.9	902.1	956.1
67.5°	3450.4	2278.1	1080.8	453.1	442.7	484.3	565.4	646.4	744.1	835.6	862.6
70°	1879.0	1120.3	461.4	345.0	376.2	413.6	492.6	548.7	642.3	712.9	758.7
72.5°	602.8	340.9	230.7	255.7	286.8	330.5	378.3	446.9	513.4	555.0	592.4
75°	145.5	143.4	164.2	178.8	207.9	241.1	280.6	315.9	367.9	407.4	440.6
77.5°	101.8	110.2	126.8	147.6	158.0	170.4	195.4	222.4	245.3	274.4	295.2
80°	79.0	85.2	97.7	108.1	118.5	128.9	141.3	151.7	166.3	185.0	195.4
82.5°	74.8	79.0	91.5	97.7	93.5	91.5	99.8	103.9	106.0	112.2	118.5
85°	6.2	0.0	4.2	14.5	35.3	52.0	56.1	56.1	54.0	58.2	58.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	8.3	6.2
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°	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9
2.5°	5620.3	5549.7	5576.7	5610.0	5562.1	5452.0	5481.1	5468.6	5580.9	5572.5	5684.8
5°	4712.0	4601.9	4614.3	4776.5	4724.5	4780.6	4668.4	4653.8	4674.6	4685.0	4703.7
7.5°	3606.3	3591.7	3716.4	3853.6	3918.0	3851.5	3741.4	3716.4	3693.5	3647.8	3751.7
10°	2943.2	2947.4	2939.0	3043.0	3115.7	3101.2	3034.7	3026.3	2982.7	2966.1	3024.3
12.5°	2627.3	2571.1	2544.1	2510.9	2567.0	2604.4	2575.3	2554.5	2556.6	2577.4	2585.7
15°	2321.7	2286.4	2228.2	2190.8	2217.8	2199.1	2188.7	2230.3	2219.9	2215.7	2265.6
17.5°	1978.8	2007.9	2003.7	1962.1	1997.5	1982.9	1980.8	1951.7	1912.2	1883.1	1899.8
20°	1752.2	1806.2	1847.8	1849.9	1868.6	1866.5	1835.3	1746.0	1716.9	1710.6	1714.8
22.5°	1671.1	1700.2	1750.1	1820.8	1820.8	1787.5	1750.1	1646.2	1619.2	1590.1	1577.6
25°	1606.7	1662.8	1727.3	1735.6	1768.8	1737.7	1677.4	1625.4	1569.3	1529.8	1529.8
27.5°	1573.4	1635.8	1683.6	1698.2	1743.9	1718.9	1656.6	1590.1	1523.6	1521.5	1486.1
30°	1558.9	1617.1	1648.3	1683.6	1704.4	1664.9	1646.2	1575.5	1509.0	1492.4	1434.2
32.5°	1515.2	1598.4	1656.6	1648.3	1664.9	1648.3	1621.3	1563.1	1488.2	1450.8	1444.6
35°	1465.4	1548.5	1610.9	1654.5	1664.9	1629.6	1612.9	1534.0	1432.1	1413.4	1349.0
37.5°	1438.3	1488.2	1565.1	1635.8	1650.4	1631.6	1575.5	1494.5	1392.6	1371.8	1315.7
40°	1405.1	1469.5	1529.8	1588.0	1631.6	1585.9	1521.5	1442.5	1396.8	1334.4	1317.8
42.5°	1380.1	1452.9	1502.8	1567.2	1617.1	1556.8	1482.0	1428.0	1363.5	1321.9	1274.1
44°	1371.8	1438.3	1471.6	1550.6	1592.2	1546.4	1484.1	1428.0	1353.1	1315.7	1274.1
45°	1342.7	1434.2	1469.5	1540.2	1575.5	1538.1	1459.1	1403.0	1349.0	1303.2	1259.6
47.5°	1313.6	1376.0	1436.3	1492.4	1517.3	1504.9	1438.3	1369.8	1305.3	1278.3	1236.7
50°	1305.3	1367.7	1423.8	1475.8	1504.9	1479.9	1419.6	1353.1	1278.3	1234.6	1199.3
52.5°	1263.7	1340.7	1403.0	1419.6	1457.0	1442.5	1396.8	1324.0	1253.4	1215.9	1186.8
55°	1203.5	1284.5	1369.8	1390.5	1444.6	1421.7	1353.1	1284.5	1224.3	1168.1	1130.7
57.5°	1180.6	1259.6	1342.7	1369.8	1403.0	1365.6	1349.0	1276.2	1180.6	1151.5	1093.3
60°	1122.4	1222.2	1290.8	1353.1	1355.2	1344.8	1315.7	1232.6	1153.6	1099.5	1058.0
62.5°	1076.7	1170.2	1224.3	1282.5	1317.8	1288.7	1259.6	1182.7	1097.5	1037.2	989.4
65°	1010.2	1095.4	1141.1	1176.4	1215.9	1211.8	1161.9	1105.8	1016.4	968.6	922.9
67.5°	908.3	983.1	1045.5	1078.8	1103.7	1097.5	1060.1	1020.6	929.1	881.3	848.0
70°	785.7	862.6	902.1	920.8	945.7	958.2	929.1	910.4	829.3	767.0	735.8
72.5°	631.9	681.8	740.0	756.6	767.0	775.3	775.3	758.7	675.5	650.6	596.5
75°	465.6	505.1	548.7	548.7	567.4	569.5	573.7	563.3	500.9	467.7	455.2
77.5°	315.9	345.0	380.4	394.9	407.4	405.3	403.2	374.1	340.9	326.3	313.9
80°	205.8	234.9	251.5	270.2	282.7	280.6	284.8	264.0	249.4	224.5	228.6
82.5°	122.6	145.5	162.1	185.0	185.0	191.2	191.2	185.0	170.4	158.0	158.0
85°	58.2	76.9	87.3	101.8	110.2	112.2	99.8	85.2	70.7	64.4	70.7
87.5°	10.4	14.5	20.8	18.7	22.9	20.8	20.8	20.8	20.8	16.6	18.7
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: P528418

CATALOG NUMBER: GALN-SA3C-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9	6349.9
2.5°	5643.2	5747.1	5819.9	5940.4	6148.3	6314.6	6485.0	6611.8	6626.4	6663.8
5°	4772.3	4828.4	5013.4	5254.5	5425.0	5705.6	5886.4	6214.8	6337.4	6468.4
7.5°	3726.8	3818.3	4065.6	4227.7	4601.9	4953.1	5316.9	5722.2	5884.3	5903.0
10°	3142.7	3275.8	3444.1	3703.9	3907.6	4298.4	4751.5	5202.6	5383.4	5414.6
12.5°	2760.3	2930.7	3155.2	3342.3	3537.7	3878.5	4313.0	4870.0	5104.9	5246.2
15°	2392.4	2569.1	2816.4	3076.2	3248.7	3656.1	4167.5	4795.2	5100.7	5225.4
17.5°	2014.1	2178.3	2382.0	2662.6	3009.7	3467.0	4144.6	5044.6	5379.2	5524.7
20°	1689.8	1781.3	2018.3	2307.2	2741.6	3273.7	4152.9	5412.5	5903.0	5967.5
22.5°	1563.1	1583.8	1677.4	1943.4	2419.4	3076.2	4300.5	5934.2	6491.3	6703.3
25°	1465.4	1461.2	1486.1	1664.9	2184.5	2999.3	4446.0	6414.3	7143.9	7374.6
27.5°	1411.3	1369.8	1371.8	1540.2	2018.3	2874.6	4633.0	6965.2	7883.9	7985.7
30°	1384.3	1376.0	1351.0	1419.6	1837.4	2687.5	4664.2	7507.7	8320.4	8467.9
32.5°	1367.7	1286.6	1255.4	1280.4	1667.0	2483.8	4780.6	7865.2	8860.8	8796.3
35°	1284.5	1211.8	1191.0	1215.9	1546.4	2369.5	4703.7	8176.9	9266.1	9374.2
37.5°	1253.4	1188.9	1147.3	1126.6	1434.2	2273.9	4664.2	8657.1	9658.9	9918.7
40°	1224.3	1155.7	1105.8	1085.0	1346.9	2147.1	4651.8	9027.1	10112.1	10267.9
42.5°	1191.0	1147.3	1091.2	1053.8	1240.9	2020.3	4508.3	9141.4	10251.3	10419.7
44°	1180.6	1114.1	1055.9	1043.4	1199.3	1955.9	4479.2	9245.3	10371.9	10627.5
45°	1170.2	1107.9	1041.3	1024.7	1184.8	1920.6	4439.7	9270.2	10571.4	10619.2
47.5°	1141.1	1101.6	1037.2	991.5	1153.6	1843.7	4321.3	9128.9	10367.7	10376.0
50°	1118.2	1072.5	1006.0	916.6	1112.0	1779.2	4375.3	9076.9	9877.2	9895.9
52.5°	1093.3	1024.7	987.3	833.5	1043.4	1725.2	4489.6	9311.8	9933.3	9929.1
55°	1064.2	989.4	897.9	762.8	929.1	1656.6	4766.1	9775.3	10452.9	10523.6
57.5°	1018.5	954.0	823.1	700.5	798.2	1525.6	4676.7	8887.8	9617.4	9629.8
60°	958.2	897.9	746.2	652.7	654.7	1203.5	4182.0	6925.7	7588.7	7769.5
62.5°	900.0	866.7	681.8	584.1	557.0	958.2	3535.6	5755.5	6514.1	6663.8
65°	831.4	750.3	625.6	532.1	478.1	671.4	2504.6	4300.5	5082.0	5283.6
67.5°	744.1	656.8	550.8	467.7	409.5	449.0	1292.8	2444.4	3236.3	3354.7
70°	650.6	569.5	463.5	394.9	330.5	309.7	569.5	1166.1	1768.8	1891.5
72.5°	534.2	459.4	370.0	311.8	247.3	214.1	191.2	311.8	627.7	729.6
75°	386.6	334.6	278.5	222.4	174.6	137.2	112.2	93.5	103.9	112.2
77.5°	284.8	243.2	205.8	158.0	122.6	97.7	76.9	58.2	56.1	54.0
80°	222.4	197.5	164.2	126.8	95.6	72.7	54.0	39.5	35.3	35.3
82.5°	174.6	162.1	135.1	103.9	79.0	58.2	39.5	27.0	22.9	22.9
85°	66.5	66.5	97.7	85.2	60.3	41.6	27.0	14.5	12.5	12.5
87.5°	16.6	16.6	16.6	16.6	14.5	12.5	12.5	6.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)