

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: P953764

Luminaire Tested: **GALN-SB7B-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953764
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-SB7B-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 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: 25248 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 256.7
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



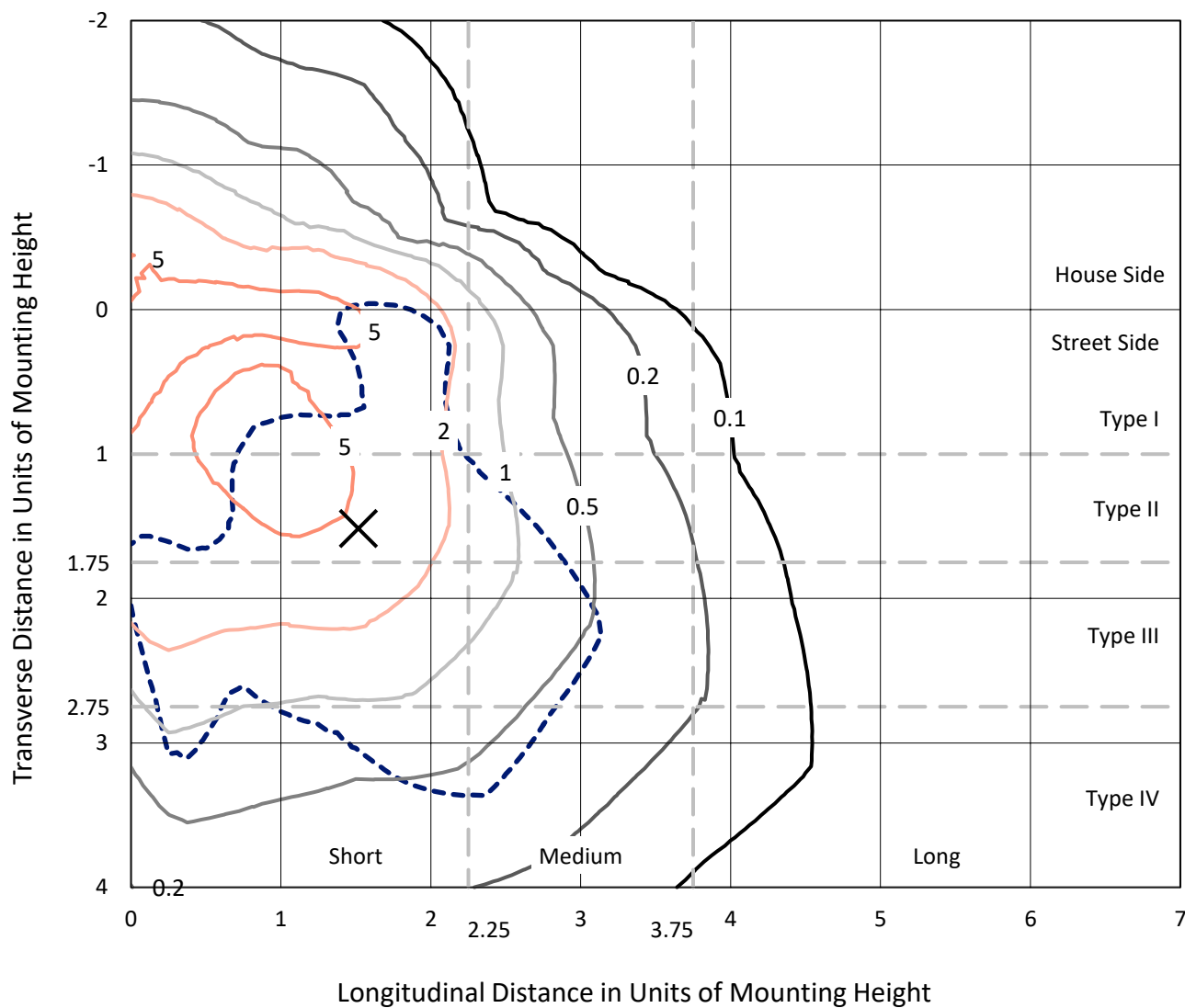
REPORT NUMBER: P953764

CATALOG NUMBER: GALN-SB7B-722-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

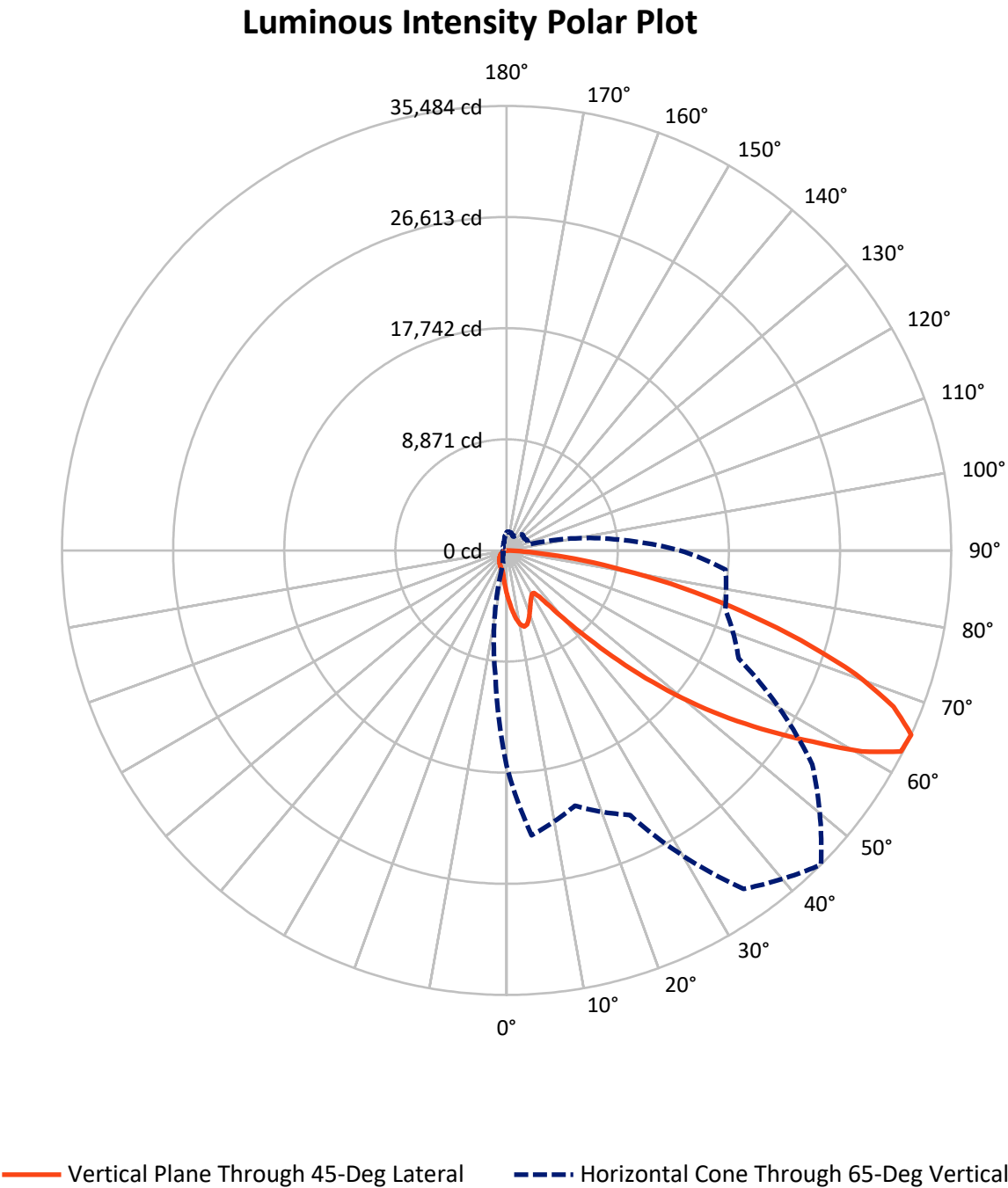
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc

Type IV - Short - N/A

REPORT NUMBER: P953764
CATALOG NUMBER: GALN-SB7B-722-U-SLL-HSS



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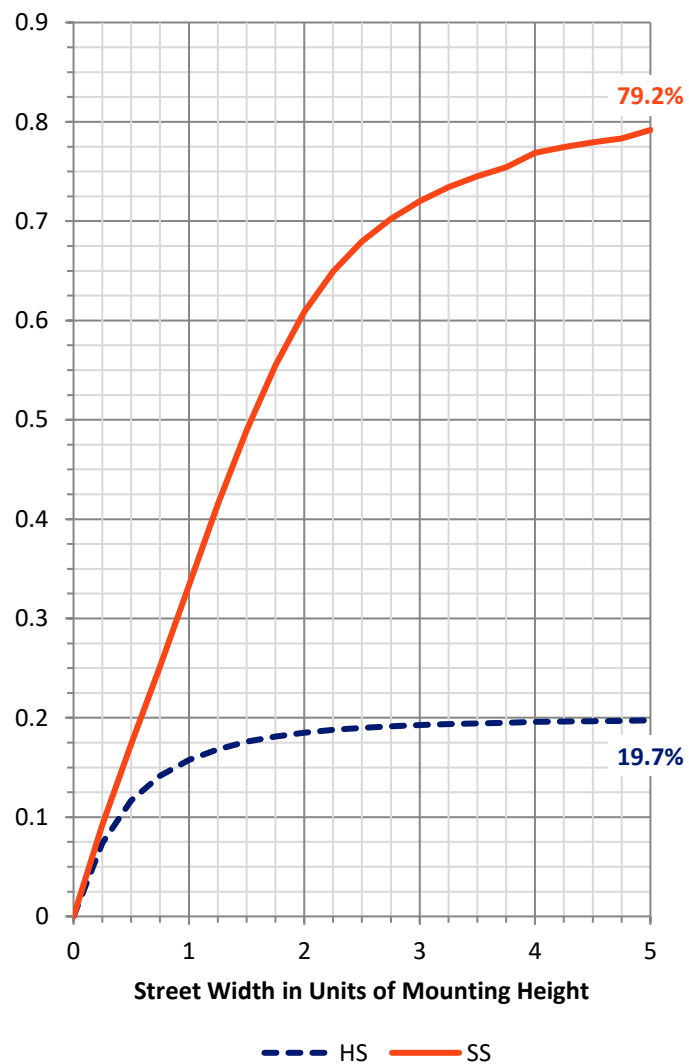
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5018.5	0.0	5018.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	20229.5	0.0	20229.5
	% Fixture	80.1	0.0	80.1
Total	Lumens	25248.0	0.0	25248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.2	1.4
10°-20°	1031.8	4.1
20°-30°	1520.1	6.0
30°-40°	1952.9	7.7
40°-50°	3158.3	12.5
50°-60°	5538.5	21.9
60°-70°	6930.1	27.4
70°-80°	4049.6	16.0
80°-90°	722.5	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°	25248.0	100.0
0°-180°	25248.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953764

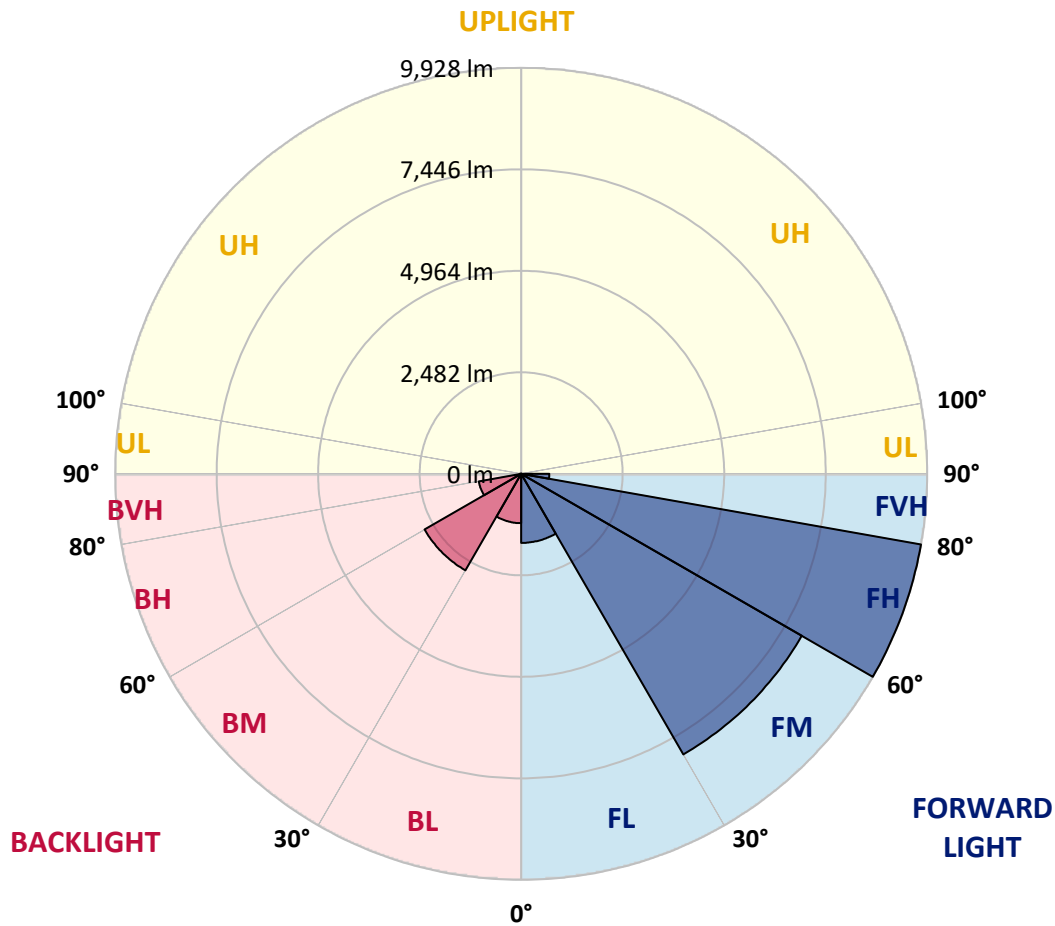
CATALOG NUMBER: GALN-SB7B-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1689.4	6.7			
FM	(30°-60°)	7923.1	31.4			
FH	(60°-80°)	9928.3	39.3			G4/12000
FVH	(80°-90°)	688.7	2.7			G4/750
BL	(0°-30°)	1206.7	4.8	B3/2500		
BM	(30°-60°)	2726.5	10.8	B3/5000		
BH	(60°-80°)	1051.5	4.2	B3/2500		G3/2500
BVH	(80°-90°)	33.9	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: P953764

CATALOG NUMBER: GALN-SB7B-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0
2.5°	3917.0	3946.5	4012.6	4047.4	4101.3	4104.8	4104.8	4057.8	4056.1	3960.4	3950.0
5°	4377.9	4447.5	4604.0	4765.7	4800.5	4809.2	4791.8	4697.9	4628.3	4442.2	4402.2
7.5°	4835.3	4969.2	5207.5	5423.2	5492.8	5492.8	5451.0	5298.0	5155.4	4885.8	4784.9
10°	5214.5	5383.2	5706.7	5948.5	6028.5	6011.1	5925.9	5732.8	5536.3	5209.3	5077.1
12.5°	5465.0	5654.5	6009.4	6204.2	6285.9	6240.7	6143.3	5955.4	5748.5	5404.1	5254.5
15°	5590.2	5788.5	6096.3	6198.9	6176.3	6129.4	6117.2	6026.8	5870.2	5548.4	5384.9
17.5°	5644.1	5828.5	6042.4	5978.1	5786.7	5750.2	5872.0	5986.8	5948.5	5673.7	5520.6
20°	5694.5	5849.3	5913.7	5628.5	5294.5	5261.5	5494.5	5821.5	5988.5	5790.2	5649.3
22.5°	5764.1	5859.8	5727.6	5259.7	4899.7	4823.1	5080.6	5572.8	6000.7	5938.1	5797.2
25°	5859.8	5885.9	5522.4	4910.1	4548.3	4471.8	4711.8	5296.2	5979.8	6098.1	5978.1
27.5°	5974.6	5920.7	5325.8	4617.9	4268.3	4197.0	4437.0	5030.1	5920.7	6258.1	6172.9
30°	6124.2	5965.9	5131.0	4391.8	4068.3	4016.1	4247.4	4800.5	5847.6	6461.6	6414.6
32.5°	6275.5	5985.0	4950.1	4259.6	4023.1	4042.2	4231.8	4677.0	5767.6	6656.4	6679.0
35°	6439.0	6045.9	4861.4	4390.1	4400.5	4567.5	4645.7	4791.8	5755.4	6920.8	7009.5
37.5°	6661.6	6181.6	4967.5	5038.8	5400.6	5746.7	5682.4	5353.6	5896.3	7315.6	7480.8
40°	6981.6	6419.8	5430.2	6143.3	6886.0	7447.8	7202.5	6374.6	6327.7	7884.4	8131.3
42.5°	7447.8	6799.0	6251.1	7493.0	8752.3	9677.6	9020.1	7691.3	7082.5	8696.6	9011.4
45°	8136.6	7413.0	7244.3	8917.5	11053.4	12511.0	11143.8	9094.9	8140.0	9926.3	10173.3
47.5°	9091.4	8315.7	8174.8	10418.5	13850.2	15735.7	13498.9	10395.9	9343.6	11603.0	11660.4
50°	10359.4	9531.5	9056.7	12060.5	16916.7	19023.0	15852.2	11651.7	10722.9	13651.9	13585.9
52.5°	12032.6	11227.3	10084.6	13624.1	20070.1	22240.7	18215.9	12754.5	12434.4	16029.6	15893.9
55°	14314.6	13778.9	11490.0	15116.5	23221.7	25477.6	20487.5	13794.6	14695.5	18854.3	18033.3
57.5°	17146.3	17528.9	13516.3	16847.1	26055.1	28813.6	22769.5	15248.6	17631.5	22012.9	19275.2
60°	18972.5	22515.5	17396.7	19405.6	29274.6	32586.2	25896.8	18014.2	20717.1	23145.2	19038.6
62.5°	18530.8	24101.8	22044.2	22672.1	32234.9	35329.1	28961.5	20791.9	21298.0	21477.2	17215.8
65°	17175.8	22821.7	21096.3	23306.9	32984.5	35483.9	29780.7	20433.6	18066.4	17534.1	13838.1
67.5°	15311.3	21303.2	18843.8	21623.3	31629.6	33320.2	28255.3	18075.0	13961.5	13158.0	10039.4
70°	13298.9	19623.0	17365.4	19734.4	29046.7	29549.4	25662.0	15897.4	10269.0	8886.2	6442.5
72.5°	11389.1	17873.3	16353.1	17798.5	25601.1	24561.0	22286.0	13972.0	7477.4	6409.4	4579.6
75°	9435.8	15292.1	14911.2	15499.1	21070.2	19346.5	18516.8	11568.2	5868.5	4637.0	3160.4
77.5°	7280.8	11949.2	12825.8	12411.8	14831.2	14370.3	14352.9	8693.1	4287.4	3094.3	1981.1
80°	4983.2	8327.9	10020.2	8755.8	9625.4	9390.6	10809.9	5832.0	3109.9	1862.8	1102.7
82.5°	2929.0	5070.1	6974.7	4238.7	5322.3	5463.2	6437.2	2836.8	1829.8	429.6	240.0
85°	1188.0	2002.0	2727.3	1659.3	2567.2	2165.5	2443.7	796.6	509.6	10.4	0.0
87.5°	299.2	640.1	448.7	186.1	297.4	273.1	215.7	97.4	20.9	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	0.0

REPORT NUMBER: P953764

CATALOG NUMBER: GALN-SB7B-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0
2.5°	3882.2	3842.2	3743.0	3643.9	3563.9	3456.0	3384.7	3299.5	3217.7	3144.7	3130.8
5°	4292.7	4160.5	3979.6	3814.3	3645.6	3482.1	3320.4	3149.9	2993.4	2897.7	2836.8
7.5°	4626.6	4393.5	4153.5	3943.0	3739.5	3548.2	3334.3	3127.3	2882.1	2751.6	2633.3
10°	4875.3	4569.2	4254.4	4012.6	3807.4	3621.3	3440.4	3231.7	2936.0	2772.5	2595.1
12.5°	5038.8	4675.3	4306.6	4030.0	3800.4	3656.1	3576.0	3494.3	3200.4	3009.0	2751.6
15°	5151.9	4750.1	4343.1	3990.0	3708.2	3602.1	3682.1	3776.1	3588.2	3367.3	3031.6
17.5°	5275.4	4847.5	4358.7	3882.2	3529.1	3483.9	3690.8	3908.3	3899.6	3680.4	3351.7
20°	5405.8	4932.7	4348.3	3708.2	3311.7	3351.7	3616.1	3868.3	3974.4	3856.1	3563.9
22.5°	5539.7	5014.5	4308.3	3482.1	3108.2	3233.4	3497.8	3718.7	3843.9	3807.4	3584.7
25°	5708.5	5129.3	4249.2	3238.6	2939.5	3113.4	3360.4	3539.5	3626.5	3624.8	3471.7
27.5°	5910.2	5282.3	4217.9	3042.1	2819.4	2977.7	3196.9	3356.9	3417.8	3417.8	3296.0
30°	6145.0	5463.2	4183.1	2913.4	2749.9	2836.8	3007.3	3163.8	3224.7	3224.7	3122.1
32.5°	6405.9	5637.1	4099.6	2835.1	2697.7	2699.4	2807.3	2949.9	3022.9	3033.4	2960.3
35°	6719.0	5823.3	3917.0	2772.5	2636.8	2565.5	2617.7	2736.0	2822.9	2845.5	2800.3
37.5°	7129.5	6051.1	3656.1	2680.3	2542.9	2424.6	2436.8	2527.2	2622.9	2657.7	2628.1
40°	7680.9	6319.0	3384.7	2548.1	2410.7	2269.8	2264.6	2330.7	2424.6	2462.9	2447.2
42.5°	8409.6	6640.7	3125.6	2421.1	2250.7	2106.3	2097.6	2149.8	2231.6	2271.6	2264.6
45°	9341.9	7035.6	2902.9	2322.0	2094.1	1951.5	1948.0	1991.5	2062.8	2104.6	2095.9
47.5°	10637.7	7430.4	2751.6	2269.8	1970.7	1824.6	1831.5	1869.8	1934.1	1963.7	1951.5
50°	12326.6	7550.4	2675.1	2269.8	1904.6	1711.5	1746.3	1777.6	1826.3	1843.7	1828.0
52.5°	13947.6	7153.8	2605.5	2283.7	1913.3	1615.8	1690.6	1713.2	1755.0	1761.9	1739.3
55°	14742.5	6150.2	2509.8	2287.2	1967.2	1534.1	1645.4	1687.1	1702.8	1701.1	1662.8
57.5°	14469.4	4972.7	2348.1	2273.3	2003.7	1481.9	1589.7	1669.8	1680.2	1664.5	1593.2
60°	13511.1	3661.3	2224.6	2170.7	1989.8	1466.2	1504.5	1631.5	1647.1	1626.3	1509.7
62.5°	11903.9	2541.2	2128.9	1944.6	1928.9	1461.0	1370.6	1548.0	1586.3	1556.7	1386.2
65°	9371.5	1795.0	1833.2	1704.5	1796.7	1433.2	1231.4	1447.1	1499.3	1454.1	1214.0
67.5°	6341.6	1295.8	1485.4	1544.5	1582.8	1370.6	1130.6	1332.3	1401.9	1342.8	1014.0
70°	3424.7	909.7	981.0	1301.0	1344.5	1262.7	1040.1	1215.8	1295.8	1231.4	826.2
72.5°	2022.8	654.0	687.0	1045.3	1120.1	1111.4	939.2	1080.1	1177.5	1101.0	671.4
75°	1114.9	441.8	490.5	758.3	909.7	857.5	807.0	914.9	1014.0	939.2	518.3
77.5°	499.2	264.4	340.9	497.4	714.9	587.9	624.4	713.1	805.3	727.0	346.1
80°	193.1	147.8	226.1	271.3	520.1	325.3	401.8	525.3	591.4	528.8	210.5
82.5°	24.4	66.1	97.4	106.1	302.6	172.2	233.1	330.5	325.3	281.8	106.1
85°	0.0	12.2	13.9	7.0	130.4	62.6	76.5	107.8	100.9	76.5	8.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	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	0.0

REPORT NUMBER: P953764

CATALOG NUMBER: GALN-SB7B-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0
2.5°	3045.6	2982.9	2951.6	2925.5	2949.9	2963.8	2963.8	3022.9	3057.7	3071.6	3169.0
5°	2683.8	2567.2	2489.0	2442.0	2457.7	2475.1	2494.2	2569.0	2619.4	2652.5	2803.8
7.5°	2398.5	2221.1	2111.5	2054.1	2062.8	2075.0	2090.7	2163.7	2214.2	2257.6	2426.4
10°	2257.6	2007.2	1862.8	1793.2	1781.1	1774.1	1768.9	1812.4	1850.6	1885.4	2052.4
12.5°	2264.6	1915.0	1739.3	1654.1	1617.6	1575.8	1542.8	1549.7	1574.1	1617.6	1723.7
15°	2353.3	1885.4	1675.0	1568.9	1508.0	1459.3	1419.3	1410.6	1419.3	1426.2	1492.3
17.5°	2473.3	1881.9	1619.3	1487.1	1424.5	1384.5	1348.0	1335.8	1337.5	1346.2	1363.6
20°	2569.0	1871.5	1556.7	1408.9	1353.2	1318.4	1281.9	1269.7	1273.2	1274.9	1294.1
22.5°	2619.4	1855.9	1487.1	1330.6	1283.6	1248.8	1215.8	1214.0	1214.0	1224.5	1238.4
25°	2619.4	1822.8	1424.5	1255.8	1214.0	1182.7	1142.7	1149.7	1153.2	1167.1	1188.0
27.5°	2556.8	1760.2	1374.1	1191.4	1148.0	1116.6	1080.1	1088.8	1094.0	1109.7	1135.8
30°	2476.8	1685.4	1316.7	1130.6	1080.1	1057.5	1026.2	1029.7	1036.6	1054.0	1083.6
32.5°	2391.6	1596.7	1269.7	1069.7	1019.2	1001.9	967.1	972.3	979.2	998.4	1031.4
35°	2297.6	1492.3	1214.0	1014.0	963.6	949.7	909.7	913.1	923.6	944.5	977.5
37.5°	2198.5	1407.1	1158.4	960.1	907.9	894.0	852.3	855.7	867.9	892.3	923.6
40°	2101.1	1323.6	1099.3	902.7	850.5	838.4	793.1	796.6	810.5	836.6	869.7
42.5°	1995.0	1259.3	1022.7	843.6	787.9	775.7	734.0	739.2	754.9	781.0	814.0
45°	1868.0	1217.5	937.5	787.9	725.3	713.1	674.9	685.3	702.7	728.8	763.6
47.5°	1737.6	1200.1	866.2	728.8	660.9	650.5	619.2	636.6	655.7	676.6	714.9
50°	1612.4	1177.5	793.1	673.1	605.3	594.8	574.0	596.6	615.7	634.9	671.4
52.5°	1469.7	1128.8	727.0	624.4	558.3	554.8	544.4	565.3	582.7	600.1	631.4
55°	1321.9	1050.6	669.6	580.9	518.3	521.8	516.6	534.0	547.9	563.5	591.4
57.5°	1193.2	951.4	624.4	534.0	483.5	494.0	487.0	495.7	504.4	523.5	546.1
60°	1062.7	833.1	574.0	478.3	448.7	460.9	441.8	440.0	443.5	448.7	490.5
62.5°	887.1	709.6	511.4	429.6	410.5	415.7	379.2	351.3	351.3	356.6	419.2
65°	713.1	594.8	441.8	374.0	358.3	354.8	302.6	264.4	260.9	276.6	330.5
67.5°	586.2	494.0	372.2	311.3	300.9	304.4	266.1	227.9	224.4	241.8	281.8
70°	485.3	398.3	297.4	240.0	250.5	266.1	227.9	191.3	186.1	201.8	240.0
72.5°	386.1	311.3	227.9	177.4	207.0	226.1	186.1	151.3	147.8	161.8	198.3
75°	283.5	222.6	154.8	128.7	160.0	177.4	135.7	107.8	102.6	114.8	151.3
77.5°	175.7	125.2	97.4	76.5	109.6	118.3	71.3	62.6	60.9	69.6	95.7
80°	81.7	53.9	47.0	26.1	40.0	47.0	29.6	33.0	34.8	41.7	59.1
82.5°	22.6	8.7	1.7	0.0	0.0	13.9	7.0	13.9	17.4	26.1	38.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	8.7	15.7	27.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953764

CATALOG NUMBER: GALN-SB7B-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0	3496.0
2.5°	3242.1	3311.7	3423.0	3537.8	3650.8	3765.6	3877.0	3917.0
5°	2941.2	3101.2	3322.1	3558.7	3802.2	4049.1	4275.3	4377.9
7.5°	2605.5	2835.1	3167.3	3537.8	3925.7	4313.5	4670.1	4835.3
10°	2247.2	2537.7	2916.8	3417.8	3974.4	4510.1	5000.6	5214.5
12.5°	1906.3	2210.7	2629.9	3229.9	3936.1	4623.1	5212.8	5465.0
15°	1621.0	1890.6	2342.9	3007.3	3812.6	4630.1	5313.6	5590.2
17.5°	1407.1	1582.8	2050.7	2760.3	3650.8	4565.7	5348.4	5644.1
20°	1301.0	1349.7	1671.5	2443.7	3499.5	4504.8	5383.2	5694.5
22.5°	1238.4	1250.6	1367.1	2035.0	3318.6	4485.7	5444.1	5764.1
25°	1188.0	1191.4	1222.7	1612.4	3042.1	4473.5	5538.0	5859.8
27.5°	1137.5	1137.5	1154.9	1299.3	2666.4	4421.4	5659.8	5974.6
30°	1087.1	1087.1	1099.3	1149.7	2226.3	4318.7	5805.9	6124.2
32.5°	1034.9	1034.9	1045.3	1081.9	1777.6	4190.0	5939.8	6275.5
35°	982.7	979.2	993.2	1031.4	1414.1	4026.5	6073.7	6439.0
37.5°	927.1	925.3	939.2	982.7	1221.0	3836.9	6174.6	6661.6
40°	867.9	867.9	883.6	930.5	1165.3	3598.7	6334.6	6981.6
42.5°	814.0	810.5	827.9	885.3	1123.6	3370.8	6621.6	7447.8
45°	761.8	754.9	770.5	841.8	1050.6	3290.8	7157.3	8136.6
47.5°	713.1	695.7	709.6	789.7	984.5	3590.0	8033.9	9091.4
50°	673.1	640.1	652.2	737.5	934.0	4238.7	9171.5	10359.4
52.5°	631.4	587.9	594.8	673.1	888.8	4856.2	10404.6	12032.6
55°	587.9	539.2	542.7	608.8	824.4	4948.4	11608.2	14314.6
57.5°	539.2	494.0	494.0	549.6	777.5	4289.2	12533.6	17146.3
60°	485.3	455.7	447.0	502.7	819.2	3026.4	12641.4	18972.5
62.5°	426.1	410.5	398.3	457.4	850.5	1793.2	11773.5	18530.8
65°	358.3	354.8	346.1	502.7	716.6	1059.2	10107.2	17175.8
67.5°	300.9	295.7	295.7	527.0	544.4	666.2	7896.5	15311.3
70°	259.2	240.0	240.0	398.3	330.5	460.9	5513.7	13298.9
72.5°	217.4	196.5	182.6	318.3	247.0	337.4	3445.6	11389.1
75°	173.9	158.3	140.9	210.5	184.4	255.7	2002.0	9435.8
77.5°	125.2	118.3	99.1	154.8	133.9	184.4	1191.4	7280.8
80°	64.4	66.1	62.6	88.7	90.4	125.2	678.3	4983.2
82.5°	38.3	29.6	33.0	43.5	52.2	71.3	255.7	2929.0
85°	24.4	15.7	15.7	20.9	26.1	27.8	78.3	1188.0
87.5°	12.2	5.2	7.0	10.4	8.7	7.0	3.5	299.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)