

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: P952294

Luminaire Tested: **GALN-SB6A-940-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952294  
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-SB6A-940-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

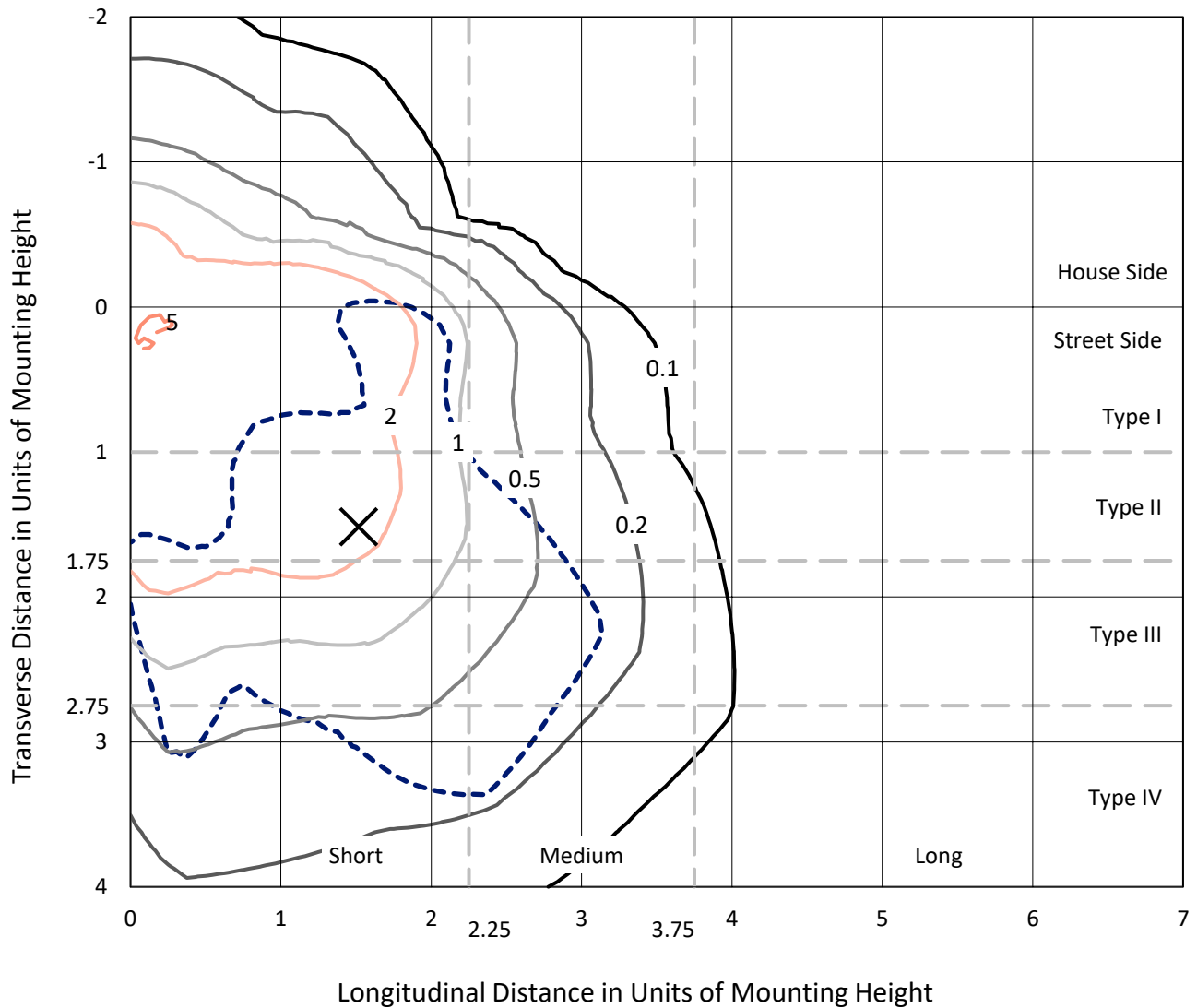
Lumens per Lamp: N/A  
Luminaire Lumens: 15044 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P952294  
 CATALOG NUMBER: GALN-SB6A-940-U-SLL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

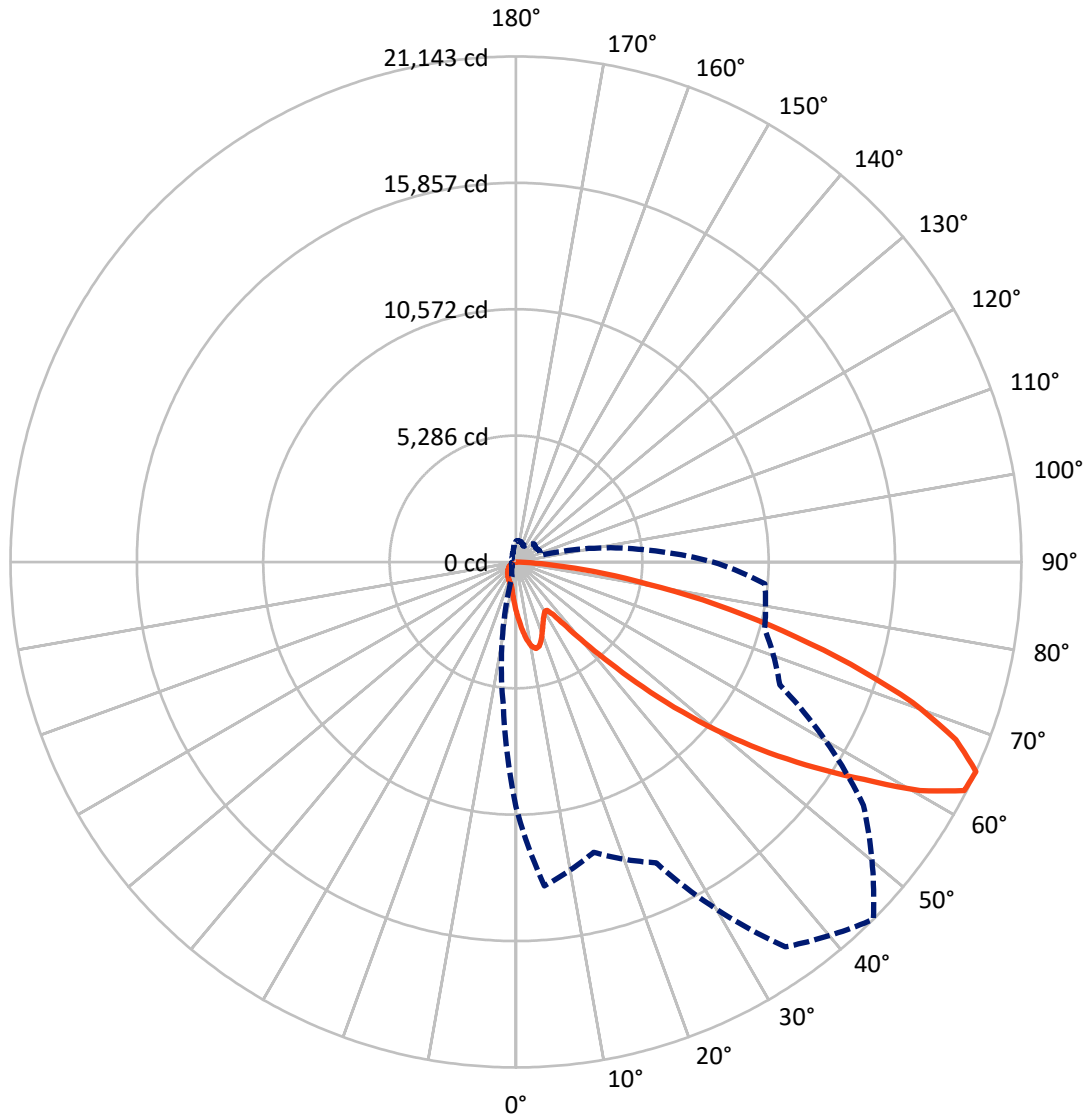
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P952294  
CATALOG NUMBER: GALN-SB6A-940-U-SLL-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P952294

CATALOG NUMBER: GALN-SB6A-940-U-SLL-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2990.3	0.0	2990.3
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	12053.7	0.0	12053.7
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	15044.0	0.0	15044.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.1	1.4
10°-20°	614.8	4.1
20°-30°	905.7	6.0
30°-40°	1163.6	7.7
40°-50°	1881.9	12.5
50°-60°	3300.1	21.9
60°-70°	4129.3	27.4
70°-80°	2413.0	16.0
80°-90°	430.5	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°	15044.0	100.0
0°-180°	15044.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P952294

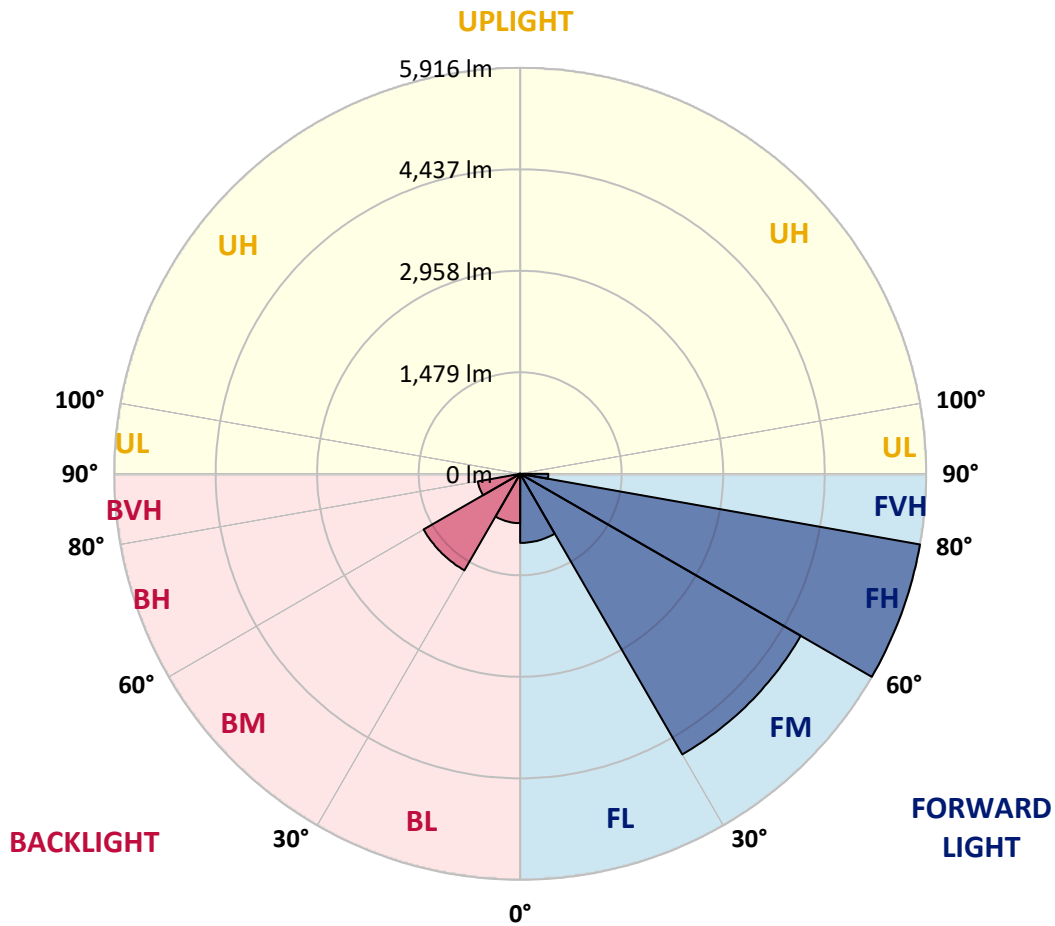
CATALOG NUMBER: GALN-SB6A-940-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1006.6	6.7			
FM (30°-60°)	4721.0	31.4			
FH (60°-80°)	5915.8	39.3			G3/7500
FVH (80°-90°)	410.3	2.7			G3/500
BL (0°-30°)	719.0	4.8	B2/1000		
BM (30°-60°)	1624.6	10.8	B2/2500		
BH (60°-80°)	626.5	4.2	B2/1000		G2/1000
BVH (80°-90°)	20.2	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: P952294

CATALOG NUMBER: GALN-SB6A-940-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
2.5°	2333.9	2351.5	2390.9	2411.6	2443.8	2445.8	2445.8	2417.9	2416.8	2359.8
5°	2608.6	2650.0	2743.3	2839.7	2860.4	2865.6	2855.2	2799.2	2757.8	2646.9
7.5°	2881.1	2960.9	3102.9	3231.4	3272.9	3272.9	3248.0	3156.8	3071.8	2911.2
10°	3107.1	3207.6	3400.3	3544.4	3592.1	3581.7	3530.9	3415.9	3298.8	3103.9
12.5°	3256.3	3369.3	3580.7	3696.7	3745.5	3718.5	3660.5	3548.5	3425.2	3220.0
15°	3330.9	3449.1	3632.5	3693.6	3680.2	3652.2	3644.9	3591.0	3497.8	3306.0
17.5°	3363.0	3472.9	3600.4	3562.0	3448.0	3426.3	3498.8	3567.2	3544.4	3380.7
20°	3393.1	3485.3	3523.7	3353.7	3154.7	3135.0	3273.9	3468.7	3568.2	3450.1
22.5°	3434.5	3491.5	3412.8	3134.0	2919.5	2873.9	3027.2	3320.5	3575.5	3538.2
25°	3491.5	3507.1	3290.5	2925.7	2710.1	2664.5	2807.5	3155.8	3563.1	3633.5
27.5°	3559.9	3527.8	3173.4	2751.6	2543.3	2500.8	2643.8	2997.2	3527.8	3728.9
30°	3649.1	3554.8	3057.3	2616.8	2424.1	2393.0	2530.8	2860.4	3484.3	3850.1
32.5°	3739.2	3566.2	2949.5	2538.1	2397.1	2408.5	2521.5	2786.8	3436.6	3966.2
35°	3836.7	3602.4	2896.7	2615.8	2622.0	2721.5	2768.2	2855.2	3429.4	4123.7
37.5°	3969.3	3683.3	2959.9	3002.4	3217.9	3424.2	3385.8	3190.0	3513.3	4359.0
40°	4160.0	3825.3	3235.6	3660.5	4103.0	4437.8	4291.6	3798.3	3770.3	4697.9
42.5°	4437.8	4051.2	3724.7	4464.7	5215.0	5766.4	5374.6	4582.8	4220.1	5181.9
45°	4848.2	4417.0	4316.5	5313.5	6586.2	7454.6	6640.1	5419.2	4850.2	5914.6
47.5°	5417.1	4954.9	4871.0	6207.9	8252.6	9376.1	8043.3	6194.4	5567.4	6913.7
50°	6172.6	5679.3	5396.4	7186.2	10079.8	11334.8	9445.5	6942.7	6389.2	8134.5
52.5°	7169.6	6689.8	6008.9	8117.9	11958.7	13252.1	10853.9	7599.7	7409.0	9551.2
55°	8529.4	8210.2	6846.3	9007.1	13836.6	15180.8	12207.5	8219.5	8756.3	11234.3
57.5°	10216.6	10444.6	8053.7	10038.3	15524.9	17168.6	13567.2	9085.9	10505.7	13116.4
60°	11304.8	13415.9	10365.8	11562.8	17443.2	19416.5	15430.6	10733.7	12344.3	13791.0
62.5°	11041.5	14361.0	13135.0	13509.1	19207.1	21050.8	17256.7	12388.8	12690.4	12797.2
65°	10234.2	13598.3	12570.2	13887.4	19653.8	21143.1	17744.8	12175.3	10764.8	10447.7
67.5°	9123.2	12693.5	11228.1	12884.2	18846.5	19853.8	16835.9	10770.0	8319.0	7840.2
70°	7924.1	11692.4	10347.2	11758.7	17307.5	17607.0	15290.7	9472.5	6118.8	5294.8
72.5°	6786.2	10649.8	9744.0	10605.2	15254.4	14634.6	13279.1	8325.2	4455.4	3819.0
75°	5622.3	9111.8	8884.8	9235.1	12554.6	11527.6	11033.2	6892.9	3496.7	2763.0
77.5°	4338.3	7119.9	7642.2	7395.6	8837.2	8562.5	8552.2	5179.8	2554.7	1843.7
80°	2969.2	4962.2	5970.6	5217.1	5735.3	5595.4	6441.1	3475.0	1853.0	1110.0
82.5°	1745.3	3021.0	4155.9	2525.6	3171.3	3255.3	3835.6	1690.3	1090.3	256.0
85°	707.8	1192.9	1625.0	988.7	1529.7	1290.3	1456.1	474.7	303.7	6.2
87.5°	178.3	381.4	267.4	110.9	177.2	162.7	128.5	58.0	12.4	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: P952294  
 CATALOG NUMBER: GALN-SB6A-940-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2083.1	0°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
2353.6	2.5°	2313.2	2289.4	2230.3	2171.2	2123.5	2059.3	2016.8	1966.0	1917.3	1873.8
2623.1	5°	2557.8	2479.0	2371.2	2272.8	2172.2	2074.8	1978.4	1876.9	1783.6	1726.6
2851.1	7.5°	2756.8	2617.9	2474.9	2349.5	2228.2	2114.2	1986.7	1863.4	1717.3	1639.5
3025.2	10°	2905.0	2722.6	2535.0	2390.9	2268.6	2157.7	2049.9	1925.6	1749.4	1652.0
3130.9	12.5°	3002.4	2785.8	2566.1	2401.3	2264.5	2178.5	2130.8	2082.1	1906.9	1792.9
3208.6	15°	3069.7	2830.3	2587.8	2377.4	2209.6	2146.3	2194.0	2250.0	2138.0	2006.4
3289.5	17.5°	3143.3	2888.4	2597.2	2313.2	2102.8	2075.9	2199.2	2328.7	2323.6	2193.0
3366.1	20°	3221.1	2939.2	2590.9	2209.6	1973.3	1997.1	2154.6	2304.9	2368.1	2297.6
3454.2	22.5°	3300.9	2987.9	2567.1	2074.8	1852.0	1926.6	2084.1	2215.8	2290.4	2268.6
3562.0	25°	3401.4	3056.3	2531.9	1929.7	1751.5	1855.1	2002.3	2109.0	2160.8	2159.8
3678.1	27.5°	3521.6	3147.5	2513.2	1812.6	1680.0	1774.3	1904.9	2000.2	2036.5	2036.5
3822.1	30°	3661.5	3255.3	2492.5	1735.9	1638.5	1690.3	1791.9	1885.2	1921.4	1921.4
3979.7	32.5°	3817.0	3358.9	2442.7	1689.3	1607.4	1608.5	1672.7	1757.7	1801.2	1807.4
4176.6	35°	4003.5	3469.8	2333.9	1652.0	1571.1	1528.7	1559.7	1630.2	1682.0	1695.5
4457.4	37.5°	4248.1	3605.5	2178.5	1597.1	1515.2	1444.7	1452.0	1505.9	1562.9	1583.6
4845.1	40°	4576.6	3765.1	2016.8	1518.3	1436.4	1352.5	1349.4	1388.7	1444.7	1467.5
5369.5	42.5°	5010.9	3956.9	1862.4	1442.6	1341.1	1255.0	1249.9	1281.0	1329.7	1353.5
6061.8	45°	5566.4	4192.1	1729.7	1383.6	1247.8	1162.8	1160.7	1186.6	1229.1	1254.0
6947.9	47.5°	6338.5	4427.4	1639.5	1352.5	1174.2	1087.2	1091.3	1114.1	1152.4	1170.1
8095.1	50°	7344.8	4498.9	1593.9	1352.5	1134.8	1019.8	1040.5	1059.2	1088.2	1098.6
9470.4	52.5°	8310.7	4262.6	1552.5	1360.8	1140.0	962.8	1007.4	1020.8	1045.7	1049.8
10745.1	55°	8784.3	3664.6	1495.5	1362.8	1172.1	914.1	980.4	1005.3	1014.6	1013.6
11485.1	57.5°	8621.6	2963.0	1399.1	1354.5	1193.9	883.0	947.2	994.9	1001.1	991.8
11344.2	60°	8050.6	2181.6	1325.5	1293.4	1185.6	873.7	896.5	972.1	981.4	969.0
10258.0	62.5°	7092.9	1514.1	1268.5	1158.7	1149.3	870.6	816.7	922.4	945.2	927.6
8245.4	65°	5584.0	1069.5	1092.3	1015.6	1070.6	854.0	733.8	862.3	893.4	866.4
5982.0	67.5°	3778.6	772.1	885.1	920.3	943.1	816.7	673.6	793.9	835.3	800.1
3838.7	70°	2040.6	542.0	584.5	775.2	801.1	752.4	619.8	724.4	772.1	733.8
2728.8	72.5°	1205.3	389.7	409.4	622.9	667.4	662.2	559.6	643.6	701.6	656.0
1883.1	75°	664.3	263.2	292.3	451.9	542.0	510.9	480.9	545.1	604.2	559.6
1180.4	77.5°	297.4	157.5	203.1	296.4	425.9	350.3	372.1	424.9	479.8	433.2
657.1	80°	115.0	88.1	134.7	161.7	309.9	193.8	239.4	313.0	352.4	315.1
143.0	82.5°	14.5	39.4	58.0	63.2	180.3	102.6	138.9	196.9	193.8	167.9
0.0	85°	0.0	7.3	8.3	4.1	77.7	37.3	45.6	64.3	60.1	45.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	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: P952294  
 CATALOG NUMBER: GALN-SB6A-940-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2083.1	0°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
1865.5	2.5°	1814.7	1777.4	1758.7	1743.2	1757.7	1766.0	1766.0	1801.2	1821.9	1830.2
1690.3	5°	1599.1	1529.7	1483.1	1455.1	1464.4	1474.8	1486.2	1530.7	1560.8	1580.5
1569.1	7.5°	1429.2	1323.5	1258.2	1224.0	1229.1	1236.4	1245.7	1289.2	1319.3	1345.2
1546.3	10°	1345.2	1196.0	1110.0	1068.5	1061.2	1057.1	1054.0	1079.9	1102.7	1123.4
1639.5	12.5°	1349.4	1141.0	1036.4	985.6	963.8	939.0	919.3	923.4	937.9	963.8
1806.4	15°	1402.2	1123.4	998.0	934.8	898.5	869.5	845.7	840.5	845.7	849.8
1997.1	17.5°	1473.7	1121.4	964.9	886.1	848.8	825.0	803.2	795.9	797.0	802.2
2123.5	20°	1530.7	1115.1	927.6	839.5	806.3	785.6	763.8	756.6	758.6	759.7
2136.0	22.5°	1560.8	1105.8	886.1	792.8	764.8	744.1	724.4	723.4	723.4	729.6
2068.6	25°	1560.8	1086.1	848.8	748.3	723.4	704.7	680.9	685.0	687.1	695.4
1963.9	27.5°	1523.5	1048.8	818.7	709.9	684.0	665.4	643.6	648.8	651.9	661.2
1860.3	30°	1475.8	1004.2	784.5	673.6	643.6	630.1	611.5	613.5	617.7	628.0
1763.9	32.5°	1425.0	951.4	756.6	637.4	607.3	597.0	576.2	579.3	583.5	594.9
1668.6	35°	1369.1	889.2	723.4	604.2	574.2	565.9	542.0	544.1	550.3	562.8
1566.0	37.5°	1310.0	838.4	690.2	572.1	541.0	532.7	507.8	509.9	517.2	531.7
1458.2	40°	1251.9	788.7	655.0	537.9	506.8	499.5	472.6	474.7	483.0	498.5
1349.4	42.5°	1188.7	750.3	609.4	502.6	469.5	462.2	437.4	440.5	449.8	465.3
1248.8	45°	1113.1	725.5	558.6	469.5	432.2	424.9	402.1	408.3	418.7	434.2
1162.8	47.5°	1035.3	715.1	516.1	434.2	393.8	387.6	368.9	379.3	390.7	403.1
1089.2	50°	960.7	701.6	472.6	401.1	360.7	354.4	342.0	355.5	366.9	378.3
1036.4	52.5°	875.7	672.6	433.2	372.1	332.7	330.6	324.4	336.8	347.2	357.5
990.8	55°	787.6	626.0	399.0	346.1	308.8	310.9	307.8	318.2	326.5	335.8
949.3	57.5°	711.0	566.9	372.1	318.2	288.1	294.3	290.2	295.4	300.5	311.9
899.6	60°	633.2	496.4	342.0	285.0	267.4	274.6	263.2	262.2	264.3	267.4
826.0	62.5°	528.6	422.8	304.7	256.0	244.6	247.7	225.9	209.3	209.3	212.5
723.4	65°	424.9	354.4	263.2	222.8	213.5	211.4	180.3	157.5	155.5	164.8
604.2	67.5°	349.3	294.3	221.8	185.5	179.3	181.4	158.6	135.8	133.7	144.1
492.3	70°	289.1	237.3	177.2	143.0	149.2	158.6	135.8	114.0	110.9	120.2
400.0	72.5°	230.1	185.5	135.8	105.7	123.3	134.7	110.9	90.2	88.1	96.4
308.8	75°	168.9	132.7	92.2	76.7	95.3	105.7	80.8	64.3	61.1	68.4
206.2	77.5°	104.7	74.6	58.0	45.6	65.3	70.5	42.5	37.3	36.3	41.5
125.4	80°	48.7	32.1	28.0	15.5	23.8	28.0	17.6	19.7	20.7	24.9
63.2	82.5°	13.5	5.2	1.0	0.0	0.0	8.3	4.1	8.3	10.4	15.5
5.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.2	9.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
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: P952294  
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**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
2083.1	0°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
1888.3	2.5°	1931.8	1973.3	2039.6	2108.0	2175.3	2243.8	2310.1	2333.9
1670.6	5°	1752.5	1847.9	1979.5	2120.4	2265.5	2412.7	2547.4	2608.6
1445.7	7.5°	1552.5	1689.3	1887.2	2108.0	2339.1	2570.2	2782.7	2881.1
1222.9	10°	1339.0	1512.1	1738.0	2036.5	2368.1	2687.3	2979.6	3107.1
1027.0	12.5°	1135.9	1317.2	1567.0	1924.5	2345.3	2754.7	3106.0	3256.3
889.2	15°	965.9	1126.5	1396.0	1791.9	2271.7	2758.8	3166.1	3330.9
812.5	17.5°	838.4	943.1	1221.9	1644.7	2175.3	2720.5	3186.9	3363.0
771.1	20°	775.2	804.2	996.0	1456.1	2085.2	2684.2	3207.6	3393.1
737.9	22.5°	737.9	745.2	814.6	1212.6	1977.4	2672.8	3243.9	3434.5
707.8	25°	707.8	709.9	728.6	960.7	1812.6	2665.6	3299.8	3491.5
676.8	27.5°	677.8	677.8	688.2	774.2	1588.8	2634.5	3372.4	3559.9
645.7	30°	647.7	647.7	655.0	685.0	1326.6	2573.3	3459.4	3649.1
614.6	32.5°	616.6	616.6	622.9	644.6	1059.2	2496.6	3539.2	3739.2
582.4	35°	585.6	583.5	591.8	614.6	842.6	2399.2	3619.0	3836.7
550.3	37.5°	552.4	551.4	559.6	585.6	727.5	2286.2	3679.1	3969.3
518.2	40°	517.2	517.2	526.5	554.5	694.4	2144.3	3774.5	4160.0
485.0	42.5°	485.0	483.0	493.3	527.5	669.5	2008.5	3945.5	4437.8
455.0	45°	453.9	449.8	459.1	501.6	626.0	1960.8	4264.7	4848.2
425.9	47.5°	424.9	414.5	422.8	470.5	586.6	2139.1	4787.0	5417.1
400.0	50°	401.1	381.4	388.6	439.4	556.5	2525.6	5464.8	6172.6
376.2	52.5°	376.2	350.3	354.4	401.1	529.6	2893.6	6199.6	7169.6
352.4	55°	350.3	321.3	323.3	362.7	491.2	2948.5	6916.8	8529.4
325.4	57.5°	321.3	294.3	294.3	327.5	463.3	2555.7	7468.1	10216.6
292.3	60°	289.1	271.5	266.3	299.5	488.1	1803.3	7532.4	11304.8
249.8	62.5°	253.9	244.6	237.3	272.6	506.8	1068.5	7015.2	11041.5
196.9	65°	213.5	211.4	206.2	299.5	427.0	631.2	6022.4	10234.2
167.9	67.5°	179.3	176.2	176.2	314.0	324.4	396.9	4705.1	9123.2
143.0	70°	154.4	143.0	143.0	237.3	196.9	274.6	3285.3	7924.1
118.1	72.5°	129.5	117.1	108.8	189.7	147.2	201.1	2053.1	6786.2
90.2	75°	103.6	94.3	83.9	125.4	109.9	152.3	1192.9	5622.3
57.0	77.5°	74.6	70.5	59.1	92.2	79.8	109.9	709.9	4338.3
35.2	80°	38.3	39.4	37.3	52.9	53.9	74.6	404.2	2969.2
22.8	82.5°	22.8	17.6	19.7	25.9	31.1	42.5	152.3	1745.3
16.6	85°	14.5	9.3	9.3	12.4	15.5	16.6	46.6	707.8
8.3	87.5°	7.3	3.1	4.1	6.2	5.2	4.1	2.1	178.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)