

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: P526678

Luminaire Tested: **GALN-SA1C-827-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-827-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3895 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

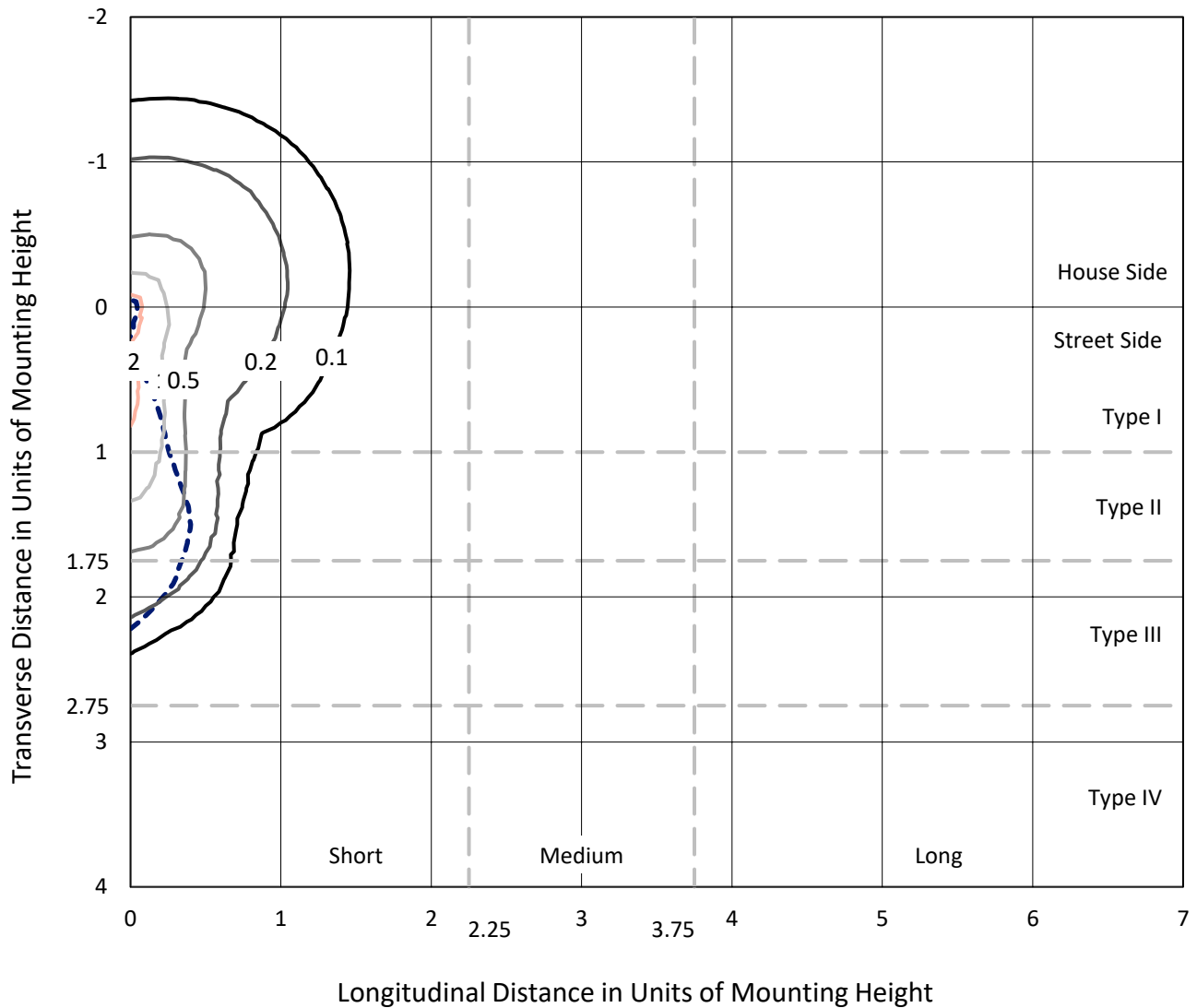
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

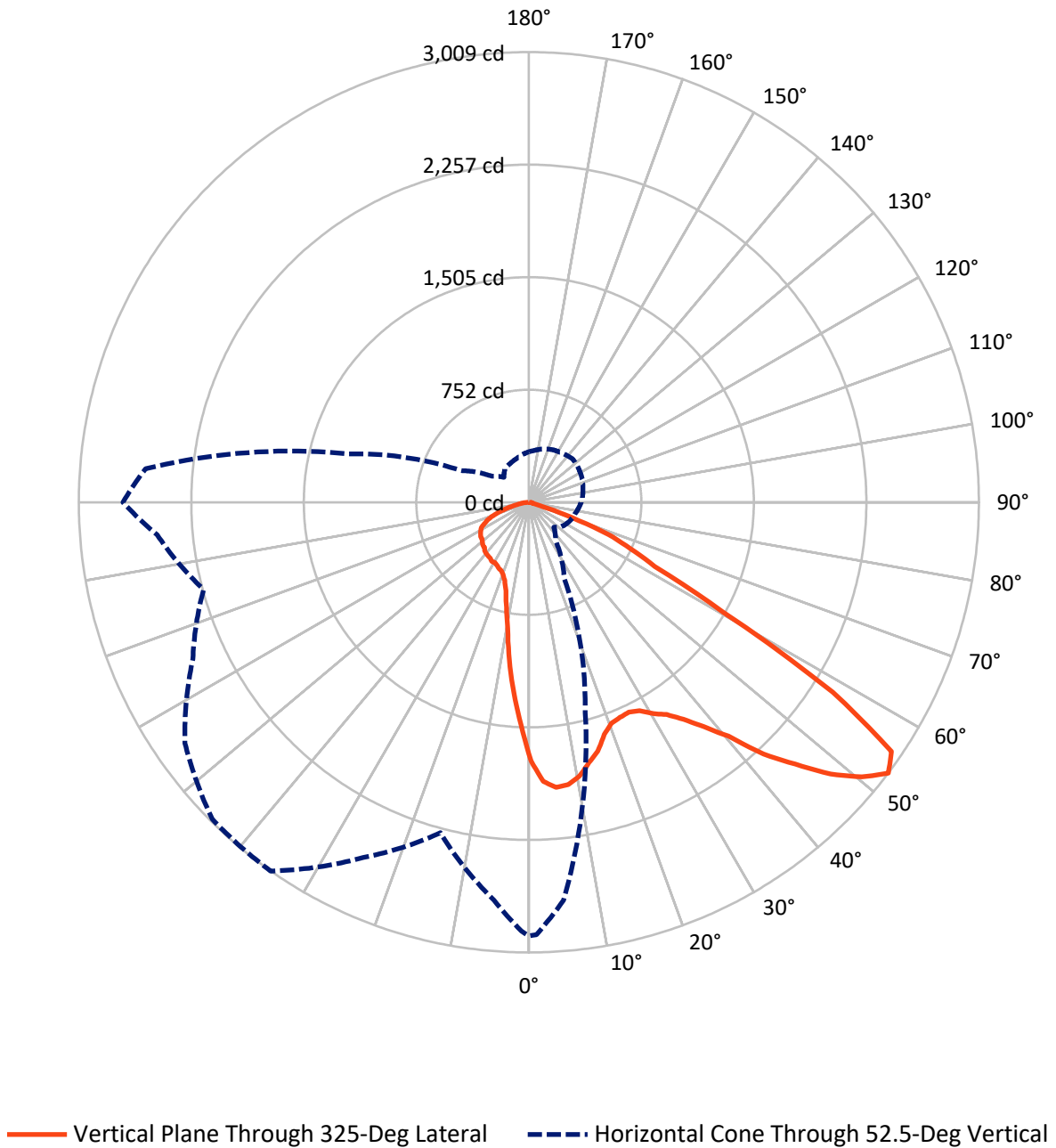
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1174.2	0.0	1174.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	2720.8	0.0	2720.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	3895.0	0.0	3895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	3.4
10°-20°	285.9	7.3
20°-30°	432.0	11.1
30°-40°	624.2	16.0
40°-50°	830.7	21.3
50°-60°	929.2	23.9
60°-70°	523.7	13.4
70°-80°	116.7	3.0
80°-90°	20.8	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°	3895.0	100.0
0°-180°	3895.0	100.0

Coefficient of Utilization



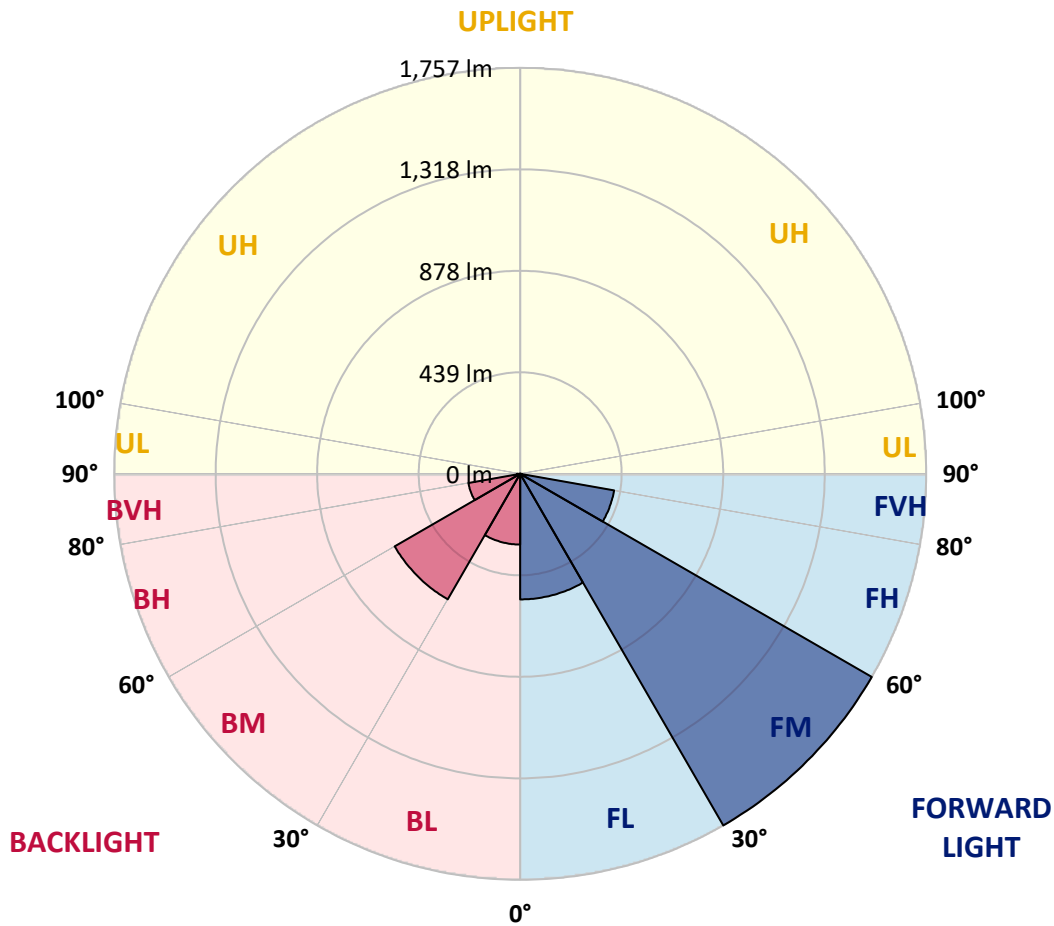
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.5	14.0			
FM (30°-60°)	1756.9	45.1			
FH (60°-80°)	412.8	10.6			G0/660
FVH (80°-90°)	7.5	0.2			G0/10
BL (0°-30°)	306.2	7.9	B1/500		
BM (30°-60°)	627.1	16.1	B1/1000		
BH (60°-80°)	227.6	5.8	B1/500		G1/500
BVH (80°-90°)	13.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1757.4	1785.6	1755.2	1701.0	1662.6	1627.6	1590.9	1583.5	1535.6	1527.1	1492.1
5°	1657.5	1651.3	1614.0	1542.9	1464.4	1393.3	1340.8	1290.0	1255.5	1215.5	1212.6
7.5°	1536.1	1500.0	1478.5	1370.7	1273.6	1161.8	1113.8	1036.5	1012.2	976.1	957.5
10°	1427.7	1401.2	1350.9	1243.1	1107.6	1033.7	982.3	940.5	912.3	875.0	828.2
12.5°	1374.1	1363.4	1306.9	1139.8	1039.3	960.3	924.2	883.5	835.5	775.7	752.5
15°	1383.7	1347.6	1304.7	1120.0	981.2	905.0	847.4	796.6	735.0	678.0	644.7
17.5°	1455.4	1427.7	1341.9	1132.5	959.2	849.1	744.6	669.5	614.2	562.8	539.7
20°	1596.5	1556.4	1459.9	1148.3	911.7	771.2	651.5	558.9	499.6	472.5	464.6
22.5°	1752.9	1729.2	1575.1	1183.8	873.9	698.9	552.7	460.1	438.1	430.7	445.4
25°	1943.2	1881.6	1754.0	1242.0	844.6	637.4	469.1	417.8	406.5	413.8	430.7
27.5°	2087.7	2071.3	1879.4	1296.8	804.5	563.4	422.3	388.4	391.8	399.1	414.9
30°	2259.3	2176.3	2000.7	1334.6	768.3	512.6	389.5	380.5	383.9	396.3	404.2
32.5°	2362.6	2331.6	2076.9	1391.6	726.6	468.6	364.1	355.7	360.7	379.4	398.0
35°	2494.1	2432.6	2171.2	1406.3	697.2	451.1	346.1	339.9	351.7	364.7	385.6
37.5°	2647.7	2605.4	2301.6	1396.1	681.4	433.0	330.8	328.0	336.5	354.5	378.8
40°	2738.6	2725.6	2369.9	1402.3	656.6	417.2	313.3	316.7	334.2	348.3	372.0
42.5°	2826.1	2741.4	2471.0	1400.1	640.8	395.7	315.0	311.1	324.6	341.0	363.6
45°	2845.3	2761.2	2494.7	1384.3	621.6	374.9	302.0	303.7	320.1	340.4	355.1
47.5°	2832.9	2770.8	2538.7	1379.7	603.5	360.2	282.8	303.2	312.8	329.1	350.0
50°	2824.4	2821.0	2576.0	1401.2	579.2	337.0	259.7	295.8	305.4	321.8	344.4
52.5°	2898.9	2891.6	2669.2	1457.6	560.0	312.2	236.0	277.2	300.3	316.1	338.2
55°	2944.1	2911.9	2828.9	1527.1	527.8	279.4	219.6	254.0	287.9	302.0	324.6
57.5°	2648.3	2626.2	2559.1	1425.5	473.7	236.5	199.3	230.3	271.0	293.0	316.1
60°	2203.4	2169.0	1996.8	1211.5	349.5	184.0	186.9	211.7	266.5	274.9	302.0
62.5°	2077.5	1992.3	1758.0	975.0	268.2	158.1	167.7	194.8	242.8	256.9	284.0
65°	1648.5	1585.2	1257.8	704.0	179.5	137.2	153.0	175.6	209.4	237.1	261.9
67.5°	1032.0	971.6	671.2	333.1	125.3	117.4	136.6	160.3	188.0	212.8	240.5
70°	539.1	473.1	309.9	120.2	86.4	96.0	114.0	136.6	163.7	184.0	205.5
72.5°	201.0	163.2	101.1	51.9	59.8	73.4	92.6	109.0	128.2	153.0	164.8
75°	31.0	26.5	26.0	31.6	40.6	53.1	66.1	82.4	99.4	115.2	123.1
77.5°	14.7	14.1	15.8	20.9	27.1	37.8	48.0	63.8	77.3	87.5	92.0
80°	9.6	9.0	10.2	14.1	20.3	28.2	38.4	49.1	61.5	70.0	68.9
82.5°	5.6	6.2	6.2	9.6	14.1	20.3	27.7	37.3	45.7	53.1	48.6
85°	3.4	2.8	2.8	5.6	9.6	16.4	23.1	15.8	16.4	16.4	18.6
87.5°	1.1	1.1	1.1	0.6	1.1	1.1	1.7	2.8	3.4	4.0	5.1
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°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1491.0	1508.5	1502.2	1480.2	1497.2	1500.0	1488.7	1527.6	1535.0	1523.1	1526.5
5°	1208.7	1213.2	1223.4	1244.8	1260.1	1278.1	1278.1	1279.3	1264.0	1302.4	1291.1
7.5°	941.7	944.5	956.3	1002.1	1015.0	1049.5	1064.2	1054.0	1023.5	1010.5	1021.3
10°	812.9	796.6	792.6	798.3	827.6	842.3	854.7	851.3	846.2	836.1	824.8
12.5°	727.1	715.3	705.7	692.1	693.8	707.9	717.5	709.6	711.9	714.1	717.5
15°	634.0	625.5	620.4	600.1	597.8	607.4	610.8	615.3	623.8	624.4	620.4
17.5°	535.2	527.8	539.1	550.4	542.5	543.1	549.3	553.3	551.0	540.8	535.7
20°	467.4	475.3	486.6	497.4	505.8	510.9	513.2	507.0	499.6	478.7	478.2
22.5°	447.7	457.8	467.4	483.8	491.7	504.7	492.8	478.7	468.6	458.4	446.6
25°	433.0	441.5	460.7	466.9	482.1	492.8	484.4	470.3	452.8	438.1	429.1
27.5°	422.3	431.9	444.3	461.2	473.1	479.3	470.8	465.2	447.1	429.6	416.6
30°	415.5	425.7	448.2	462.4	472.5	477.6	462.9	456.1	443.2	428.5	417.2
32.5°	411.0	420.0	439.2	457.3	464.1	464.1	466.3	458.4	440.3	415.5	405.9
35°	396.3	408.7	424.5	445.4	457.8	465.2	453.9	444.9	433.0	407.6	390.1
37.5°	387.8	396.3	416.6	436.4	447.1	455.0	450.5	434.7	418.9	398.0	383.9
40°	378.8	392.4	410.4	429.1	440.9	448.8	445.4	426.8	407.6	387.8	378.2
42.5°	372.6	381.6	400.3	421.1	435.3	450.5	440.3	417.2	403.6	376.5	365.8
45°	367.5	382.2	402.0	410.4	425.1	440.9	422.8	408.7	392.9	373.2	364.1
47.5°	361.3	374.9	387.8	410.4	417.2	424.5	421.1	398.6	385.0	363.6	357.4
50°	359.0	364.1	387.8	400.3	409.9	417.2	408.2	391.2	378.2	356.2	342.7
52.5°	350.0	359.6	374.9	391.2	403.1	412.1	397.4	386.7	369.2	346.1	337.6
55°	338.7	344.4	371.5	388.4	394.6	400.8	395.2	377.7	359.6	335.9	327.4
57.5°	324.0	337.0	359.0	382.8	390.7	394.0	385.0	370.9	348.3	327.4	313.9
60°	308.8	322.4	346.6	365.8	373.7	386.1	372.6	364.1	338.2	315.0	300.3
62.5°	293.6	308.8	326.9	351.1	357.9	363.0	359.6	347.8	326.9	300.9	282.8
65°	275.5	286.8	309.4	321.8	326.3	338.2	326.3	321.8	303.2	278.3	263.1
67.5°	248.4	258.0	277.8	289.6	293.0	298.1	297.5	292.4	271.5	254.6	241.1
70°	217.3	225.8	238.2	252.3	254.0	260.3	254.6	253.5	239.9	216.8	209.4
72.5°	174.4	182.3	198.7	204.9	205.5	207.8	204.9	201.0	197.6	173.3	166.0
75°	133.8	138.3	146.2	151.9	151.9	154.7	153.0	149.0	140.0	124.8	117.4
77.5°	93.1	97.7	107.8	111.2	110.7	111.8	106.7	102.7	89.2	81.3	75.1
80°	67.7	70.6	75.6	77.9	78.5	80.2	74.0	70.6	62.7	53.6	50.8
82.5°	49.1	50.8	51.4	54.2	54.2	51.4	49.7	46.3	40.6	35.0	32.7
85°	20.3	20.9	21.5	24.8	25.4	30.5	28.2	26.5	23.1	19.8	18.1
87.5°	5.1	5.6	7.3	6.2	7.3	7.3	7.9	9.0	9.0	7.3	7.3
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°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1539.5	1544.0	1601.6	1608.9	1637.2	1666.0	1724.1	1765.9	1799.8	1821.8	1828.0
5°	1303.0	1331.8	1358.3	1401.2	1440.1	1495.5	1559.3	1638.3	1737.7	1788.5	1808.8
7.5°	1020.1	1054.0	1092.4	1134.2	1191.2	1290.5	1375.8	1467.2	1594.3	1646.8	1726.4
10°	832.7	870.5	921.3	953.5	1022.4	1117.2	1216.6	1322.2	1443.5	1519.2	1611.2
12.5°	736.2	767.2	814.1	881.8	933.2	994.7	1068.7	1201.9	1375.8	1447.5	1510.7
15°	629.5	663.9	718.1	793.2	854.7	928.1	1011.1	1156.2	1341.3	1452.0	1505.6
17.5°	541.4	566.2	623.3	688.2	758.7	838.9	958.0	1153.9	1377.5	1519.2	1606.7
20°	480.4	483.8	514.9	570.2	666.2	770.6	925.3	1142.6	1493.2	1634.9	1745.6
22.5°	442.0	438.6	439.2	486.1	553.3	703.4	873.9	1181.0	1624.7	1819.0	1893.5
25°	422.8	413.8	408.2	418.3	479.3	623.8	835.0	1231.8	1766.4	1970.8	2062.3
27.5°	412.7	396.9	385.6	387.3	431.9	583.7	810.7	1253.8	1907.0	2182.5	2214.7
30°	408.7	389.0	372.6	367.0	396.3	527.8	758.7	1291.7	2032.9	2298.8	2326.5
32.5°	394.6	370.3	354.5	349.5	361.3	478.7	721.5	1318.8	2144.1	2425.3	2415.7
35°	378.2	357.9	338.2	328.6	337.0	447.1	691.6	1305.8	2275.1	2523.5	2518.4
37.5°	376.5	350.0	333.6	317.8	317.3	408.2	650.9	1318.2	2358.7	2699.6	2630.2
40°	361.9	344.9	323.5	310.5	303.2	388.4	611.4	1288.8	2481.2	2770.8	2702.5
42.5°	362.4	337.0	318.4	303.2	295.8	359.6	584.3	1280.9	2524.1	2886.5	2736.3
45°	353.4	328.6	312.8	294.7	290.7	337.6	558.3	1244.2	2599.7	2892.1	2694.0
47.5°	344.4	322.4	305.4	284.0	274.9	329.7	538.0	1213.8	2560.2	2839.1	2635.3
50°	338.2	312.8	296.9	281.7	256.3	316.1	511.5	1206.4	2504.9	2767.4	2526.3
52.5°	327.4	304.9	288.5	276.6	236.0	303.7	501.3	1249.3	2572.6	2713.7	2494.7
55°	317.3	294.1	273.2	250.1	219.0	271.0	473.1	1289.4	2671.4	2837.4	2638.1
57.5°	306.5	284.5	261.9	234.3	202.7	237.1	443.7	1296.8	2486.2	2622.3	2504.3
60°	292.4	264.2	247.3	211.1	185.2	196.5	351.7	1143.2	1928.5	2189.9	2193.8
62.5°	276.6	246.1	231.5	189.1	167.1	169.4	286.8	960.8	1564.3	1812.7	1920.6
65°	255.7	226.4	208.9	175.0	154.1	146.8	210.0	704.0	1188.4	1470.6	1593.1
67.5°	228.6	201.0	179.0	152.4	137.7	125.9	143.4	396.3	701.7	987.4	1024.6
70°	199.8	176.1	153.0	131.0	114.6	106.1	105.0	175.6	335.3	531.2	604.6
72.5°	157.5	140.6	121.9	105.6	94.8	82.4	75.1	72.8	113.5	216.2	298.6
75°	112.9	98.8	88.1	77.3	69.4	62.7	57.0	51.9	47.4	54.2	74.5
77.5°	71.1	66.1	57.6	54.8	50.2	48.6	46.3	43.5	40.1	37.8	37.8
80°	48.0	44.6	41.8	41.2	39.5	39.0	39.5	36.7	33.3	30.5	31.6
82.5°	32.2	31.6	31.0	30.5	31.0	31.6	32.7	32.2	29.4	27.7	28.2
85°	19.2	20.3	21.5	22.6	24.8	22.0	18.1	15.2	13.5	12.4	11.9
87.5°	7.3	10.2	9.0	8.5	9.0	8.5	7.9	7.3	6.2	5.6	5.6
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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 CATALOG NUMBER: GALN-SA1C-827-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1869.2	1880.5	1890.1	1887.8	1868.1	1841.5	1830.8	1776.0	1764.8	1757.4
5°	1894.6	1960.1	1974.2	1965.7	1914.4	1849.4	1786.2	1706.0	1659.2	1657.5
7.5°	1847.7	1928.5	1953.9	1973.1	1904.8	1791.9	1683.5	1563.2	1533.9	1536.1
10°	1728.6	1857.3	1920.0	1939.8	1861.3	1763.6	1613.5	1491.5	1428.9	1427.7
12.5°	1662.6	1763.6	1781.1	1808.8	1785.6	1686.8	1572.8	1436.2	1375.2	1374.1
15°	1603.9	1670.5	1675.6	1714.5	1726.9	1660.3	1583.5	1437.9	1388.8	1383.7
17.5°	1655.2	1608.9	1589.7	1594.8	1631.5	1655.8	1645.6	1533.9	1483.6	1455.4
20°	1689.7	1586.4	1528.2	1533.9	1577.3	1666.0	1738.2	1672.7	1593.1	1596.5
22.5°	1781.7	1589.7	1498.9	1492.6	1561.5	1719.0	1842.7	1848.3	1771.5	1752.9
25°	1919.4	1628.7	1489.8	1488.1	1554.2	1776.0	1964.6	2056.1	1977.6	1943.2
27.5°	2030.1	1689.7	1518.1	1523.7	1577.3	1822.3	2068.5	2189.9	2130.0	2087.7
30°	2127.2	1752.9	1557.6	1531.6	1639.4	1846.6	2113.1	2342.3	2294.3	2259.3
32.5°	2167.3	1842.7	1620.2	1577.3	1690.8	1876.0	2205.7	2490.2	2449.0	2362.6
35°	2235.0	1892.9	1654.1	1650.7	1780.6	1946.5	2249.1	2587.9	2570.9	2494.1
37.5°	2289.2	1943.7	1774.4	1737.1	1903.6	2065.1	2319.1	2722.8	2683.8	2647.7
40°	2331.0	2034.6	1886.7	1935.8	2054.9	2172.9	2383.5	2731.2	2843.6	2738.6
42.5°	2292.6	2115.9	2071.3	2188.7	2301.6	2296.0	2390.8	2796.7	2880.9	2826.1
45°	2283.0	2253.6	2363.2	2469.9	2495.8	2398.2	2338.3	2724.5	2869.6	2845.3
47.5°	2259.9	2389.1	2580.0	2753.8	2714.3	2466.5	2275.7	2711.5	2876.3	2832.9
50°	2252.0	2418.5	2740.3	2909.6	2885.9	2525.8	2246.3	2627.9	2828.4	2824.4
52.5°	2251.4	2478.9	2806.9	2994.3	3009.0	2619.5	2286.4	2670.3	2865.6	2898.9
55°	2276.8	2459.7	2798.4	2947.5	2941.8	2577.7	2290.9	2698.5	2911.3	2944.1
57.5°	2147.5	2203.4	2309.5	2427.5	2397.0	2135.1	2045.9	2494.7	2672.0	2648.3
60°	1854.5	1679.5	1559.8	1554.2	1494.9	1413.0	1674.4	2226.6	2226.6	2203.4
62.5°	1624.2	1102.5	947.3	903.3	945.6	1039.9	1615.2	2165.6	2104.0	2077.5
65°	1420.4	841.7	684.8	672.4	745.8	888.0	1460.5	1844.9	1736.5	1648.5
67.5°	914.0	616.5	509.2	487.2	575.8	652.0	972.1	1134.7	1066.4	1032.0
70°	589.4	401.4	283.4	265.9	300.3	402.0	621.0	661.6	562.3	539.1
72.5°	278.9	173.3	99.4	81.9	92.0	153.6	245.6	264.2	219.6	201.0
75°	88.6	63.8	40.6	35.0	33.3	39.5	56.5	43.5	31.6	31.0
77.5°	39.5	37.8	32.2	27.1	23.7	19.8	16.4	13.5	14.1	14.7
80°	32.7	29.9	26.5	23.7	19.8	15.2	11.9	9.0	9.0	9.6
82.5°	28.8	26.0	23.1	19.8	16.9	12.4	9.0	6.2	5.6	5.6
85°	12.4	14.7	15.8	16.9	13.5	10.2	6.2	4.0	3.4	3.4
87.5°	5.1	4.5	4.0	3.4	2.8	2.8	2.3	1.7	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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