

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: P947065

Luminaire Tested: **GALN-SB2C-740-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947065
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-SB2C-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 4000K, 615mA 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: 12093 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

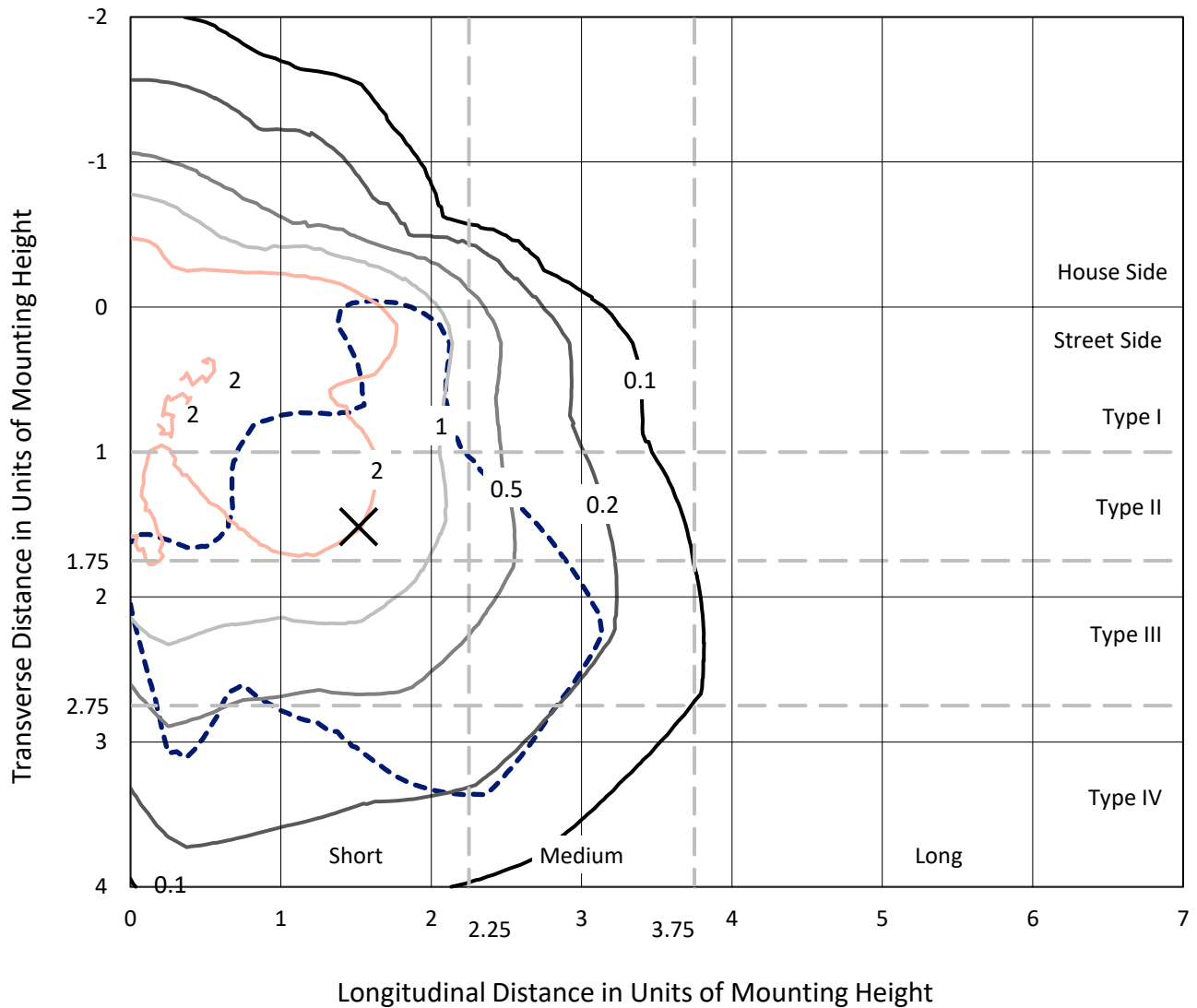
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947065
 CATALOG NUMBER: GALN-SB2C-740-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

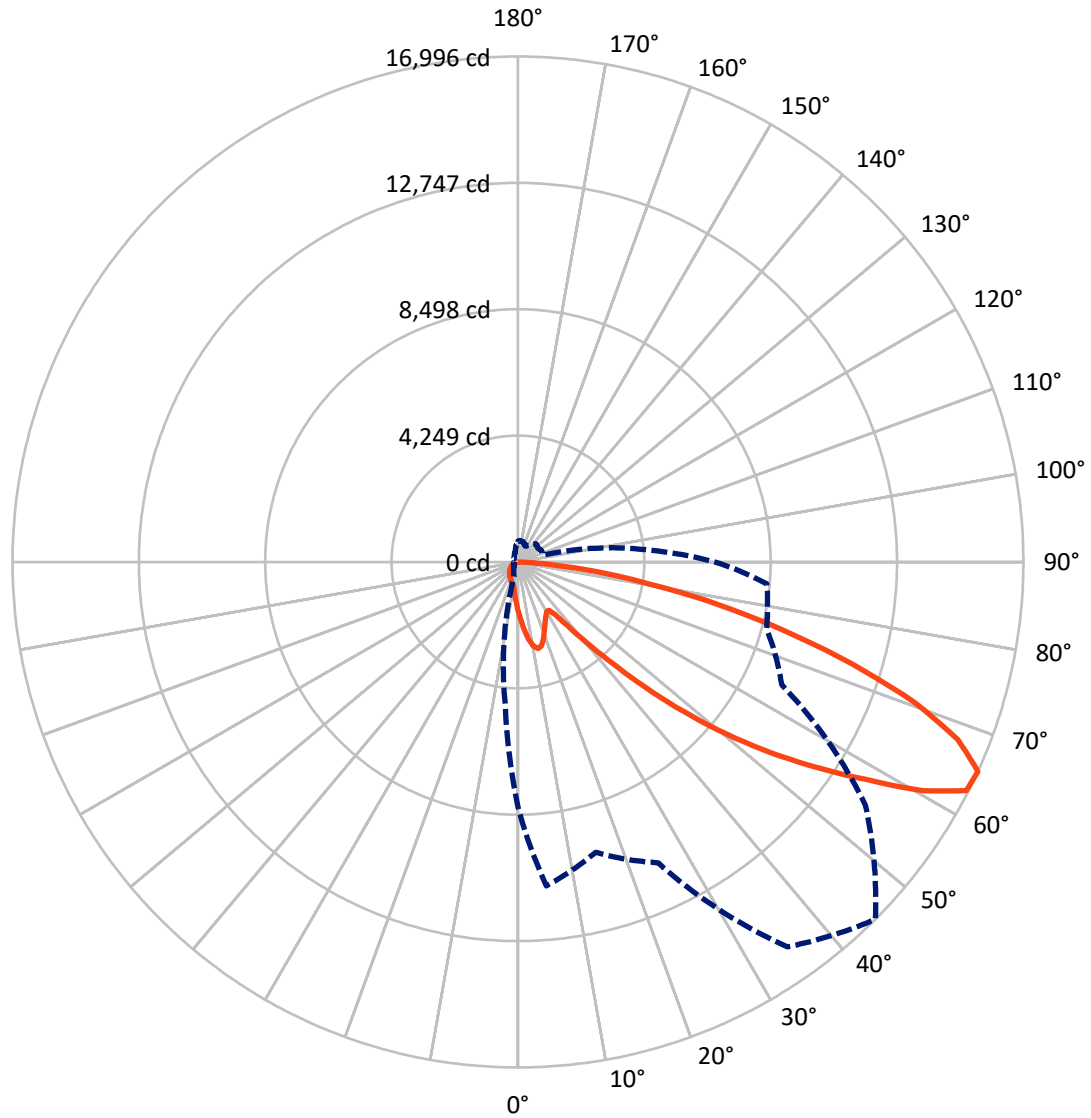
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P947065
CATALOG NUMBER: GALN-SB2C-740-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P947065
 CATALOG NUMBER: GALN-SB2C-740-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2403.7	0.0	2403.7
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	9689.3	0.0	9689.3
	% Fixture	80.1	0.0	80.1
Total	Lumens	12093.0	0.0	12093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	1.4
10°-20°	494.2	4.1
20°-30°	728.1	6.0
30°-40°	935.4	7.7
40°-50°	1512.8	12.5
50°-60°	2652.8	21.9
60°-70°	3319.3	27.4
70°-80°	1939.7	16.0
80°-90°	346.1	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°	12093.0	100.0
0°-180°	12093.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947065

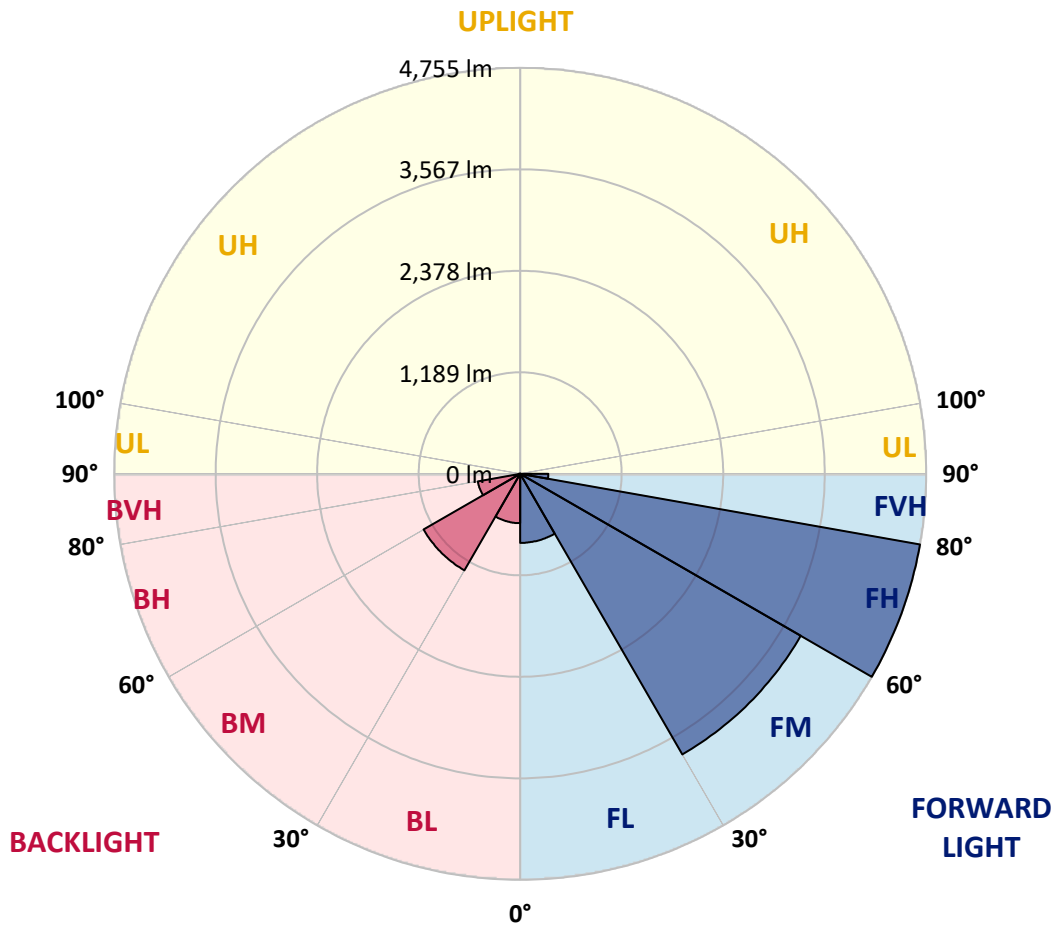
CATALOG NUMBER: GALN-SB2C-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	809.2	6.7			
FM (30°-60°)	3794.9	31.4			
FH (60°-80°)	4755.3	39.3			G2/5000
FVH (80°-90°)	329.8	2.7			G3/500
BL (0°-30°)	578.0	4.8	B2/1000		
BM (30°-60°)	1305.9	10.8	B2/2500		
BH (60°-80°)	503.6	4.2	B2/1000		G2/1000
BVH (80°-90°)	16.2	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



REPORT NUMBER: P947065
 CATALOG NUMBER: GALN-SB2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5
2.5°	1876.1	1890.3	1921.9	1938.6	1964.4	1966.1	1966.1	1943.6	1942.7	1896.9
5°	2096.9	2130.2	2205.2	2282.6	2299.3	2303.5	2295.1	2250.2	2216.8	2127.7
7.5°	2316.0	2380.1	2494.2	2597.5	2630.9	2630.9	2610.9	2537.6	2469.3	2340.1
10°	2497.6	2578.4	2733.3	2849.1	2887.5	2879.1	2838.3	2745.8	2651.7	2495.1
12.5°	2617.5	2708.3	2878.3	2971.6	3010.8	2989.1	2942.4	2852.5	2753.3	2588.4
15°	2677.5	2772.5	2920.0	2969.1	2958.3	2935.8	2929.9	2886.6	2811.6	2657.5
17.5°	2703.3	2791.7	2894.1	2863.3	2771.7	2754.2	2812.5	2867.5	2849.1	2717.5
20°	2727.5	2801.7	2832.5	2695.9	2535.9	2520.1	2631.7	2788.3	2868.3	2773.3
22.5°	2760.8	2806.7	2743.3	2519.2	2346.8	2310.1	2433.4	2669.2	2874.1	2844.1
25°	2806.7	2819.1	2645.0	2351.8	2178.5	2141.9	2256.8	2536.7	2864.1	2920.8
27.5°	2861.6	2835.8	2550.9	2211.8	2044.4	2010.2	2125.2	2409.3	2835.8	2997.4
30°	2933.3	2857.5	2457.6	2103.5	1948.6	1923.6	2034.4	2299.3	2800.8	3094.9
32.5°	3005.8	2866.6	2370.9	2040.2	1926.9	1936.1	2026.9	2240.2	2762.5	3188.2
35°	3084.1	2895.8	2328.5	2102.7	2107.7	2187.7	2225.2	2295.1	2756.7	3314.8
37.5°	3190.7	2960.8	2379.3	2413.4	2586.7	2752.5	2721.7	2564.2	2824.1	3503.9
40°	3344.0	3074.9	2600.9	2942.4	3298.2	3567.3	3449.8	3053.2	3030.8	3776.4
42.5°	3567.3	3256.5	2994.1	3588.9	4192.1	4635.3	4320.4	3683.9	3392.3	4165.4
45°	3897.2	3550.6	3469.8	4271.2	5294.2	5992.4	5337.6	4356.2	3898.8	4754.4
47.5°	4354.5	3983.0	3915.5	4990.2	6633.8	7536.9	6465.5	4979.3	4475.3	5557.5
50°	4961.8	4565.3	4337.9	5776.6	8102.5	9111.4	7592.7	5580.8	5135.9	6538.9
52.5°	5763.3	5377.5	4830.2	6525.5	9612.9	10652.6	8724.9	6109.0	5955.7	7677.7
55°	6856.3	6599.7	5503.3	7240.3	11122.5	12203.0	9812.9	6607.2	7038.7	9030.6
57.5°	8212.5	8395.8	6473.9	8069.2	12479.6	13800.8	10905.9	7303.6	8444.9	10543.5
60°	9087.3	10784.2	8332.5	9294.7	14021.6	15607.8	12403.7	8628.2	9922.8	11085.8
62.5°	8875.6	11544.0	10558.5	10859.2	15439.5	16921.5	13871.6	9958.7	10201.1	10286.9
65°	8226.7	10930.9	10104.4	11163.3	15798.6	16995.7	14264.0	9787.0	8653.2	8398.3
67.5°	7333.6	10203.6	9025.6	10356.9	15149.6	15959.3	13533.4	8657.4	6687.1	6302.3
70°	6369.7	9398.8	8317.5	9452.1	13912.5	14153.2	12291.3	7614.4	4918.5	4256.2
72.5°	5455.0	8560.7	7832.6	8524.9	12262.1	11763.9	10674.3	6692.1	3581.4	3069.9
75°	4519.5	7324.5	7142.0	7423.6	10091.9	9266.4	8869.0	5540.8	2810.8	2221.0
77.5°	3487.3	5723.3	6143.1	5944.9	7103.7	6882.9	6874.6	4163.7	2053.5	1482.1
80°	2386.8	3988.8	4799.4	4193.7	4610.3	4497.8	5177.6	2793.3	1489.5	892.2
82.5°	1402.9	2428.4	3340.7	2030.2	2549.2	2616.7	3083.2	1358.8	876.4	205.8
85°	569.0	958.9	1306.3	794.8	1229.6	1037.2	1170.5	381.6	244.1	5.0
87.5°	143.3	306.6	214.9	89.1	142.5	130.8	103.3	46.7	10.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947065
 CATALOG NUMBER: GALN-SB2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1674.5	0°	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5
1891.9	2.5°	1859.4	1840.3	1792.8	1745.3	1707.0	1655.3	1621.2	1580.4	1541.2	1506.2
2108.5	5°	2056.0	1992.7	1906.1	1826.9	1746.1	1667.8	1590.4	1508.7	1433.7	1387.9
2291.8	7.5°	2216.0	2104.4	1989.4	1888.6	1791.1	1699.5	1597.0	1497.9	1380.4	1317.9
2431.8	10°	2335.1	2188.5	2037.7	1921.9	1823.6	1734.5	1647.8	1547.9	1406.2	1327.9
2516.7	12.5°	2413.4	2239.3	2062.7	1930.2	1820.3	1751.1	1712.8	1673.7	1532.9	1441.2
2579.2	15°	2467.6	2275.1	2080.2	1911.1	1776.1	1725.3	1763.6	1808.6	1718.6	1612.8
2644.2	17.5°	2526.7	2321.8	2087.7	1859.4	1690.3	1668.7	1767.8	1871.9	1867.8	1762.8
2705.8	20°	2589.2	2362.6	2082.7	1776.1	1586.2	1605.3	1732.0	1852.8	1903.6	1846.9
2776.7	22.5°	2653.4	2401.8	2063.5	1667.8	1488.7	1548.7	1675.3	1781.1	1841.1	1823.6
2863.3	25°	2734.2	2456.8	2035.2	1551.2	1407.9	1491.2	1609.5	1695.3	1737.0	1736.1
2956.6	27.5°	2830.8	2530.1	2020.2	1457.1	1350.4	1426.2	1531.2	1607.8	1637.0	1637.0
3072.4	30°	2943.3	2616.7	2003.6	1395.4	1317.1	1358.8	1440.4	1515.4	1544.5	1544.5
3199.0	32.5°	3068.2	2700.0	1963.6	1357.9	1292.1	1292.9	1344.6	1412.9	1447.9	1452.9
3357.3	35°	3218.2	2789.2	1876.1	1327.9	1263.0	1228.8	1253.8	1310.4	1352.1	1362.9
3583.1	37.5°	3414.8	2898.3	1751.1	1283.8	1218.0	1161.3	1167.1	1210.5	1256.3	1272.9
3894.7	40°	3678.9	3026.6	1621.2	1220.5	1154.7	1087.2	1084.7	1116.3	1161.3	1179.6
4316.2	42.5°	4027.9	3180.7	1497.0	1159.6	1078.0	1008.9	1004.7	1029.7	1068.8	1088.0
4872.7	45°	4474.5	3369.8	1390.4	1112.2	1003.0	934.7	933.1	953.9	988.0	1008.0
5585.0	47.5°	5095.1	3558.9	1317.9	1087.2	943.9	873.9	877.2	895.6	926.4	940.5
6507.2	50°	5904.0	3616.4	1281.3	1087.2	912.2	819.8	836.4	851.4	874.7	883.1
7612.7	52.5°	6680.5	3426.5	1248.0	1093.8	916.4	773.9	809.8	820.6	840.6	843.9
8637.4	55°	7061.2	2945.8	1202.1	1095.5	942.2	734.8	788.1	808.1	815.6	814.8
9232.2	57.5°	6930.4	2381.8	1124.7	1088.8	959.7	709.8	761.4	799.8	804.8	797.3
9118.9	60°	6471.4	1753.6	1065.5	1039.7	953.0	702.3	720.6	781.4	788.9	778.9
8245.8	62.5°	5701.6	1217.1	1019.7	931.4	923.9	699.8	656.5	741.4	759.8	745.6
6628.0	65°	4488.6	859.7	878.1	816.4	860.6	686.5	589.8	693.1	718.1	696.5
4808.5	67.5°	3037.4	620.6	711.5	739.8	758.1	656.5	541.5	638.1	671.5	643.1
3085.7	70°	1640.3	435.7	469.9	623.1	644.0	604.8	498.2	582.3	620.6	589.8
2193.5	72.5°	968.9	313.2	329.1	500.7	536.5	532.3	449.9	517.3	564.0	527.3
1513.7	75°	534.0	211.6	234.9	363.2	435.7	410.7	386.5	438.2	485.7	449.9
948.9	77.5°	239.1	126.6	163.3	238.3	342.4	281.6	299.1	341.6	385.7	348.2
528.2	80°	92.5	70.8	108.3	130.0	249.1	155.8	192.4	251.6	283.2	253.3
115.0	82.5°	11.7	31.7	46.7	50.8	145.0	82.5	111.6	158.3	155.8	135.0
0.0	85°	0.0	5.8	6.7	3.3	62.5	30.0	36.7	51.7	48.3	36.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	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

REPORT NUMBER: P947065
 CATALOG NUMBER: GALN-SB2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
1674.5	0°	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5
1499.5	2.5°	1458.7	1428.7	1413.7	1401.2	1412.9	1419.6	1419.6	1447.9	1464.6	1471.2
1358.8	5°	1285.4	1229.6	1192.1	1169.6	1177.1	1185.5	1194.6	1230.5	1254.6	1270.4
1261.3	7.5°	1148.8	1063.8	1011.4	983.9	988.0	993.9	1001.4	1036.4	1060.5	1081.3
1243.0	10°	1081.3	961.4	892.2	858.9	853.1	849.7	847.2	868.1	886.4	903.1
1317.9	12.5°	1084.7	917.2	833.1	792.3	774.8	754.8	738.9	742.3	753.9	774.8
1452.1	15°	1127.2	903.1	802.3	751.4	722.3	699.0	679.8	675.6	679.8	683.1
1605.3	17.5°	1184.6	901.4	775.6	712.3	682.3	663.1	645.6	639.8	640.6	644.8
1707.0	20°	1230.5	896.4	745.6	674.8	648.1	631.5	614.0	608.1	609.8	610.6
1717.0	22.5°	1254.6	888.9	712.3	637.3	614.8	598.2	582.3	581.5	581.5	586.5
1662.8	25°	1254.6	873.1	682.3	601.5	581.5	566.5	547.3	550.7	552.3	559.0
1578.7	27.5°	1224.6	843.1	658.1	570.7	549.8	534.8	517.3	521.5	524.0	531.5
1495.4	30°	1186.3	807.3	630.6	541.5	517.3	506.5	491.5	493.2	496.5	504.8
1417.9	32.5°	1145.5	764.8	608.1	512.3	488.2	479.9	463.2	465.7	469.0	478.2
1341.3	35°	1100.5	714.8	581.5	485.7	461.5	454.9	435.7	437.4	442.4	452.4
1258.8	37.5°	1053.0	674.0	554.8	459.9	434.9	428.2	408.2	409.9	415.7	427.4
1172.1	40°	1006.4	634.0	526.5	432.4	407.4	401.5	379.9	381.6	388.2	400.7
1084.7	42.5°	955.5	603.2	489.9	404.0	377.4	371.6	351.6	354.1	361.6	374.1
1003.9	45°	894.7	583.2	449.0	377.4	347.4	341.6	323.2	328.2	336.6	349.1
934.7	47.5°	832.2	574.8	414.9	349.1	316.6	311.6	296.6	304.9	314.1	324.1
875.6	50°	772.3	564.0	379.9	322.4	289.9	284.9	274.9	285.7	294.9	304.1
833.1	52.5°	704.0	540.7	348.2	299.1	267.4	265.8	260.8	270.8	279.1	287.4
796.4	55°	633.1	503.2	320.7	278.2	248.3	249.9	247.4	255.8	262.4	269.9
763.1	57.5°	571.5	455.7	299.1	255.8	231.6	236.6	233.3	237.4	241.6	250.8
723.1	60°	509.0	399.0	274.9	229.1	214.9	220.8	211.6	210.8	212.4	214.9
664.0	62.5°	424.9	339.9	244.9	205.8	196.6	199.1	181.6	168.3	168.3	170.8
581.5	65°	341.6	284.9	211.6	179.1	171.6	169.9	145.0	126.6	125.0	132.5
485.7	67.5°	280.7	236.6	178.3	149.1	144.1	145.8	127.5	109.1	107.5	115.8
395.7	70°	232.4	190.8	142.5	115.0	120.0	127.5	109.1	91.6	89.1	96.6
321.6	72.5°	184.9	149.1	109.1	85.0	99.1	108.3	89.1	72.5	70.8	77.5
248.3	75°	135.8	106.6	74.1	61.6	76.6	85.0	65.0	51.7	49.2	55.0
165.8	77.5°	84.1	60.0	46.7	36.7	52.5	56.6	34.2	30.0	29.2	33.3
100.8	80°	39.2	25.8	22.5	12.5	19.2	22.5	14.2	15.8	16.7	20.0
50.8	82.5°	10.8	4.2	0.8	0.0	0.0	6.7	3.3	6.7	8.3	12.5
4.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.2	7.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947065
 CATALOG NUMBER: GALN-SB2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
1674.5	0°	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5
1517.9	2.5°	1552.9	1586.2	1639.5	1694.5	1748.6	1803.6	1856.9	1876.1
1342.9	5°	1408.7	1485.4	1591.2	1704.5	1821.1	1939.4	2047.7	2096.9
1162.1	7.5°	1248.0	1357.9	1517.0	1694.5	1880.3	2066.0	2236.8	2316.0
983.0	10°	1076.3	1215.5	1397.1	1637.0	1903.6	2160.2	2395.1	2497.6
825.6	12.5°	913.1	1058.8	1259.6	1547.0	1885.3	2214.3	2496.7	2617.5
714.8	15°	776.4	905.6	1122.2	1440.4	1826.1	2217.7	2545.1	2677.5
653.1	17.5°	674.0	758.1	982.2	1322.1	1748.6	2186.8	2561.7	2703.3
619.8	20°	623.1	646.5	800.6	1170.5	1676.2	2157.7	2578.4	2727.5
593.2	22.5°	593.2	599.0	654.8	974.7	1589.5	2148.5	2607.5	2760.8
569.0	25°	569.0	570.7	585.7	772.3	1457.1	2142.7	2652.5	2806.7
544.0	27.5°	544.8	544.8	553.2	622.3	1277.1	2117.7	2710.8	2861.6
519.0	30°	520.7	520.7	526.5	550.7	1066.3	2068.5	2780.8	2933.3
494.0	32.5°	495.7	495.7	500.7	518.2	851.4	2006.9	2845.0	3005.8
468.2	35°	470.7	469.0	475.7	494.0	677.3	1928.6	2909.1	3084.1
442.4	37.5°	444.0	443.2	449.9	470.7	584.8	1837.8	2957.4	3190.7
416.5	40°	415.7	415.7	423.2	445.7	558.2	1723.6	3034.1	3344.0
389.9	42.5°	389.9	388.2	396.5	424.0	538.2	1614.5	3171.5	3567.3
365.7	45°	364.9	361.6	369.1	403.2	503.2	1576.2	3428.1	3897.2
342.4	47.5°	341.6	333.2	339.9	378.2	471.5	1719.5	3848.0	4354.5
321.6	50°	322.4	306.6	312.4	353.2	447.4	2030.2	4392.8	4961.8
302.4	52.5°	302.4	281.6	284.9	322.4	425.7	2326.0	4983.5	5763.3
283.2	55°	281.6	258.3	259.9	291.6	394.9	2370.1	5560.0	6856.3
261.6	57.5°	258.3	236.6	236.6	263.3	372.4	2054.4	6003.2	8212.5
234.9	60°	232.4	218.3	214.1	240.8	392.4	1449.6	6054.8	9087.3
200.8	62.5°	204.1	196.6	190.8	219.1	407.4	858.9	5639.1	8875.6
158.3	65°	171.6	169.9	165.8	240.8	343.2	507.3	4841.0	8226.7
135.0	67.5°	144.1	141.6	141.6	252.4	260.8	319.1	3782.2	7333.6
115.0	70°	124.1	115.0	115.0	190.8	158.3	220.8	2640.9	6369.7
95.0	72.5°	104.1	94.1	87.5	152.5	118.3	161.6	1650.3	5455.0
72.5	75°	83.3	75.8	67.5	100.8	88.3	122.5	958.9	4519.5
45.8	77.5°	60.0	56.6	47.5	74.1	64.1	88.3	570.7	3487.3
28.3	80°	30.8	31.7	30.0	42.5	43.3	60.0	324.9	2386.8
18.3	82.5°	18.3	14.2	15.8	20.8	25.0	34.2	122.5	1402.9
13.3	85°	11.7	7.5	7.5	10.0	12.5	13.3	37.5	569.0
6.7	87.5°	5.8	2.5	3.3	5.0	4.2	3.3	1.7	143.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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