

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: P526104

Luminaire Tested: **GALN-SA1A-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526104  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-735-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3211 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

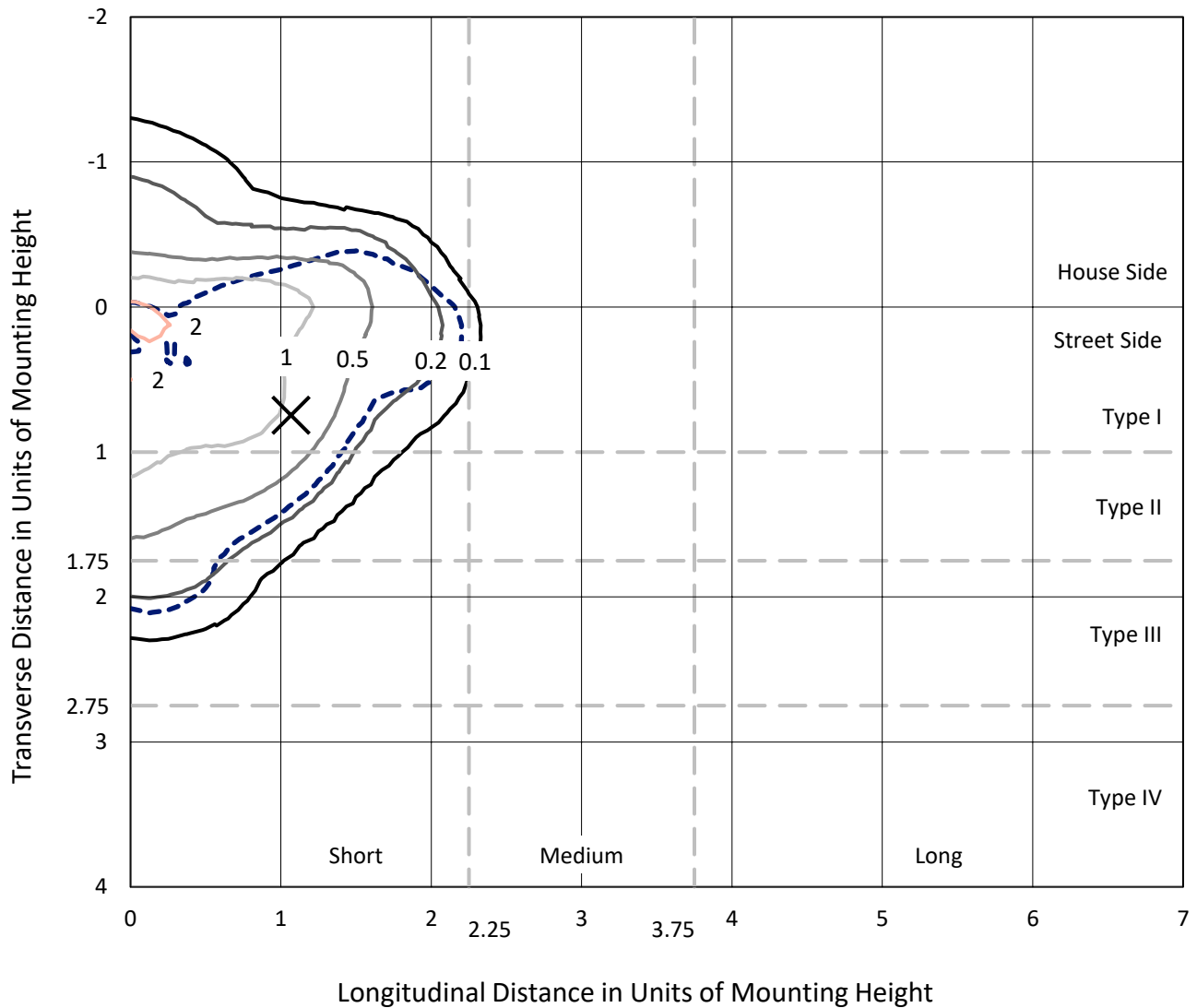
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

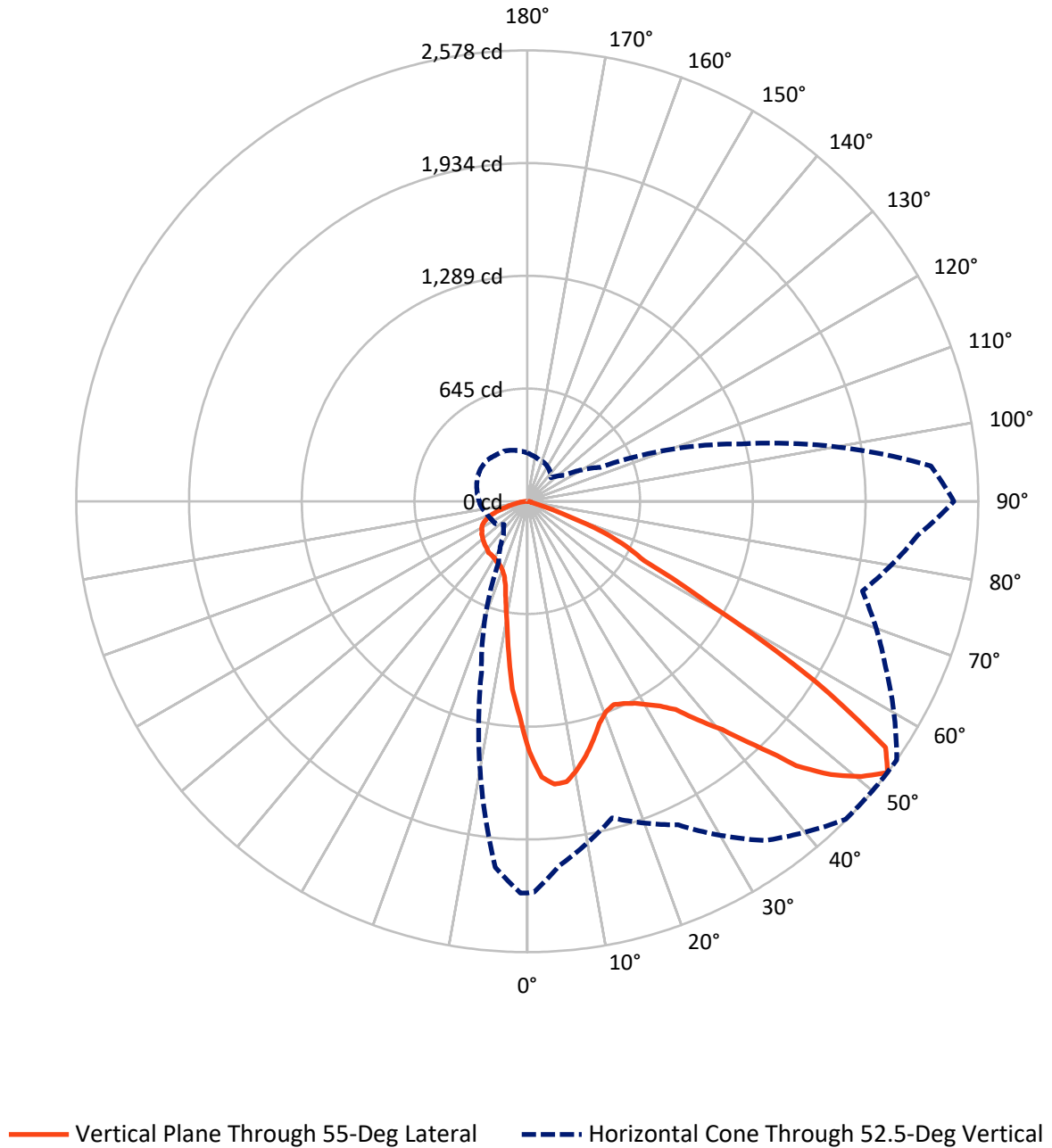
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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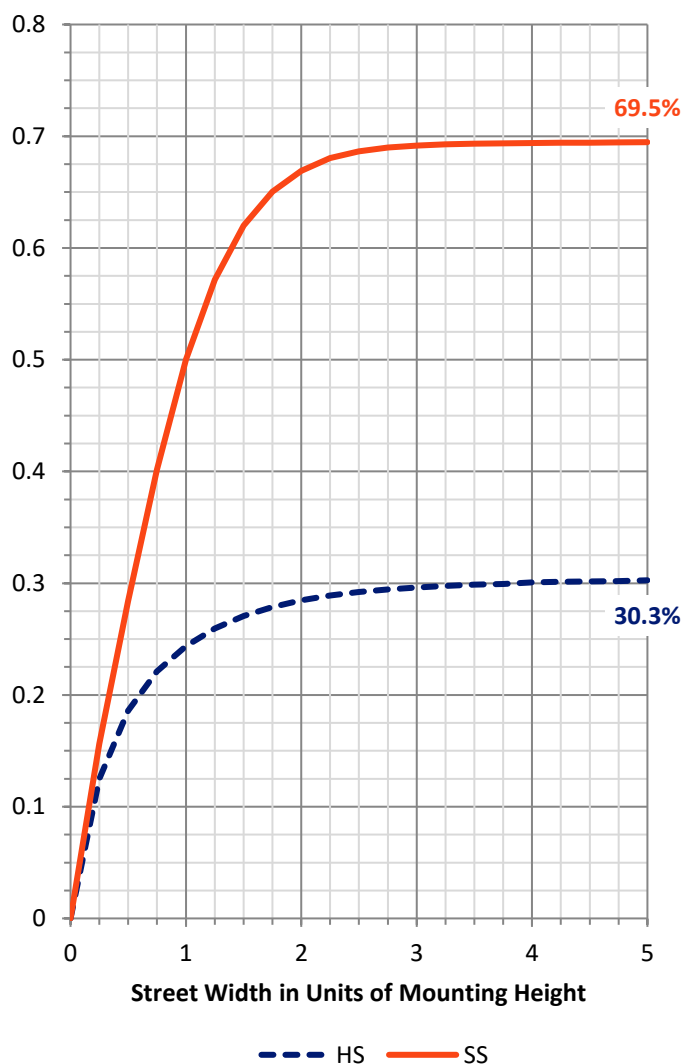
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	979.5	0.0	979.5
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	2231.5	0.0	2231.5
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	3211.0	0.0	3211.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	3.4
10°-20°	235.9	7.3
20°-30°	357.8	11.1
30°-40°	516.9	16.1
40°-50°	690.7	21.5
50°-60°	771.0	24.0
60°-70°	422.9	13.2
70°-80°	91.4	2.8
80°-90°	14.8	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°	3211.0	100.0
0°-180°	3211.0	100.0

**Coefficient of Utilization**



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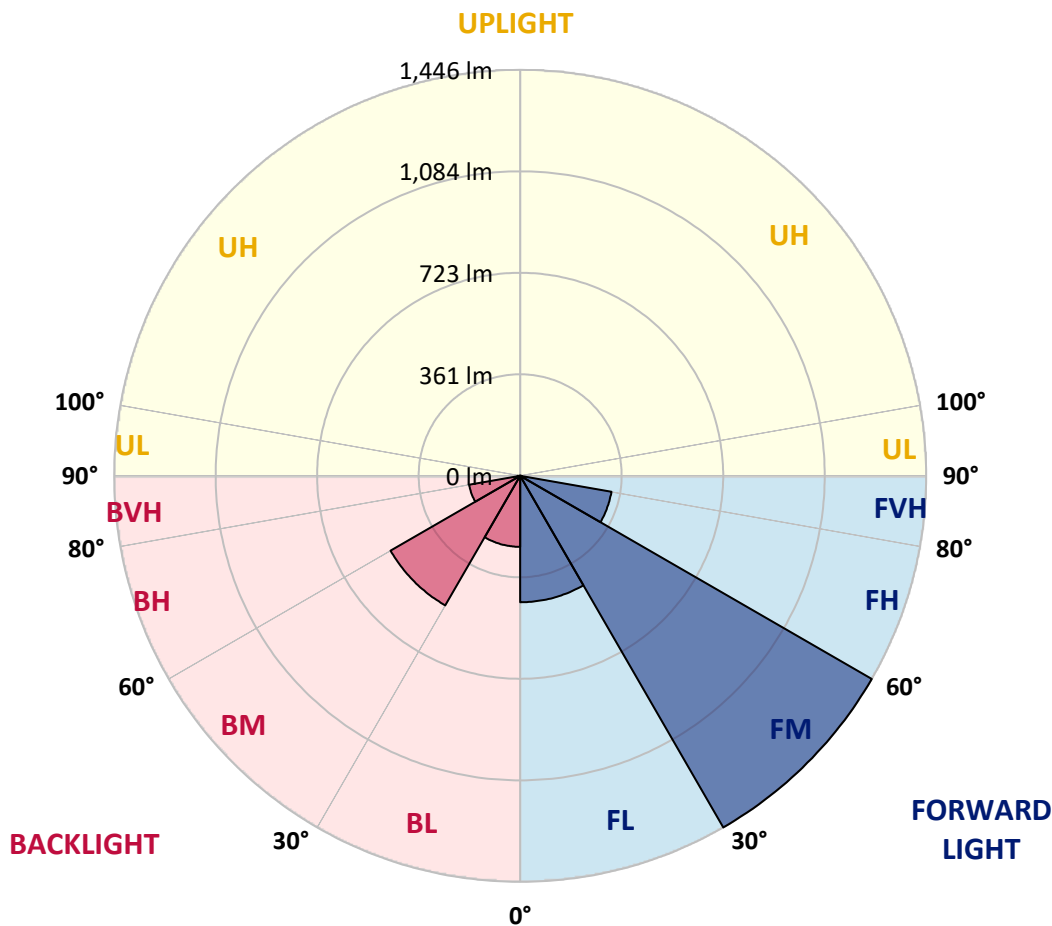
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.2	14.0			
FM (30°-60°)	1445.7	45.0			
FH (60°-80°)	330.0	10.3			G0/660
FVH (80°-90°)	5.5	0.2			G0/10
BL (0°-30°)	252.9	7.9	B1/500		
BM (30°-60°)	532.9	16.6	B1/1000		
BH (60°-80°)	184.4	5.7	B1/500		G1/500
BVH (80°-90°)	9.3	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4
2.5°	1503.2	1494.7	1502.2	1537.8	1558.5	1572.5	1581.5	1580.0	1546.3	1513.5	1513.5
5°	1459.1	1448.3	1463.8	1544.4	1625.5	1632.6	1644.3	1625.1	1575.4	1515.3	1440.3
7.5°	1331.6	1339.5	1365.3	1471.3	1576.8	1629.7	1643.8	1619.4	1538.8	1426.7	1316.5
10°	1221.4	1240.1	1299.7	1414.1	1511.1	1580.0	1595.5	1561.3	1497.5	1360.2	1261.7
12.5°	1183.4	1171.7	1237.8	1352.2	1445.0	1482.1	1489.1	1491.4	1448.3	1326.4	1206.4
15°	1178.7	1186.2	1237.8	1324.5	1381.7	1383.6	1395.3	1413.6	1419.2	1349.4	1232.2
17.5°	1246.2	1237.3	1290.3	1359.2	1332.0	1304.8	1307.6	1333.9	1380.3	1369.1	1313.3
20°	1346.1	1366.2	1408.0	1400.9	1327.8	1258.9	1259.3	1284.2	1375.6	1450.6	1426.3
22.5°	1512.1	1531.8	1562.7	1477.8	1327.8	1245.3	1229.3	1263.1	1405.6	1547.7	1553.8
25°	1663.5	1699.6	1708.0	1608.2	1394.4	1257.9	1247.6	1280.9	1435.6	1642.4	1700.1
27.5°	1801.3	1814.5	1851.5	1692.1	1431.4	1266.4	1265.4	1308.1	1473.6	1689.8	1830.9
30°	1910.1	1908.7	1929.8	1745.1	1490.5	1313.7	1268.3	1348.9	1523.3	1768.1	1951.8
32.5°	1984.2	2000.1	2044.7	1818.7	1515.3	1358.7	1323.1	1396.7	1583.8	1805.1	2037.2
35°	2114.5	2142.2	2085.9	1859.5	1594.1	1403.3	1361.6	1461.9	1613.8	1845.4	2141.7
37.5°	2237.4	2216.3	2159.1	1881.5	1645.2	1485.8	1446.9	1588.0	1707.1	1933.1	2211.1
40°	2316.1	2315.7	2213.9	1899.3	1681.3	1611.9	1609.6	1716.0	1821.5	1988.4	2289.0
42.5°	2350.4	2383.2	2236.4	1897.5	1757.3	1764.8	1812.1	1907.3	1902.6	1999.7	2287.1
44°	2397.3	2417.0	2275.4	1901.7	1807.9	1867.9	1979.5	2040.0	1973.4	1993.6	2284.7
45°	2395.4	2396.8	2220.0	1907.3	1851.0	1954.2	2054.1	2156.3	2035.8	1980.4	2315.7
47.5°	2340.5	2324.6	2173.1	1865.6	1985.6	2182.1	2274.4	2336.3	2112.7	1952.3	2277.2
50°	2232.2	2213.9	2059.2	1847.8	2013.7	2323.6	2451.2	2473.7	2182.5	1924.7	2239.3
52.5°	2239.7	2234.6	2091.6	1874.5	2041.9	2368.2	2572.6	2578.2	2261.8	1982.8	2239.7
55°	2373.8	2356.0	2184.4	1907.8	2021.2	2316.1	2495.3	2485.4	2235.0	1947.6	2281.0
57.5°	2172.2	2183.9	2055.9	1776.0	1769.0	1882.9	1961.7	1937.3	1865.1	1757.7	2122.0
60°	1752.6	1785.9	1798.1	1485.3	1334.8	1276.2	1252.8	1209.6	1221.8	1444.1	1864.2
62.5°	1503.2	1501.3	1577.7	1346.6	874.4	752.0	740.8	750.6	891.3	1421.6	1825.7
65°	1191.8	1223.7	1247.2	1141.2	692.0	558.4	557.9	620.3	771.3	1188.1	1474.1
67.5°	756.7	798.5	827.5	730.0	462.8	397.6	386.8	461.8	534.5	779.2	887.5
70°	426.7	446.4	459.5	421.0	294.4	206.3	194.1	211.9	323.0	504.5	526.1
72.5°	164.6	173.5	191.3	192.7	111.1	66.6	53.9	64.7	136.0	199.7	190.4
75°	25.3	27.2	38.4	45.9	31.9	24.4	25.8	26.7	38.0	51.6	43.1
77.5°	12.2	12.2	11.7	13.6	15.9	17.3	18.8	20.6	22.5	24.8	23.9
80°	8.0	8.0	8.0	9.4	11.7	14.1	15.9	16.9	17.8	19.7	18.8
82.5°	5.2	5.2	5.2	7.0	9.4	11.7	12.7	15.0	16.9	19.7	18.3
85°	2.8	2.8	2.8	4.7	7.0	9.8	9.4	7.5	4.2	0.5	0.9
87.5°	0.9	0.9	0.9	0.9	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4
2.5°	1474.1	1452.5	1450.6	1406.6	1367.2	1348.0	1332.5	1289.4	1298.7	1273.9	1273.4
5°	1402.8	1358.7	1287.5	1228.9	1170.3	1158.5	1107.4	1062.9	1064.3	1032.4	1038.0
7.5°	1274.8	1244.3	1157.6	1065.7	987.9	932.6	884.3	855.2	818.2	805.5	798.9
10°	1193.7	1156.2	1058.7	943.3	856.1	826.6	780.2	754.4	716.4	697.7	684.5
12.5°	1158.1	1103.2	981.3	864.1	806.0	775.5	736.1	689.2	644.2	626.9	602.9
15°	1161.8	1096.2	958.8	832.2	762.4	703.3	668.1	616.1	570.1	539.7	522.3
17.5°	1218.6	1138.9	969.1	807.8	707.5	633.4	564.5	508.2	471.7	448.7	443.1
20°	1352.6	1244.3	986.5	768.5	652.6	560.3	475.4	416.8	388.7	388.2	388.7
22.5°	1464.2	1356.9	1021.6	745.0	597.8	466.5	382.1	363.4	357.7	369.5	370.9
25°	1614.7	1483.5	1082.1	732.8	547.2	397.6	345.5	338.5	338.0	353.0	353.5
27.5°	1769.0	1594.1	1118.2	697.2	495.6	362.0	323.5	322.1	329.6	345.5	344.1
30°	1874.0	1686.9	1183.4	654.5	434.6	330.5	314.6	316.5	326.8	339.0	340.9
32.5°	1996.4	1778.4	1200.3	631.1	397.1	304.3	293.0	297.3	310.4	329.6	339.9
35°	2136.6	1843.1	1226.1	599.2	383.1	284.1	278.5	283.2	299.1	311.8	323.0
37.5°	2240.2	1957.5	1230.7	574.3	367.6	272.9	264.0	279.4	288.8	306.6	312.3
40°	2317.1	2040.5	1242.9	558.9	355.4	258.3	258.3	268.7	281.3	297.7	309.0
42.5°	2366.3	2100.9	1251.8	544.8	331.9	254.1	251.8	262.1	279.0	294.9	300.1
44°	2396.3	2126.7	1242.9	531.7	325.4	249.0	249.0	257.9	271.0	289.8	295.8
45°	2403.8	2159.1	1223.2	531.2	317.4	242.9	241.9	258.8	267.7	290.7	294.4
47.5°	2432.9	2198.9	1225.6	516.2	298.2	228.3	244.7	252.2	260.2	280.4	293.0
50°	2432.0	2223.8	1220.4	494.2	284.1	211.9	239.1	247.6	255.5	276.2	281.3
52.5°	2438.5	2316.6	1267.8	459.0	258.8	190.8	220.4	239.1	249.0	266.3	277.1
55°	2435.2	2369.6	1314.7	432.8	223.2	178.2	204.4	226.5	240.5	258.8	264.0
57.5°	2224.3	2094.4	1216.7	383.5	184.7	163.2	181.9	213.3	231.1	249.9	256.5
60°	1817.3	1614.3	1003.4	282.3	151.9	150.0	169.3	209.1	216.6	233.0	244.3
62.5°	1679.4	1415.9	795.6	215.7	129.9	137.4	156.1	188.9	200.7	220.8	231.1
65°	1314.2	940.5	492.8	145.8	114.4	123.3	141.1	165.5	184.7	203.5	215.7
67.5°	778.3	513.9	243.8	102.2	99.9	109.2	127.5	145.8	167.9	188.5	194.6
70°	423.8	252.7	104.1	77.8	84.9	93.3	111.1	123.8	144.9	160.8	171.1
72.5°	136.0	76.9	52.0	57.7	64.7	74.5	85.3	100.8	115.8	125.2	133.6
75°	32.8	32.4	37.0	40.3	46.9	54.4	63.3	71.3	83.0	91.9	99.4
77.5°	23.0	24.8	28.6	33.3	35.6	38.4	44.1	50.2	55.3	61.9	66.6
80°	17.8	19.2	22.0	24.4	26.7	29.1	31.9	34.2	37.5	41.7	44.1
82.5°	16.9	17.8	20.6	22.0	21.1	20.6	22.5	23.4	23.9	25.3	26.7
85°	1.4	0.0	0.9	3.3	8.0	11.7	12.7	12.7	12.2	13.1	13.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.9	1.4
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°	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4
2.5°	1267.8	1251.8	1257.9	1265.4	1254.7	1229.8	1236.4	1233.6	1258.9	1257.0	1282.3
5°	1062.9	1038.0	1040.9	1077.4	1065.7	1078.4	1053.1	1049.8	1054.5	1056.8	1061.0
7.5°	813.5	810.2	838.3	869.3	883.8	868.8	843.9	838.3	833.2	822.8	846.3
10°	663.9	664.8	663.0	686.4	702.8	699.5	684.5	682.7	672.8	669.1	682.2
12.5°	592.6	580.0	573.9	566.4	579.0	587.5	580.9	576.2	576.7	581.4	583.3
15°	523.7	515.7	502.6	494.2	500.3	496.0	493.7	503.1	500.7	499.8	511.1
17.5°	446.4	452.9	452.0	442.6	450.6	447.3	446.8	440.3	431.3	424.8	428.5
20°	395.2	407.4	416.8	417.3	421.5	421.0	414.0	393.8	387.3	385.9	386.8
22.5°	377.0	383.5	394.8	410.7	410.7	403.2	394.8	371.3	365.2	358.7	355.9
25°	362.4	375.1	389.6	391.5	399.0	392.0	378.4	366.6	354.0	345.1	345.1
27.5°	354.9	369.0	379.8	383.1	393.4	387.7	373.7	358.7	343.7	343.2	335.2
30°	351.6	364.8	371.8	379.8	384.5	375.6	371.3	355.4	340.4	336.6	323.5
32.5°	341.8	360.6	373.7	371.8	375.6	371.8	365.7	352.6	335.7	327.3	325.9
35°	330.5	349.3	363.4	373.2	375.6	367.6	363.8	346.0	323.0	318.8	304.3
37.5°	324.4	335.7	353.0	369.0	372.3	368.1	355.4	337.1	314.1	309.4	296.8
40°	316.9	331.5	345.1	358.2	368.1	357.7	343.2	325.4	315.1	301.0	297.3
42.5°	311.3	327.7	339.0	353.5	364.8	351.2	334.3	322.1	307.6	298.2	287.4
44°	309.4	324.4	331.9	349.8	359.1	348.8	334.8	322.1	305.2	296.8	287.4
45°	302.9	323.5	331.5	347.4	355.4	347.0	329.1	316.5	304.3	294.0	284.1
47.5°	296.3	310.4	324.0	336.6	342.3	339.5	324.4	309.0	294.4	288.3	279.0
50°	294.4	308.5	321.2	332.9	339.5	333.8	320.2	305.2	288.3	278.5	270.5
52.5°	285.1	302.4	316.5	320.2	328.7	325.4	315.1	298.7	282.7	274.3	267.7
55°	271.5	289.8	309.0	313.7	325.9	320.7	305.2	289.8	276.2	263.5	255.1
57.5°	266.3	284.1	302.9	309.0	316.5	308.0	304.3	287.9	266.3	259.7	246.6
60°	253.2	275.7	291.2	305.2	305.7	303.3	296.8	278.0	260.2	248.0	238.6
62.5°	242.9	264.0	276.2	289.3	297.3	290.7	284.1	266.8	247.6	234.0	223.2
65°	227.9	247.1	257.4	265.4	274.3	273.3	262.1	249.4	229.3	218.5	208.2
67.5°	204.9	221.8	235.8	243.3	249.0	247.6	239.1	230.2	209.6	198.8	191.3
70°	177.2	194.6	203.5	207.7	213.3	216.1	209.6	205.4	187.1	173.0	166.0
72.5°	142.5	153.8	166.9	170.7	173.0	174.9	174.9	171.1	152.4	146.8	134.6
75°	105.0	113.9	123.8	123.8	128.0	128.5	129.4	127.1	113.0	105.5	102.7
77.5°	71.3	77.8	85.8	89.1	91.9	91.4	91.0	84.4	76.9	73.6	70.8
80°	46.4	53.0	56.7	61.0	63.8	63.3	64.2	59.5	56.3	50.6	51.6
82.5°	27.7	32.8	36.6	41.7	41.7	43.1	43.1	41.7	38.4	35.6	35.6
85°	13.1	17.3	19.7	23.0	24.8	25.3	22.5	19.2	15.9	14.5	15.9
87.5°	2.3	3.3	4.7	4.2	5.2	4.7	4.7	4.7	4.7	3.8	4.2
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-SA1A-735-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4	1432.4
2.5°	1272.9	1296.4	1312.8	1340.0	1386.9	1424.4	1462.8	1491.4	1494.7	1503.2
5°	1076.5	1089.2	1130.9	1185.3	1223.7	1287.0	1327.8	1401.9	1429.5	1459.1
7.5°	840.7	861.3	917.1	953.7	1038.0	1117.3	1199.3	1290.8	1327.3	1331.6
10°	708.9	738.9	776.9	835.5	881.4	969.6	1071.8	1173.5	1214.3	1221.4
12.5°	622.6	661.1	711.7	753.9	798.0	874.9	972.9	1098.5	1151.5	1183.4
15°	539.7	579.5	635.3	693.9	732.8	824.7	940.1	1081.7	1150.6	1178.7
17.5°	454.3	491.4	537.3	600.6	678.9	782.1	934.9	1137.9	1213.4	1246.2
20°	381.2	401.8	455.3	520.4	618.4	738.4	936.8	1220.9	1331.6	1346.1
22.5°	352.6	357.3	378.4	438.4	545.7	693.9	970.1	1338.6	1464.2	1512.1
25°	330.5	329.6	335.2	375.6	492.8	676.6	1002.9	1446.9	1611.5	1663.5
27.5°	318.4	309.0	309.4	347.4	455.3	648.4	1045.1	1571.1	1778.4	1801.3
30°	312.3	310.4	304.8	320.2	414.5	606.2	1052.1	1693.5	1876.8	1910.1
32.5°	308.5	290.2	283.2	288.8	376.0	560.3	1078.4	1774.2	1998.7	1984.2
35°	289.8	273.3	268.7	274.3	348.8	534.5	1061.0	1844.5	2090.2	2114.5
37.5°	282.7	268.2	258.8	254.1	323.5	512.9	1052.1	1952.8	2178.8	2237.4
40°	276.2	260.7	249.4	244.7	303.8	484.3	1049.3	2036.2	2281.0	2316.1
42.5°	268.7	258.8	246.1	237.7	279.9	455.7	1016.9	2062.0	2312.4	2350.4
44°	266.3	251.3	238.2	235.4	270.5	441.2	1010.4	2085.5	2339.6	2397.3
45°	264.0	249.9	234.9	231.1	267.2	433.2	1001.5	2091.1	2384.6	2395.4
47.5°	257.4	248.5	234.0	223.6	260.2	415.9	974.8	2059.2	2338.7	2340.5
50°	252.2	241.9	226.9	206.8	250.8	401.3	986.9	2047.5	2228.0	2232.2
52.5°	246.6	231.1	222.7	188.0	235.4	389.2	1012.7	2100.5	2240.7	2239.7
55°	240.1	223.2	202.5	172.1	209.6	373.7	1075.1	2205.0	2357.9	2373.8
57.5°	229.7	215.2	185.7	158.0	180.0	344.1	1054.9	2004.8	2169.4	2172.2
60°	216.1	202.5	168.3	147.2	147.7	271.5	943.3	1562.2	1711.8	1752.6
62.5°	203.0	195.5	153.8	131.7	125.7	216.1	797.5	1298.3	1469.4	1503.2
65°	187.5	169.3	141.1	120.0	107.8	151.4	565.0	970.1	1146.4	1191.8
67.5°	167.9	148.2	124.2	105.5	92.4	101.3	291.6	551.4	730.0	756.7
70°	146.8	128.5	104.6	89.1	74.5	69.9	128.5	263.0	399.0	426.7
72.5°	120.5	103.6	83.5	70.3	55.8	48.3	43.1	70.3	141.6	164.6
75°	87.2	75.5	62.8	50.2	39.4	30.9	25.3	21.1	23.4	25.3
77.5°	64.2	54.9	46.4	35.6	27.7	22.0	17.3	13.1	12.7	12.2
80°	50.2	44.5	37.0	28.6	21.6	16.4	12.2	8.9	8.0	8.0
82.5°	39.4	36.6	30.5	23.4	17.8	13.1	8.9	6.1	5.2	5.2
85°	15.0	15.0	22.0	19.2	13.6	9.4	6.1	3.3	2.8	2.8
87.5°	3.8	3.8	3.8	3.8	3.3	2.8	2.8	1.4	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)