

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: P948115

Luminaire Tested: **GALN-SB3B-735-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948115  
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-735-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

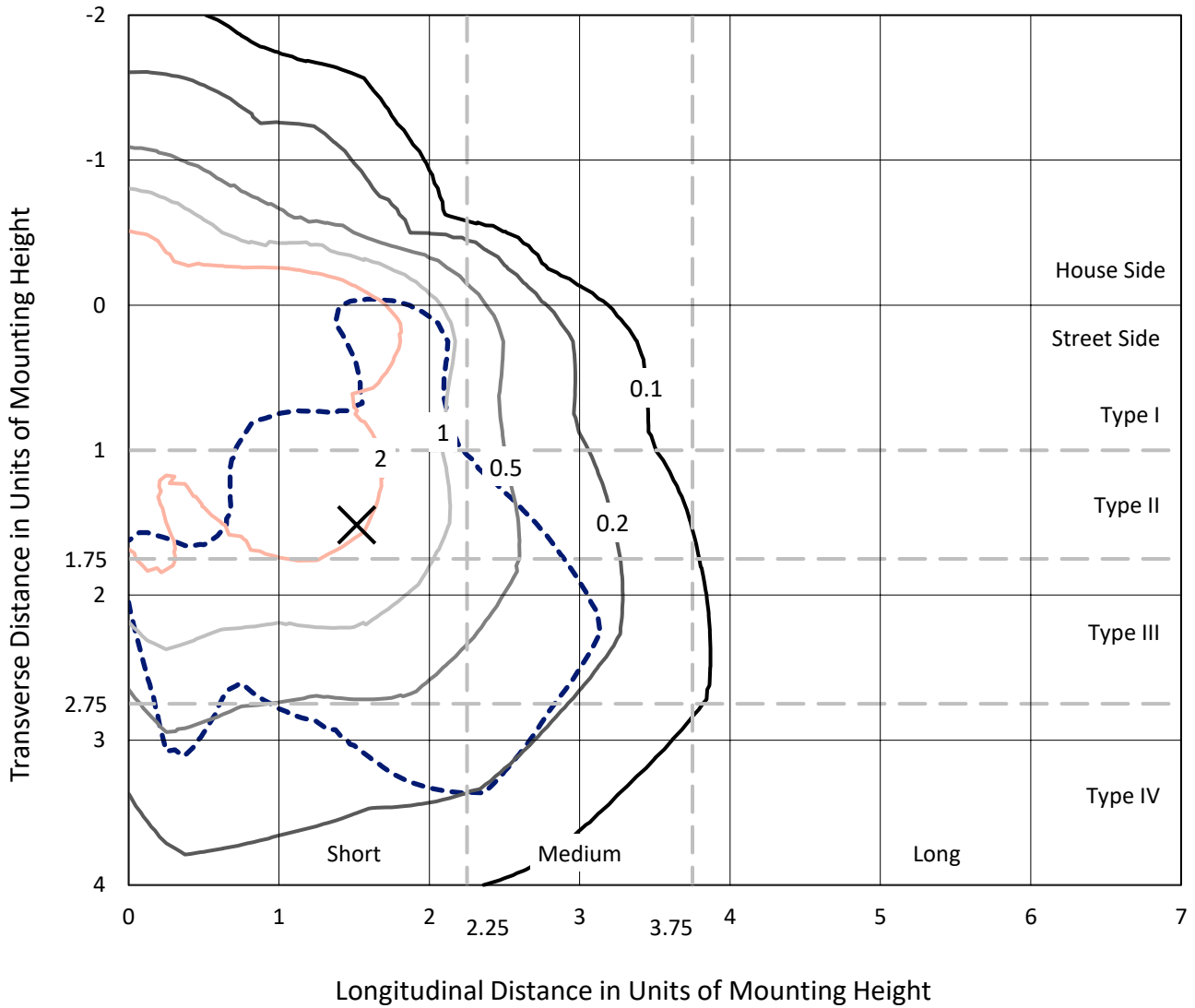
Lumens per Lamp: N/A  
Luminaire Lumens: 12894 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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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### Iso-Footcandle Lines of Horizontal Illumination

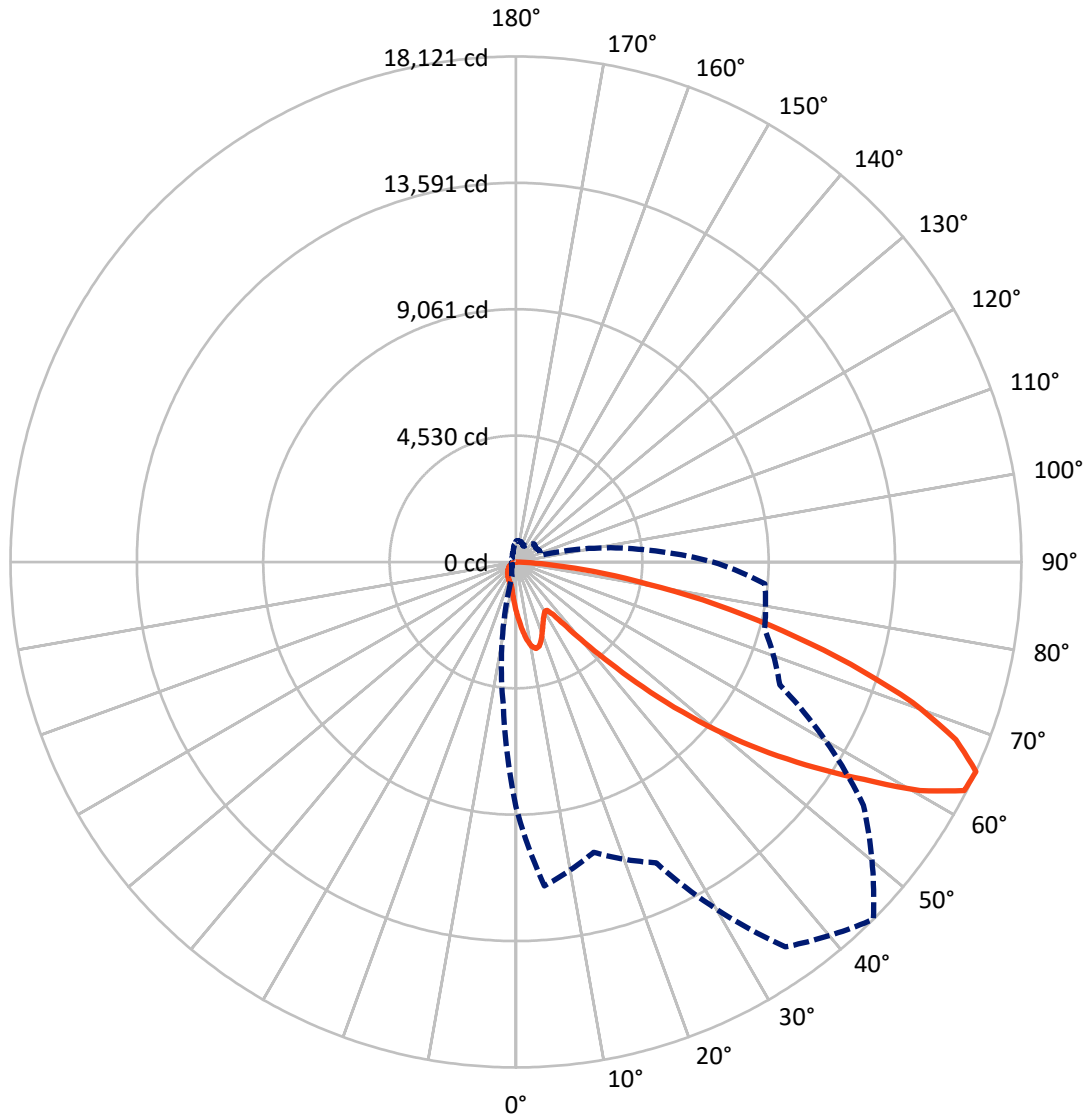
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2562.9	0.0	2562.9
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	10331.1	0.0	10331.1
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	12894.0	0.0	12894.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.8	1.4
10°-20°	526.9	4.1
20°-30°	776.3	6.0
30°-40°	997.3	7.7
40°-50°	1612.9	12.5
50°-60°	2828.5	21.9
60°-70°	3539.2	27.4
70°-80°	2068.1	16.0
80°-90°	369.0	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°	12894.0	100.0
0°-180°	12894.0	100.0

**Coefficient of Utilization**



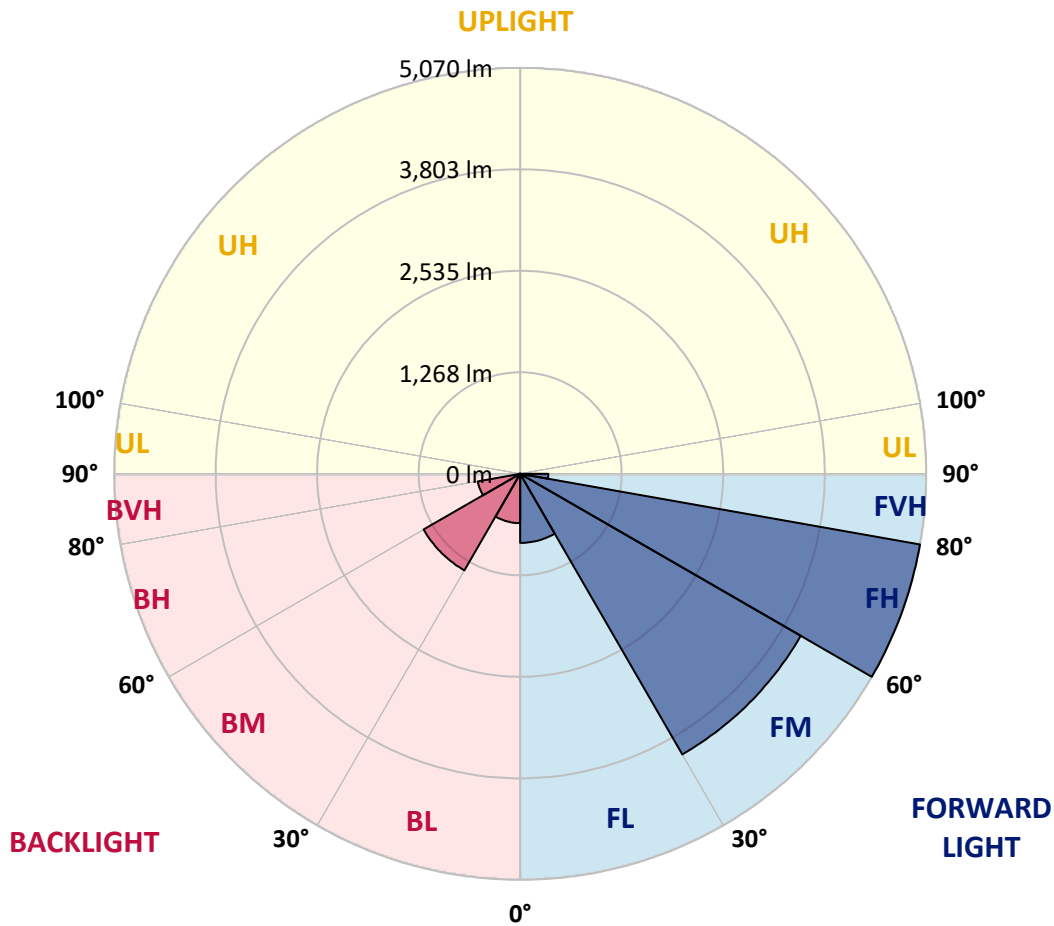
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.8	6.7			
FM (30°-60°)	4046.3	31.4			
FH (60°-80°)	5070.3	39.3			G3/7500
FVH (80°-90°)	351.7	2.7			G3/500
BL (0°-30°)	616.2	4.8	B2/1000		
BM (30°-60°)	1392.4	10.8	B2/2500		
BH (60°-80°)	537.0	4.2	B2/1000		G2/1000
BVH (80°-90°)	17.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4
2.5°	2000.4	2015.5	2049.2	2067.0	2094.5	2096.3	2096.3	2072.3	2071.4	2022.6
5°	2235.8	2271.3	2351.2	2433.8	2451.6	2456.0	2447.2	2399.2	2363.7	2268.6
7.5°	2469.4	2537.8	2659.5	2769.6	2805.1	2805.1	2783.8	2705.6	2632.8	2495.1
10°	2663.0	2749.2	2914.4	3037.9	3078.7	3069.8	3026.3	2927.7	2827.3	2660.3
12.5°	2790.9	2887.7	3068.9	3168.4	3210.2	3187.1	3137.3	3041.4	2935.7	2759.8
15°	2854.9	2956.1	3113.4	3165.8	3154.2	3130.2	3124.0	3077.8	2997.9	2833.6
17.5°	2882.4	2976.6	3085.8	3053.0	2955.2	2936.6	2998.8	3057.4	3037.9	2897.5
20°	2908.2	2987.2	3020.1	2874.4	2703.9	2687.0	2806.0	2973.0	3058.3	2957.0
22.5°	2943.7	2992.6	2925.0	2686.1	2502.2	2463.2	2594.6	2846.0	3064.5	3032.5
25°	2992.6	3005.9	2820.2	2507.6	2322.8	2283.7	2406.3	2704.8	3053.8	3114.2
27.5°	3051.2	3023.6	2719.9	2358.3	2179.8	2143.4	2266.0	2568.9	3023.6	3196.0
30°	3127.6	3046.7	2620.4	2242.9	2077.6	2051.0	2169.1	2451.6	2986.3	3299.9
32.5°	3204.8	3056.5	2528.0	2175.4	2054.5	2064.3	2161.1	2388.5	2945.5	3399.4
35°	3288.3	3087.6	2482.7	2242.0	2247.3	2332.6	2372.5	2447.2	2939.3	3534.4
37.5°	3402.0	3156.9	2536.9	2573.3	2758.1	2934.8	2902.0	2734.1	3011.2	3736.0
40°	3565.5	3278.6	2773.2	3137.3	3516.6	3803.5	3678.3	3255.5	3231.5	4026.5
42.5°	3803.5	3472.2	3192.4	3826.6	4469.7	4942.3	4606.5	3927.9	3617.0	4441.3
45°	4155.3	3785.8	3699.6	4554.1	5644.9	6389.3	5691.1	4644.7	4157.1	5069.3
47.5°	4642.9	4246.8	4174.8	5320.7	7073.2	8036.1	6893.8	5309.1	4771.7	5925.6
50°	5290.5	4867.7	4625.2	6159.2	8639.2	9714.9	8095.6	5950.5	5476.1	6972.0
52.5°	6145.0	5733.7	5150.1	6957.8	10249.7	11358.2	9302.8	6513.6	6350.2	8186.2
55°	7310.4	7036.8	5867.9	7719.9	11859.2	13011.3	10462.8	7044.8	7504.9	9628.8
57.5°	8756.5	8951.9	6902.7	8603.7	13306.2	14714.9	11628.2	7787.4	9004.3	11241.8
60°	9689.2	11498.6	8884.4	9910.3	14950.3	16641.6	13225.3	9199.7	10580.1	11820.1
62.5°	9463.5	12308.6	11257.8	11578.5	16462.2	18042.4	14790.4	10618.3	10876.8	10968.3
65°	8771.6	11654.9	10773.7	11902.7	16845.0	18121.4	15208.8	10435.3	9226.4	8954.6
67.5°	7819.4	10879.4	9623.4	11042.9	16153.0	17016.4	14429.8	9230.8	7130.1	6719.7
70°	6791.7	10021.4	8868.4	10078.2	14834.0	15090.7	13105.4	8118.7	5244.3	4538.1
72.5°	5816.3	9127.8	8351.4	9089.6	13074.3	12543.1	11381.3	7135.4	3818.6	3273.2
75°	4818.8	7809.6	7615.1	7915.3	10760.4	9880.1	9456.4	5907.8	2997.0	2368.1
77.5°	3718.3	6102.4	6550.0	6338.6	7574.2	7338.8	7329.9	4439.5	2189.6	1580.2
80°	2544.9	4253.0	5117.3	4471.5	4915.6	4795.7	5520.5	2978.3	1588.2	951.3
82.5°	1495.8	2589.3	3561.9	2164.7	2718.1	2790.0	3287.5	1448.8	934.5	219.4
85°	606.7	1022.4	1392.8	847.4	1311.1	1105.9	1248.0	406.8	260.3	5.3
87.5°	152.8	326.9	229.2	95.0	151.9	139.5	110.1	49.7	10.7	0.0
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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**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1785.4	0°	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4
2017.2	2.5°	1982.6	1962.2	1911.5	1860.9	1820.0	1765.0	1728.6	1685.0	1643.3	1606.0
2248.2	5°	2192.2	2124.7	2032.3	1948.0	1861.8	1778.3	1695.7	1608.6	1528.7	1479.8
2443.6	7.5°	2362.8	2243.7	2121.2	2013.7	1909.8	1812.1	1702.8	1597.1	1471.8	1405.2
2592.8	10°	2489.8	2333.5	2172.7	2049.2	1944.4	1849.4	1757.0	1650.4	1499.4	1415.9
2683.4	12.5°	2573.3	2387.6	2199.3	2058.1	1940.9	1867.1	1826.3	1784.5	1634.4	1536.7
2750.1	15°	2631.0	2425.8	2218.0	2037.7	1893.8	1839.6	1880.5	1928.4	1832.5	1719.7
2819.3	17.5°	2694.1	2475.6	2226.0	1982.6	1802.3	1779.2	1884.9	1995.9	1991.5	1879.6
2885.1	20°	2760.7	2519.1	2220.7	1893.8	1691.3	1711.7	1846.7	1975.5	2029.7	1969.3
2960.6	22.5°	2829.1	2560.9	2200.2	1778.3	1587.3	1651.3	1786.3	1899.1	1963.1	1944.4
3053.0	25°	2915.3	2619.5	2170.0	1653.9	1501.2	1590.0	1716.1	1807.6	1852.0	1851.1
3152.4	27.5°	3018.3	2697.7	2154.0	1553.6	1439.9	1520.7	1632.6	1714.3	1745.4	1745.4
3275.9	30°	3138.2	2790.0	2136.3	1487.8	1404.3	1448.8	1535.8	1615.7	1646.8	1646.8
3410.9	32.5°	3271.5	2878.9	2093.6	1447.9	1377.7	1378.6	1433.7	1506.5	1543.8	1549.1
3579.7	35°	3431.4	2973.9	2000.4	1415.9	1346.6	1310.2	1336.8	1397.2	1441.6	1453.2
3820.4	37.5°	3641.0	3090.3	1867.1	1368.8	1298.6	1238.2	1244.5	1290.6	1339.5	1357.3
4152.6	40°	3922.6	3227.1	1728.6	1301.3	1231.1	1159.2	1156.5	1190.3	1238.2	1257.8
4602.1	42.5°	4294.7	3391.4	1596.2	1236.5	1149.4	1075.7	1071.2	1097.9	1139.6	1160.1
5195.4	45°	4770.9	3593.0	1482.5	1185.8	1069.5	996.6	994.9	1017.1	1053.5	1074.8
5954.9	47.5°	5432.6	3794.7	1405.2	1159.2	1006.4	931.8	935.3	954.9	987.7	1002.8
6938.2	50°	6295.1	3855.9	1366.1	1159.2	972.6	874.0	891.8	907.8	932.7	941.6
8116.9	52.5°	7123.0	3653.4	1330.6	1166.3	977.1	825.2	863.4	874.9	896.3	899.8
9209.5	55°	7528.9	3140.9	1281.8	1168.1	1004.6	783.4	840.3	861.6	869.6	868.7
9843.7	57.5°	7389.5	2539.5	1199.2	1161.0	1023.3	756.8	811.9	852.7	858.1	850.1
9722.9	60°	6900.0	1869.8	1136.1	1108.6	1016.2	748.8	768.3	833.2	841.2	830.5
8792.0	62.5°	6079.3	1297.8	1087.2	993.1	985.1	746.1	700.0	790.6	810.1	795.0
7067.0	65°	4786.0	916.7	936.2	870.5	917.6	731.9	628.9	739.0	765.7	742.6
5127.0	67.5°	3238.6	661.8	758.6	788.8	808.3	700.0	577.4	680.4	715.9	685.7
3290.1	70°	1749.0	464.6	501.0	664.4	686.6	644.9	531.2	620.9	661.8	628.9
2338.8	72.5°	1033.0	334.0	350.9	533.8	572.0	567.6	479.7	551.6	601.4	562.3
1614.0	75°	569.4	225.6	250.5	387.3	464.6	437.9	412.2	467.2	517.9	479.7
1011.7	77.5°	254.9	135.0	174.1	254.0	365.1	300.2	318.9	364.2	411.3	371.3
563.2	80°	98.6	75.5	115.5	138.6	265.6	166.1	205.2	268.3	302.0	270.0
122.6	82.5°	12.4	33.8	49.7	54.2	154.6	87.9	119.0	168.8	166.1	143.9
0.0	85°	0.0	6.2	7.1	3.6	66.6	32.0	39.1	55.1	51.5	39.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	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

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**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
1785.4	0°	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4
1598.9	2.5°	1555.3	1523.4	1507.4	1494.1	1506.5	1513.6	1513.6	1543.8	1561.6	1568.7
1448.8	5°	1370.6	1311.1	1271.1	1247.1	1255.1	1264.0	1273.8	1312.0	1337.7	1354.6
1344.8	7.5°	1224.9	1134.3	1078.3	1049.0	1053.5	1059.7	1067.7	1105.0	1130.8	1153.0
1325.3	10°	1153.0	1025.1	951.3	915.8	909.6	906.0	903.4	925.6	945.1	962.9
1405.2	12.5°	1156.5	978.0	888.3	844.7	826.1	804.8	787.9	791.4	803.9	826.1
1548.2	15°	1201.8	962.9	855.4	801.2	770.1	745.3	724.8	720.4	724.8	728.4
1711.7	17.5°	1263.1	961.1	827.0	759.5	727.5	707.1	688.4	682.2	683.1	687.5
1820.0	20°	1312.0	955.8	795.0	719.5	691.1	673.3	654.6	648.4	650.2	651.1
1830.7	22.5°	1337.7	947.8	759.5	679.5	655.5	637.8	620.9	620.0	620.0	625.3
1773.0	25°	1337.7	930.9	727.5	641.3	620.0	604.0	583.6	587.1	588.9	596.0
1683.3	27.5°	1305.7	898.9	701.7	608.5	586.3	570.3	551.6	556.1	558.7	566.7
1594.4	30°	1264.9	860.7	672.4	577.4	551.6	540.1	524.1	525.9	529.4	538.3
1511.8	32.5°	1221.4	815.4	648.4	546.3	520.5	511.6	493.9	496.5	500.1	509.9
1430.1	35°	1173.4	762.1	620.0	517.9	492.1	485.0	464.6	466.3	471.7	482.3
1342.2	37.5°	1122.8	718.6	591.6	490.3	463.7	456.6	435.2	437.0	443.2	455.7
1249.8	40°	1073.0	676.0	561.4	461.0	434.4	428.1	405.0	406.8	413.9	427.3
1156.5	42.5°	1018.8	643.1	522.3	430.8	402.4	396.2	374.8	377.5	385.5	398.8
1070.4	45°	954.0	621.8	478.8	402.4	370.4	364.2	344.6	350.0	358.9	372.2
996.6	47.5°	887.4	612.9	442.4	372.2	337.5	332.2	316.2	325.1	334.9	345.5
933.6	50°	823.4	601.4	405.0	343.8	309.1	303.8	293.1	304.7	314.4	324.2
888.3	52.5°	750.6	576.5	371.3	318.9	285.1	283.4	278.0	288.7	297.6	306.5
849.2	55°	675.1	536.5	342.0	296.7	264.7	266.5	263.8	272.7	279.8	287.8
813.6	57.5°	609.3	485.9	318.9	272.7	246.9	252.3	248.7	253.2	257.6	267.4
771.0	60°	542.7	425.5	293.1	244.3	229.2	235.4	225.6	224.7	226.5	229.2
707.9	62.5°	453.0	362.4	261.1	219.4	209.6	212.3	193.6	179.4	179.4	182.1
620.0	65°	364.2	303.8	225.6	191.0	183.0	181.2	154.6	135.0	133.2	141.2
517.9	67.5°	299.3	252.3	190.1	159.0	153.7	155.4	135.9	116.4	114.6	123.5
421.9	70°	247.8	203.4	151.9	122.6	127.9	135.9	116.4	97.7	95.0	103.0
342.9	72.5°	197.2	159.0	116.4	90.6	105.7	115.5	95.0	77.3	75.5	82.6
264.7	75°	144.8	113.7	79.1	65.7	81.7	90.6	69.3	55.1	52.4	58.6
176.8	77.5°	89.7	64.0	49.7	39.1	56.0	60.4	36.4	32.0	31.1	35.5
107.5	80°	41.7	27.5	24.0	13.3	20.4	24.0	15.1	16.9	17.8	21.3
54.2	82.5°	11.5	4.4	0.9	0.0	0.0	7.1	3.6	7.1	8.9	13.3
4.4	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.4	8.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
0.0	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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 CATALOG NUMBER: GALN-SB3B-735-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
1785.4	0°	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4	1785.4
1618.4	2.5°	1655.7	1691.3	1748.1	1806.7	1864.5	1923.1	1979.9	2000.4
1431.9	5°	1502.1	1583.8	1696.6	1817.4	1941.7	2067.9	2183.3	2235.8
1239.1	7.5°	1330.6	1447.9	1617.5	1806.7	2004.8	2202.9	2385.0	2469.4
1048.1	10°	1147.6	1296.0	1489.6	1745.4	2029.7	2303.3	2553.8	2663.0
880.3	12.5°	973.5	1129.0	1343.1	1649.5	2010.1	2361.0	2662.1	2790.9
762.1	15°	827.9	965.5	1196.5	1535.8	1947.1	2364.6	2713.6	2854.9
696.4	17.5°	718.6	808.3	1047.3	1409.7	1864.5	2331.7	2731.4	2882.4
660.9	20°	664.4	689.3	853.6	1248.0	1787.2	2300.6	2749.2	2908.2
632.4	22.5°	632.4	638.7	698.2	1039.3	1694.8	2290.8	2780.3	2943.7
606.7	25°	606.7	608.5	624.4	823.4	1553.6	2284.6	2828.2	2992.6
580.0	27.5°	580.9	580.9	589.8	663.5	1361.7	2258.0	2890.4	3051.2
553.4	30°	555.2	555.2	561.4	587.1	1137.0	2205.6	2965.0	3127.6
526.7	32.5°	528.5	528.5	533.8	552.5	907.8	2139.8	3033.4	3204.8
499.2	35°	501.9	500.1	507.2	526.7	722.2	2056.3	3101.8	3288.3
471.7	37.5°	473.4	472.6	479.7	501.9	623.6	1959.5	3153.3	3402.0
444.1	40°	443.2	443.2	451.2	475.2	595.1	1837.8	3235.0	3565.5
415.7	42.5°	415.7	413.9	422.8	452.1	573.8	1721.5	3381.6	3803.5
389.9	45°	389.1	385.5	393.5	429.9	536.5	1680.6	3655.2	4155.3
365.1	47.5°	364.2	355.3	362.4	403.3	502.8	1833.4	4102.9	4642.9
342.9	50°	343.8	326.9	333.1	376.6	477.0	2164.7	4683.8	5290.5
322.4	52.5°	322.4	300.2	303.8	343.8	453.9	2480.0	5313.6	6145.0
302.0	55°	300.2	275.4	277.1	310.9	421.0	2527.1	5928.3	7310.4
278.9	57.5°	275.4	252.3	252.3	280.7	397.1	2190.5	6400.8	8756.5
250.5	60°	247.8	232.7	228.3	256.7	418.4	1545.6	6455.9	9689.2
214.1	62.5°	217.6	209.6	203.4	233.6	434.4	915.8	6012.6	9463.5
168.8	65°	183.0	181.2	176.8	256.7	366.0	541.0	5161.7	8771.6
143.9	67.5°	153.7	151.0	151.0	269.1	278.0	340.2	4032.7	7819.4
122.6	70°	132.4	122.6	122.6	203.4	168.8	235.4	2815.8	6791.7
101.3	72.5°	111.0	100.4	93.3	162.6	126.1	172.3	1759.6	5816.3
77.3	75°	88.8	80.8	71.9	107.5	94.2	130.6	1022.4	4818.8
48.9	77.5°	64.0	60.4	50.6	79.1	68.4	94.2	608.5	3718.3
30.2	80°	32.9	33.8	32.0	45.3	46.2	64.0	346.4	2544.9
19.5	82.5°	19.5	15.1	16.9	22.2	26.6	36.4	130.6	1495.8
14.2	85°	12.4	8.0	8.0	10.7	13.3	14.2	40.0	606.7
7.1	87.5°	6.2	2.7	3.6	5.3	4.4	3.6	1.8	152.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)