

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: P526313

Luminaire Tested: **GALN-SA1B-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2899 lumens
Efficiency: N/A
Efficacy: 65.9 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

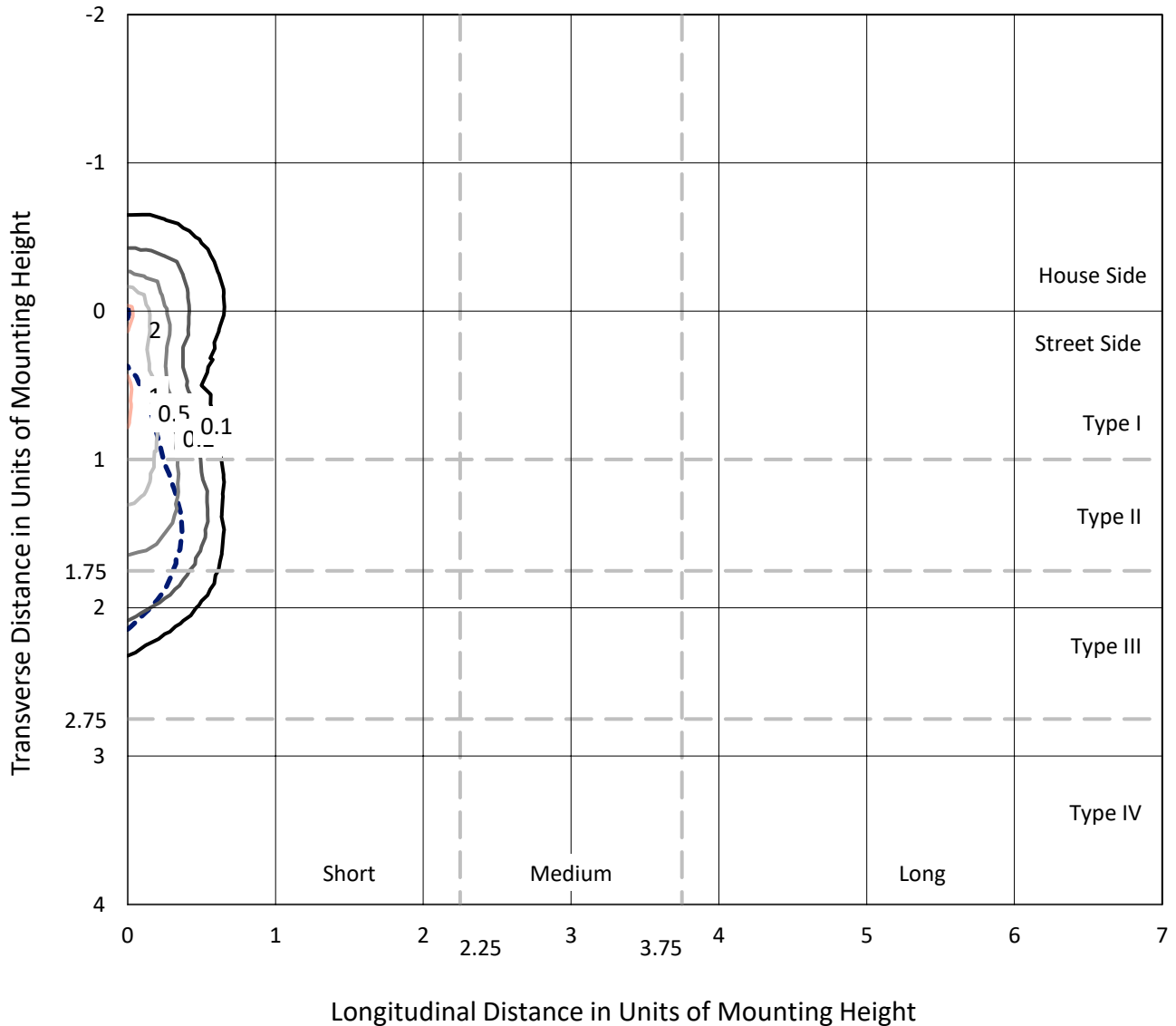
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526313
 CATALOG NUMBER: GALN-SA1B-730-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

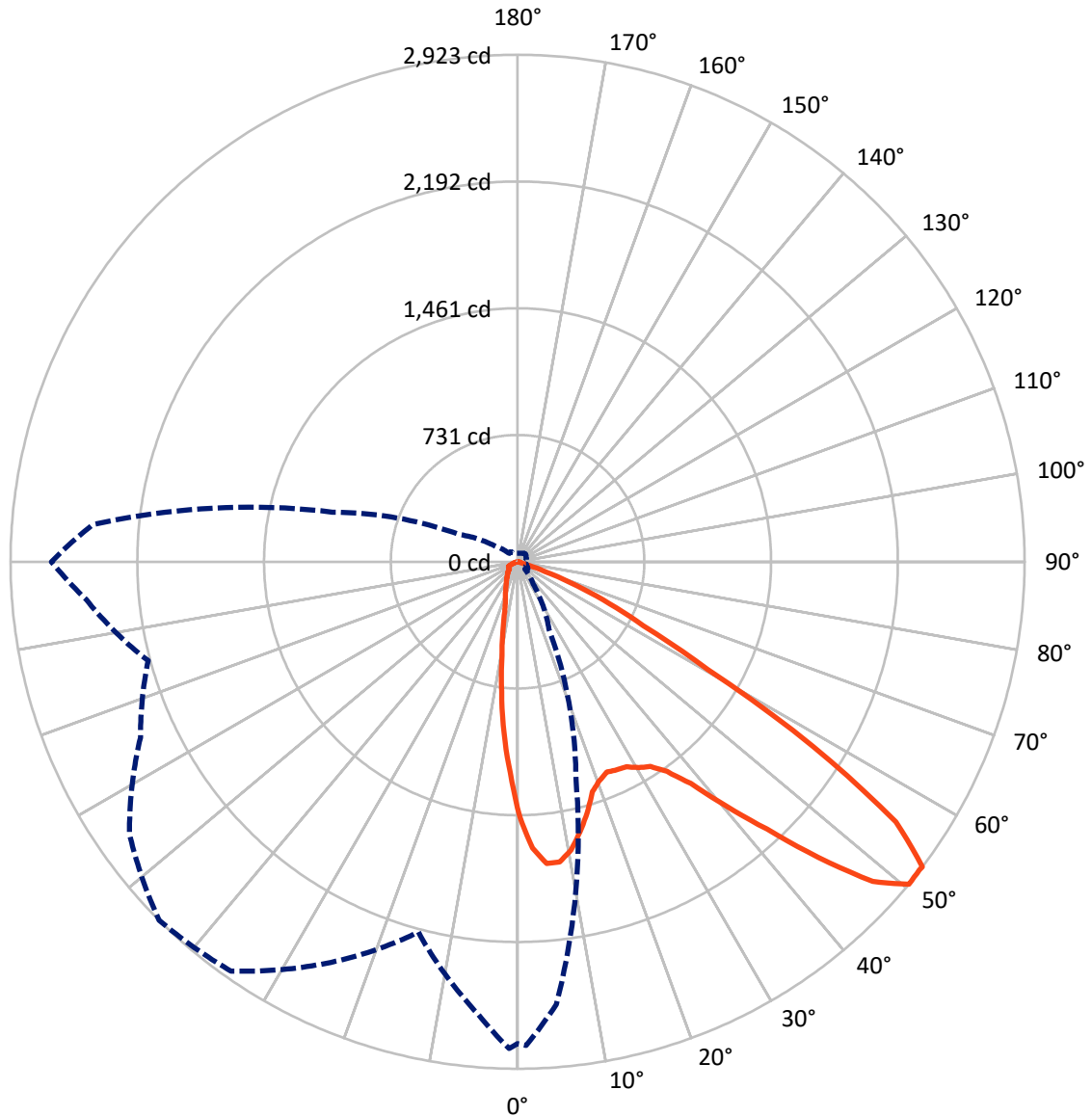
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

REPORT NUMBER: P526313
CATALOG NUMBER: GALN-SA1B-730-U-SLR-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P526313
 CATALOG NUMBER: GALN-SA1B-730-U-SLR-GRSBK

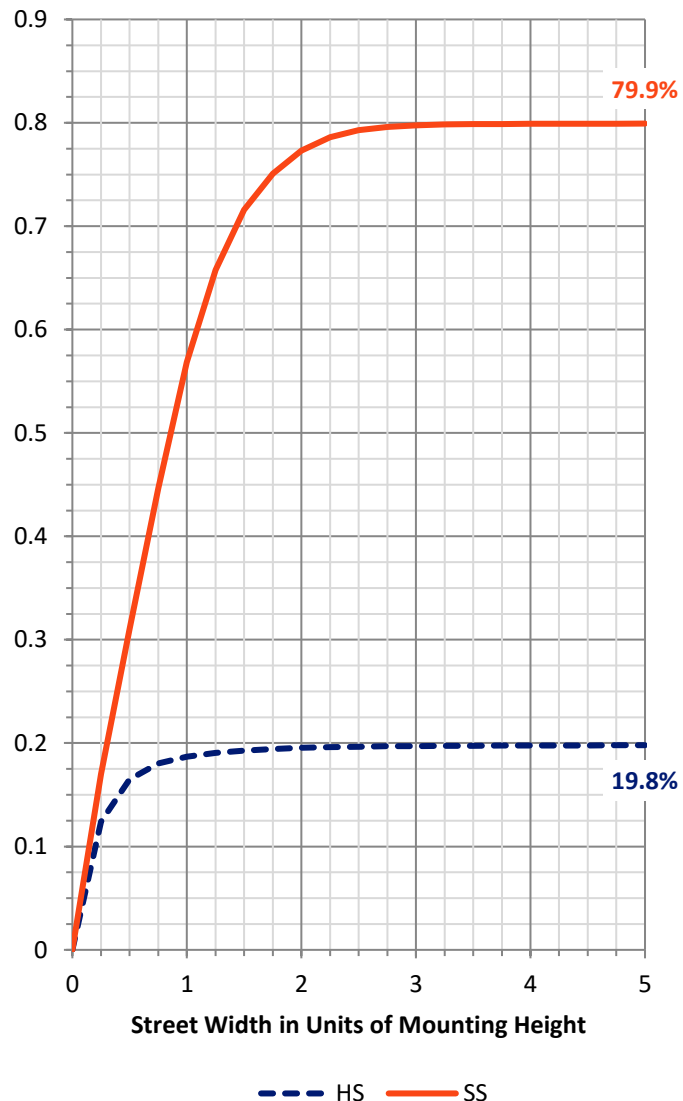
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	580.7	0.0	580.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2318.3	0.0	2318.3
	% Fixture	80.0	0.0	80.0
Total	Lumens	2899.0	0.0	2899.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	3.7
10°-20°	213.0	7.3
20°-30°	320.0	11.0
30°-40°	480.2	16.6
40°-50°	674.9	23.3
50°-60°	728.0	25.1
60°-70°	338.0	11.7
70°-80°	31.8	1.1
80°-90°	5.9	0.2
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°	2899.0	100.0
0°-180°	2899.0	100.0

Coefficient of Utilization

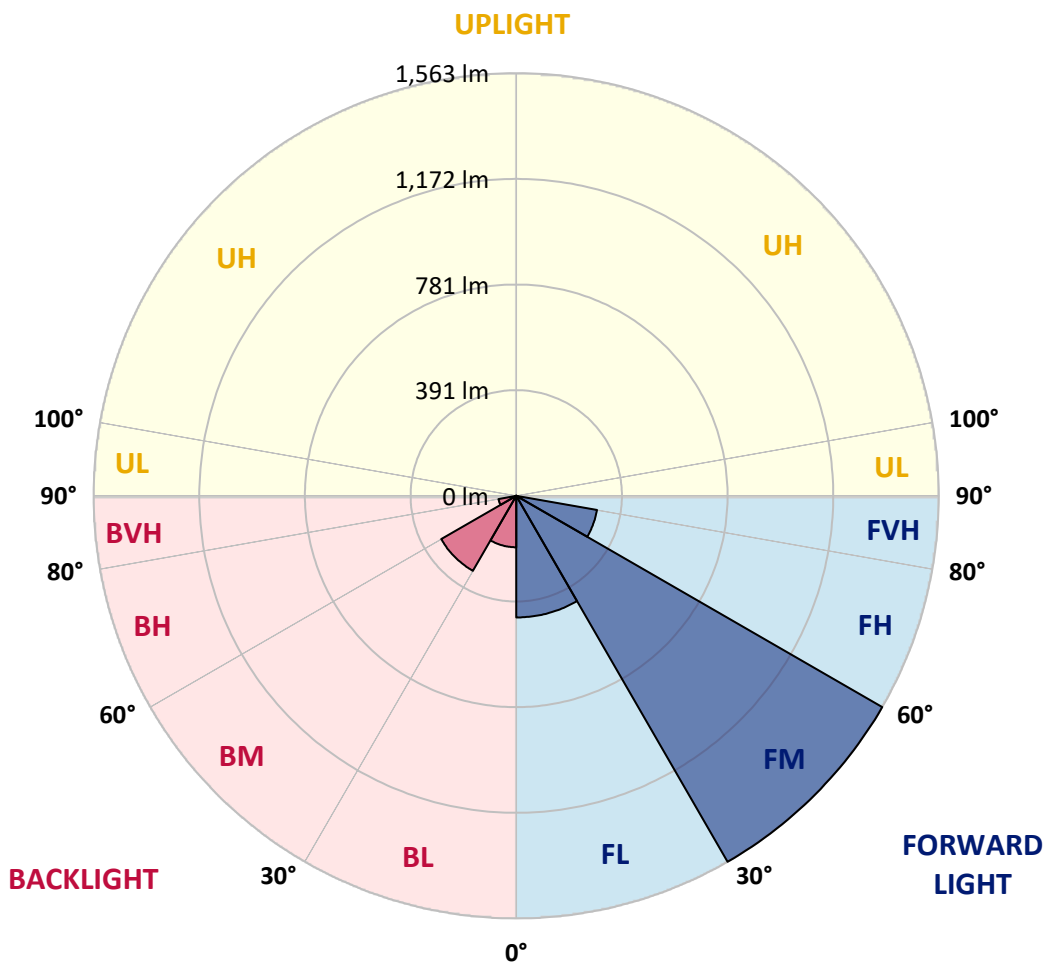


REPORT NUMBER: P526313
 CATALOG NUMBER: GALN-SA1B-730-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.8	15.5			
FM (30°-60°)	1562.8	53.9			
FH (60°-80°)	303.2	10.5			G0/660
FVH (80°-90°)	2.6	0.1			G0/10
BL (0°-30°)	190.3	6.6	B1/500		
BM (30°-60°)	320.4	11.1	B1/1000		
BH (60°-80°)	66.7	2.3	B0/110		G0/110
BVH (80°-90°)	3.2	0.1			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: P526313

CATALOG NUMBER: GALN-SA1B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2
2.5°	1528.3	1504.7	1474.8	1450.0	1413.2	1339.0	1318.9	1294.7	1274.6	1247.6	1209.6
5°	1389.6	1382.2	1368.4	1275.2	1207.9	1118.1	1044.5	1013.5	972.6	939.3	915.1
7.5°	1283.8	1253.9	1210.2	1116.4	1008.9	912.8	831.1	783.4	729.3	710.9	678.1
10°	1170.5	1177.4	1113.0	981.3	851.3	773.6	723.0	677.0	628.1	595.9	549.3
12.5°	1134.3	1111.8	1062.4	899.6	788.6	716.1	654.6	597.6	545.8	494.1	449.2
15°	1157.8	1123.3	1054.3	882.3	740.3	650.0	572.9	495.8	448.1	381.9	335.3
17.5°	1242.4	1214.8	1122.2	900.7	715.5	586.7	472.2	392.8	319.8	260.0	236.4
20°	1383.3	1344.2	1228.0	924.3	678.7	510.2	383.1	285.3	216.3	191.0	177.7
22.5°	1521.3	1500.1	1353.4	969.8	645.9	442.3	287.6	192.1	161.6	157.0	148.4
25°	1784.2	1720.4	1544.9	1052.0	620.6	378.5	216.8	154.7	136.9	133.4	134.6
27.5°	1940.7	1887.2	1722.1	1106.6	592.4	329.6	183.5	142.1	130.0	122.5	119.6
30°	2090.8	2028.7	1810.1	1138.9	532.0	277.8	162.8	136.3	133.4	122.5	119.1
32.5°	2206.4	2145.4	1937.2	1187.2	507.3	244.5	134.0	106.4	98.9	97.8	108.1
35°	2383.5	2318.5	2045.9	1213.6	488.3	227.2	116.2	94.9	86.3	82.8	83.4
37.5°	2548.6	2504.3	2146.6	1224.0	468.2	222.0	104.1	85.1	77.6	75.3	74.8
40°	2686.7	2587.7	2242.0	1234.9	459.6	212.2	96.6	77.6	72.5	69.0	69.0
42.5°	2749.9	2649.3	2349.0	1228.6	457.3	196.7	96.6	71.3	67.3	63.8	63.3
45°	2736.1	2695.3	2396.8	1225.7	457.3	181.2	88.0	69.6	63.8	59.2	58.1
47.5°	2771.8	2718.3	2456.6	1237.8	448.1	170.3	74.2	73.0	60.4	54.6	53.5
50°	2778.1	2788.5	2560.7	1300.5	427.9	156.4	58.1	71.9	58.1	49.5	48.3
52°	2819.5	2755.1	2592.3	1333.8	406.7	146.1	48.9	61.5	55.8	46.0	44.9
52.5°	2762.6	2804.6	2599.8	1345.9	409.0	139.2	47.2	60.4	54.6	46.0	43.1
55°	2698.7	2739.0	2569.3	1371.8	375.0	109.3	36.8	43.7	49.5	40.3	38.5
57.5°	2345.6	2386.4	2232.8	1256.2	305.4	77.1	30.5	32.8	43.7	37.4	35.7
60°	2085.0	2055.7	1873.9	1048.0	216.8	43.1	24.2	25.3	47.7	34.5	33.9
62.5°	1905.6	1842.9	1566.2	809.3	132.3	28.8	19.0	19.6	36.8	32.2	32.2
65°	1409.8	1339.6	1040.5	489.5	65.0	20.1	14.4	15.5	23.0	27.6	27.6
67.5°	804.7	777.6	502.7	220.9	27.0	12.7	10.9	12.1	17.8	22.4	21.3
70°	369.8	331.9	193.3	46.6	12.7	8.6	8.6	9.8	14.4	16.7	15.5
72.5°	108.1	102.4	47.2	7.5	5.2	5.2	5.8	7.5	10.9	12.7	11.5
75°	8.1	5.2	3.5	2.3	2.3	3.5	4.6	7.5	10.9	12.1	9.8
77.5°	0.6	1.2	0.6	0.6	1.7	3.5	5.2	9.2	14.4	15.0	10.9
80°	0.6	0.6	0.0	0.6	1.7	3.5	5.8	10.4	16.1	17.3	9.2
82.5°	0.0	0.0	0.0	0.6	2.3	4.6	6.9	10.9	15.0	18.4	9.8
85°	0.0	0.0	0.0	0.6	3.5	6.3	8.1	2.9	1.7	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: P526313

CATALOG NUMBER: GALN-SA1B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2
2.5°	1236.6	1221.7	1215.9	1221.1	1219.4	1217.7	1249.3	1242.4	1241.2	1251.6	1249.3
5°	928.3	901.9	974.4	945.0	975.5	993.9	997.4	999.1	1020.4	997.9	1027.3
7.5°	661.5	668.4	667.8	687.3	722.4	753.5	771.9	757.5	756.4	753.5	740.8
10°	528.6	516.5	514.2	509.6	520.5	547.0	569.4	551.6	538.9	556.2	551.0
12.5°	432.0	415.3	406.1	387.7	388.2	406.1	406.1	406.1	418.7	428.5	436.0
15°	331.3	317.5	317.5	299.1	295.1	295.6	304.8	306.0	326.1	331.9	334.8
17.5°	231.8	224.3	232.9	240.4	235.8	237.0	240.4	241.6	244.5	242.2	247.9
20°	178.3	177.2	179.5	192.7	202.5	208.2	204.2	198.4	195.0	186.9	186.9
22.5°	151.3	153.6	157.6	168.5	181.2	184.6	180.0	166.8	156.4	155.3	155.9
25°	134.6	136.9	143.2	150.1	157.0	162.8	158.2	148.4	142.6	137.5	137.5
27.5°	124.2	125.4	128.8	134.0	139.8	144.4	142.6	137.5	131.1	128.8	123.7
30°	116.2	117.9	121.9	123.1	128.3	130.6	127.7	126.5	122.5	119.6	117.9
32.5°	112.2	111.6	114.5	115.6	116.2	117.9	114.5	116.2	115.6	111.0	109.3
35°	84.6	89.2	96.6	103.0	104.7	107.0	106.4	104.1	97.8	92.6	86.3
37.5°	75.9	78.8	82.8	88.0	94.9	97.8	96.6	90.9	83.4	79.9	78.8
40°	70.2	71.9	75.3	78.8	85.7	90.9	86.9	81.7	75.9	73.0	71.3
42.5°	65.0	65.6	67.3	70.7	75.9	84.0	77.1	70.2	67.9	66.1	65.0
45°	59.2	59.2	61.5	63.3	69.0	76.5	69.6	63.3	62.1	61.0	60.4
47.5°	54.6	55.2	56.4	58.7	63.3	68.4	63.8	58.7	55.8	55.2	54.1
50°	48.9	49.5	51.8	54.1	59.8	62.7	59.8	54.1	51.2	49.5	49.5
52°	44.3	46.0	48.3	52.9	56.9	61.5	58.1	51.8	48.3	46.6	45.4
52.5°	43.7	44.9	47.2	52.3	56.9	61.0	57.5	51.2	47.2	46.0	44.9
55°	39.1	40.8	44.9	51.2	56.4	61.0	56.4	50.6	44.9	42.0	40.8
57.5°	37.4	38.5	43.7	51.8	55.8	61.0	56.4	50.6	44.9	39.7	38.5
60°	35.7	38.0	43.7	50.0	55.2	61.5	56.9	50.0	43.7	37.4	37.4
62.5°	33.9	35.7	43.1	48.9	52.9	59.2	54.6	48.9	42.0	35.7	35.1
65°	29.3	32.2	38.0	40.8	45.4	51.2	46.6	42.6	36.8	31.6	31.1
67.5°	22.4	23.6	28.2	31.6	34.5	39.7	37.4	32.2	28.2	24.2	24.2
70°	15.5	16.7	20.1	21.9	24.7	27.6	25.9	21.9	19.0	16.7	16.1
72.5°	10.9	11.5	12.7	13.8	15.0	16.1	15.5	12.7	10.9	10.4	9.8
75°	8.6	9.8	10.4	9.8	9.2	8.6	8.6	7.5	6.3	5.8	5.8
77.5°	8.6	9.2	8.6	7.5	6.3	5.8	5.2	4.6	3.5	2.9	3.5
80°	7.5	7.5	7.5	6.3	5.8	5.2	4.6	4.0	3.5	2.9	2.9
82.5°	8.1	8.1	7.5	6.3	6.3	5.2	5.2	4.6	4.0	2.9	2.9
85°	0.0	0.0	0.0	1.2	2.9	5.2	5.2	4.6	4.0	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.3	2.9	3.5	3.5	3.5
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: P526313

CATALOG NUMBER: GALN-SA1B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2
2.5°	1270.0	1291.9	1333.3	1374.7	1400.0	1429.9	1484.0	1512.7	1550.1	1568.5	1604.8
5°	1023.2	1075.0	1093.4	1140.6	1191.2	1241.8	1322.3	1410.9	1484.5	1535.2	1600.7
7.5°	746.6	758.7	830.0	861.6	944.4	1036.5	1146.3	1257.9	1351.1	1433.9	1484.0
10°	559.6	603.9	648.8	709.2	775.9	870.8	976.1	1099.2	1220.0	1302.8	1366.1
12.5°	449.8	484.9	544.7	609.7	691.9	754.6	860.5	982.4	1138.9	1220.0	1303.4
15°	340.5	385.4	453.2	520.5	607.4	673.5	780.5	934.1	1135.4	1247.0	1318.9
17.5°	252.5	283.0	344.0	419.3	507.9	601.1	745.4	928.9	1173.9	1306.8	1381.0
20°	193.3	203.6	242.2	309.4	405.5	527.4	688.5	951.3	1287.8	1452.3	1527.7
22.5°	156.4	161.1	176.0	222.6	315.8	463.0	661.5	966.9	1416.1	1626.6	1727.3
25°	136.3	135.2	144.9	165.1	246.8	402.6	626.9	1025.5	1573.1	1831.4	1921.7
27.5°	124.2	124.2	128.8	143.2	204.8	363.5	605.1	1067.5	1731.3	2011.4	2060.3
30°	117.9	119.1	132.3	136.9	170.3	316.9	568.9	1110.1	1882.6	2126.4	2193.7
32.5°	109.3	104.7	101.8	113.3	143.2	274.9	532.6	1127.9	2005.1	2267.4	2324.9
35°	84.0	81.7	85.1	93.8	123.1	239.3	492.4	1148.1	2146.0	2430.7	2442.2
37.5°	75.9	75.3	77.6	85.1	103.5	208.2	463.6	1142.9	2253.6	2565.9	2534.8
40°	70.2	70.2	71.9	78.2	92.6	186.4	433.7	1138.3	2357.7	2717.7	2626.8
42.5°	65.6	65.6	68.4	72.5	88.0	172.0	411.3	1132.0	2445.1	2810.9	2680.9
45°	59.2	61.0	65.6	69.6	89.2	162.2	394.6	1107.8	2475.0	2809.8	2655.0
47.5°	54.6	56.9	61.5	67.3	80.5	159.3	383.1	1086.5	2464.6	2740.7	2573.9
50°	49.5	52.3	58.7	68.4	68.4	153.6	371.0	1105.5	2457.2	2687.2	2496.3
52°	46.0	48.3	56.4	66.7	59.8	141.5	363.5	1142.3	2487.7	2680.3	2461.8
52.5°	45.4	47.2	54.6	65.6	56.9	139.2	358.3	1150.9	2497.4	2663.1	2485.3
55°	40.3	42.6	50.0	51.2	46.6	114.5	341.7	1170.5	2449.1	2629.1	2462.9
57.5°	38.0	39.1	44.3	42.0	40.3	86.3	293.9	1140.0	2175.3	2335.2	2291.5
60°	35.1	36.2	41.4	32.8	33.9	60.4	220.9	989.9	1746.8	1945.8	2024.6
62.5°	33.9	33.4	39.1	26.5	28.8	43.7	155.9	804.7	1345.9	1601.9	1738.2
65°	29.9	29.3	28.2	22.4	24.7	33.9	93.2	525.1	948.5	1211.9	1286.7
67.5°	23.0	24.2	20.7	17.8	20.7	26.5	51.8	235.2	497.5	727.0	787.4
70°	16.1	17.3	16.7	15.5	18.4	21.9	29.9	80.5	205.9	381.9	421.0
72.5°	9.8	12.1	12.7	13.2	16.1	19.0	21.3	25.9	54.6	135.2	168.0
75°	5.8	8.1	9.8	11.5	13.2	16.1	17.8	18.4	19.0	25.3	40.8
77.5°	4.0	5.8	8.6	10.9	13.2	16.1	19.0	20.1	19.0	17.8	19.0
80°	3.5	5.8	8.1	10.4	13.8	16.7	19.0	19.0	18.4	16.1	17.3
82.5°	3.5	5.8	8.6	10.9	13.2	16.1	18.4	19.0	17.3	16.1	16.7
85°	4.0	6.3	9.2	11.5	14.4	13.2	12.1	9.8	9.2	7.5	8.1
87.5°	4.0	5.8	5.8	6.3	6.9	6.9	6.9	6.3	5.2	4.6	4.6
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: P526313

CATALOG NUMBER: GALN-SA1B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2	1470.2
2.5°	1606.5	1652.5	1650.8	1651.9	1645.0	1598.4	1576.0	1519.0	1535.2	1528.3
5°	1668.0	1713.5	1752.6	1748.0	1695.1	1631.8	1538.0	1449.5	1425.3	1389.6
7.5°	1606.5	1715.8	1752.0	1746.8	1668.6	1587.5	1437.9	1349.4	1307.4	1283.8
10°	1508.7	1635.2	1680.1	1689.3	1636.4	1513.3	1375.8	1233.8	1211.3	1170.5
12.5°	1452.9	1544.9	1572.5	1597.3	1578.9	1486.8	1328.7	1192.3	1161.3	1134.3
15°	1407.5	1462.1	1473.6	1501.8	1512.7	1463.3	1353.4	1237.2	1160.7	1157.8
17.5°	1449.5	1427.0	1385.0	1393.7	1428.2	1463.8	1417.2	1325.8	1251.6	1242.4
20°	1519.0	1420.1	1325.2	1346.5	1375.3	1484.5	1513.9	1449.5	1406.9	1383.3
22.5°	1599.0	1432.2	1306.2	1316.6	1371.2	1531.1	1670.3	1634.7	1555.3	1521.3
25°	1746.8	1465.6	1321.2	1328.1	1402.9	1596.1	1811.8	1838.3	1791.1	1784.2
27.5°	1891.2	1551.8	1354.0	1338.4	1419.0	1659.4	1897.5	2039.6	1956.8	1940.7
30°	1964.8	1622.0	1402.9	1376.4	1485.7	1697.9	1949.3	2170.7	2098.3	2090.8
32.5°	2077.5	1685.9	1440.8	1406.9	1523.1	1745.7	2045.9	2313.9	2243.8	2206.4
35°	2124.7	1755.4	1524.2	1484.5	1630.1	1812.4	2095.4	2441.6	2419.8	2383.5
37.5°	2215.6	1830.2	1622.6	1620.3	1759.5	1899.2	2184.5	2615.3	2611.3	2548.6
40°	2223.1	1911.9	1777.9	1850.4	1959.6	2050.5	2262.8	2663.7	2729.2	2686.7
42.5°	2234.6	2055.1	2046.5	2106.3	2200.1	2180.5	2265.6	2675.2	2775.2	2749.9
45°	2239.7	2198.3	2319.7	2430.1	2469.2	2350.8	2238.6	2653.3	2799.4	2736.1
47.5°	2198.3	2321.4	2540.6	2754.0	2765.5	2455.4	2227.1	2630.9	2813.8	2771.8
50°	2204.1	2398.5	2731.5	2922.5	2880.5	2548.0	2209.3	2617.1	2806.3	2778.1
52°	2190.3	2400.2	2758.6	2919.0	2889.7	2496.9	2178.8	2564.1	2799.4	2819.5
52.5°	2205.8	2389.9	2730.4	2921.3	2883.4	2522.2	2174.8	2593.5	2803.4	2762.6
55°	2152.3	2266.8	2565.3	2646.4	2640.6	2289.2	2051.1	2496.3	2698.2	2698.7
57.5°	1945.3	1964.8	2012.0	2010.3	1983.8	1799.7	1754.3	2295.5	2405.4	2345.6
60°	1714.0	1438.5	1311.4	1259.6	1230.3	1200.4	1551.8	2100.0	2110.3	2085.0
62.5°	1481.1	997.4	828.3	813.9	820.8	930.1	1500.1	2022.3	1960.2	1905.6
65°	1195.2	727.0	601.6	582.7	650.0	767.9	1214.2	1550.7	1455.2	1409.8
67.5°	750.6	530.3	406.7	371.0	452.1	528.6	797.8	974.4	867.4	804.7
70°	445.2	296.2	184.1	165.1	185.8	281.8	446.9	486.0	402.1	369.8
72.5°	175.4	108.7	51.2	43.7	45.4	98.9	164.5	160.5	121.4	108.1
75°	47.2	32.8	17.8	14.4	12.1	18.4	26.5	17.3	6.3	8.1
77.5°	21.9	19.6	15.5	12.1	9.2	6.9	3.5	1.2	1.2	0.6
80°	19.0	16.7	14.4	12.1	9.2	5.8	2.9	0.6	0.6	0.6
82.5°	17.8	15.5	13.2	10.9	8.6	5.8	2.9	0.6	0.0	0.0
85°	7.5	9.8	10.9	10.4	9.2	5.8	2.9	0.6	0.0	0.0
87.5°	4.0	3.5	2.9	2.3	1.7	1.2	1.2	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

(END OF REPORT)