

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: P526547

Luminaire Tested: **GALN-SA1C-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526547
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-SA1C-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 3581 lumens
Efficiency: N/A
Efficacy: 62.8 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

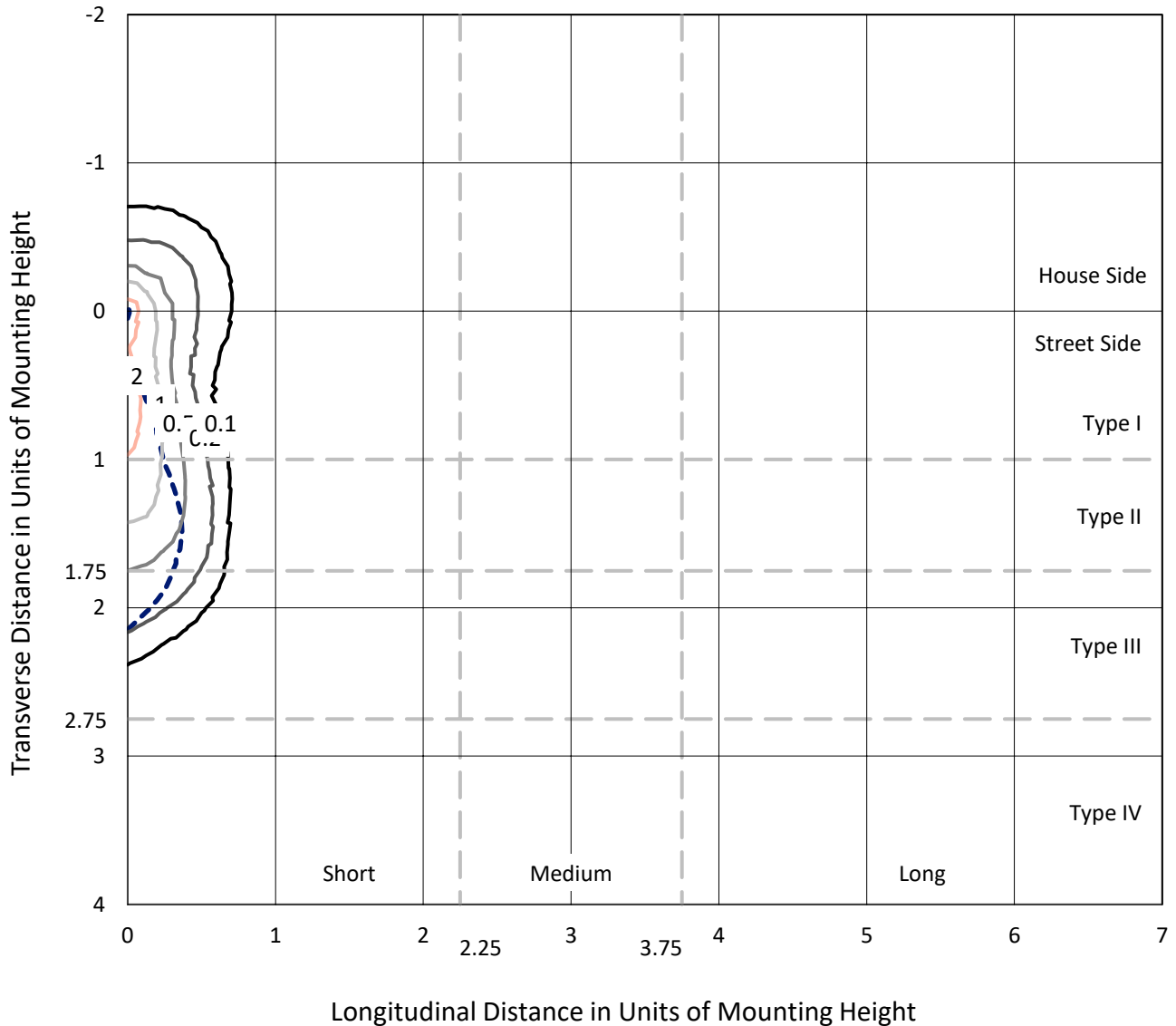
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526547
 CATALOG NUMBER: GALN-SA1C-730-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

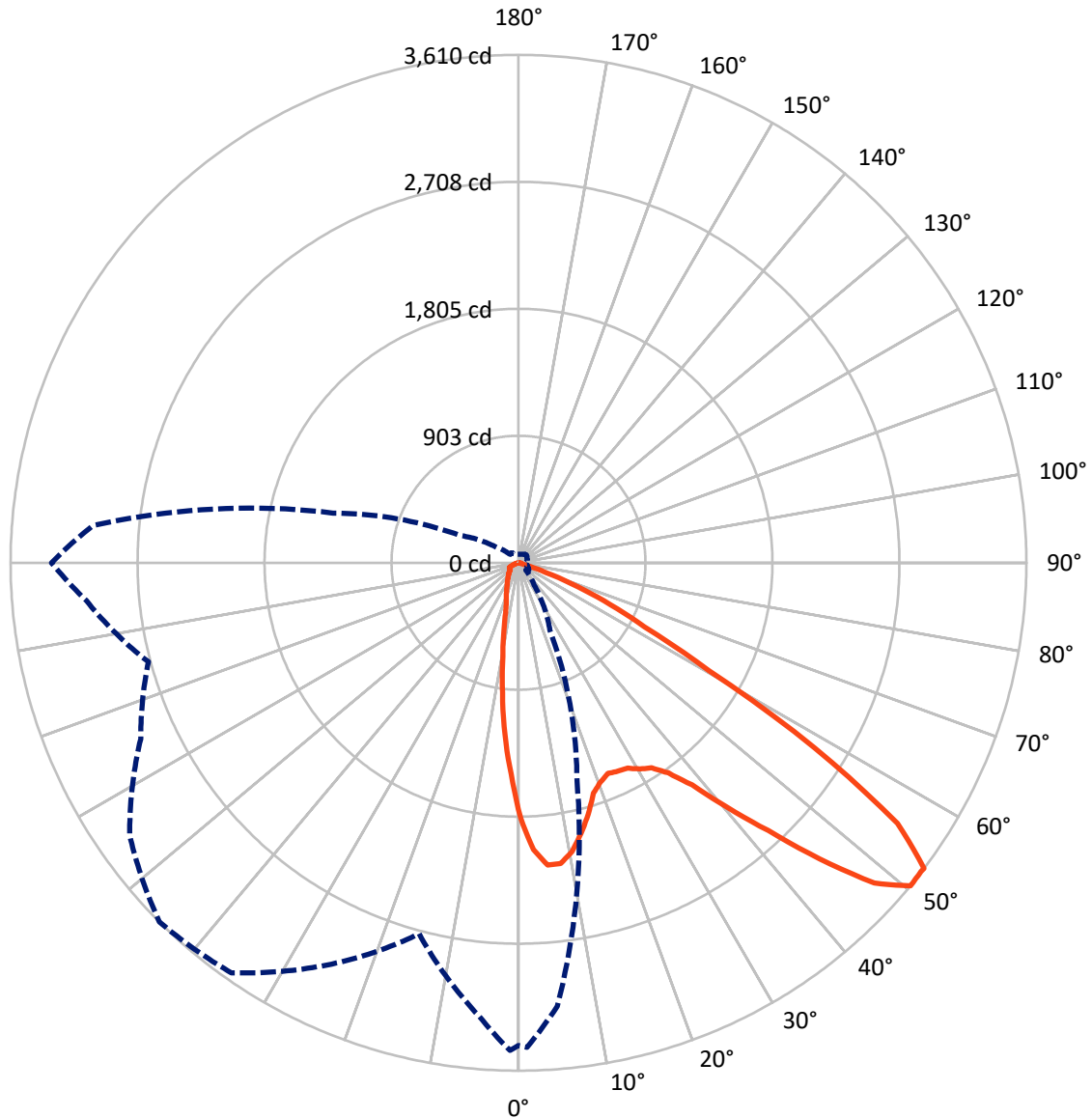
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - N/A

REPORT NUMBER: P526547
CATALOG NUMBER: GALN-SA1C-730-U-SLR-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526547
 CATALOG NUMBER: GALN-SA1C-730-U-SLR-GRSBK

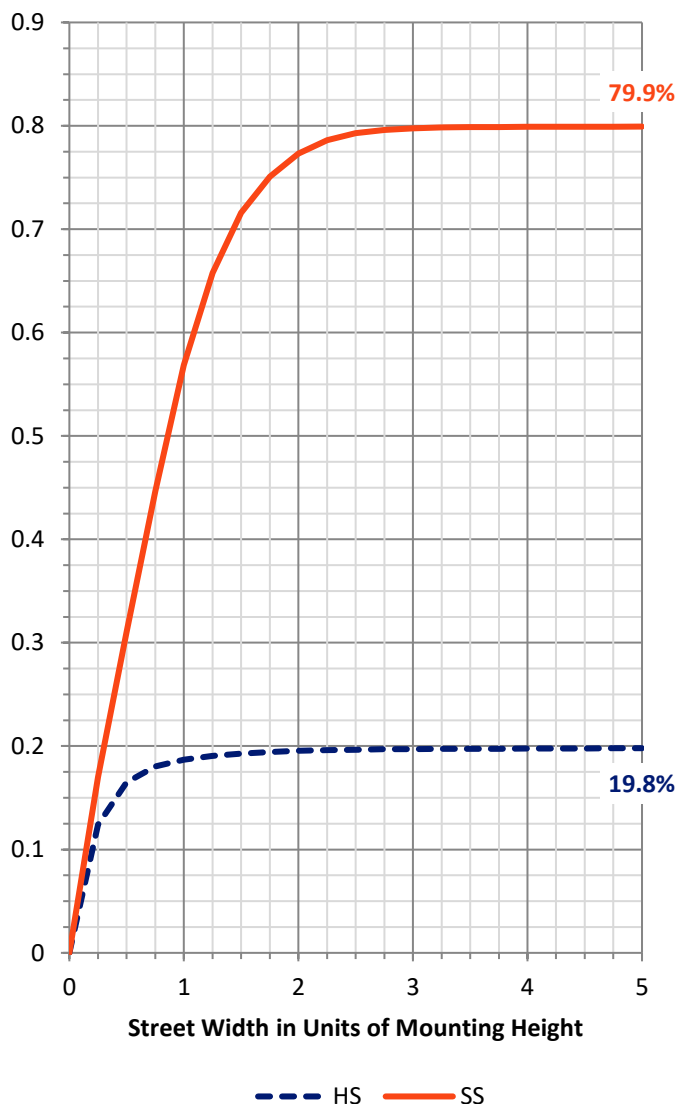
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	717.3	0.0	717.3
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2863.7	0.0	2863.7
	% Fixture	80.0	0.0	80.0
Total	Lumens	3581.0	0.0	3581.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	3.7
10°-20°	263.1	7.3
20°-30°	395.2	11.0
30°-40°	593.2	16.6
40°-50°	833.7	23.3
50°-60°	899.3	25.1
60°-70°	417.6	11.7
70°-80°	39.3	1.1
80°-90°	7.2	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°	3581.0	100.0
0°-180°	3581.0	100.0

Coefficient of Utilization

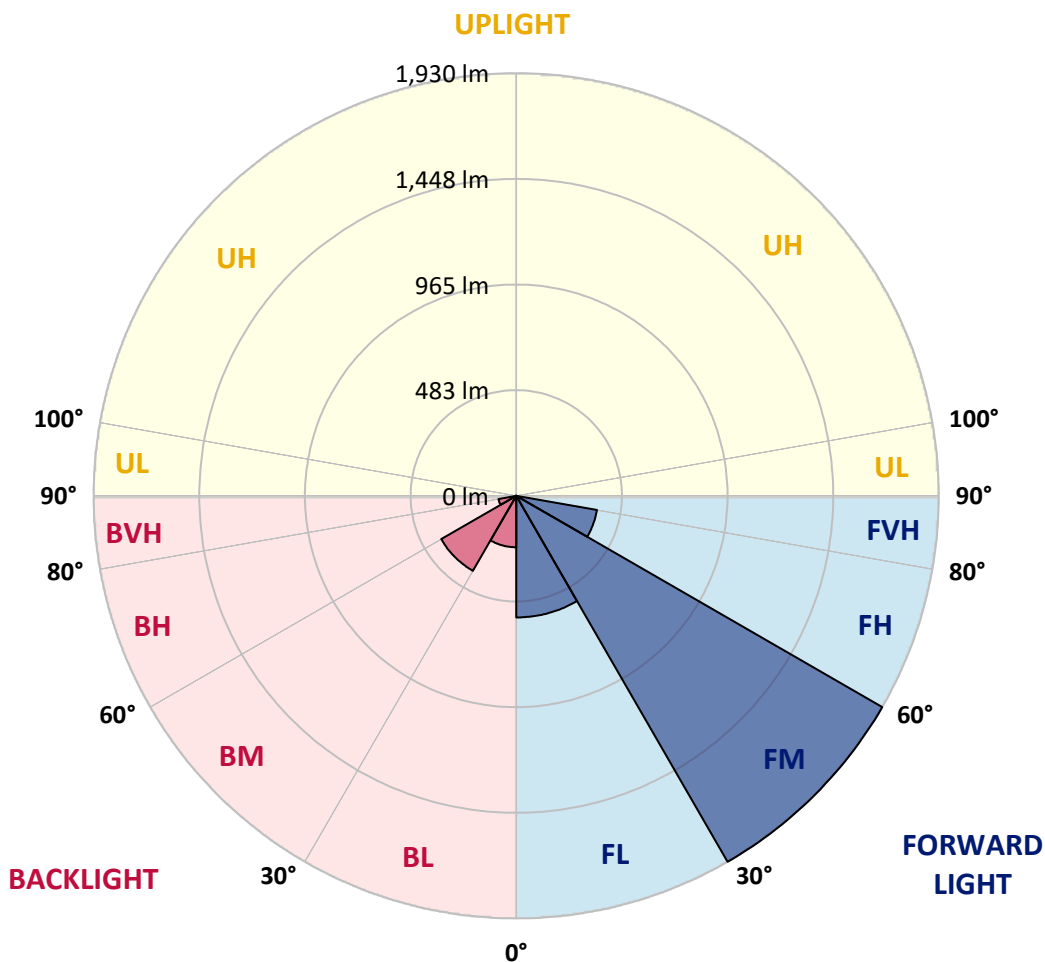


REPORT NUMBER: P526547
 CATALOG NUMBER: GALN-SA1C-730-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.6	15.5			
FM (30°-60°)	1930.4	53.9			
FH (60°-80°)	374.5	10.5			G0/660
FVH (80°-90°)	3.3	0.1			G0/10
BL (0°-30°)	235.1	6.6	B1/500		
BM (30°-60°)	395.8	11.1	B1/1000		
BH (60°-80°)	82.4	2.3	B0/110		G0/110
BVH (80°-90°)	4.0	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: P526547

CATALOG NUMBER: GALN-SA1C-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0
2.5°	1887.8	1858.6	1821.7	1791.2	1745.7	1654.0	1629.2	1599.3	1574.5	1541.1	1494.2
5°	1716.5	1707.3	1690.3	1575.2	1492.0	1381.2	1290.3	1251.9	1201.4	1160.2	1130.4
7.5°	1585.8	1548.9	1494.9	1379.1	1246.2	1127.6	1026.7	967.7	900.9	878.2	837.7
10°	1445.9	1454.4	1374.8	1212.1	1051.5	955.6	893.1	836.2	775.9	736.1	678.5
12.5°	1401.1	1373.4	1312.3	1111.2	974.1	884.6	808.5	738.2	674.3	610.3	554.9
15°	1430.2	1387.6	1302.3	1089.9	914.4	802.9	707.7	612.4	553.5	471.8	414.2
17.5°	1534.7	1500.6	1386.2	1112.6	883.9	724.7	583.3	485.3	395.0	321.1	292.0
20°	1708.7	1660.4	1516.9	1141.8	838.4	630.2	473.2	352.4	267.1	235.9	219.5
22.5°	1879.3	1853.0	1671.8	1197.9	797.9	546.4	355.2	237.3	199.6	194.0	183.3
25°	2203.9	2125.1	1908.4	1299.5	766.6	467.5	267.9	191.1	169.1	164.8	166.3
27.5°	2397.2	2331.1	2127.2	1367.0	731.8	407.1	226.6	175.5	160.6	151.3	147.8
30°	2582.6	2505.9	2235.9	1406.8	657.2	343.2	201.1	168.4	164.8	151.3	147.1
32.5°	2725.4	2650.1	2392.9	1466.5	626.7	302.0	165.5	131.4	122.2	120.8	133.6
35°	2944.3	2864.0	2527.2	1499.1	603.2	280.6	143.5	117.2	106.6	102.3	103.0
37.5°	3148.2	3093.5	2651.6	1511.9	578.3	274.3	128.6	105.2	95.9	93.1	92.4
40°	3318.7	3196.5	2769.5	1525.4	567.7	262.2	119.4	95.9	89.5	85.3	85.3
42.5°	3396.9	3272.5	2901.7	1517.6	564.8	243.0	119.4	88.1	83.1	78.9	78.2
45°	3379.8	3329.4	2960.6	1514.1	564.8	223.8	108.7	86.0	78.9	73.2	71.8
47.5°	3423.9	3357.8	3034.5	1529.0	553.5	210.3	91.7	90.2	74.6	67.5	66.1
50°	3431.7	3444.5	3163.1	1606.4	528.6	193.3	71.8	88.8	71.8	61.1	59.7
52°	3482.8	3403.3	3202.2	1647.6	502.3	180.5	60.4	76.0	68.9	56.8	55.4
52.5°	3412.5	3464.4	3211.4	1662.6	505.2	171.9	58.3	74.6	67.5	56.8	53.3
55°	3333.6	3383.4	3173.8	1694.5	463.2	135.0	45.5	54.0	61.1	49.7	47.6
57.5°	2897.4	2947.8	2758.1	1551.7	377.3	95.2	37.7	40.5	54.0	46.2	44.1
60°	2575.5	2539.3	2314.8	1294.5	267.9	53.3	29.8	31.3	59.0	42.6	41.9
62.5°	2353.9	2276.4	1934.7	999.7	163.4	35.5	23.4	24.2	45.5	39.8	39.8
65°	1741.4	1654.7	1285.3	604.6	80.3	24.9	17.8	19.2	28.4	34.1	34.1
67.5°	994.0	960.6	621.0	272.8	33.4	15.6	13.5	14.9	22.0	27.7	26.3
70°	456.8	410.0	238.7	57.5	15.6	10.7	10.7	12.1	17.8	20.6	19.2
72.5°	133.6	126.5	58.3	9.2	6.4	6.4	7.1	9.2	13.5	15.6	14.2
75°	9.9	6.4	4.3	2.8	2.8	4.3	5.7	9.2	13.5	14.9	12.1
77.5°	0.7	1.4	0.7	0.7	2.1	4.3	6.4	11.4	17.8	18.5	13.5
80°	0.7	0.7	0.0	0.7	2.1	4.3	7.1	12.8	19.9	21.3	11.4
82.5°	0.0	0.0	0.0	0.7	2.8	5.7	8.5	13.5	18.5	22.7	12.1
85°	0.0	0.0	0.0	0.7	4.3	7.8	9.9	3.6	2.1	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: P526547

CATALOG NUMBER: GALN-SA1C-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0
2.5°	1527.6	1509.1	1502.0	1508.4	1506.2	1504.1	1543.2	1534.7	1533.2	1546.0	1543.2
5°	1146.7	1114.1	1203.6	1167.3	1205.0	1227.7	1232.0	1234.1	1260.4	1232.7	1268.9
7.5°	817.1	825.6	824.9	849.0	892.4	930.7	953.5	935.7	934.3	930.7	915.1
10°	652.9	638.0	635.2	629.5	643.0	675.7	703.4	681.4	665.7	687.0	680.7
12.5°	533.6	513.0	501.6	478.9	479.6	501.6	501.6	501.6	517.2	529.3	538.6
15°	409.2	392.2	392.2	369.5	364.5	365.2	376.6	378.0	402.8	410.0	413.5
17.5°	286.3	277.1	287.7	297.0	291.3	292.7	297.0	298.4	302.0	299.1	306.2
20°	220.3	218.8	221.7	238.0	250.1	257.2	252.2	245.1	240.9	230.9	230.9
22.5°	186.9	189.7	194.7	208.2	223.8	228.1	222.4	206.0	193.3	191.8	192.5
25°	166.3	169.1	176.9	185.4	194.0	201.1	195.4	183.3	176.2	169.8	169.8
27.5°	153.5	154.9	159.2	165.5	172.6	178.3	176.2	169.8	162.0	159.2	152.8
30°	143.5	145.7	150.6	152.0	158.4	161.3	157.7	156.3	151.3	147.8	145.7
32.5°	138.5	137.8	141.4	142.8	143.5	145.7	141.4	143.5	142.8	137.1	135.0
35°	104.4	110.1	119.4	127.2	129.3	132.2	131.4	128.6	120.8	114.4	106.6
37.5°	93.8	97.3	102.3	108.7	117.2	120.8	119.4	112.3	103.0	98.8	97.3
40°	86.7	88.8	93.1	97.3	105.9	112.3	107.3	100.9	93.8	90.2	88.1
42.5°	80.3	81.0	83.1	87.4	93.8	103.7	95.2	86.7	83.8	81.7	80.3
45°	73.2	73.2	76.0	78.2	85.3	94.5	86.0	78.2	76.7	75.3	74.6
47.5°	67.5	68.2	69.6	72.5	78.2	84.5	78.9	72.5	68.9	68.2	66.8
50°	60.4	61.1	63.9	66.8	73.9	77.4	73.9	66.8	63.2	61.1	61.1
52°	54.7	56.8	59.7	65.4	70.3	76.0	71.8	63.9	59.7	57.5	56.1
52.5°	54.0	55.4	58.3	64.7	70.3	75.3	71.0	63.2	58.3	56.8	55.4
55°	48.3	50.4	55.4	63.2	69.6	75.3	69.6	62.5	55.4	51.9	50.4
57.5°	46.2	47.6	54.0	63.9	68.9	75.3	69.6	62.5	55.4	49.0	47.6
60°	44.1	46.9	54.0	61.8	68.2	76.0	70.3	61.8	54.0	46.2	46.2
62.5°	41.9	44.1	53.3	60.4	65.4	73.2	67.5	60.4	51.9	44.1	43.3
65°	36.2	39.8	46.9	50.4	56.1	63.2	57.5	52.6	45.5	39.1	38.4
67.5°	27.7	29.1	34.8	39.1	42.6	49.0	46.2	39.8	34.8	29.8	29.8
70°	19.2	20.6	24.9	27.0	30.6	34.1	32.0	27.0	23.4	20.6	19.9
72.5°	13.5	14.2	15.6	17.1	18.5	19.9	19.2	15.6	13.5	12.8	12.1
75°	10.7	12.1	12.8	12.1	11.4	10.7	10.7	9.2	7.8	7.1	7.1
77.5°	10.7	11.4	10.7	9.2	7.8	7.1	6.4	5.7	4.3	3.6	4.3
80°	9.2	9.2	9.2	7.8	7.1	6.4	5.7	5.0	4.3	3.6	3.6
82.5°	9.9	9.9	9.2	7.8	7.8	6.4	6.4	5.7	5.0	3.6	3.6
85°	0.0	0.0	0.0	1.4	3.6	6.4	6.4	5.7	5.0	4.3	4.3
87.5°	0.0	0.0	0.0	0.0	0.7	1.4	2.8	3.6	4.3	4.3	4.3
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: P526547

CATALOG NUMBER: GALN-SA1C-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0
2.5°	1568.8	1595.8	1646.9	1698.1	1729.3	1766.3	1833.1	1868.6	1914.8	1937.5	1982.3
5°	1264.0	1327.9	1350.6	1408.9	1471.4	1534.0	1633.4	1742.8	1833.8	1896.3	1977.3
7.5°	922.2	937.1	1025.2	1064.3	1166.6	1280.3	1416.0	1553.8	1668.9	1771.3	1833.1
10°	691.3	746.0	801.4	876.0	958.5	1075.7	1205.7	1357.8	1507.0	1609.3	1687.4
12.5°	555.6	598.9	672.8	753.1	854.7	932.2	1062.9	1213.5	1406.8	1507.0	1610.0
15°	420.6	476.0	559.9	643.0	750.3	832.0	964.1	1153.8	1402.5	1540.3	1629.2
17.5°	311.9	349.6	424.9	517.9	627.4	742.5	920.8	1147.4	1450.1	1614.2	1705.9
20°	238.7	251.5	299.1	382.2	500.9	651.5	850.5	1175.2	1590.8	1794.0	1887.1
22.5°	193.3	198.9	217.4	275.0	390.1	571.9	817.1	1194.3	1749.2	2009.3	2133.6
25°	168.4	167.0	179.0	203.9	304.8	497.3	774.4	1266.8	1943.2	2262.2	2373.8
27.5°	153.5	153.5	159.2	176.9	252.9	449.0	747.4	1318.7	2138.6	2484.6	2545.0
30°	145.7	147.1	163.4	169.1	210.3	391.5	702.7	1371.3	2325.4	2626.7	2709.8
32.5°	135.0	129.3	125.8	140.0	176.9	339.6	657.9	1393.3	2476.8	2800.8	2871.8
35°	103.7	100.9	105.2	115.8	152.0	295.6	608.2	1418.1	2650.8	3002.5	3016.8
37.5°	93.8	93.1	95.9	105.2	127.9	257.2	572.7	1411.7	2783.7	3169.5	3131.1
40°	86.7	86.7	88.8	96.6	114.4	230.2	535.7	1406.1	2912.3	3357.1	3244.8
42.5°	81.0	81.0	84.5	89.5	108.7	212.4	508.0	1398.2	3020.3	3472.2	3311.6
45°	73.2	75.3	81.0	86.0	110.1	200.4	487.4	1368.4	3057.2	3470.8	3279.6
47.5°	67.5	70.3	76.0	83.1	99.5	196.8	473.2	1342.1	3044.5	3385.5	3179.5
50°	61.1	64.7	72.5	84.5	84.5	189.7	458.3	1365.6	3035.2	3319.4	3083.5
52°	56.8	59.7	69.6	82.4	73.9	174.8	449.0	1411.0	3072.9	3310.9	3040.9
52.5°	56.1	58.3	67.5	81.0	70.3	171.9	442.6	1421.7	3085.0	3289.6	3070.0
55°	49.7	52.6	61.8	63.2	57.5	141.4	422.0	1445.9	3025.3	3247.7	3042.3
57.5°	46.9	48.3	54.7	51.9	49.7	106.6	363.1	1408.2	2687.1	2884.6	2830.6
60°	43.3	44.8	51.2	40.5	41.9	74.6	272.8	1222.8	2157.8	2403.6	2500.9
62.5°	41.9	41.2	48.3	32.7	35.5	54.0	192.5	994.0	1662.6	1978.7	2147.1
65°	36.9	36.2	34.8	27.7	30.6	41.9	115.1	648.7	1171.6	1497.0	1589.4
67.5°	28.4	29.8	25.6	22.0	25.6	32.7	63.9	290.6	614.6	898.1	972.7
70°	19.9	21.3	20.6	19.2	22.7	27.0	36.9	99.5	254.4	471.8	520.1
72.5°	12.1	14.9	15.6	16.3	19.9	23.4	26.3	32.0	67.5	167.0	207.5
75°	7.1	9.9	12.1	14.2	16.3	19.9	22.0	22.7	23.4	31.3	50.4
77.5°	5.0	7.1	10.7	13.5	16.3	19.9	23.4	24.9	23.4	22.0	23.4
80°	4.3	7.1	9.9	12.8	17.1	20.6	23.4	23.4	22.7	19.9	21.3
82.5°	4.3	7.1	10.7	13.5	16.3	19.9	22.7	23.4	21.3	19.9	20.6
85°	5.0	7.8	11.4	14.2	17.8	16.3	14.9	12.1	11.4	9.2	9.9
87.5°	5.0	7.1	7.1	7.8	8.5	8.5	8.5	7.8	6.4	5.7	5.7
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: P526547

CATALOG NUMBER: GALN-SA1C-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0	1816.0
2.5°	1984.4	2041.2	2039.1	2040.5	2032.0	1974.5	1946.7	1876.4	1896.3	1887.8
5°	2060.4	2116.6	2164.9	2159.2	2093.8	2015.7	1899.9	1790.4	1760.6	1716.5
7.5°	1984.4	2119.4	2164.2	2157.8	2061.1	1961.0	1776.2	1666.8	1614.9	1585.8
10°	1863.6	2019.9	2075.3	2086.7	2021.4	1869.3	1699.5	1524.0	1496.3	1445.9
12.5°	1794.7	1908.4	1942.5	1973.0	1950.3	1836.6	1641.2	1472.9	1434.5	1401.1
15°	1738.6	1806.1	1820.3	1855.1	1868.6	1807.5	1671.8	1528.3	1433.8	1430.2
17.5°	1790.4	1762.7	1710.9	1721.5	1764.2	1808.2	1750.7	1637.7	1546.0	1534.7
20°	1876.4	1754.2	1637.0	1663.3	1698.8	1833.8	1870.0	1790.4	1737.9	1708.7
22.5°	1975.2	1769.1	1613.5	1626.3	1693.8	1891.3	2063.3	2019.2	1921.2	1879.3
25°	2157.8	1810.3	1632.0	1640.5	1732.9	1971.6	2238.1	2270.7	2212.5	2203.9
27.5°	2336.1	1916.9	1672.5	1653.3	1752.8	2049.8	2343.9	2519.4	2417.1	2397.2
30°	2427.0	2003.6	1732.9	1700.2	1835.2	2097.4	2407.9	2681.4	2591.9	2582.6
32.5°	2566.3	2082.5	1779.8	1737.9	1881.4	2156.3	2527.2	2858.3	2771.6	2725.4
35°	2624.6	2168.4	1882.8	1833.8	2013.5	2238.8	2588.3	3016.0	2989.0	2944.3
37.5°	2736.8	2260.8	2004.3	2001.5	2173.4	2346.0	2698.4	3230.6	3225.6	3148.2
40°	2746.1	2361.7	2196.1	2285.7	2420.6	2532.9	2795.1	3290.3	3371.3	3318.7
42.5°	2760.3	2538.6	2527.9	2601.8	2717.6	2693.5	2798.6	3304.5	3428.1	3396.9
45°	2766.7	2715.5	2865.4	3001.8	3050.1	2903.8	2765.2	3277.5	3458.0	3379.8
47.5°	2715.5	2867.5	3138.2	3401.8	3416.0	3033.1	2751.0	3249.8	3475.7	3423.9
50°	2722.6	2962.8	3374.1	3610.0	3558.1	3147.5	2729.0	3232.7	3466.5	3431.7
52°	2705.6	2964.9	3407.5	3605.7	3569.5	3084.2	2691.3	3167.4	3458.0	3482.8
52.5°	2724.7	2952.1	3372.7	3608.6	3561.7	3115.5	2686.4	3203.6	3462.9	3412.5
55°	2658.7	2800.1	3168.8	3269.0	3261.9	2827.8	2533.6	3083.5	3332.9	3333.6
57.5°	2402.9	2427.0	2485.3	2483.2	2450.5	2223.1	2167.0	2835.6	2971.3	2897.4
60°	2117.3	1776.9	1619.9	1556.0	1519.7	1482.8	1916.9	2594.0	2606.8	2575.5
62.5°	1829.5	1232.0	1023.1	1005.3	1013.9	1148.9	1853.0	2498.1	2421.4	2353.9
65°	1476.4	898.1	743.2	719.7	802.9	948.5	1499.8	1915.5	1797.5	1741.4
67.5°	927.2	655.1	502.3	458.3	558.4	652.9	985.5	1203.6	1071.4	994.0
70°	549.9	365.9	227.4	203.9	229.5	348.1	552.1	600.4	496.6	456.8
72.5°	216.7	134.3	63.2	54.0	56.1	122.2	203.2	198.2	149.9	133.6
75°	58.3	40.5	22.0	17.8	14.9	22.7	32.7	21.3	7.8	9.9
77.5°	27.0	24.2	19.2	14.9	11.4	8.5	4.3	1.4	1.4	0.7
80°	23.4	20.6	17.8	14.9	11.4	7.1	3.6	0.7	0.7	0.7
82.5°	22.0	19.2	16.3	13.5	10.7	7.1	3.6	0.7	0.0	0.0
85°	9.2	12.1	13.5	12.8	11.4	7.1	3.6	0.7	0.0	0.0
87.5°	5.0	4.3	3.6	2.8	2.1	1.4	1.4	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)