

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: P951874

Luminaire Tested: **GALN-SB5D-927-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951874  
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-SB5D-927-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

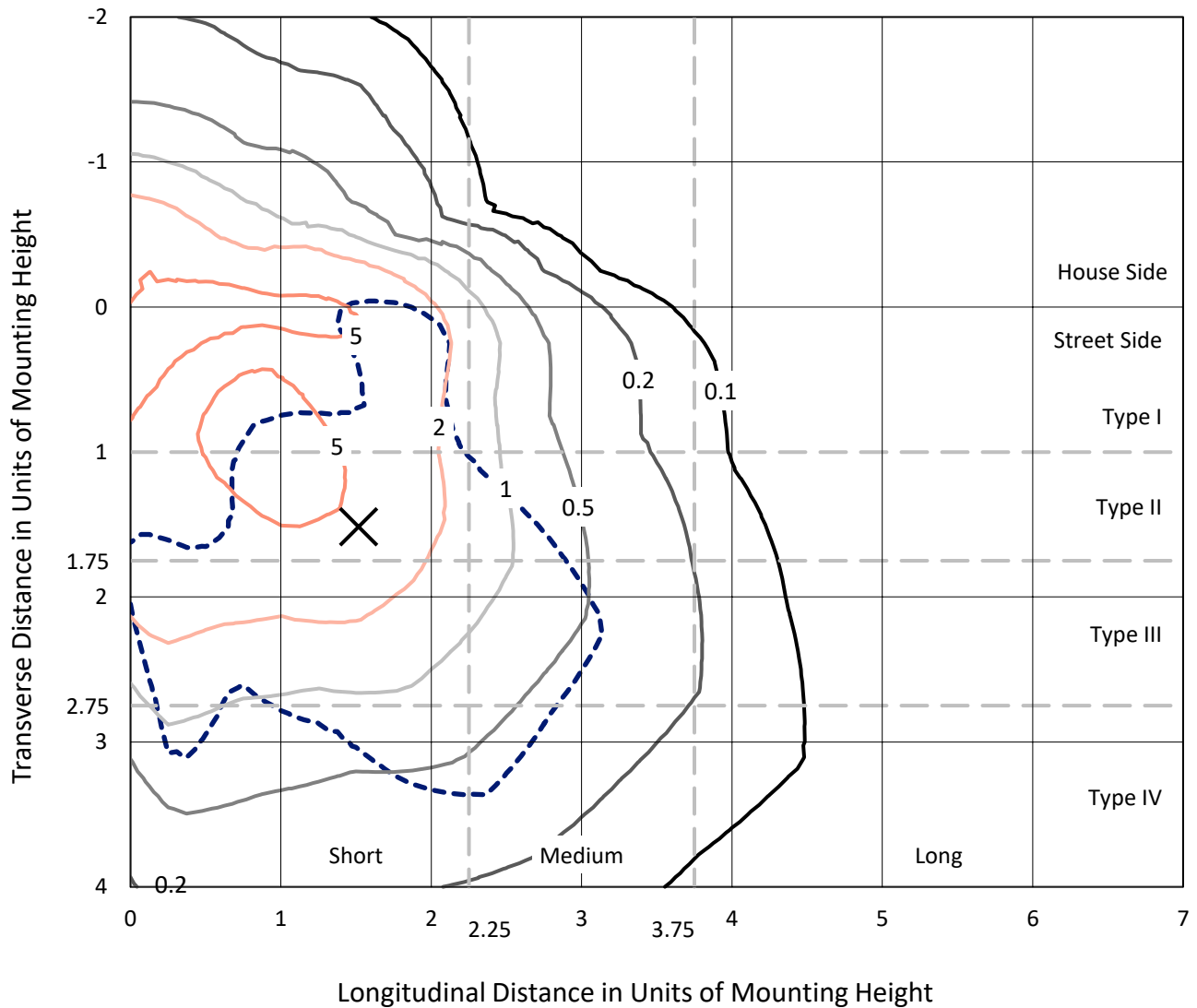
Lumens per Lamp: N/A  
Luminaire Lumens: 23880 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P951874  
 CATALOG NUMBER: GALN-SB5D-927-U-SLL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

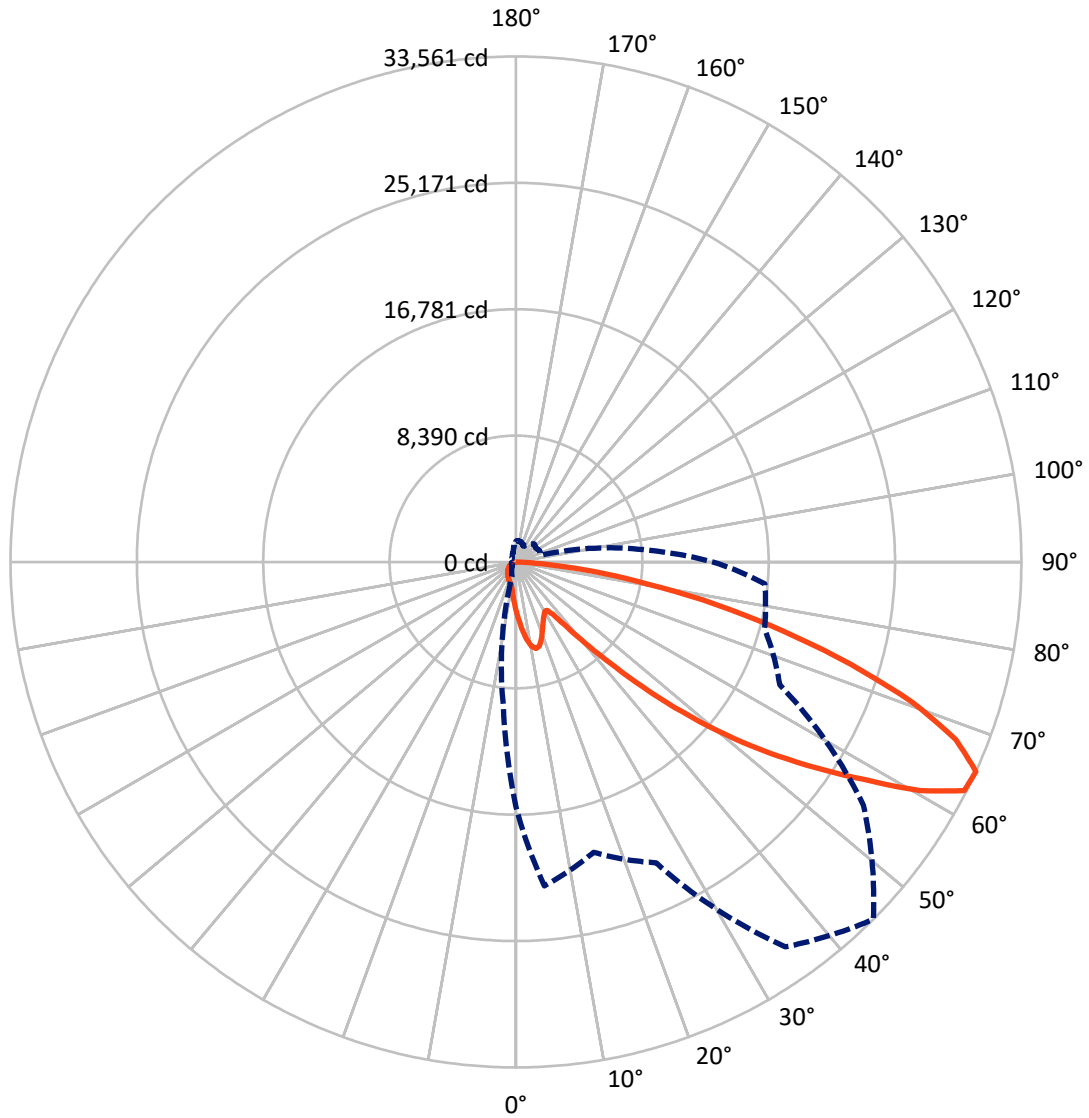
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P951874  
CATALOG NUMBER: GALN-SB5D-927-U-SLL-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P951874  
 CATALOG NUMBER: GALN-SB5D-927-U-SLL-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4746.6	0.0	4746.6
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	19133.4	0.0	19133.4
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	23880.0	0.0	23880.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.5	1.4
10°-20°	975.9	4.1
20°-30°	1437.7	6.0
30°-40°	1847.0	7.7
40°-50°	2987.2	12.5
50°-60°	5238.4	21.9
60°-70°	6554.6	27.4
70°-80°	3830.2	16.0
80°-90°	683.4	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°	23880.0	100.0
0°-180°	23880.0	100.0



REPORT NUMBER: P951874

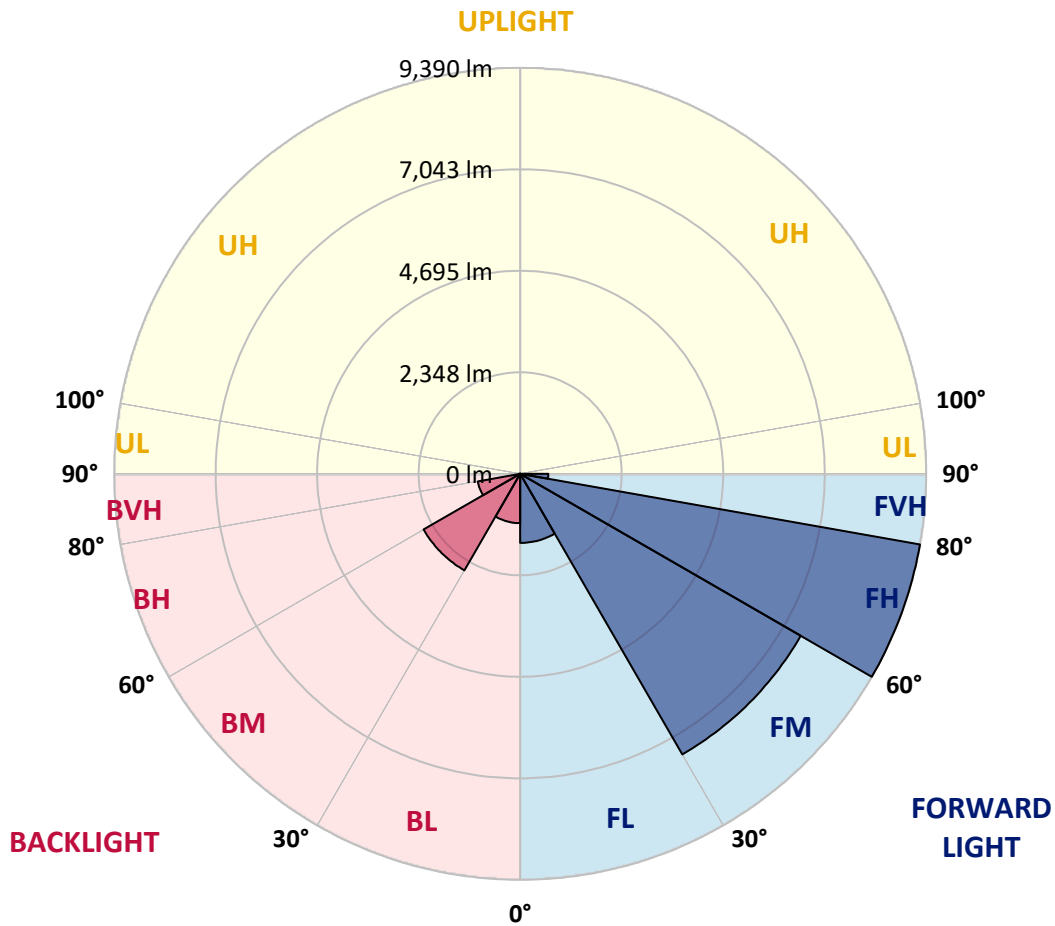
CATALOG NUMBER: GALN-SB5D-927-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1597.9	6.7			
FM (30°-60°)	7493.8	31.4			
FH (60°-80°)	9390.4	39.3			G4/12000
FVH (80°-90°)	651.3	2.7			G4/750
BL (0°-30°)	1141.3	4.8	B3/2500		
BM (30°-60°)	2578.8	10.8	B3/5000		
BH (60°-80°)	994.5	4.2	B2/1000		G2/1000
BVH (80°-90°)	32.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short



REPORT NUMBER: P951874  
 CATALOG NUMBER: GALN-SB5D-927-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6
2.5°	3704.7	3732.7	3795.2	3828.1	3879.1	3882.4	3882.4	3838.0	3836.3	3745.9
5°	4140.7	4206.5	4354.5	4507.5	4540.4	4548.7	4532.2	4443.4	4377.6	4201.5
7.5°	4573.3	4700.0	4925.4	5129.4	5195.2	5195.2	5155.7	5010.9	4876.0	4621.0
10°	4932.0	5091.5	5397.5	5626.2	5701.9	5685.4	5604.8	5422.2	5236.3	4927.0
12.5°	5168.8	5348.2	5683.8	5868.0	5945.3	5902.6	5810.4	5632.8	5437.0	5111.3
15°	5287.3	5474.8	5766.0	5863.1	5841.7	5797.3	5785.8	5700.2	5552.2	5247.8
17.5°	5338.3	5512.7	5715.0	5654.1	5473.2	5438.6	5553.8	5662.4	5626.2	5366.3
20°	5386.0	5532.4	5593.3	5323.5	5007.6	4976.4	5196.8	5506.1	5664.0	5476.5
22.5°	5451.8	5542.3	5417.3	4974.7	4634.2	4561.8	4805.3	5270.8	5675.5	5616.3
25°	5542.3	5567.0	5223.1	4644.1	4301.9	4229.5	4456.5	5009.3	5655.8	5767.7
27.5°	5650.9	5599.9	5037.2	4367.7	4037.0	3969.6	4196.6	4757.6	5599.9	5919.0
30°	5792.3	5642.6	4853.0	4153.8	3847.8	3798.5	4017.3	4540.4	5530.8	6111.5
32.5°	5935.5	5660.7	4681.9	4028.8	3805.1	3823.2	4002.5	4423.6	5455.1	6295.7
35°	6090.1	5718.3	4598.0	4152.2	4162.1	4320.0	4394.0	4532.2	5443.6	6545.8
37.5°	6300.7	5846.6	4698.4	4765.8	5108.0	5435.4	5374.5	5063.6	5576.8	6919.2
40°	6603.4	6072.0	5135.9	5810.4	6512.9	7044.2	6812.3	6029.2	5984.8	7457.2
42.5°	7044.2	6430.6	5912.4	7087.0	8278.1	9153.2	8531.4	7274.6	6698.8	8225.4
45°	7695.7	7011.3	6851.8	8434.3	10454.5	11833.1	10540.0	8602.1	7699.0	9388.5
47.5°	8598.8	7865.1	7731.9	9854.0	13099.8	14883.1	12767.5	9832.7	8837.4	10974.3
50°	9798.1	9015.1	8565.9	11407.0	16000.1	17992.3	14993.3	11020.4	10141.9	12912.3
52.5°	11380.7	10619.0	9538.2	12885.9	18982.6	21035.7	17228.9	12063.4	11760.7	15161.1
55°	13539.0	13032.3	10867.4	14297.4	21963.5	24097.2	19377.4	13047.1	13899.3	17832.7
57.5°	16217.2	16579.1	12783.9	15934.3	24643.3	27252.4	21535.8	14422.4	16676.2	20820.2
60°	17944.6	21295.6	16454.1	18354.2	27688.4	30820.6	24493.6	17038.1	19594.6	21891.1
62.5°	17526.7	22795.9	20849.8	21443.7	30488.3	33414.9	27392.3	19665.3	20144.0	20313.5
65°	16245.2	21585.1	19953.2	22044.1	31197.3	33561.3	28167.1	19326.4	17087.5	16584.1
67.5°	14481.7	20149.0	17822.8	20451.7	29915.8	31514.8	26724.4	17095.7	13205.1	12445.0
70°	12578.3	18559.8	16424.5	18665.1	27472.9	27948.3	24271.5	15036.1	9712.6	8404.7
72.5°	10772.0	16904.9	15467.1	16834.1	24214.0	23230.2	21078.4	13214.9	7072.2	6062.1
75°	8924.6	14463.6	14103.3	14659.3	19928.5	18298.3	17513.5	10941.4	5550.5	4385.8
77.5°	6886.3	11301.7	12130.8	11739.3	14027.6	13591.7	13575.2	8222.1	4055.1	2926.6
80°	4713.2	7876.7	9477.3	8281.3	9103.9	8881.8	10224.2	5516.0	2941.4	1761.9
82.5°	2770.3	4795.4	6596.8	4009.1	5034.0	5167.2	6088.5	2683.1	1730.6	406.3
85°	1123.6	1893.5	2579.5	1569.4	2428.1	2048.1	2311.3	753.4	482.0	9.9
87.5°	283.0	605.4	424.4	176.0	281.3	258.3	204.0	92.1	19.7	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: P951874  
 CATALOG NUMBER: GALN-SB5D-927-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3306.6	0°	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6
3736.0	2.5°	3671.8	3634.0	3540.2	3446.4	3370.8	3268.8	3201.3	3120.7	3043.4	2974.3
4163.7	5°	4060.1	3935.0	3763.9	3607.7	3448.1	3293.5	3140.5	2979.2	2831.2	2740.7
4525.6	7.5°	4375.9	4155.5	3928.5	3729.4	3536.9	3356.0	3153.6	2957.9	2725.9	2602.5
4802.0	10°	4611.2	4321.6	4023.9	3795.2	3601.1	3425.1	3254.0	3056.6	2776.9	2622.3
4969.8	12.5°	4765.8	4422.0	4073.2	3811.7	3594.5	3458.0	3382.3	3305.0	3027.0	2846.0
5093.2	15°	4872.7	4492.7	4107.8	3773.8	3507.3	3407.0	3482.6	3571.5	3393.8	3184.9
5221.5	17.5°	4989.5	4584.8	4122.6	3671.8	3337.9	3295.1	3490.9	3696.5	3688.3	3481.0
5343.2	20°	5112.9	4665.5	4112.7	3507.3	3132.2	3170.1	3420.1	3658.7	3759.0	3647.1
5483.1	22.5°	5239.6	4742.8	4074.9	3293.5	2939.8	3058.2	3308.3	3517.2	3635.6	3601.1
5654.1	25°	5399.2	4851.3	4018.9	3063.1	2780.2	2944.7	3178.3	3347.7	3430.0	3428.4
5838.4	27.5°	5590.0	4996.1	3989.3	2877.2	2666.7	2816.4	3023.7	3175.0	3232.6	3232.6
6067.1	30°	5812.1	5167.2	3956.4	2755.5	2600.9	2683.1	2844.3	2992.4	3050.0	3050.0
6317.1	32.5°	6058.8	5331.7	3877.5	2681.5	2551.5	2553.2	2655.2	2790.1	2859.2	2869.0
6629.7	35°	6355.0	5507.7	3704.7	2622.3	2493.9	2426.5	2475.8	2587.7	2670.0	2691.4
7075.5	37.5°	6743.2	5723.2	3458.0	2535.1	2405.1	2293.2	2304.8	2390.3	2480.8	2513.7
7690.8	40°	7264.7	5976.6	3201.3	2410.0	2280.1	2146.8	2141.9	2204.4	2293.2	2329.4
8523.2	42.5°	7954.0	6280.9	2956.2	2290.0	2128.7	1992.2	1984.0	2033.3	2110.6	2148.5
9622.1	45°	8835.7	6654.4	2745.6	2196.2	1980.7	1845.8	1842.5	1883.6	1951.1	1990.5
11028.6	47.5°	10061.3	7027.8	2602.5	2146.8	1863.9	1725.7	1732.3	1768.5	1829.3	1857.3
12849.7	50°	11658.7	7141.3	2530.1	2146.8	1801.4	1618.8	1651.7	1681.3	1727.3	1743.8
15032.8	52.5°	13191.9	6766.2	2464.3	2160.0	1809.6	1528.3	1599.0	1620.4	1659.9	1666.5
17056.2	55°	13943.7	5817.0	2373.9	2163.3	1860.6	1451.0	1556.2	1595.7	1610.5	1608.9
18230.8	57.5°	13685.4	4703.3	2220.9	2150.1	1895.1	1401.6	1503.6	1579.3	1589.1	1574.3
18007.1	60°	12779.0	3462.9	2104.1	2053.1	1882.0	1386.8	1423.0	1543.1	1557.9	1538.2
16283.0	62.5°	11258.9	2403.5	2013.6	1839.2	1824.4	1381.9	1296.3	1464.1	1500.3	1472.3
13088.3	65°	8863.7	1697.7	1733.9	1612.2	1699.4	1355.5	1164.7	1368.7	1418.1	1375.3
9495.4	67.5°	5998.0	1225.6	1404.9	1460.8	1497.0	1296.3	1069.3	1260.1	1325.9	1270.0
6093.4	70°	3239.2	860.4	927.8	1230.5	1271.6	1194.3	983.8	1149.9	1225.6	1164.7
4331.5	72.5°	1913.2	618.6	649.8	988.7	1059.4	1051.2	888.3	1021.6	1113.7	1041.3
2989.1	75°	1054.5	417.9	463.9	717.3	860.4	811.0	763.3	865.3	959.1	888.3
1873.7	77.5°	472.1	250.1	322.4	470.5	676.1	556.0	590.6	674.5	761.7	687.6
1043.0	80°	182.6	139.8	213.9	256.6	491.9	307.6	380.0	496.8	559.3	500.1
227.0	82.5°	23.0	62.5	92.1	100.4	286.2	162.9	220.4	312.6	307.6	266.5
0.0	85°	0.0	11.5	13.2	6.6	123.4	59.2	72.4	102.0	95.4	72.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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: P951874  
 CATALOG NUMBER: GALN-SB5D-927-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
3306.6	0°	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6
2961.1	2.5°	2880.5	2821.3	2791.7	2767.0	2790.1	2803.2	2803.2	2859.2	2892.1	2905.2
2683.1	5°	2538.4	2428.1	2354.1	2309.7	2324.5	2341.0	2359.0	2429.8	2477.5	2508.8
2490.7	7.5°	2268.6	2100.8	1997.1	1942.8	1951.1	1962.6	1977.4	2046.5	2094.2	2135.3
2454.5	10°	2135.3	1898.4	1761.9	1696.1	1684.6	1678.0	1673.0	1714.2	1750.4	1783.3
2602.5	12.5°	2141.9	1811.2	1645.1	1564.5	1529.9	1490.4	1459.2	1465.8	1488.8	1529.9
2867.4	15°	2225.8	1783.3	1584.2	1483.9	1426.3	1380.2	1342.4	1334.2	1342.4	1349.0
3170.1	17.5°	2339.3	1780.0	1531.6	1406.5	1347.3	1309.5	1274.9	1263.4	1265.1	1273.3
3370.8	20°	2429.8	1770.1	1472.3	1332.5	1279.9	1247.0	1212.4	1200.9	1204.2	1205.8
3390.5	22.5°	2477.5	1755.3	1406.5	1258.5	1214.1	1181.2	1149.9	1148.3	1148.3	1158.1
3283.6	25°	2477.5	1724.0	1347.3	1187.7	1148.3	1118.7	1080.8	1087.4	1090.7	1103.9
3117.4	27.5°	2418.3	1664.8	1299.6	1126.9	1085.8	1056.1	1021.6	1029.8	1034.8	1049.6
2952.9	30°	2342.6	1594.1	1245.3	1069.3	1021.6	1000.2	970.6	973.9	980.5	996.9
2799.9	32.5°	2262.0	1510.2	1200.9	1011.7	964.0	947.6	914.7	919.6	926.2	944.3
2648.6	35°	2173.2	1411.5	1148.3	959.1	911.4	898.2	860.4	863.7	873.5	893.3
2485.7	37.5°	2079.4	1330.9	1095.6	908.1	858.7	845.6	806.1	809.4	820.9	843.9
2314.6	40°	1987.3	1251.9	1039.7	853.8	804.4	792.9	750.2	753.4	766.6	791.3
2141.9	42.5°	1886.9	1191.0	967.3	797.9	745.2	733.7	694.2	699.2	714.0	738.6
1982.3	45°	1766.8	1151.6	886.7	745.2	686.0	674.5	638.3	648.2	664.6	689.3
1845.8	47.5°	1643.4	1135.1	819.3	689.3	625.1	615.3	585.6	602.1	620.2	639.9
1729.0	50°	1525.0	1113.7	750.2	636.6	572.5	562.6	542.9	564.3	582.4	600.5
1645.1	52.5°	1390.1	1067.7	687.6	590.6	528.1	524.8	514.9	534.7	551.1	567.6
1572.7	55°	1250.3	993.6	633.4	549.5	490.2	493.5	488.6	505.0	518.2	533.0
1506.9	57.5°	1128.5	899.9	590.6	505.0	457.3	467.2	460.6	468.8	477.1	495.2
1427.9	60°	1005.1	788.0	542.9	452.4	424.4	435.9	417.9	416.2	419.5	424.4
1311.1	62.5°	839.0	671.2	483.7	406.3	388.2	393.2	358.6	332.3	332.3	337.2
1148.3	65°	674.5	562.6	417.9	353.7	338.9	335.6	286.2	250.1	246.8	261.6
959.1	67.5°	554.4	467.2	352.0	294.5	284.6	287.9	251.7	215.5	212.2	228.7
781.4	70°	459.0	376.7	281.3	227.0	236.9	251.7	215.5	181.0	176.0	190.8
635.0	72.5°	365.2	294.5	215.5	167.8	195.8	213.9	176.0	143.1	139.8	153.0
490.2	75°	268.1	210.6	146.4	121.7	151.3	167.8	128.3	102.0	97.1	108.6
327.4	77.5°	166.2	118.4	92.1	72.4	103.6	111.9	67.4	59.2	57.6	65.8
199.1	80°	77.3	51.0	44.4	24.7	37.8	44.4	28.0	31.3	32.9	39.5
100.4	82.5°	21.4	8.2	1.6	0.0	0.0	13.2	6.6	13.2	16.5	24.7
8.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	8.2	14.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
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: P951874  
 CATALOG NUMBER: GALN-SB5D-927-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
3306.6	0°	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6	3306.6
2997.3	2.5°	3066.4	3132.2	3237.5	3346.1	3453.0	3561.6	3666.9	3704.7
2651.9	5°	2781.8	2933.2	3142.1	3365.8	3596.2	3829.8	4043.6	4140.7
2294.9	7.5°	2464.3	2681.5	2995.7	3346.1	3713.0	4079.8	4417.0	4573.3
1941.2	10°	2125.4	2400.2	2758.8	3232.6	3759.0	4265.7	4729.6	4932.0
1630.3	12.5°	1803.0	2090.9	2487.4	3054.9	3722.8	4372.6	4930.3	5168.8
1411.5	15°	1533.2	1788.2	2215.9	2844.3	3606.0	4379.2	5025.7	5287.3
1289.7	17.5°	1330.9	1497.0	1939.6	2610.7	3453.0	4318.3	5058.6	5338.3
1223.9	20°	1230.5	1276.6	1580.9	2311.3	3309.9	4260.8	5091.5	5386.0
1171.3	22.5°	1171.3	1182.8	1293.0	1924.7	3138.8	4242.7	5149.1	5451.8
1123.6	25°	1123.6	1126.9	1156.5	1525.0	2877.2	4231.2	5237.9	5542.3
1074.2	27.5°	1075.9	1075.9	1092.3	1228.9	2521.9	4181.8	5353.1	5650.9
1024.9	30°	1028.2	1028.2	1039.7	1087.4	2105.7	4084.7	5491.3	5792.3
975.5	32.5°	978.8	978.8	988.7	1023.2	1681.3	3963.0	5618.0	5935.5
924.5	35°	929.5	926.2	939.3	975.5	1337.5	3808.4	5744.6	6090.1
873.5	37.5°	876.8	875.2	888.3	929.5	1154.8	3629.1	5840.0	6300.7
822.5	40°	820.9	820.9	835.7	880.1	1102.2	3403.7	5991.4	6603.4
769.9	42.5°	769.9	766.6	783.1	837.3	1062.7	3188.2	6262.8	7044.2
722.2	45°	720.5	714.0	728.8	796.2	993.6	3112.5	6769.5	7695.7
676.1	47.5°	674.5	658.0	671.2	746.9	931.1	3395.5	7598.6	8598.8
635.0	50°	636.6	605.4	616.9	697.5	883.4	4009.1	8674.5	9798.1
597.2	52.5°	597.2	556.0	562.6	636.6	840.6	4593.1	9840.9	11380.7
559.3	55°	556.0	510.0	513.3	575.8	779.8	4680.3	10979.3	13539.0
516.6	57.5°	510.0	467.2	467.2	519.8	735.4	4056.8	11854.5	16217.2
463.9	60°	459.0	431.0	422.8	475.4	774.8	2862.4	11956.5	17944.6
396.5	62.5°	403.0	388.2	376.7	432.7	804.4	1696.1	11135.6	17526.7
312.6	65°	338.9	335.6	327.4	475.4	677.8	1001.9	9559.6	16245.2
266.5	67.5°	284.6	279.7	279.7	498.5	514.9	630.1	7468.7	14481.7
227.0	70°	245.1	227.0	227.0	376.7	312.6	435.9	5214.9	12578.3
187.5	72.5°	205.6	185.9	172.7	301.1	233.6	319.1	3258.9	10772.0
143.1	75°	164.5	149.7	133.3	199.1	174.4	241.8	1893.5	8924.6
90.5	77.5°	118.4	111.9	93.8	146.4	126.7	174.4	1126.9	6886.3
55.9	80°	60.9	62.5	59.2	83.9	85.5	118.4	641.6	4713.2
36.2	82.5°	36.2	28.0	31.3	41.1	49.4	67.4	241.8	2770.3
26.3	85°	23.0	14.8	14.8	19.7	24.7	26.3	74.0	1123.6
13.2	87.5°	11.5	4.9	6.6	9.9	8.2	6.6	3.3	283.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)