

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: P526701

Luminaire Tested: **GALN-SA1C-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3125 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

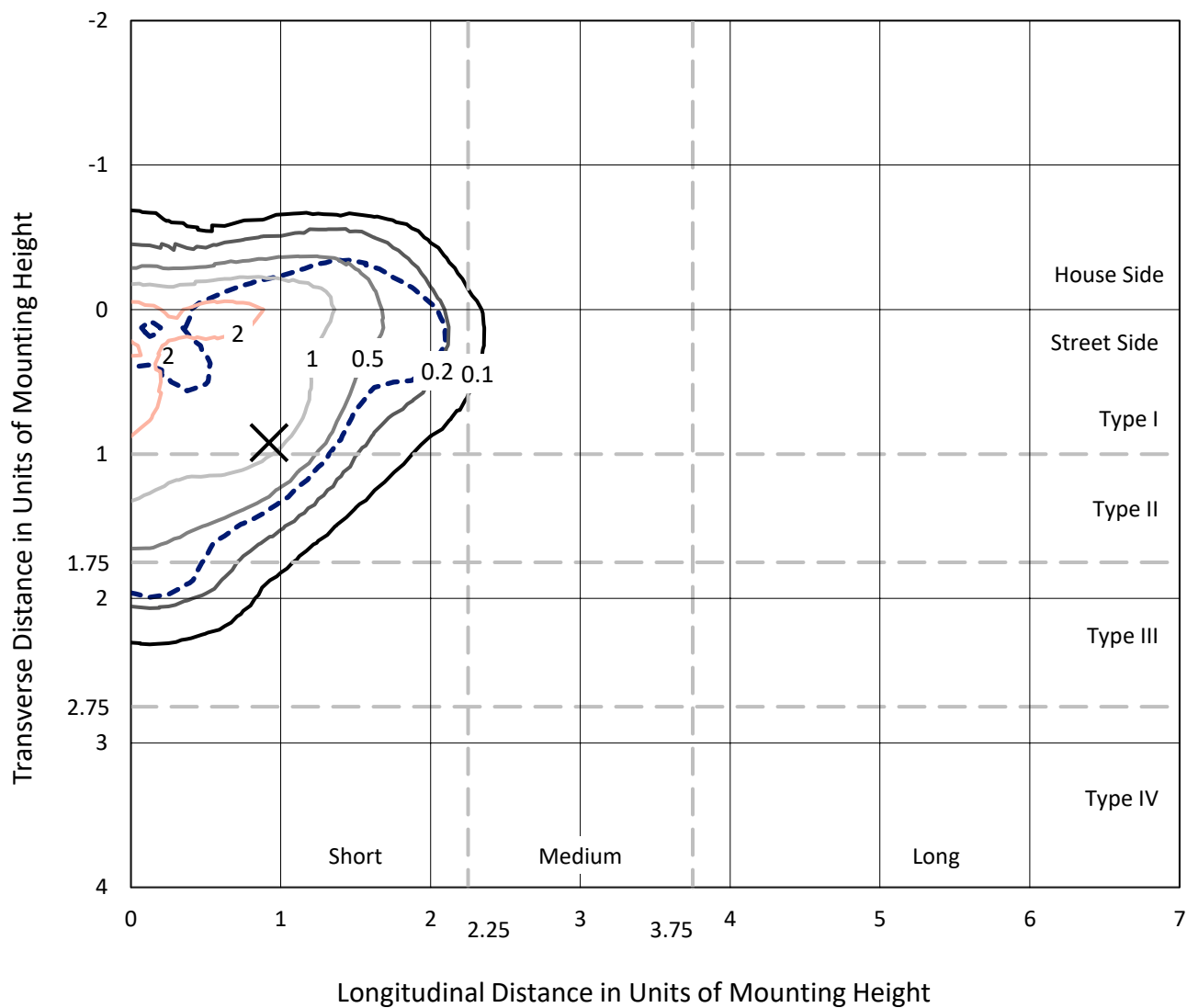
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526701
 CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

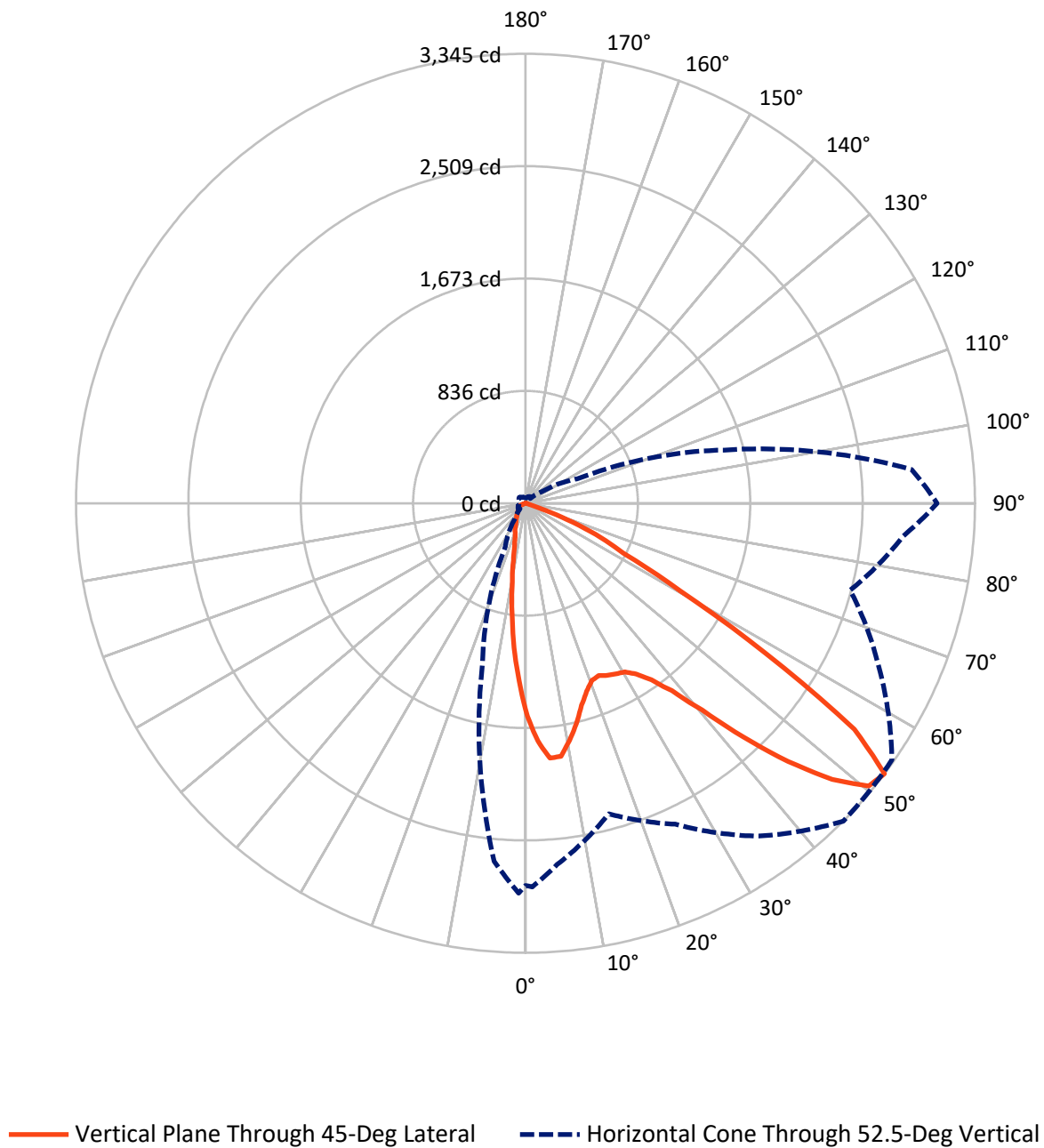
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - N/A

REPORT NUMBER: P526701
CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526701

CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSBK

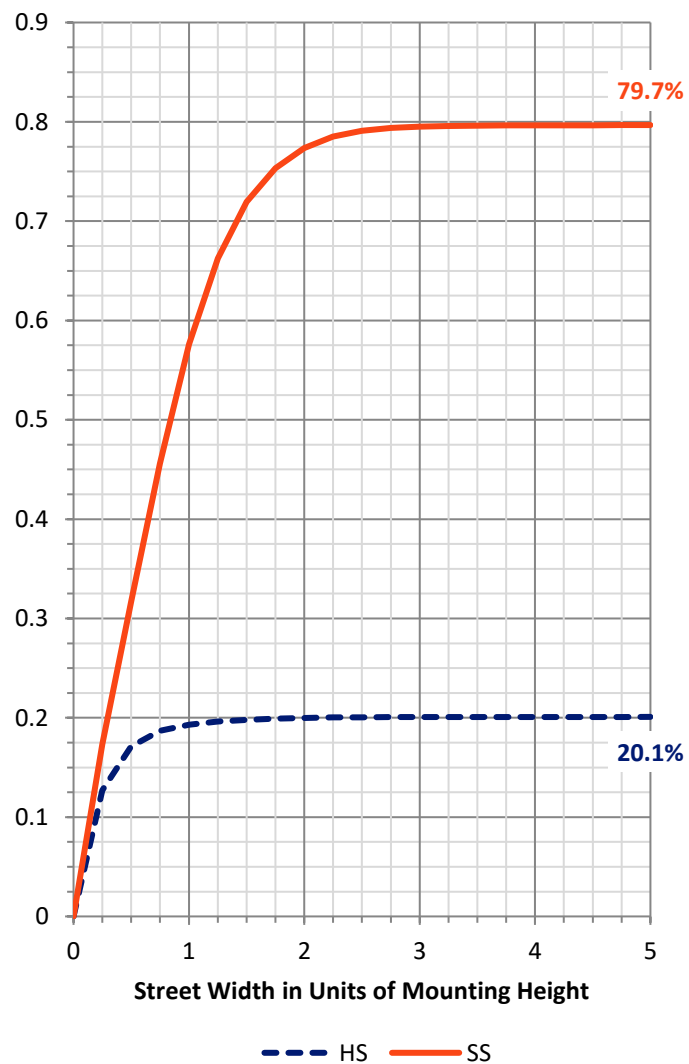
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	634.2	0.0	634.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2490.8	0.0	2490.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	3125.0	0.0	3125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	3.7
10°-20°	228.0	7.3
20°-30°	347.0	11.1
30°-40°	518.6	16.6
40°-50°	738.5	23.6
50°-60°	793.9	25.4
60°-70°	351.8	11.3
70°-80°	28.5	0.9
80°-90°	3.3	0.1
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°	3125.0	100.0
0°-180°	3125.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526701

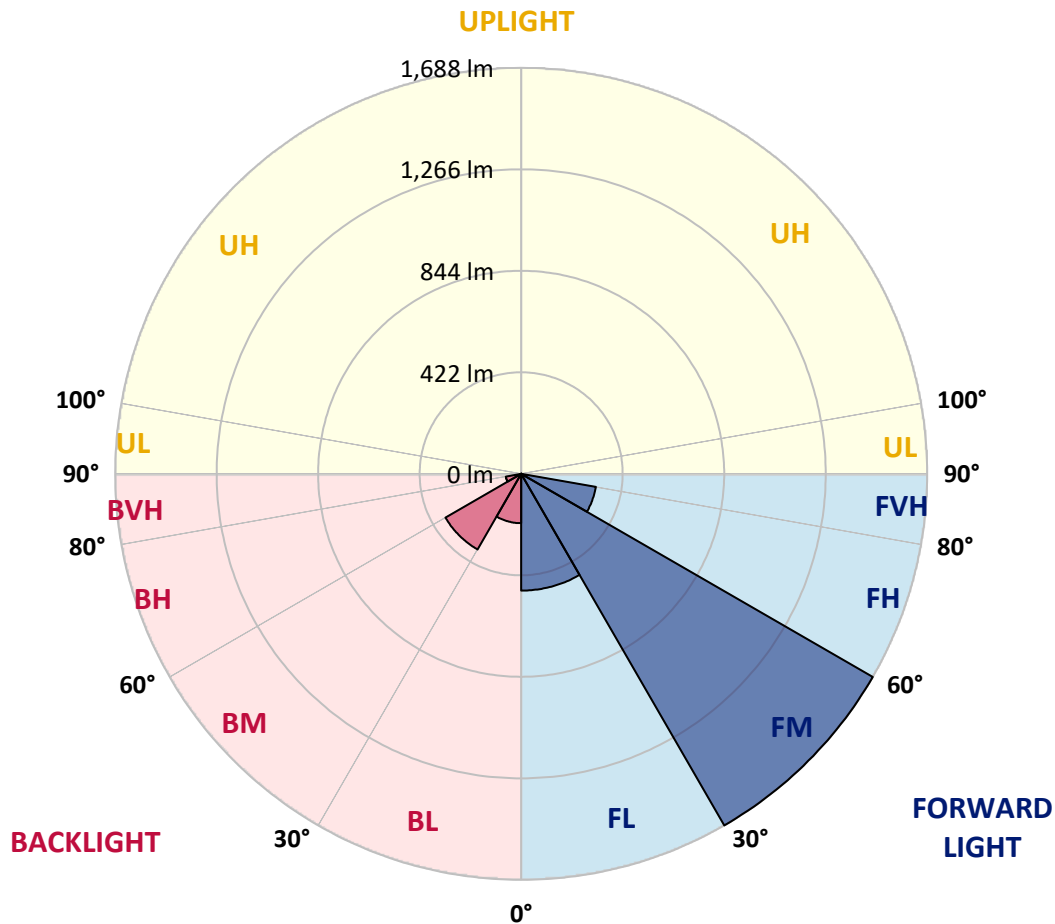
CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.4	15.5			
FM	(30°-60°)	1687.6	54.0			
FH	(60°-80°)	315.3	10.1			G0/660
FVH	(80°-90°)	2.5	0.1			G0/10
BL	(0°-30°)	205.1	6.6	B1/500		
BM	(30°-60°)	363.3	11.6	B1/1000		
BH	(60°-80°)	64.9	2.1	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short



REPORT NUMBER: P526701

CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5
2.5°	1676.7	1681.6	1708.7	1742.5	1760.3	1800.9	1772.6	1780.0	1764.6	1710.5	1668.1
5°	1625.7	1625.1	1659.5	1743.1	1822.4	1902.9	1905.4	1862.3	1786.7	1703.8	1585.1
7.5°	1472.0	1496.0	1531.7	1665.0	1811.9	1872.2	1901.1	1850.7	1734.5	1615.9	1487.4
10°	1355.9	1368.2	1428.4	1589.4	1697.0	1777.5	1795.3	1766.5	1677.3	1529.2	1385.4
12.5°	1288.9	1295.0	1365.7	1500.9	1614.6	1674.3	1682.9	1696.4	1632.5	1493.6	1320.8
15°	1289.5	1294.4	1389.7	1502.8	1547.6	1531.7	1559.9	1559.3	1587.0	1486.8	1374.9
17.5°	1382.3	1387.8	1473.9	1529.8	1510.1	1472.7	1470.8	1499.1	1557.5	1571.0	1456.7
20°	1542.1	1555.0	1618.3	1615.3	1504.6	1429.0	1408.1	1429.6	1565.5	1642.3	1621.4
22.5°	1757.2	1775.1	1819.3	1734.5	1529.8	1399.5	1392.8	1434.6	1618.3	1801.5	1808.2
25°	2006.8	2036.9	2058.4	1949.6	1619.6	1450.5	1418.6	1490.5	1689.6	1974.2	2046.1
27.5°	2172.1	2203.5	2198.5	2043.0	1679.8	1464.1	1437.0	1504.0	1751.7	2015.4	2170.3
30°	2301.2	2320.2	2354.7	2093.4	1740.0	1502.2	1456.1	1561.2	1772.0	2086.7	2320.2
32.5°	2451.8	2464.7	2467.1	2182.6	1832.8	1550.1	1515.1	1632.5	1861.7	2154.9	2453.0
35°	2603.6	2622.6	2582.7	2292.6	1890.0	1639.2	1613.4	1756.0	1933.6	2225.6	2599.3
37.5°	2768.3	2778.1	2685.9	2338.1	1971.7	1784.3	1770.1	1889.4	2058.4	2353.4	2761.5
40°	2906.6	2915.8	2796.0	2394.0	2057.8	1987.1	2023.4	2143.8	2228.0	2436.4	2842.7
42.5°	2983.4	3004.9	2832.8	2363.3	2230.5	2217.0	2378.0	2420.4	2424.7	2459.8	2915.2
45°	3004.3	2994.5	2772.0	2388.5	2381.7	2595.0	2741.3	2797.2	2620.2	2502.8	2933.6
47.5°	2907.8	2920.7	2682.3	2366.3	2580.2	2881.4	3070.7	3174.6	2765.8	2465.3	2888.2
50°	2829.8	2813.2	2653.4	2350.4	2633.7	3016.6	3308.6	3331.9	2899.8	2511.4	2838.4
52.5°	2845.1	2855.6	2699.5	2392.8	2634.9	3024.6	3345.4	3329.5	2904.1	2500.9	2820.5
55°	2877.7	2831.6	2679.8	2299.3	2458.5	2801.5	2969.3	2944.7	2680.4	2389.7	2776.9
57.5°	2483.1	2554.4	2464.1	2052.9	2017.8	2110.6	2107.6	2183.2	1999.4	2056.6	2528.0
60°	2015.4	2027.7	2061.5	1756.0	1396.4	1364.5	1320.2	1272.3	1345.4	1758.5	2299.3
62.5°	1772.6	1757.8	1878.3	1597.4	985.9	825.5	818.1	847.6	1038.1	1677.3	2156.7
65°	1288.3	1306.7	1394.0	1239.7	740.0	630.0	618.9	706.2	840.2	1344.2	1646.0
67.5°	786.7	822.4	830.4	764.6	502.2	398.9	382.9	462.2	606.6	869.7	965.0
70°	363.2	406.3	446.8	417.3	290.7	164.1	154.9	194.2	306.1	500.3	512.0
72.5°	110.0	110.6	154.9	161.6	94.0	36.9	32.6	43.0	103.9	165.3	173.9
75°	8.0	8.6	20.9	24.0	17.8	9.2	9.8	11.7	22.1	36.9	27.7
77.5°	0.6	0.6	0.6	3.1	5.5	6.1	8.0	9.2	11.7	13.5	12.3
80°	0.6	0.0	0.6	2.5	4.3	6.1	7.4	8.6	9.2	10.4	9.2
82.5°	0.0	0.0	0.0	1.8	4.3	6.1	6.8	9.2	10.4	12.3	10.4
85°	0.0	0.0	0.0	1.8	4.3	6.8	6.1	3.1	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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: P526701

CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5
2.5°	1675.5	1651.5	1596.8	1569.2	1504.0	1494.8	1430.9	1420.4	1398.9	1387.2	1359.0
5°	1532.9	1504.0	1414.9	1339.9	1252.6	1191.8	1145.1	1102.6	1078.1	1055.3	1065.8
7.5°	1416.7	1332.5	1233.6	1108.2	1007.4	942.2	870.9	812.5	778.1	754.8	760.3
10°	1295.0	1240.3	1102.6	961.9	840.2	794.1	738.2	693.3	644.7	603.0	583.3
12.5°	1256.9	1175.8	1003.1	859.9	767.7	722.8	658.9	607.3	545.2	494.2	476.3
15°	1263.7	1185.6	976.0	823.0	714.2	636.8	560.5	496.6	428.4	392.7	374.3
17.5°	1373.7	1238.5	993.9	784.3	639.8	532.3	438.2	357.1	306.1	269.2	261.2
20°	1508.9	1352.8	1032.0	756.0	579.0	423.5	320.2	250.2	207.7	201.6	199.8
22.5°	1706.8	1539.7	1113.7	736.9	504.6	330.1	219.4	181.9	170.3	169.0	169.6
25°	1983.4	1773.8	1202.8	721.0	448.7	254.5	179.5	154.3	150.6	148.7	151.8
27.5°	2103.3	1915.2	1250.2	686.5	397.7	229.3	177.0	153.0	142.6	139.5	141.4
30°	2251.4	2009.2	1324.5	627.5	322.7	188.7	165.3	166.6	161.6	146.3	141.4
32.5°	2448.1	2126.6	1362.0	585.7	288.3	156.1	121.1	111.2	124.2	126.6	130.9
35°	2574.1	2245.9	1381.1	561.2	270.4	133.4	102.6	93.4	90.4	91.0	93.4
37.5°	2808.3	2406.9	1405.0	535.3	256.9	116.2	92.8	84.2	79.9	79.9	82.4
40°	2948.4	2534.7	1437.6	521.2	243.4	105.7	84.2	76.8	73.1	73.1	74.4
42.5°	2983.4	2598.0	1426.6	516.3	228.0	103.3	76.8	71.3	67.0	66.4	65.8
45°	3046.1	2694.5	1428.4	510.8	212.0	94.0	72.5	66.4	60.2	59.6	59.0
47.5°	3115.0	2764.0	1432.1	489.2	196.7	78.7	75.6	61.5	54.1	52.9	52.9
50°	3055.9	2819.3	1464.1	467.7	177.0	63.9	74.4	57.8	47.9	46.1	46.7
52.5°	3063.3	2884.5	1531.7	437.6	152.4	51.0	60.2	54.7	43.6	40.6	41.2
55°	2945.3	2815.6	1540.9	405.7	119.2	39.3	46.1	47.9	36.9	35.6	35.6
57.5°	2535.4	2384.2	1359.6	328.8	78.7	32.6	33.2	41.8	32.0	30.7	31.3
60°	2169.6	1914.0	1094.0	217.0	49.2	25.8	24.0	42.4	28.3	27.7	29.5
62.5°	1977.9	1572.8	829.8	134.6	33.8	19.7	16.6	34.4	24.6	24.6	27.0
65°	1429.0	1056.6	482.5	70.7	24.0	15.4	12.3	19.7	20.3	20.9	22.1
67.5°	885.1	533.5	203.4	34.4	16.0	10.4	8.0	12.3	13.5	13.5	14.8
70°	437.0	212.7	67.6	19.7	12.3	8.6	5.5	6.8	6.8	6.1	6.8
72.5°	135.2	63.9	17.2	12.3	8.6	5.5	3.1	2.5	1.2	0.0	0.6
75°	15.4	12.3	11.1	8.6	5.5	2.5	0.6	0.0	0.0	0.0	0.0
77.5°	9.2	10.4	10.4	8.6	5.5	1.8	0.0	0.0	0.0	0.0	0.0
80°	7.4	8.0	8.6	8.0	4.9	2.5	0.0	0.0	0.0	0.0	0.0
82.5°	9.2	10.4	11.7	10.4	6.8	3.1	1.2	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	1.8	0.6	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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: P526701

CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5
2.5°	1347.3	1333.8	1352.8	1324.5	1323.9	1324.5	1316.5	1309.2	1320.8	1352.2	1355.3
5°	1028.3	1057.2	1066.4	1096.5	1079.9	1055.3	1060.2	1043.6	1084.2	1102.0	1087.9
7.5°	748.6	746.8	808.9	812.5	820.5	821.1	819.9	787.3	754.2	761.5	783.7
10°	580.8	549.5	579.6	576.5	596.2	590.7	598.7	563.6	575.3	575.3	589.4
12.5°	473.3	440.1	434.5	426.6	434.5	437.6	440.7	433.9	453.6	462.8	472.7
15°	361.4	343.0	338.0	322.7	325.1	333.7	341.1	344.2	338.0	352.2	353.4
17.5°	262.4	261.8	264.9	264.3	261.8	260.0	259.4	251.4	248.9	250.2	255.1
20°	199.1	204.1	214.5	225.0	230.5	223.7	214.5	201.0	195.5	196.7	197.3
22.5°	170.3	177.6	191.8	203.4	209.0	196.7	180.1	168.4	166.0	165.3	164.7
25°	154.3	162.9	173.3	177.0	176.4	169.0	156.7	151.8	150.6	149.4	143.8
27.5°	145.7	148.7	150.6	154.9	156.7	151.8	148.7	141.4	140.1	140.1	136.4
30°	140.8	138.9	141.4	138.3	140.8	137.1	137.7	137.7	134.6	135.8	135.8
32.5°	130.9	131.5	131.5	125.4	127.2	122.9	127.2	130.9	131.5	132.1	137.1
35°	95.9	106.9	112.5	112.5	114.3	111.2	110.6	106.3	100.8	95.3	92.8
37.5°	84.2	88.5	95.9	100.2	103.3	100.8	95.3	88.5	85.4	83.0	80.5
40°	75.0	78.7	83.6	88.5	94.7	91.6	83.0	79.9	76.2	76.2	73.8
42.5°	67.6	69.5	72.5	79.9	86.7	80.5	74.4	71.9	70.1	69.5	68.8
45°	60.8	61.5	64.5	70.7	78.7	72.5	66.4	63.3	63.9	64.5	63.9
47.5°	54.7	55.9	57.8	65.2	70.1	67.0	60.2	58.4	58.4	58.4	59.0
50°	47.3	50.4	54.1	60.2	63.9	62.1	56.5	54.1	52.9	52.9	53.5
52.5°	42.4	44.9	49.8	57.2	62.1	59.0	53.5	49.8	47.3	46.7	47.9
55°	36.9	41.2	49.2	54.7	61.5	58.4	52.2	47.9	43.6	43.0	43.0
57.5°	33.2	40.0	47.3	54.1	59.6	57.2	52.2	46.7	41.2	40.6	40.6
60°	31.3	38.7	46.1	52.2	59.6	55.9	51.6	45.5	39.3	39.3	38.7
62.5°	29.5	36.3	43.6	49.8	57.2	54.1	49.8	43.6	37.5	37.5	36.3
65°	24.6	31.3	36.3	41.8	49.8	46.7	42.4	38.1	33.2	32.0	32.6
67.5°	17.2	21.5	26.4	32.0	36.9	35.6	33.8	30.7	26.4	25.8	25.2
70°	8.6	11.7	16.0	21.5	25.8	24.6	23.4	20.9	18.4	17.8	17.8
72.5°	1.2	3.7	6.8	9.8	13.5	14.1	13.5	12.9	12.3	11.7	12.3
75°	0.0	0.0	0.0	2.5	5.5	6.8	8.0	9.2	9.2	8.0	9.8
77.5°	0.0	0.0	0.0	0.0	0.6	3.1	6.1	8.0	9.8	8.6	11.7
80°	0.0	0.0	0.0	0.0	0.6	3.7	6.1	8.6	9.8	8.6	12.3
82.5°	0.0	0.0	0.0	0.0	0.6	4.3	6.1	8.0	9.2	8.6	11.1
85°	0.0	0.0	0.0	0.0	1.8	3.7	2.5	1.2	0.6	0.6	1.8
87.5°	0.0	0.0	0.0	0.0	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: P526701

CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5
2.5°	1372.5	1416.1	1462.8	1480.6	1536.0	1577.8	1606.0	1666.9	1676.1	1676.7
5°	1102.6	1124.8	1204.7	1242.2	1324.5	1388.5	1456.7	1555.0	1620.8	1625.7
7.5°	783.7	845.1	878.9	976.6	1078.1	1178.2	1279.7	1394.0	1470.2	1472.0
10°	630.6	670.6	730.8	803.9	889.4	991.4	1126.6	1259.4	1336.8	1355.9
12.5°	507.7	577.8	646.6	722.2	787.3	864.2	1009.8	1186.9	1250.8	1288.9
15°	390.9	454.8	536.0	624.5	698.2	800.9	966.8	1169.0	1276.6	1289.5
17.5°	288.3	345.4	420.4	504.0	614.6	760.3	974.2	1259.4	1360.8	1382.3
20°	207.1	240.3	299.3	396.4	537.2	713.0	981.6	1351.0	1505.2	1542.1
22.5°	164.1	177.6	216.4	302.4	450.5	663.2	1033.8	1526.1	1703.8	1757.2
25°	142.6	150.0	168.4	238.5	395.8	658.3	1117.4	1736.3	1968.1	2006.8
27.5°	137.7	138.9	154.9	218.8	366.3	625.7	1149.4	1885.7	2132.8	2172.1
30°	145.1	164.7	166.0	185.0	311.6	561.2	1166.0	2030.1	2272.3	2301.2
32.5°	125.4	119.2	123.5	143.2	274.1	523.7	1197.3	2156.1	2431.5	2451.8
35°	87.3	91.6	101.4	124.2	239.7	484.3	1205.3	2295.0	2582.7	2603.6
37.5°	80.5	83.0	91.0	105.7	210.8	462.2	1194.2	2396.4	2739.4	2768.3
40°	75.0	78.1	82.4	95.9	189.3	437.6	1178.9	2488.0	2835.3	2906.6
42.5°	70.7	73.1	76.8	91.6	170.9	413.0	1157.4	2617.1	2921.3	2983.4
45°	65.8	69.5	73.8	89.1	160.4	396.4	1141.4	2609.1	2971.1	3004.3
47.5°	60.8	67.0	71.9	83.0	157.3	388.4	1148.1	2579.0	2930.6	2907.8
50°	55.9	63.9	72.5	68.8	150.0	372.5	1156.1	2620.2	2834.1	2829.8
52.5°	51.6	60.8	67.6	56.5	133.4	357.1	1233.6	2674.3	2902.3	2845.1
55°	45.5	54.7	54.1	45.5	108.2	345.4	1294.4	2675.5	2856.2	2877.7
57.5°	41.2	48.6	42.4	38.1	79.9	288.9	1195.5	2243.4	2445.0	2483.1
60°	38.1	47.3	32.0	30.1	52.2	208.4	1043.6	1737.6	1943.5	2015.4
62.5°	35.0	44.9	25.2	24.6	36.3	148.1	858.0	1454.2	1674.9	1772.6
65°	30.7	32.0	20.3	19.1	25.8	79.9	522.4	1001.2	1252.0	1288.3
67.5°	25.2	24.6	16.6	15.4	17.2	38.7	230.5	501.5	725.9	786.7
70°	20.3	20.3	14.1	12.3	12.3	17.8	60.2	199.8	328.2	363.2
72.5°	14.8	15.4	11.1	9.8	9.2	8.6	9.8	40.0	86.0	110.0
75°	12.9	13.5	11.1	8.6	6.8	5.5	4.3	3.7	4.9	8.0
77.5°	14.1	14.1	11.7	8.0	6.1	4.3	2.5	1.2	1.2	0.6
80°	17.8	18.4	15.4	10.4	7.4	4.9	3.1	1.2	0.6	0.6
82.5°	19.1	20.9	17.2	12.9	9.2	5.5	3.1	0.6	0.0	0.0
85°	4.9	8.0	13.5	11.7	9.2	5.5	3.1	0.6	0.0	0.0
87.5°	0.0	0.6	1.8	1.8	2.5	2.5	1.8	0.6	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

(END OF REPORT)