

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: P526288

Luminaire Tested: **GALN-SA1B-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526288  
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-SA1B-727-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 800mA 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: 3587 lumens  
Efficiency: N/A  
Efficacy: 81.5 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

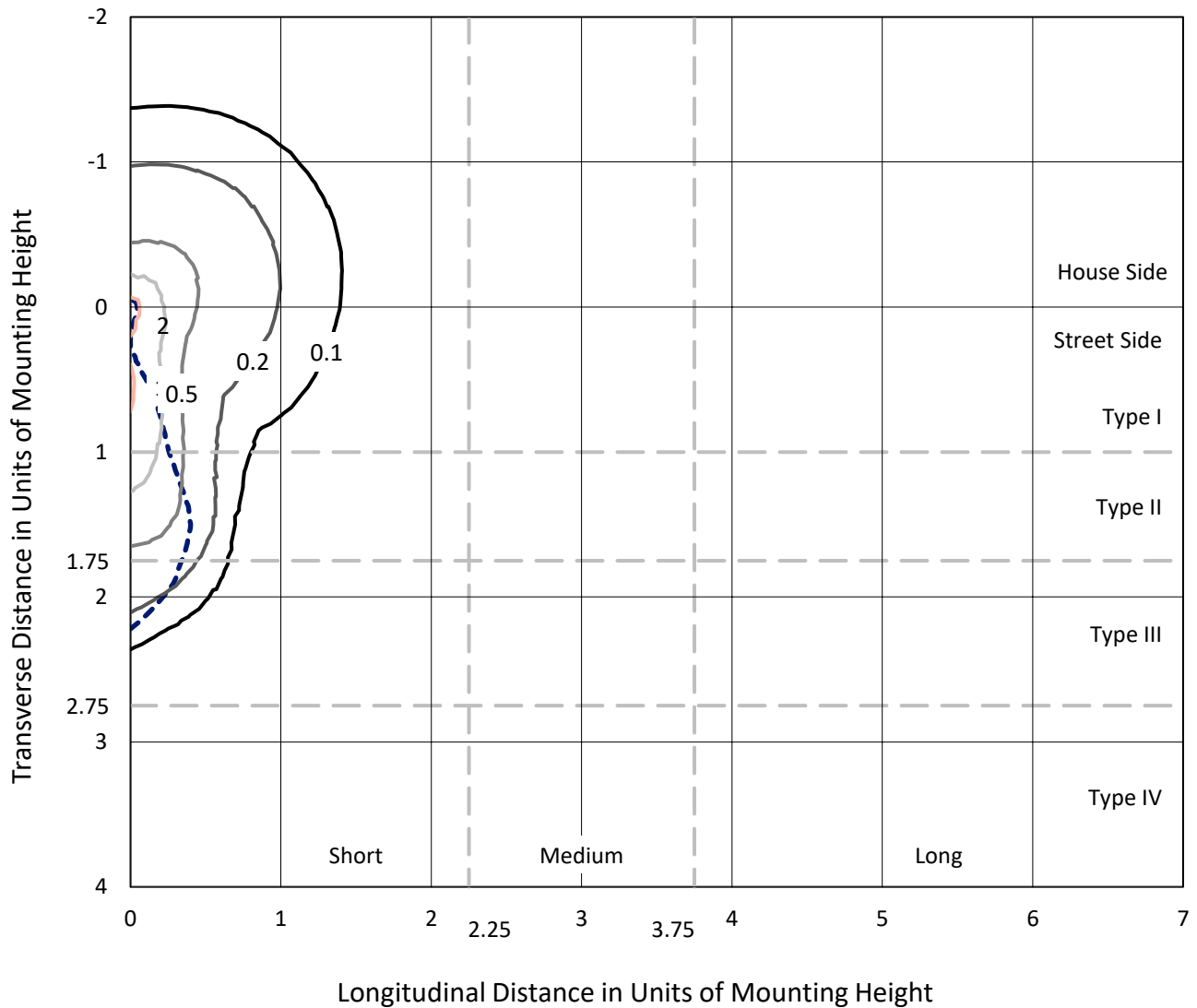
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

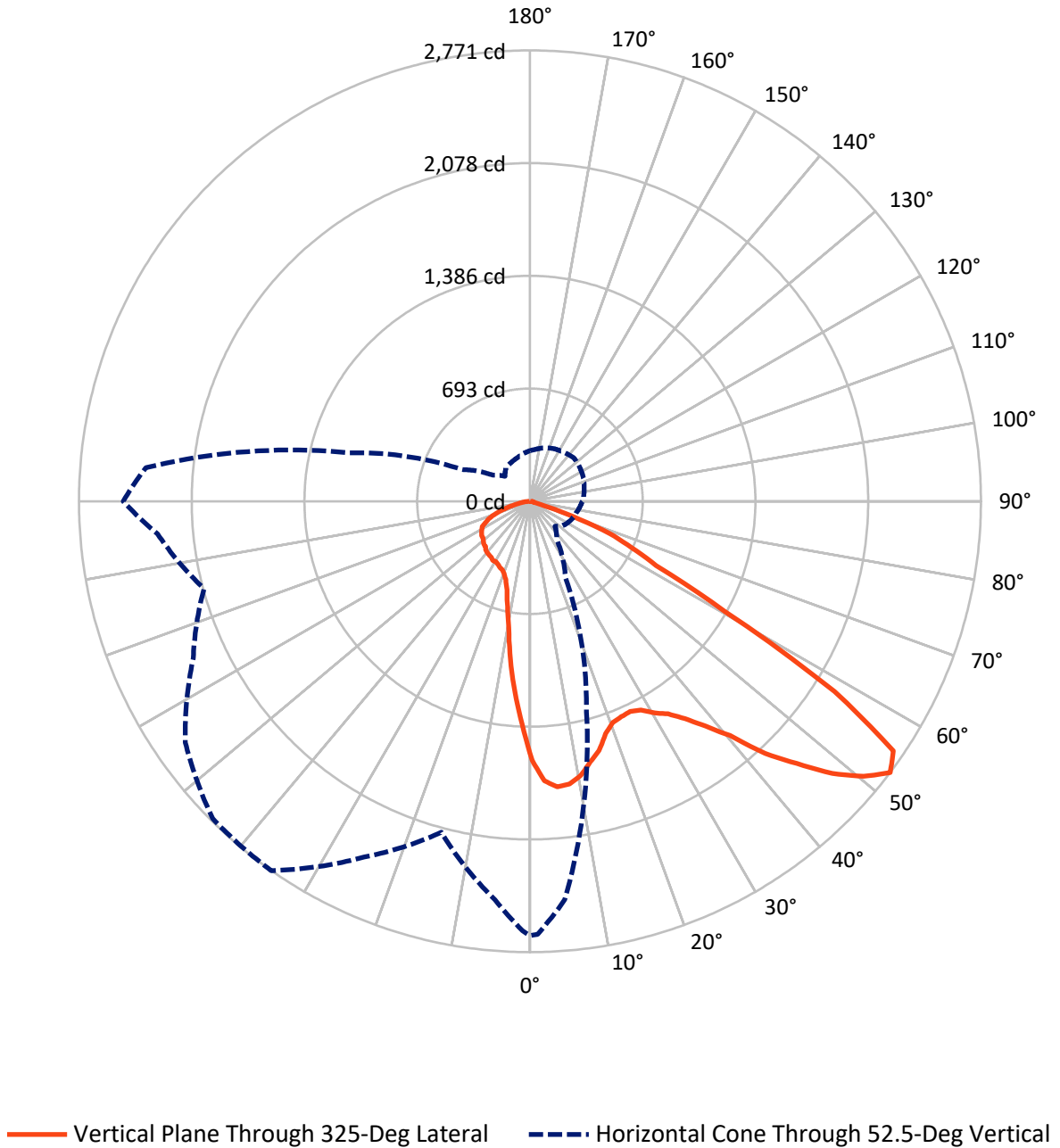
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1081.3	0.0	1081.3
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	2505.7	0.0	2505.7
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	3587.0	0.0	3587.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.5	3.4
10°-20°	263.3	7.3
20°-30°	397.8	11.1
30°-40°	574.8	16.0
40°-50°	765.0	21.3
50°-60°	855.7	23.9
60°-70°	482.3	13.4
70°-80°	107.5	3.0
80°-90°	19.1	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°	3587.0	100.0
0°-180°	3587.0	100.0

**Coefficient of Utilization**



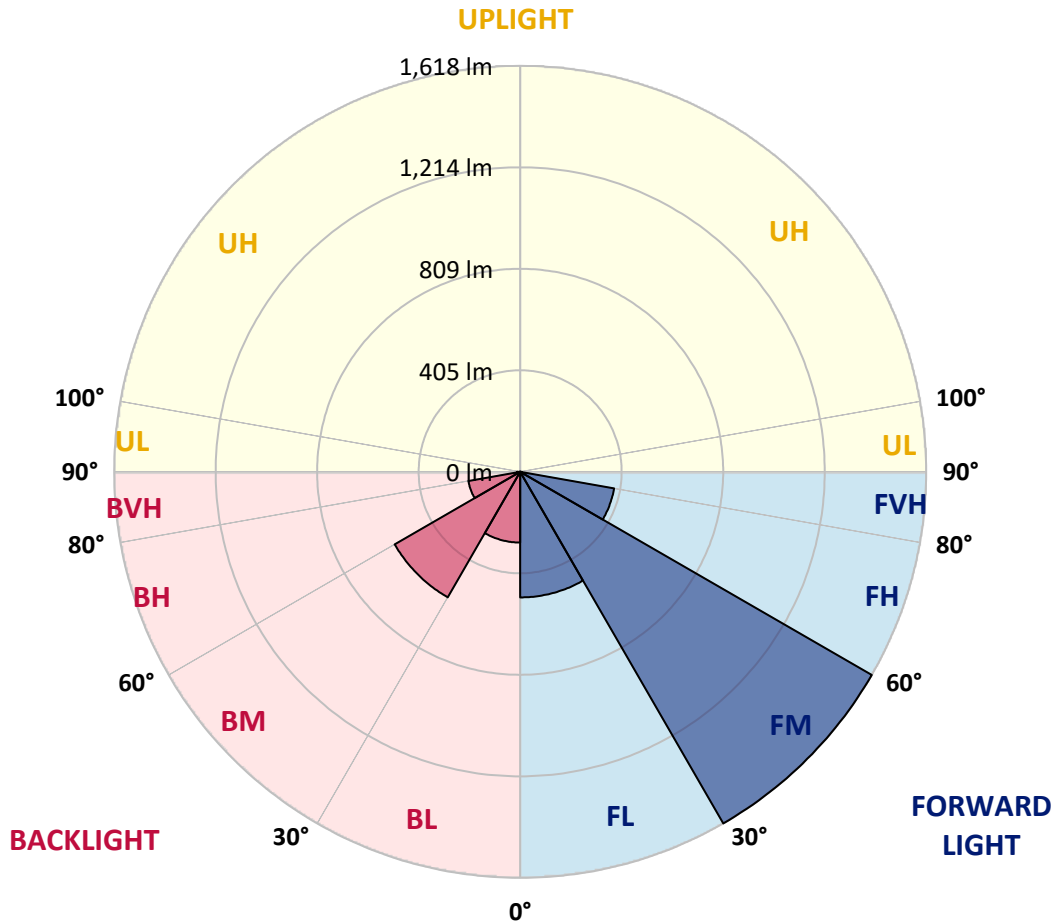
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	500.6	14.0			
FM (30°-60°)	1618.0	45.1			
FH (60°-80°)	380.2	10.6			G0/660
FVH (80°-90°)	6.9	0.2			G0/10
BL (0°-30°)	282.0	7.9	B1/500		
BM (30°-60°)	577.5	16.1	B1/1000		
BH (60°-80°)	209.6	5.8	B1/500		G1/500
BVH (80°-90°)	12.2	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°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1618.4	1644.4	1616.4	1566.5	1531.1	1498.9	1465.1	1458.3	1414.1	1406.3	1374.1
5°	1526.4	1520.7	1486.4	1420.9	1348.6	1283.1	1234.8	1188.0	1156.3	1119.3	1116.7
7.5°	1414.6	1381.4	1361.6	1262.3	1172.9	1070.0	1025.8	954.5	932.2	898.9	881.7
10°	1314.8	1290.4	1244.1	1144.8	1020.0	951.9	904.6	866.2	840.2	805.8	762.7
12.5°	1265.4	1255.6	1203.6	1049.7	957.1	884.3	851.1	813.6	769.5	714.3	693.0
15°	1274.3	1241.0	1201.5	1031.5	903.6	833.4	780.4	733.6	676.9	624.4	593.7
17.5°	1340.3	1314.8	1235.8	1042.9	883.3	781.9	685.7	616.6	565.7	518.3	497.0
20°	1470.3	1433.4	1344.5	1057.5	839.6	710.2	600.0	514.7	460.1	435.2	427.9
22.5°	1614.3	1592.5	1450.5	1090.2	804.8	643.6	509.0	423.7	403.4	396.7	410.2
25°	1789.5	1732.8	1615.3	1143.8	777.8	587.0	432.0	384.7	374.3	381.1	396.7
27.5°	1922.6	1907.5	1730.7	1194.2	740.9	518.9	388.9	357.7	360.8	367.6	382.1
30°	2080.6	2004.2	1842.5	1229.0	707.6	472.1	358.7	350.4	353.5	365.0	372.2
32.5°	2175.8	2147.2	1912.7	1281.6	669.1	431.5	335.3	327.5	332.2	349.4	366.5
35°	2296.9	2240.2	1999.5	1295.1	642.1	415.4	318.7	313.0	323.9	335.9	355.1
37.5°	2438.3	2399.3	2119.6	1285.7	627.5	398.8	304.7	302.1	309.9	326.5	348.9
40°	2522.0	2510.1	2182.5	1291.4	604.6	384.2	288.5	291.7	307.8	320.8	342.6
42.5°	2602.6	2524.6	2275.6	1289.4	590.1	364.4	290.1	286.5	298.9	314.0	334.8
45°	2620.3	2542.8	2297.4	1274.8	572.4	345.2	278.1	279.7	294.8	313.5	327.0
47.5°	2608.9	2551.7	2338.0	1270.6	555.8	331.7	260.5	279.2	288.0	303.1	322.3
50°	2601.1	2597.9	2372.3	1290.4	533.4	310.4	239.2	272.4	281.3	296.3	317.1
52.5°	2669.7	2662.9	2458.1	1342.4	515.7	287.5	217.3	255.3	276.6	291.1	311.4
55°	2711.3	2681.6	2605.2	1406.3	486.1	257.4	202.2	234.0	265.1	278.1	298.9
57.5°	2438.8	2418.6	2356.7	1312.7	436.2	217.8	183.5	212.1	249.6	269.8	291.1
60°	2029.2	1997.5	1838.9	1115.7	321.8	169.5	172.1	195.0	245.4	253.2	278.1
62.5°	1913.2	1834.7	1619.0	897.9	247.0	145.6	154.4	179.4	223.6	236.6	261.5
65°	1518.1	1459.9	1158.3	648.3	165.3	126.3	140.9	161.7	192.9	218.4	241.2
67.5°	950.4	894.7	618.2	306.7	115.4	108.1	125.8	147.7	173.1	196.0	221.5
70°	496.5	435.7	285.4	110.7	79.5	88.4	105.0	125.8	150.8	169.5	189.2
72.5°	185.1	150.3	93.1	47.8	55.1	67.6	85.3	100.3	118.0	140.9	151.8
75°	28.6	24.4	23.9	29.1	37.4	48.9	60.8	75.9	91.5	106.1	113.3
77.5°	13.5	13.0	14.6	19.2	25.0	34.8	44.2	58.7	71.2	80.6	84.7
80°	8.8	8.3	9.4	13.0	18.7	26.0	35.4	45.2	56.7	64.5	63.4
82.5°	5.2	5.7	5.7	8.8	13.0	18.7	25.5	34.3	42.1	48.9	44.7
85°	3.1	2.6	2.6	5.2	8.8	15.1	21.3	14.6	15.1	15.1	17.2
87.5°	1.0	1.0	1.0	0.5	1.0	1.0	1.6	2.6	3.1	3.6	4.7
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°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1373.1	1389.2	1383.5	1363.2	1378.8	1381.4	1371.0	1406.8	1413.6	1402.7	1405.8
5°	1113.1	1117.3	1126.6	1146.4	1160.4	1177.1	1177.1	1178.1	1164.1	1199.4	1189.0
7.5°	867.2	869.8	880.7	922.8	934.8	966.5	980.0	970.7	942.6	930.6	940.5
10°	748.7	733.6	729.9	735.1	762.2	775.7	787.1	784.0	779.3	770.0	759.6
12.5°	669.6	658.7	649.9	637.4	639.0	652.0	660.8	653.5	655.6	657.7	660.8
15°	583.8	576.0	571.4	552.7	550.6	559.4	562.5	566.7	574.5	575.0	571.4
17.5°	492.9	486.1	496.5	506.9	499.6	500.1	505.9	509.5	507.4	498.1	493.4
20°	430.5	437.8	448.2	458.0	465.8	470.5	472.6	466.9	460.1	440.9	440.4
22.5°	412.3	421.6	430.5	445.6	452.8	464.8	453.9	440.9	431.5	422.2	411.2
25°	398.8	406.6	424.2	430.0	444.0	453.9	446.1	433.1	417.0	403.4	395.1
27.5°	388.9	397.7	409.2	424.8	435.7	441.4	433.6	428.4	411.8	395.6	383.7
30°	382.6	392.0	412.8	425.8	435.2	439.8	426.3	420.1	408.1	394.6	384.2
32.5°	378.5	386.8	404.5	421.1	427.4	427.4	429.4	422.2	405.5	382.6	373.8
35°	365.0	376.4	391.0	410.2	421.6	428.4	418.0	409.7	398.8	375.4	359.3
37.5°	357.2	365.0	383.7	401.9	411.8	419.0	414.9	400.3	385.8	366.5	353.5
40°	348.9	361.3	378.0	395.1	406.0	413.3	410.2	393.0	375.4	357.2	348.3
42.5°	343.1	351.5	368.6	387.8	400.8	414.9	405.5	384.2	371.7	346.8	336.9
45°	338.5	352.0	370.2	378.0	391.5	406.0	389.4	376.4	361.9	343.7	335.3
47.5°	332.7	345.2	357.2	378.0	384.2	391.0	387.8	367.0	354.6	334.8	329.1
50°	330.7	335.3	357.2	368.6	377.4	384.2	375.9	360.3	348.3	328.1	315.6
52.5°	322.3	331.2	345.2	360.3	371.2	379.5	366.0	356.1	340.0	318.7	310.9
55°	311.9	317.1	342.1	357.7	363.4	369.1	363.9	347.8	331.2	309.3	301.5
57.5°	298.4	310.4	330.7	352.5	359.8	362.9	354.6	341.6	320.8	301.5	289.1
60°	284.4	296.9	319.2	336.9	344.2	355.6	343.1	335.3	311.4	290.1	276.6
62.5°	270.3	284.4	301.0	323.4	329.6	334.3	331.2	320.3	301.0	277.1	260.5
65°	253.7	264.1	284.9	296.3	300.5	311.4	300.5	296.3	279.2	256.3	242.3
67.5°	228.8	237.6	255.8	266.7	269.8	274.5	274.0	269.3	250.1	234.5	222.0
70°	200.2	208.0	219.4	232.4	234.0	239.7	234.5	233.4	221.0	199.6	192.9
72.5°	160.6	167.9	183.0	188.7	189.2	191.3	188.7	185.1	182.0	159.6	152.9
75°	123.2	127.4	134.7	139.9	139.9	142.5	140.9	137.3	128.9	114.9	108.1
77.5°	85.8	89.9	99.3	102.4	101.9	102.9	98.3	94.6	82.1	74.9	69.1
80°	62.4	65.0	69.7	71.7	72.3	73.8	68.1	65.0	57.7	49.4	46.8
82.5°	45.2	46.8	47.3	49.9	49.9	47.3	45.8	42.6	37.4	32.2	30.2
85°	18.7	19.2	19.8	22.9	23.4	28.1	26.0	24.4	21.3	18.2	16.6
87.5°	4.7	5.2	6.8	5.7	6.8	6.8	7.3	8.3	8.3	6.8	6.8
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°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1417.8	1421.9	1475.0	1481.7	1507.7	1534.2	1587.8	1626.2	1657.4	1677.7	1683.4
5°	1199.9	1226.4	1250.9	1290.4	1326.3	1377.2	1436.0	1508.7	1600.3	1647.0	1665.8
7.5°	939.5	970.7	1006.0	1044.5	1097.0	1188.5	1267.0	1351.2	1468.2	1516.5	1589.9
10°	766.9	801.7	848.5	878.1	941.5	1028.9	1120.4	1217.6	1329.4	1399.0	1483.8
12.5°	677.9	706.5	749.7	812.1	859.4	916.1	984.2	1106.9	1267.0	1333.0	1391.3
15°	579.7	611.4	661.3	730.5	787.1	854.7	931.1	1064.8	1235.3	1337.2	1386.6
17.5°	498.6	521.5	574.0	633.8	698.7	772.6	882.3	1062.7	1268.6	1399.0	1479.6
20°	442.4	445.6	474.1	525.1	613.5	709.7	852.1	1052.3	1375.1	1505.6	1607.5
22.5°	407.1	404.0	404.5	447.6	509.5	647.8	804.8	1087.6	1496.3	1675.1	1743.7
25°	389.4	381.1	375.9	385.2	441.4	574.5	768.9	1134.4	1626.8	1815.0	1899.2
27.5°	380.0	365.5	355.1	356.7	397.7	537.6	746.6	1154.7	1756.2	2009.9	2039.6
30°	376.4	358.2	343.1	337.9	365.0	486.1	698.7	1189.5	1872.2	2117.0	2142.5
32.5°	363.4	341.1	326.5	321.8	332.7	440.9	664.4	1214.5	1974.6	2233.5	2224.7
35°	348.3	329.6	311.4	302.6	310.4	411.8	636.9	1202.5	2095.2	2324.0	2319.3
37.5°	346.8	322.3	307.3	292.7	292.2	375.9	599.4	1214.0	2172.1	2486.2	2422.2
40°	333.3	317.7	297.9	285.9	279.2	357.7	563.1	1186.9	2285.0	2551.7	2488.8
42.5°	333.8	310.4	293.2	279.2	272.4	331.2	538.1	1179.7	2324.5	2658.2	2520.0
45°	325.5	302.6	288.0	271.4	267.7	310.9	514.2	1145.9	2394.1	2663.4	2481.0
47.5°	317.1	296.9	281.3	261.5	253.2	303.6	495.5	1117.8	2357.7	2614.6	2426.9
50°	311.4	288.0	273.5	259.4	236.0	291.1	471.0	1111.0	2306.8	2548.5	2326.6
52.5°	301.5	280.7	265.7	254.8	217.3	279.7	461.7	1150.5	2369.2	2499.2	2297.4
55°	292.2	270.9	251.6	230.3	201.7	249.6	435.7	1187.5	2460.2	2613.0	2429.5
57.5°	282.3	262.0	241.2	215.8	186.6	218.4	408.6	1194.2	2289.6	2414.9	2306.3
60°	269.3	243.3	227.7	194.4	170.5	180.9	323.9	1052.8	1776.0	2016.7	2020.3
62.5°	254.8	226.7	213.2	174.2	153.9	156.0	264.1	884.9	1440.6	1669.4	1768.7
65°	235.5	208.5	192.4	161.2	141.9	135.2	193.4	648.3	1094.4	1354.3	1467.2
67.5°	210.6	185.1	164.8	140.4	126.9	115.9	132.1	365.0	646.2	909.3	943.6
70°	184.0	162.2	140.9	120.6	105.5	97.7	96.7	161.7	308.8	489.2	556.8
72.5°	145.1	129.5	112.3	97.2	87.3	75.9	69.1	67.1	104.5	199.1	275.0
75°	104.0	91.0	81.1	71.2	63.9	57.7	52.5	47.8	43.7	49.9	68.6
77.5°	65.5	60.8	53.0	50.4	46.3	44.7	42.6	40.0	36.9	34.8	34.8
80°	44.2	41.1	38.5	38.0	36.4	35.9	36.4	33.8	30.7	28.1	29.1
82.5°	29.6	29.1	28.6	28.1	28.6	29.1	30.2	29.6	27.0	25.5	26.0
85°	17.7	18.7	19.8	20.8	22.9	20.3	16.6	14.0	12.5	11.4	10.9
87.5°	6.8	9.4	8.3	7.8	8.3	7.8	7.3	6.8	5.7	5.2	5.2
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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CATALOG NUMBER: GALN-SA1B-727-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1721.4	1731.8	1740.6	1738.5	1720.3	1695.9	1686.0	1635.6	1625.2	1618.4
5°	1744.8	1805.1	1818.1	1810.3	1763.0	1703.2	1645.0	1571.1	1528.0	1526.4
7.5°	1701.6	1776.0	1799.4	1817.0	1754.1	1650.2	1550.3	1439.6	1412.6	1414.6
10°	1591.9	1710.5	1768.2	1786.4	1714.1	1624.2	1485.9	1373.6	1315.9	1314.8
12.5°	1531.1	1624.2	1640.3	1665.8	1644.4	1553.5	1448.4	1322.6	1266.5	1265.4
15°	1477.0	1538.4	1543.1	1578.9	1590.4	1529.0	1458.3	1324.2	1279.0	1274.3
17.5°	1524.3	1481.7	1464.0	1468.7	1502.5	1524.9	1515.5	1412.6	1366.3	1340.3
20°	1556.1	1460.9	1407.4	1412.6	1452.6	1534.2	1600.8	1540.5	1467.2	1470.3
22.5°	1640.8	1464.0	1380.3	1374.6	1438.0	1583.1	1697.0	1702.2	1631.4	1614.3
25°	1767.7	1499.9	1372.0	1370.5	1431.3	1635.6	1809.3	1893.5	1821.2	1789.5
27.5°	1869.6	1556.1	1398.0	1403.2	1452.6	1678.2	1904.9	2016.7	1961.6	1922.6
30°	1959.0	1614.3	1434.4	1410.5	1509.8	1700.6	1946.0	2157.1	2112.9	2080.6
32.5°	1995.9	1697.0	1492.1	1452.6	1557.1	1727.6	2031.2	2293.3	2255.3	2175.8
35°	2058.3	1743.2	1523.3	1520.2	1639.8	1792.6	2071.3	2383.2	2367.6	2296.9
37.5°	2108.2	1790.0	1634.0	1599.7	1753.1	1901.8	2135.7	2507.5	2471.6	2438.3
40°	2146.7	1873.7	1737.5	1782.7	1892.4	2001.1	2195.0	2515.3	2618.7	2522.0
42.5°	2111.3	1948.6	1907.5	2015.7	2119.6	2114.4	2201.8	2575.6	2653.0	2602.6
45°	2102.5	2075.4	2176.3	2274.6	2298.5	2208.5	2153.4	2509.0	2642.6	2620.3
47.5°	2081.2	2200.2	2375.9	2536.1	2499.7	2271.4	2095.7	2497.1	2648.9	2608.9
50°	2073.9	2227.2	2523.6	2679.6	2657.7	2326.0	2068.7	2420.1	2604.7	2601.1
52.5°	2073.4	2282.9	2584.9	2757.5	2771.1	2412.3	2105.6	2459.1	2639.0	2669.7
55°	2096.8	2265.2	2577.1	2714.4	2709.2	2373.9	2109.8	2485.1	2681.1	2711.3
57.5°	1977.7	2029.2	2126.9	2235.6	2207.5	1966.3	1884.1	2297.4	2460.7	2438.8
60°	1707.9	1546.7	1436.5	1431.3	1376.7	1301.3	1542.0	2050.5	2050.5	2029.2
62.5°	1495.8	1015.4	872.4	831.8	870.8	957.7	1487.4	1994.3	1937.7	1913.2
65°	1308.1	775.2	630.6	619.2	686.8	817.8	1345.0	1699.0	1599.2	1518.1
67.5°	841.7	567.7	468.9	448.7	530.3	600.5	895.3	1045.0	982.1	950.4
70°	542.8	369.6	261.0	244.9	276.6	370.2	571.9	609.3	517.8	496.5
72.5°	256.8	159.6	91.5	75.4	84.7	141.4	226.2	243.3	202.2	185.1
75°	81.6	58.7	37.4	32.2	30.7	36.4	52.0	40.0	29.1	28.6
77.5°	36.4	34.8	29.6	25.0	21.8	18.2	15.1	12.5	13.0	13.5
80°	30.2	27.6	24.4	21.8	18.2	14.0	10.9	8.3	8.3	8.8
82.5°	26.5	23.9	21.3	18.2	15.6	11.4	8.3	5.7	5.2	5.2
85°	11.4	13.5	14.6	15.6	12.5	9.4	5.7	3.6	3.1	3.1
87.5°	4.7	4.2	3.6	3.1	2.6	2.6	2.1	1.6	1.0	1.0
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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