

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: P948075

Luminaire Tested: **GALN-SB3B-727-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-727-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

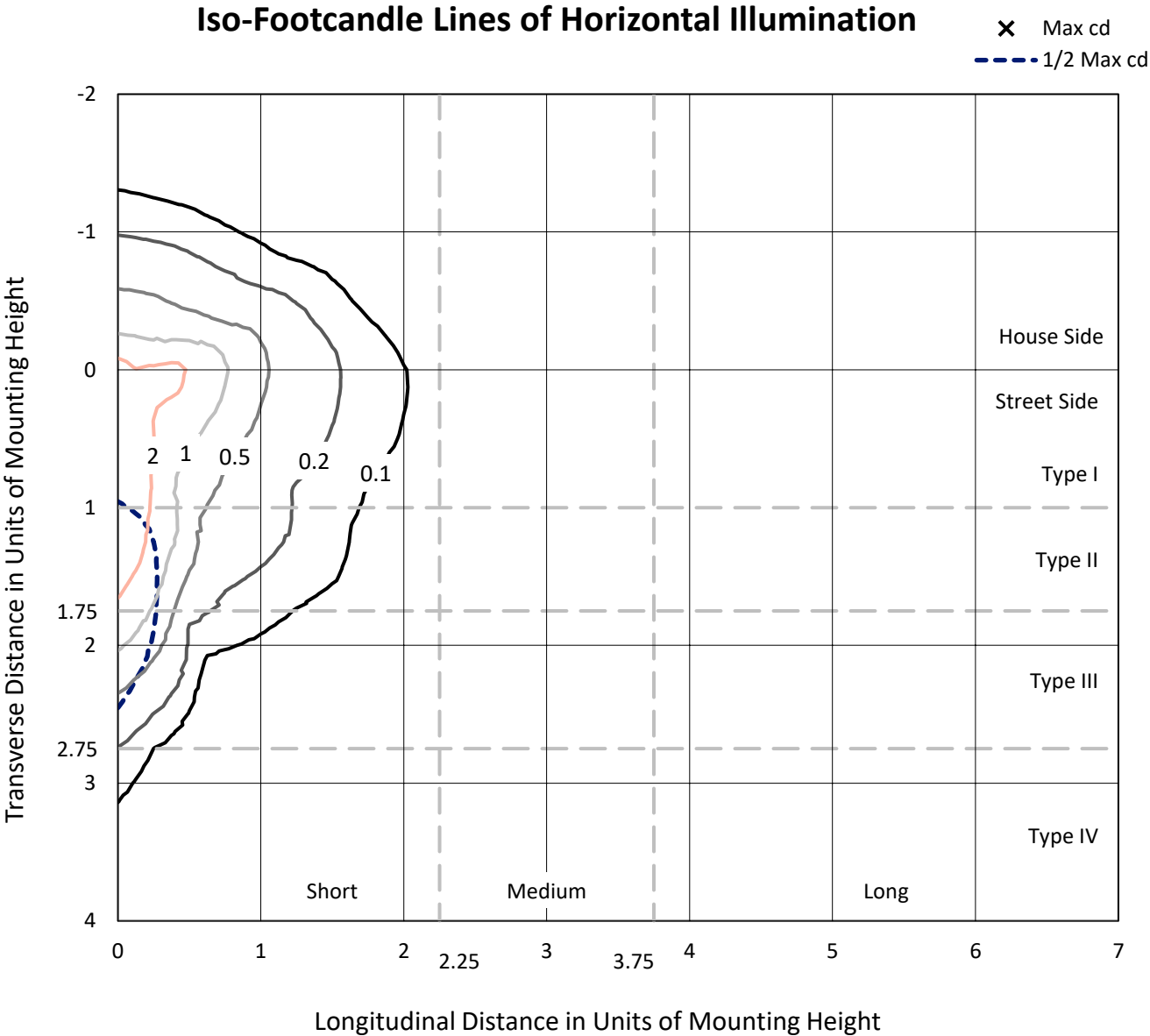
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11960 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 109.2
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



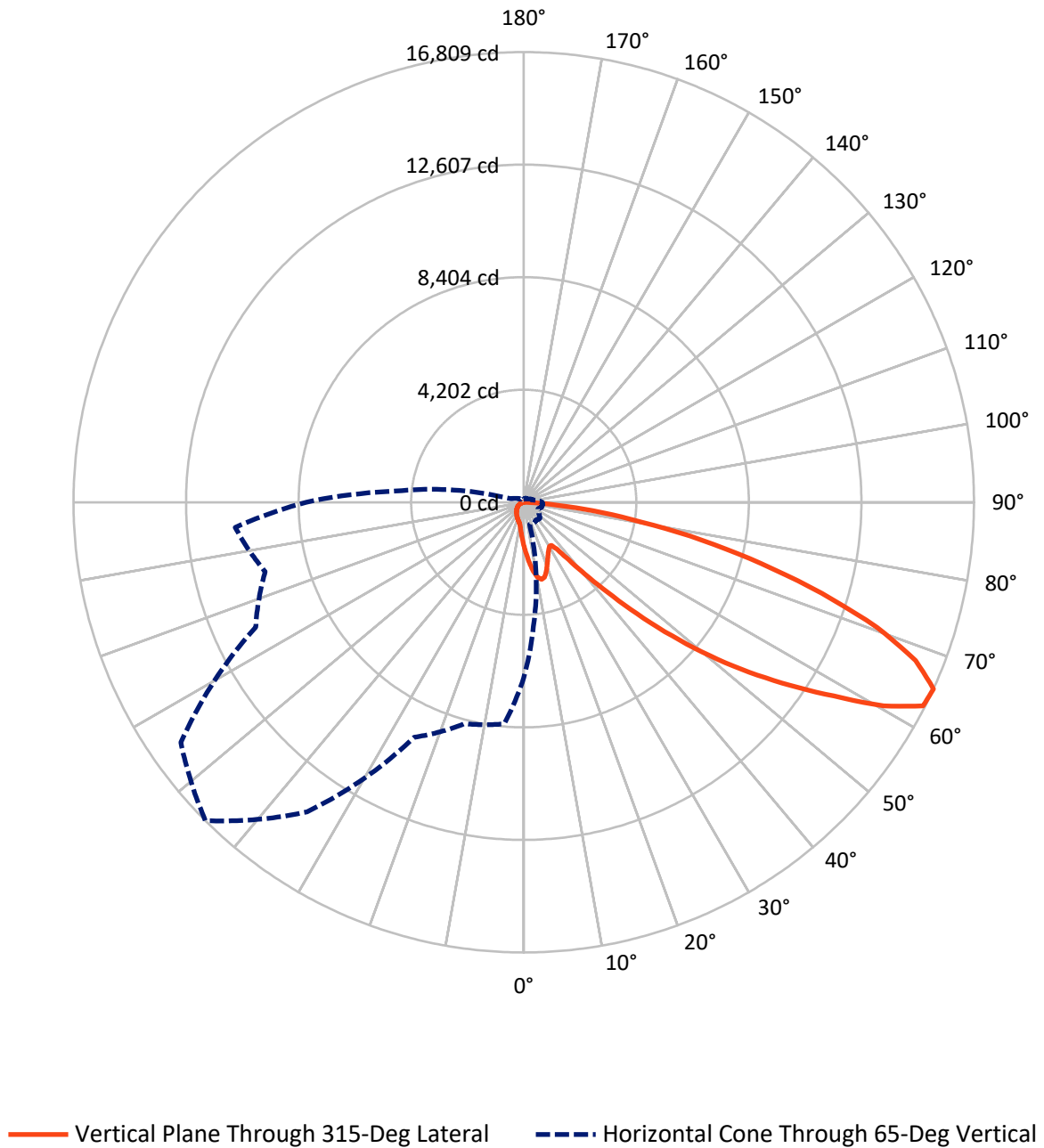
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Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1674.9	0.0	1674.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	10285.1	0.0	10285.1
	% Fixture	86.0	0.0	86.0
Total	Lumens	11960.0	0.0	11960.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.0	1.4
10°-20°	488.8	4.1
20°-30°	720.0	6.0
30°-40°	925.1	7.7
40°-50°	1496.1	12.5
50°-60°	2623.6	21.9
60°-70°	3282.8	27.4
70°-80°	1918.3	16.0
80°-90°	342.3	2.9
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°	11960.0	100.0
0°-180°	11960.0	100.0

Coefficient of Utilization



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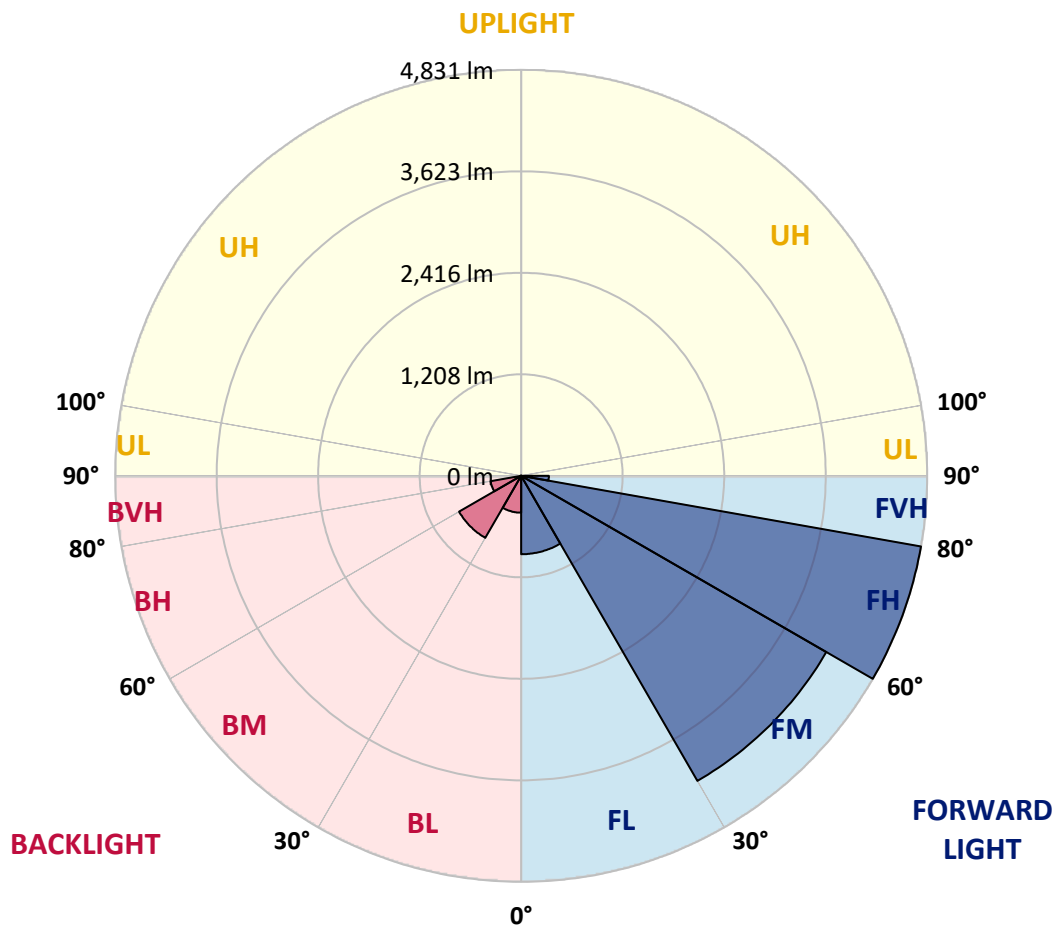
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	932.8	7.8			
FM	(30°-60°)	4191.8	35.0			
FH	(60°-80°)	4831.3	40.4			G2/5000
FVH	(80°-90°)	329.1	2.8			G3/500
BL	(0°-30°)	439.0	3.7	B1/500		
BM	(30°-60°)	852.9	7.1	B1/1000		
BH	(60°-80°)	369.8	3.1	B1/500		G1/500
BVH	(80°-90°)	13.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1
2.5°	1871.1	1839.0	1820.0	1773.1	1726.1	1688.2	1637.1	1603.3	1563.0	1524.3	1489.6
5°	2085.3	2033.4	1970.8	1885.1	1806.9	1726.9	1649.5	1572.9	1492.1	1418.0	1372.6
7.5°	2266.6	2191.6	2081.2	1967.5	1867.8	1771.4	1680.8	1579.5	1481.4	1365.2	1303.4
10°	2405.0	2309.4	2164.4	2015.3	1900.8	1803.6	1715.4	1629.7	1530.8	1390.8	1313.3
12.5°	2489.1	2386.9	2214.7	2040.0	1909.0	1800.3	1731.9	1694.0	1655.3	1516.0	1425.4
15°	2550.9	2440.4	2250.1	2057.3	1890.1	1756.6	1706.3	1744.2	1788.7	1699.7	1595.1
17.5°	2615.1	2498.9	2296.3	2064.7	1839.0	1671.7	1650.3	1748.4	1851.3	1847.2	1743.4
20°	2676.1	2560.7	2336.6	2059.8	1756.6	1568.7	1587.7	1712.9	1832.4	1882.7	1826.6
22.5°	2746.1	2624.2	2375.4	2040.8	1649.5	1472.3	1531.7	1656.9	1761.5	1820.9	1803.6
25°	2831.8	2704.1	2429.7	2012.8	1534.1	1392.4	1474.8	1591.8	1676.7	1717.9	1717.0
27.5°	2924.1	2799.7	2502.2	1998.0	1441.0	1335.6	1410.5	1514.4	1590.2	1619.0	1619.0
30°	3038.6	2910.9	2587.9	1981.5	1380.1	1302.6	1343.8	1424.6	1498.7	1527.5	1527.5
32.5°	3163.8	3034.5	2670.3	1942.0	1343.0	1277.9	1278.7	1329.8	1397.4	1432.0	1436.9
35°	3320.4	3182.8	2758.5	1855.5	1313.3	1249.1	1215.3	1240.0	1296.0	1337.2	1347.9
37.5°	3543.7	3377.2	2866.4	1731.9	1269.7	1204.6	1148.5	1154.3	1197.2	1242.5	1258.9
40°	3851.8	3638.4	2993.3	1603.3	1207.0	1142.0	1075.2	1072.7	1104.1	1148.5	1166.7
42.5°	4268.7	3983.6	3145.7	1480.6	1146.9	1066.2	997.8	993.6	1018.4	1057.1	1076.0
45°	4819.1	4425.3	3332.8	1375.1	1099.9	992.0	924.4	922.8	943.4	977.2	996.9
47.5°	5523.6	5039.1	3519.8	1303.4	1075.2	933.5	864.3	867.6	885.7	916.2	930.2
50°	6435.6	5839.1	3576.6	1267.2	1075.2	902.2	810.7	827.2	842.0	865.1	873.4
52.5°	7529.0	6607.0	3388.8	1234.2	1081.8	906.3	765.4	800.8	811.6	831.3	834.6
55°	8542.4	6983.5	2913.4	1188.9	1083.5	931.9	726.7	779.4	799.2	806.6	805.8
57.5°	9130.7	6854.2	2355.6	1112.3	1076.9	949.2	702.0	753.1	791.0	795.9	788.5
60°	9018.6	6400.2	1734.3	1053.8	1028.3	942.6	694.6	712.7	772.8	780.3	770.4
62.5°	8155.2	5638.9	1203.7	1008.5	921.1	913.7	692.1	649.2	733.3	751.4	737.4
65°	6555.1	4439.3	850.3	868.4	807.4	851.1	678.9	583.3	685.5	710.2	688.8
67.5°	4755.7	3004.0	613.8	703.6	731.6	749.8	649.2	535.5	631.1	664.1	636.1
70°	3051.8	1622.3	430.9	464.7	616.3	636.9	598.2	492.7	575.9	613.8	583.3
72.5°	2169.4	958.2	309.8	325.4	495.2	530.6	526.5	444.9	511.7	557.8	521.5
75°	1497.1	528.1	209.3	232.3	359.2	430.9	406.2	382.3	433.4	480.3	444.9
77.5°	938.4	236.5	125.2	161.5	235.6	338.6	278.5	295.8	337.8	381.5	344.4
80°	522.4	91.5	70.0	107.1	128.5	246.4	154.1	190.3	248.8	280.1	250.5
82.5°	113.7	11.5	31.3	46.1	50.3	143.4	81.6	110.4	156.5	154.1	133.5
85°	0.0	0.0	5.8	6.6	3.3	61.8	29.7	36.3	51.1	47.8	36.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1
2.5°	1483.1	1442.7	1413.0	1398.2	1385.8	1397.4	1404.0	1404.0	1432.0	1448.4	1455.0
5°	1343.8	1271.3	1216.1	1179.0	1156.8	1164.2	1172.4	1181.5	1216.9	1240.8	1256.5
7.5°	1247.4	1136.2	1052.1	1000.2	973.0	977.2	982.9	990.4	1025.0	1048.8	1069.4
10°	1229.3	1069.4	950.8	882.4	849.5	843.7	840.4	837.9	858.5	876.6	893.1
12.5°	1303.4	1072.7	907.1	823.9	783.5	766.2	746.5	730.8	734.1	745.6	766.2
15°	1436.1	1114.8	893.1	793.4	743.2	714.3	691.3	672.3	668.2	672.3	675.6
17.5°	1587.7	1171.6	891.5	767.1	704.5	674.8	655.8	638.5	632.8	633.6	637.7
20°	1688.2	1216.9	886.5	737.4	667.4	641.0	624.5	607.2	601.5	603.1	603.9
22.5°	1698.1	1240.8	879.1	704.5	630.3	608.1	591.6	575.9	575.1	575.1	580.0
25°	1644.5	1240.8	863.5	674.8	594.9	575.1	560.3	541.3	544.6	546.3	552.8
27.5°	1561.3	1211.2	833.8	650.9	564.4	543.8	529.0	511.7	515.8	518.2	525.7
30°	1478.9	1173.3	798.4	623.7	535.5	511.7	500.9	486.1	487.8	491.1	499.3
32.5°	1402.3	1132.9	756.4	601.5	506.7	482.8	474.6	458.1	460.6	463.9	472.9
35°	1326.5	1088.4	706.9	575.1	480.3	456.5	449.9	430.9	432.6	437.5	447.4
37.5°	1244.9	1041.4	666.6	548.7	454.8	430.1	423.5	403.7	405.4	411.1	422.7
40°	1159.3	995.3	627.0	520.7	427.6	402.9	397.1	375.7	377.4	383.9	396.3
42.5°	1072.7	945.0	596.5	484.5	399.6	373.2	367.5	347.7	350.2	357.6	369.9
45°	992.8	884.9	576.7	444.1	373.2	343.6	337.8	319.7	324.6	332.9	345.2
47.5°	924.4	823.1	568.5	410.3	345.2	313.1	308.1	293.3	301.6	310.6	320.5
50°	865.9	763.8	557.8	375.7	318.9	286.7	281.8	271.9	282.6	291.7	300.7
52.5°	823.9	696.2	534.7	344.4	295.8	264.5	262.8	257.9	267.8	276.0	284.3
55°	787.7	626.2	497.6	317.2	275.2	245.5	247.2	244.7	252.9	259.5	266.9
57.5°	754.7	565.2	450.7	295.8	252.9	229.0	234.0	230.7	234.8	238.9	248.0
60°	715.2	503.4	394.7	271.9	226.6	212.6	218.3	209.3	208.5	210.1	212.6
62.5°	656.7	420.2	336.2	242.2	203.5	194.4	196.9	179.6	166.4	166.4	168.9
65°	575.1	337.8	281.8	209.3	177.1	169.7	168.1	143.4	125.2	123.6	131.0
67.5°	480.3	277.7	234.0	176.3	147.5	142.5	144.2	126.1	107.9	106.3	114.5
70°	391.4	229.9	188.7	140.9	113.7	118.6	126.1	107.9	90.6	88.2	95.6
72.5°	318.0	182.9	147.5	107.9	84.0	98.0	107.1	88.2	71.7	70.0	76.6
75°	245.5	134.3	105.5	73.3	61.0	75.8	84.0	64.3	51.1	48.6	54.4
77.5°	164.0	83.2	59.3	46.1	36.3	51.9	56.0	33.8	29.7	28.8	33.0
80°	99.7	38.7	25.5	22.2	12.4	19.0	22.2	14.0	15.7	16.5	19.8
82.5°	50.3	10.7	4.1	0.8	0.0	0.0	6.6	3.3	6.6	8.2	12.4
85°	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.1	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1
2.5°	1501.2	1535.8	1568.7	1621.5	1675.9	1729.4	1783.8	1836.5	1855.5	1869.5	1900.8
5°	1328.2	1393.2	1469.0	1573.7	1685.7	1801.1	1918.1	2025.2	2073.8	2106.8	2180.9
7.5°	1149.4	1234.2	1343.0	1500.4	1675.9	1859.6	2043.3	2212.2	2290.5	2353.9	2466.8
10°	972.2	1064.5	1202.1	1381.7	1619.0	1882.7	2136.4	2368.8	2470.1	2550.0	2703.3
12.5°	816.5	903.0	1047.2	1245.8	1530.0	1864.5	2190.0	2469.3	2588.8	2678.6	2846.6
15°	706.9	767.9	895.6	1109.8	1424.6	1806.0	2193.3	2517.1	2648.1	2742.0	2887.8
17.5°	646.0	666.6	749.8	971.4	1307.6	1729.4	2162.8	2533.6	2673.6	2761.0	2862.3
20°	613.0	616.3	639.4	791.8	1157.6	1657.7	2134.0	2550.0	2697.5	2770.8	2801.3
22.5°	586.6	586.6	592.4	647.6	964.0	1572.0	2124.9	2578.9	2730.5	2775.8	2713.2
25°	562.7	562.7	564.4	579.2	763.8	1441.0	2119.1	2623.4	2775.8	2788.1	2615.9
27.5°	538.0	538.8	538.8	547.1	615.5	1263.1	2094.4	2681.0	2830.2	2804.6	2522.8
30°	513.3	514.9	514.9	520.7	544.6	1054.6	2045.8	2750.2	2901.0	2826.0	2430.6
32.5°	488.6	490.2	490.2	495.2	512.5	842.0	1984.8	2813.7	2972.7	2835.1	2344.9
35°	463.0	465.5	463.9	470.5	488.6	669.8	1907.4	2877.1	3050.1	2863.9	2302.9
37.5°	437.5	439.1	438.3	444.9	465.5	578.4	1817.6	2924.9	3155.6	2928.2	2353.1
40°	412.0	411.1	411.1	418.6	440.8	552.0	1704.7	3000.7	3307.2	3041.1	2572.3
42.5°	385.6	385.6	383.9	392.2	419.4	532.3	1596.8	3136.7	3528.0	3220.7	2961.2
45°	361.7	360.9	357.6	365.0	398.8	497.6	1558.9	3390.4	3854.3	3511.5	3431.6
47.5°	338.6	337.8	329.6	336.2	374.1	466.3	1700.6	3805.7	4306.6	3939.2	3872.4
50°	318.0	318.9	303.2	309.0	349.3	442.4	2007.9	4344.5	4907.3	4515.1	4290.1
52.5°	299.1	299.1	278.5	281.8	318.9	421.0	2300.4	4928.7	5699.9	5318.4	4777.1
55°	280.1	278.5	255.4	257.1	288.4	390.5	2344.0	5498.8	6780.9	6527.1	5442.8
57.5°	258.7	255.4	234.0	234.0	260.4	368.3	2031.8	5937.2	8122.2	8303.5	6402.7
60°	232.3	229.9	215.9	211.7	238.1	388.1	1433.6	5988.2	8987.3	10665.6	8240.8
62.5°	198.6	201.9	194.4	188.7	216.7	402.9	849.5	5577.1	8778.0	11417.0	10442.4
65°	156.5	169.7	168.1	164.0	238.1	339.5	501.8	4787.8	8136.2	10810.6	9993.3
67.5°	133.5	142.5	140.1	140.1	249.6	257.9	315.6	3740.6	7253.0	10091.4	8926.3
70°	113.7	122.8	113.7	113.7	188.7	156.5	218.3	2611.8	6299.7	9295.5	8226.0
72.5°	93.9	103.0	93.1	86.5	150.8	117.0	159.8	1632.2	5395.0	8466.6	7746.5
75°	71.7	82.4	75.0	66.7	99.7	87.3	121.1	948.3	4469.8	7243.9	7063.5
77.5°	45.3	59.3	56.0	47.0	73.3	63.4	87.3	564.4	3448.9	5660.3	6075.6
80°	28.0	30.5	31.3	29.7	42.0	42.8	59.3	321.3	2360.5	3944.9	4746.6
82.5°	18.1	18.1	14.0	15.7	20.6	24.7	33.8	121.1	1387.5	2401.7	3303.9
85°	13.2	11.5	7.4	7.4	9.9	12.4	13.2	37.1	562.7	948.3	1291.9
87.5°	6.6	5.8	2.5	3.3	4.9	4.1	3.3	1.6	141.7	303.2	212.6
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-SB3B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1	1656.1
2.5°	1917.3	1942.8	1944.4	1944.4	1922.2	1921.4	1876.1	1871.1
5°	2257.5	2274.0	2278.1	2269.9	2225.4	2192.4	2104.3	2085.3
7.5°	2569.0	2601.9	2601.9	2582.2	2509.7	2442.1	2314.4	2266.6
10°	2817.8	2855.7	2847.5	2807.1	2715.6	2622.5	2467.6	2405.0
12.5°	2938.9	2977.6	2956.2	2910.1	2821.1	2723.1	2559.9	2489.1
15°	2936.4	2925.7	2903.5	2897.7	2854.9	2780.7	2628.3	2550.9
17.5°	2831.8	2741.2	2723.9	2781.6	2835.9	2817.8	2687.6	2615.1
20°	2666.2	2508.0	2492.4	2602.8	2757.7	2836.8	2742.8	2676.1
22.5°	2491.5	2321.0	2284.7	2406.7	2639.8	2842.5	2812.9	2746.1
25°	2325.9	2154.5	2118.3	2232.0	2508.8	2832.6	2888.7	2831.8
27.5°	2187.5	2021.9	1988.1	2101.8	2382.8	2804.6	2964.5	2924.1
30°	2080.4	1927.1	1902.4	2012.0	2274.0	2770.0	3060.9	3038.6
32.5°	2017.8	1905.7	1914.8	2004.6	2215.5	2732.1	3153.1	3163.8
35°	2079.6	2084.5	2163.6	2200.7	2269.9	2726.3	3278.4	3320.4
37.5°	2386.9	2558.3	2722.2	2691.7	2536.0	2793.1	3465.4	3543.7
40°	2910.1	3261.9	3528.0	3411.8	3019.7	2997.4	3734.8	3851.8
42.5°	3549.4	4146.0	4584.3	4272.8	3643.4	3355.0	4119.6	4268.7
45°	4224.2	5236.0	5926.4	5278.8	4308.3	3855.9	4702.1	4819.1
47.5°	4935.3	6560.9	7454.0	6394.4	4924.6	4426.1	5496.4	5523.6
50°	5713.1	8013.4	9011.2	7509.2	5519.4	5079.5	6466.9	6435.6
52.5°	6453.8	9507.2	10535.5	8628.9	6041.8	5890.2	7593.2	7529.0
55°	7160.7	11000.1	12068.8	9704.9	6534.5	6961.3	8931.3	8542.4
57.5°	7980.5	12342.3	13649.0	10785.9	7223.3	8352.1	10427.5	9130.7
60°	9192.5	13867.4	15436.1	12267.3	8533.3	9813.7	10963.9	9018.6
62.5°	10739.8	15269.7	16735.4	13719.1	9849.1	10088.9	10173.8	8155.2
65°	11040.5	15624.8	16808.8	14107.1	9679.4	8558.0	8305.9	6555.1
67.5°	10243.0	14983.0	15783.8	13384.6	8562.2	6613.6	6232.9	4755.7
70°	9348.2	13759.4	13997.6	12156.1	7530.6	4864.4	4209.4	3051.8
72.5°	8431.2	12127.3	11634.6	10556.9	6618.5	3542.0	3036.1	2169.4
75°	7341.9	9981.0	9164.5	8771.4	5479.9	2779.9	2196.6	1497.1
77.5°	5879.5	7025.6	6807.2	6799.0	4117.9	2031.0	1465.8	938.4
80°	4147.6	4559.6	4448.3	5120.7	2762.6	1473.2	882.4	522.4
82.5°	2007.9	2521.2	2587.9	3049.3	1343.8	866.8	203.5	113.7
85°	786.0	1216.1	1025.8	1157.6	377.4	241.4	4.9	0.0
87.5°	88.2	140.9	129.4	102.2	46.1	9.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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