

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: P954123

Luminaire Tested: **GALN-SB7C-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954123
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-SB7C-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33578 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 350.5
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

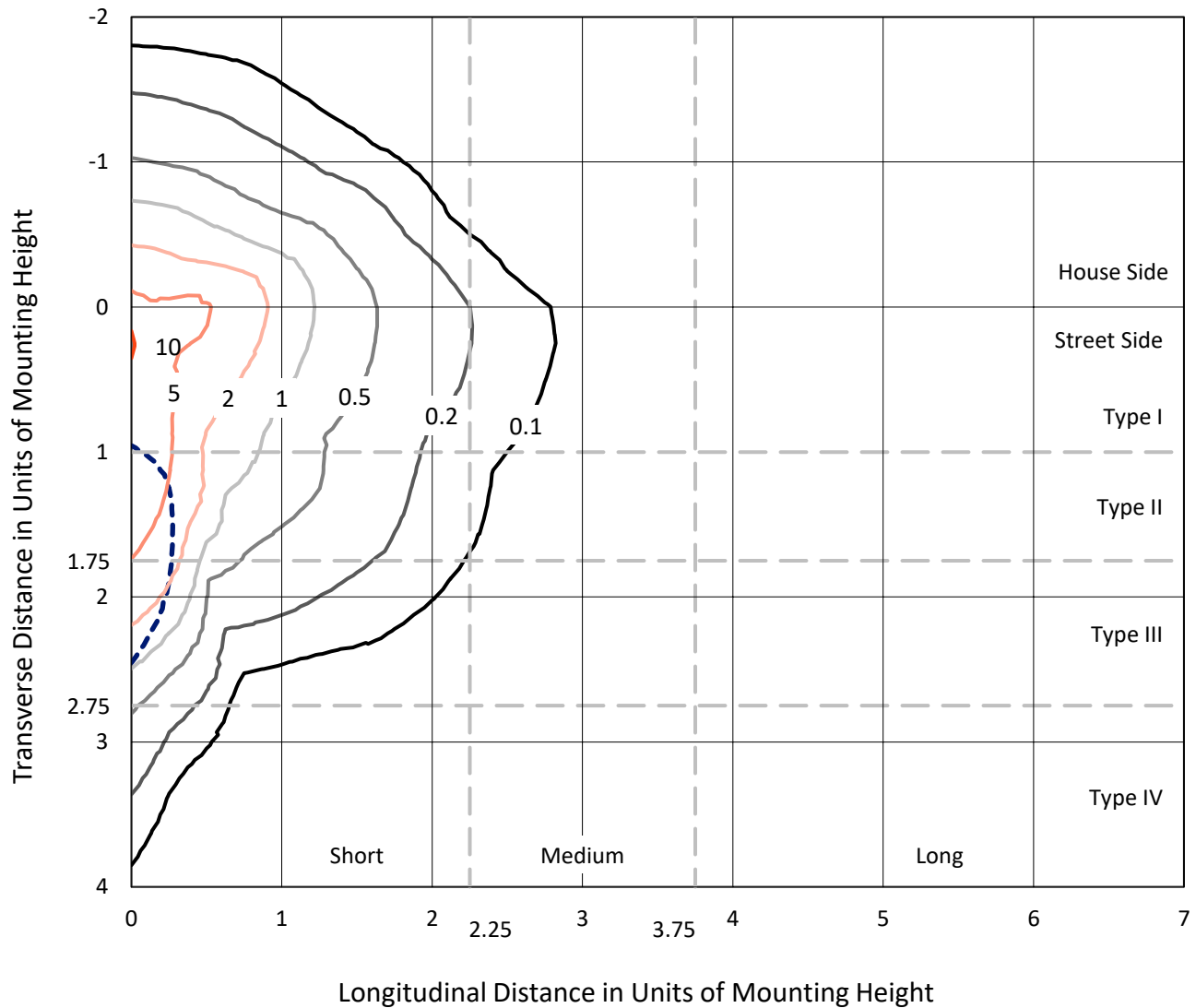


REPORT NUMBER: P954123

CATALOG NUMBER: GALN-SB7C-722-U-SLR-HSS

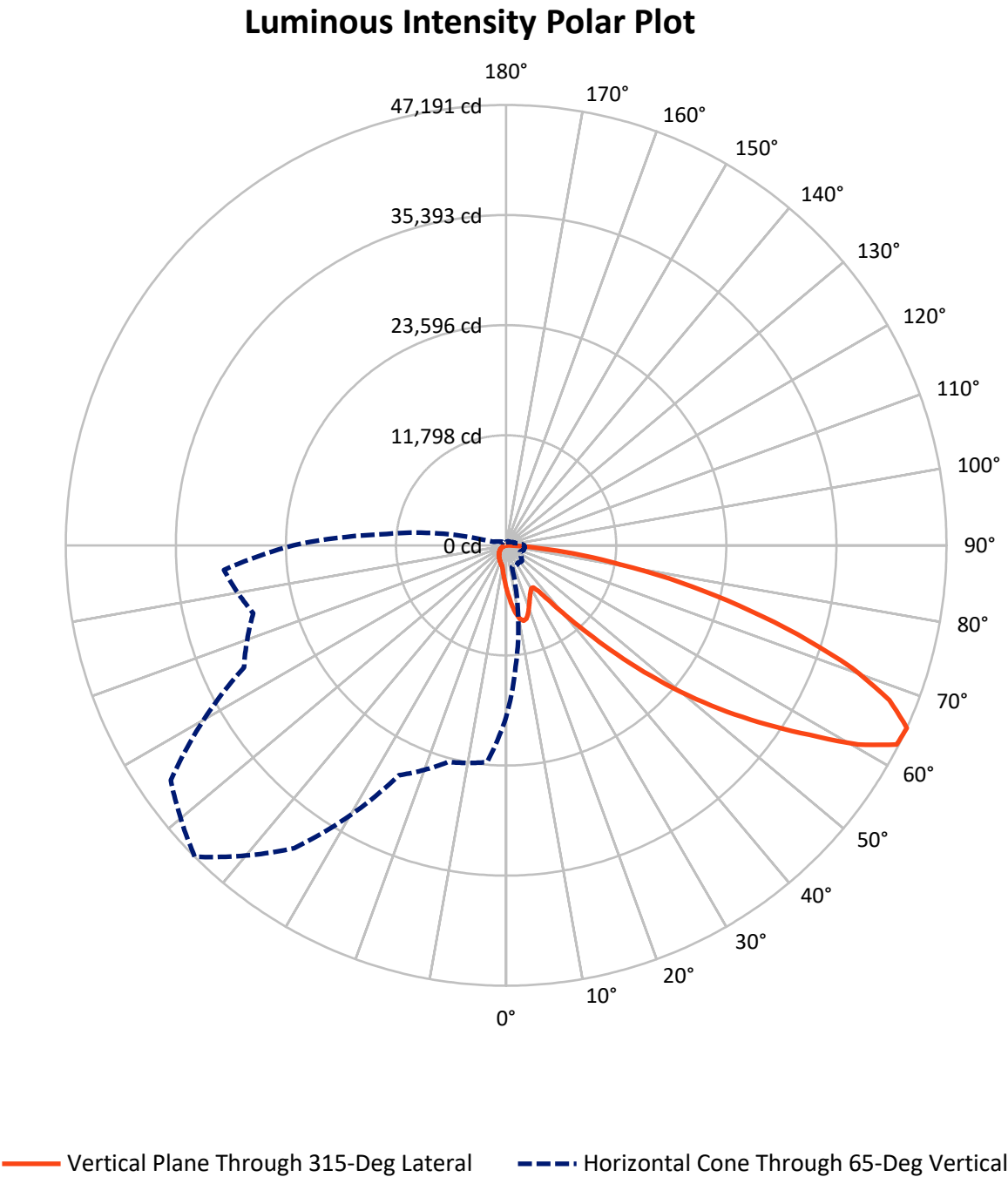
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
Type IV - Short - N/A

REPORT NUMBER: P954123
CATALOG NUMBER: GALN-SB7C-722-U-SLR-HSS



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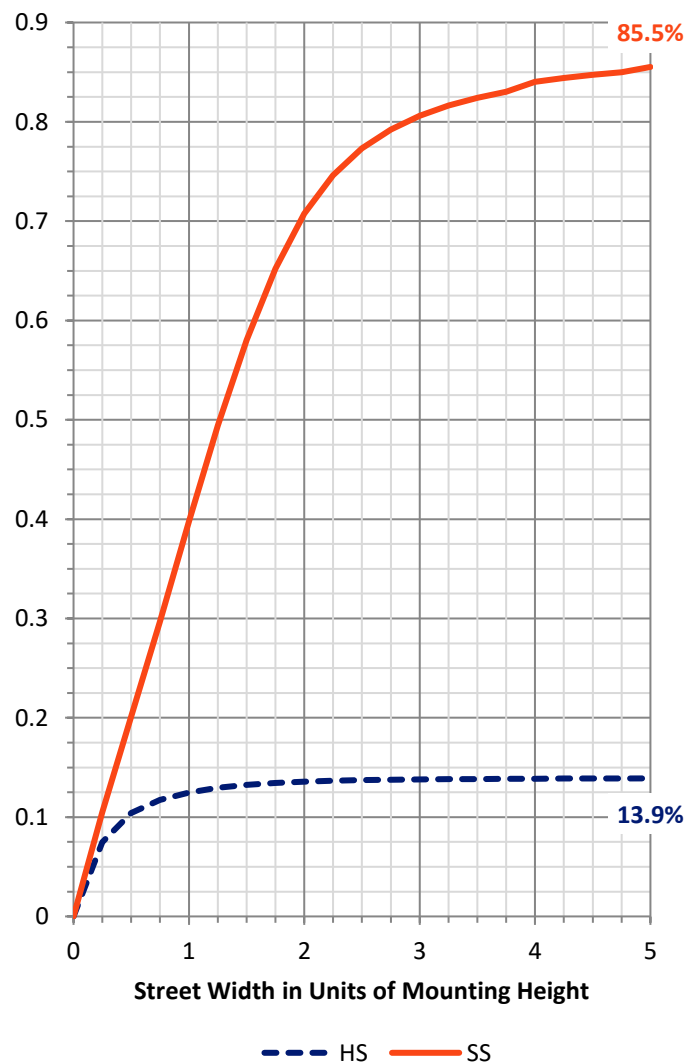
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4702.3	0.0	4702.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	28875.7	0.0	28875.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	33578.0	0.0	33578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.8	1.4
10°-20°	1372.2	4.1
20°-30°	2021.6	6.0
30°-40°	2597.2	7.7
40°-50°	4200.4	12.5
50°-60°	7365.7	21.9
60°-70°	9216.6	27.4
70°-80°	5385.7	16.0
80°-90°	960.9	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°	33578.0	100.0
0°-180°	33578.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954123

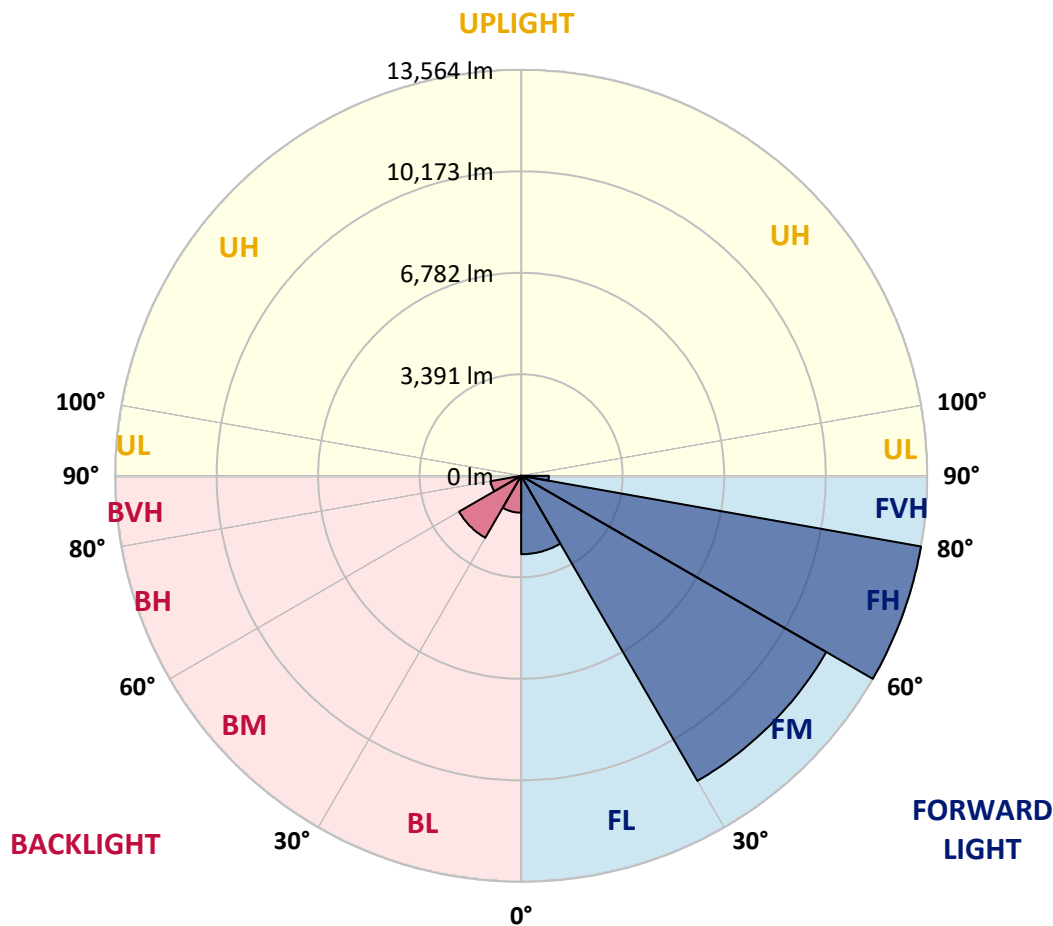
CATALOG NUMBER: GALN-SB7C-722-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2619.0	7.8			
FM	(30°-60°)	11768.7	35.0			
FH	(60°-80°)	13564.0	40.4			G5
FVH	(80°-90°)	924.0	2.8			G5
BL	(0°-30°)	1232.6	3.7	B3/2500		
BM	(30°-60°)	2394.6	7.1	B2/2500		
BH	(60°-80°)	1038.3	3.1	B3/2500		G3/2500
BVH	(80°-90°)	36.9	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-G5

Type IV Short



REPORT NUMBER: P954123

CATALOG NUMBER: GALN-SB7C-722-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5
2.5°	5253.2	5163.0	5109.8	4977.9	4846.1	4739.7	4596.3	4501.4	4388.1	4279.4	4182.2
5°	5854.6	5708.9	5533.1	5292.5	5072.8	4848.4	4631.0	4415.8	4189.2	3981.0	3853.7
7.5°	6363.5	6153.0	5843.1	5523.9	5244.0	4973.3	4718.9	4434.4	4159.1	3832.9	3659.4
10°	6752.2	6483.8	6076.7	5658.0	5336.5	5063.5	4816.0	4575.5	4297.9	3904.6	3687.2
12.5°	6988.1	6701.3	6217.8	5727.4	5359.6	5054.3	4862.3	4755.9	4647.2	4256.2	4001.8
15°	7161.6	6851.6	6317.3	5776.0	5306.4	4931.7	4790.6	4897.0	5021.9	4772.1	4478.3
17.5°	7342.0	7015.9	6446.8	5796.8	5163.0	4693.4	4633.3	4908.6	5197.7	5186.1	4894.7
20°	7513.2	7189.3	6560.2	5782.9	4931.7	4404.3	4457.5	4809.1	5144.5	5285.6	5128.3
22.5°	7709.8	7367.5	6668.9	5729.7	4631.0	4133.6	4300.2	4651.8	4945.6	5112.1	5063.5
25°	7950.4	7591.8	6821.5	5651.1	4307.1	3909.3	4140.6	4469.1	4707.3	4823.0	4820.7
27.5°	8209.5	7860.2	7025.1	5609.4	4045.7	3749.7	3960.2	4251.6	4464.4	4545.4	4545.4
30°	8531.0	8172.4	7265.7	5563.2	3874.6	3657.1	3772.8	3999.5	4207.7	4288.6	4288.6
32.5°	8882.6	8519.4	7497.0	5452.1	3770.5	3587.7	3590.0	3733.5	3923.1	4020.3	4034.2
35°	9322.1	8935.8	7744.5	5209.3	3687.2	3506.8	3411.9	3481.3	3638.6	3754.3	3784.4
37.5°	9949.0	9481.7	8047.5	4862.3	3564.6	3381.9	3224.6	3240.8	3361.0	3488.3	3534.5
40°	10814.1	10215.0	8403.8	4501.4	3388.8	3206.1	3018.7	3011.8	3099.7	3224.6	3275.5
42.5°	11984.6	11184.2	8831.7	4156.8	3219.9	2993.2	2801.3	2789.7	2859.1	2967.8	3021.0
45°	13529.8	12424.1	9356.8	3860.7	3088.1	2785.1	2595.4	2590.8	2648.6	2743.4	2798.9
47.5°	15507.5	14147.4	9881.9	3659.4	3018.7	2620.8	2426.5	2435.8	2486.7	2572.2	2611.6
50°	18068.2	16393.5	10041.5	3557.7	3018.7	2532.9	2276.2	2322.4	2364.1	2428.8	2452.0
52.5°	21137.8	18549.3	9514.1	3465.1	3037.2	2544.5	2148.9	2248.4	2278.5	2334.0	2343.2
55°	23983.0	19606.5	8179.4	3337.9	3041.8	2616.2	2040.2	2188.3	2243.8	2264.6	2262.3
57.5°	25634.6	19243.3	6613.4	3122.8	3023.3	2664.8	1970.8	2114.2	2220.6	2234.5	2213.7
60°	25320.0	17968.7	4869.2	2958.5	2886.8	2646.3	1950.0	2000.9	2169.8	2190.6	2162.8
62.5°	22895.8	15831.4	3379.5	2831.3	2586.1	2565.3	1943.1	1822.8	2058.7	2109.6	2070.3
65°	18403.6	12463.4	2387.2	2438.1	2266.9	2389.5	1906.1	1637.7	1924.6	1994.0	1933.8
67.5°	13351.6	8433.8	1723.3	1975.5	2054.1	2105.0	1822.8	1503.6	1771.9	1864.4	1785.8
70°	8568.0	4554.6	1209.8	1304.6	1730.3	1788.1	1679.4	1383.3	1616.9	1723.3	1637.7
72.5°	6090.6	2690.2	869.8	913.7	1390.2	1489.7	1478.1	1249.1	1436.5	1566.0	1464.2
75°	4203.0	1482.7	587.5	652.3	1008.5	1209.8	1140.4	1073.3	1216.7	1348.6	1249.1
77.5°	2634.7	663.9	351.6	453.4	661.6	950.7	781.9	830.4	948.4	1071.0	966.9
80°	1466.6	256.8	196.6	300.7	360.9	691.6	432.6	534.3	698.6	786.5	703.2
82.5°	319.2	32.4	87.9	129.5	141.1	402.5	229.0	310.0	439.5	432.6	374.7
85°	0.0	0.0	16.2	18.5	9.3	173.5	83.3	101.8	143.4	134.2	101.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	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: P954123

CATALOG NUMBER: GALN-SB7C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5
2.5°	4163.7	4050.4	3967.1	3925.5	3890.8	3923.1	3941.6	3941.6	4020.3	4066.6	4085.1
5°	3772.8	3569.2	3414.2	3310.2	3247.7	3268.5	3291.6	3317.1	3416.6	3483.6	3527.6
7.5°	3502.1	3189.9	2953.9	2808.2	2731.9	2743.4	2759.6	2780.4	2877.6	2944.7	3002.5
10°	3451.3	3002.5	2669.4	2477.4	2384.9	2368.7	2359.4	2352.5	2410.3	2461.2	2507.5
12.5°	3659.4	3011.8	2546.8	2313.2	2199.8	2151.3	2095.7	2051.8	2061.0	2093.4	2151.3
15°	4031.9	3129.7	2507.5	2227.6	2086.5	2005.5	1940.8	1887.5	1876.0	1887.5	1896.8
17.5°	4457.5	3289.3	2502.9	2153.6	1977.8	1894.5	1841.3	1792.7	1776.5	1778.8	1790.4
20°	4739.7	3416.6	2489.0	2070.3	1873.7	1799.6	1753.4	1704.8	1688.6	1693.2	1695.6
22.5°	4767.5	3483.6	2468.2	1977.8	1769.6	1707.1	1660.9	1616.9	1614.6	1614.6	1628.5
25°	4617.1	3483.6	2424.2	1894.5	1670.1	1614.6	1573.0	1519.8	1529.0	1533.6	1552.1
27.5°	4383.5	3400.4	2340.9	1827.4	1584.5	1526.7	1485.1	1436.5	1448.0	1455.0	1475.8
30°	4152.1	3294.0	2241.5	1751.1	1503.6	1436.5	1406.4	1364.8	1369.4	1378.7	1401.8
32.5°	3937.0	3180.6	2123.5	1688.6	1422.6	1355.5	1332.4	1286.1	1293.1	1302.3	1327.8
35°	3724.2	3055.7	1984.7	1614.6	1348.6	1281.5	1263.0	1209.8	1214.4	1228.3	1256.1
37.5°	3495.2	2923.9	1871.4	1540.6	1276.9	1207.5	1189.0	1133.5	1138.1	1154.3	1186.7
40°	3254.6	2794.3	1760.3	1461.9	1200.5	1131.1	1114.9	1054.8	1059.4	1077.9	1112.6
42.5°	3011.8	2653.2	1674.7	1360.1	1121.9	1047.9	1031.7	976.2	983.1	1003.9	1038.6
45°	2787.4	2484.3	1619.2	1246.8	1047.9	964.6	948.4	897.5	911.4	934.5	969.2
47.5°	2595.4	2310.9	1596.1	1152.0	969.2	879.0	865.1	823.5	846.6	872.1	899.8
50°	2431.1	2144.3	1566.0	1054.8	895.2	805.0	791.1	763.3	793.4	818.9	844.3
52.5°	2313.2	1954.6	1501.2	966.9	830.4	742.5	737.9	724.0	751.8	774.9	798.0
55°	2211.4	1758.0	1397.2	890.6	772.6	689.3	694.0	687.0	710.1	728.6	749.5
57.5°	2118.9	1586.8	1265.3	830.4	710.1	643.1	656.9	647.7	659.3	670.8	696.3
60°	2007.8	1413.3	1108.0	763.3	636.1	596.8	613.0	587.5	585.2	589.9	596.8
62.5°	1843.6	1179.7	943.8	680.1	571.4	545.9	552.8	504.3	467.3	467.3	474.2
65°	1614.6	948.4	791.1	587.5	497.3	476.5	471.9	402.5	351.6	347.0	367.8
67.5°	1348.6	779.5	656.9	495.0	414.1	400.2	404.8	353.9	303.0	298.4	321.5
70°	1098.8	645.4	529.7	395.6	319.2	333.1	353.9	303.0	254.4	247.5	268.3
72.5°	892.9	513.5	414.1	303.0	235.9	275.3	300.7	247.5	201.2	196.6	215.1
75°	689.3	377.0	296.1	205.9	171.2	212.8	235.9	180.4	143.4	136.5	152.7
77.5°	460.3	233.6	166.5	129.5	101.8	145.7	157.3	94.8	83.3	81.0	92.5
80°	279.9	108.7	71.7	62.5	34.7	53.2	62.5	39.3	44.0	46.3	55.5
82.5°	141.1	30.1	11.6	2.3	0.0	0.0	18.5	9.3	18.5	23.1	34.7
85°	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	11.6	20.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3
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: P954123

CATALOG NUMBER: GALN-SB7C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5
2.5°	4214.6	4311.8	4404.3	4552.3	4705.0	4855.4	5008.0	5156.1	5209.3	5248.6	5336.5
5°	3728.8	3911.6	4124.4	4418.2	4732.8	5056.6	5385.1	5685.8	5822.3	5914.8	6123.0
7.5°	3226.9	3465.1	3770.5	4212.3	4705.0	5220.8	5736.7	6210.9	6430.6	6608.7	6925.6
10°	2729.5	2988.6	3374.9	3879.2	4545.4	5285.6	5998.1	6650.4	6934.9	7159.3	7589.5
12.5°	2292.4	2535.2	2940.0	3497.5	4295.6	5234.7	6148.4	6932.6	7268.0	7520.1	7992.0
15°	1984.7	2155.9	2514.4	3115.8	3999.5	5070.5	6157.7	7066.7	7434.5	7698.2	8107.7
17.5°	1813.5	1871.4	2105.0	2727.2	3671.0	4855.4	6072.1	7113.0	7506.2	7751.4	8036.0
20°	1721.0	1730.3	1795.0	2223.0	3250.0	4654.1	5991.1	7159.3	7573.3	7779.2	7864.8
22.5°	1647.0	1647.0	1663.2	1818.2	2706.4	4413.5	5965.7	7240.2	7665.9	7793.1	7617.3
25°	1579.9	1579.9	1584.5	1626.2	2144.3	4045.7	5949.5	7365.1	7793.1	7827.8	7344.3
27.5°	1510.5	1512.8	1512.8	1535.9	1727.9	3546.1	5880.1	7527.1	7945.8	7874.0	7082.9
30°	1441.1	1445.7	1445.7	1461.9	1529.0	2960.9	5743.6	7721.4	8144.7	7934.2	6823.9
32.5°	1371.7	1376.3	1376.3	1390.2	1438.8	2364.1	5572.4	7899.5	8345.9	7959.6	6583.3
35°	1300.0	1306.9	1302.3	1320.8	1371.7	1880.6	5355.0	8077.6	8563.4	8040.6	6465.3
37.5°	1228.3	1232.9	1230.6	1249.1	1306.9	1623.8	5102.9	8211.8	8859.5	8221.0	6606.4
40°	1156.6	1154.3	1154.3	1175.1	1237.5	1549.8	4786.0	8424.6	9285.1	8537.9	7221.7
42.5°	1082.6	1082.6	1077.9	1101.1	1177.4	1494.3	4482.9	8806.3	9905.0	9042.2	8313.5
45°	1015.5	1013.2	1003.9	1024.7	1119.6	1397.2	4376.5	9518.7	10821.0	9858.7	9634.4
47.5°	950.7	948.4	925.3	943.8	1050.2	1309.3	4774.4	10684.5	12091.0	11059.3	10871.9
50°	892.9	895.2	851.2	867.4	980.8	1242.2	5637.2	12197.4	13777.3	12676.2	12044.7
52.5°	839.7	839.7	781.9	791.1	895.2	1182.0	6458.4	13837.4	16002.5	14931.5	13411.8
55°	786.5	781.9	717.1	721.7	809.6	1096.4	6581.0	15438.1	19037.4	18325.0	15280.8
57.5°	726.3	717.1	656.9	656.9	731.0	1034.0	5704.3	16668.7	22803.3	23312.2	17975.7
60°	652.3	645.4	606.1	594.5	668.5	1089.5	4024.9	16812.1	25232.1	29944.0	23136.4
62.5°	557.5	566.7	545.9	529.7	608.4	1131.1	2384.9	15657.9	24644.5	32053.6	29317.2
65°	439.5	476.5	471.9	460.3	668.5	953.0	1408.7	13441.9	22842.6	30351.1	28056.5
67.5°	374.7	400.2	393.2	393.2	700.9	724.0	885.9	10501.8	20362.9	28331.7	25060.9
70°	319.2	344.7	319.2	319.2	529.7	439.5	613.0	7332.8	17686.5	26097.2	23094.7
72.5°	263.7	289.1	261.4	242.9	423.3	328.5	448.8	4582.4	15146.7	23770.2	21748.5
75°	201.2	231.3	210.5	187.4	279.9	245.2	340.0	2662.5	12549.0	20337.4	19830.8
77.5°	127.2	166.5	157.3	131.9	205.9	178.1	245.2	1584.5	9682.9	15891.5	17057.3
80°	78.6	85.6	87.9	83.3	118.0	120.3	166.5	902.1	6627.2	11075.5	13326.2
82.5°	50.9	50.9	39.3	44.0	57.8	69.4	94.8	340.0	3895.4	6742.9	9275.8
85°	37.0	32.4	20.8	20.8	27.8	34.7	37.0	104.1	1579.9	2662.5	3627.1
87.5°	18.5	16.2	6.9	9.3	13.9	11.6	9.3	4.6	397.9	851.2	596.8
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: P954123

CATALOG NUMBER: GALN-SB7C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5	4649.5
2.5°	5382.8	5454.5	5459.1	5459.1	5396.6	5394.3	5267.1	5253.2
5°	6338.1	6384.4	6395.9	6372.8	6247.9	6155.4	5907.8	5854.6
7.5°	7212.5	7305.0	7305.0	7249.5	7045.9	6856.2	6497.7	6363.5
10°	7911.1	8017.5	7994.3	7881.0	7624.2	7362.8	6928.0	6752.2
12.5°	8251.1	8359.8	8299.7	8170.1	7920.3	7645.0	7187.0	6988.1
15°	8244.2	8214.1	8151.6	8135.4	8015.1	7807.0	7379.0	7161.6
17.5°	7950.4	7695.9	7647.4	7809.3	7961.9	7911.1	7545.6	7342.0
20°	7485.4	7041.3	6997.3	7307.3	7742.2	7964.3	7700.6	7513.2
22.5°	6995.0	6516.2	6414.4	6756.8	7411.4	7980.4	7897.2	7709.8
25°	6530.1	6048.9	5947.2	6266.4	7043.6	7952.7	8110.0	7950.4
27.5°	6141.5	5676.5	5581.7	5900.9	6689.7	7874.0	8322.8	8209.5
30°	5840.8	5410.5	5341.1	5648.8	6384.4	7776.9	8593.4	8531.0
32.5°	5665.0	5350.4	5375.8	5628.0	6220.1	7670.5	8852.5	8882.6
35°	5838.4	5852.3	6074.4	6178.5	6372.8	7654.3	9204.1	9322.1
37.5°	6701.3	7182.4	7642.7	7557.1	7119.9	7841.7	9729.2	9949.0
40°	8170.1	9157.9	9905.0	9578.9	8477.8	8415.3	10485.6	10814.1
42.5°	9965.2	11639.9	12870.5	11996.1	10228.9	9419.2	11565.9	11984.6
45°	11859.6	14700.2	16638.7	14820.5	12095.6	10825.7	13201.3	13529.8
47.5°	13855.9	18419.8	20927.3	17952.5	13825.8	12426.4	15431.2	15507.5
50°	16039.5	22497.9	25299.2	21082.3	15495.9	14260.7	18156.1	18068.2
52.5°	18119.1	26691.7	29578.5	24225.9	16962.5	16536.9	21318.2	21137.8
55°	20103.8	30883.2	33883.4	27246.9	18345.8	19544.0	25074.8	23983.0
57.5°	22405.4	34651.3	38320.0	30281.8	20279.6	23448.6	29275.5	25634.6
60°	25808.1	38933.0	43337.3	34440.8	23957.5	27552.2	30781.4	25320.0
62.5°	30152.2	42870.0	46985.2	38516.7	27651.7	28324.8	28563.1	22895.8
65°	30996.5	43867.0	47191.1	39606.2	27175.2	24026.9	23319.1	18403.6
67.5°	28757.4	42065.1	44313.5	37577.5	24038.5	18567.8	17499.2	13351.6
70°	26245.3	38630.0	39298.5	34128.6	21142.4	13657.0	11818.0	8568.0
72.5°	23670.7	34047.6	32664.3	29638.7	18581.7	9944.3	8524.0	6090.6
75°	20612.7	28021.8	25729.4	24626.0	15384.9	7804.6	6166.9	4203.0
77.5°	16506.8	19724.4	19111.4	19088.3	11561.2	5702.0	4115.1	2634.7
80°	11644.5	12801.1	12488.8	14376.4	7756.1	4136.0	2477.4	1466.6
82.5°	5637.2	7078.3	7265.7	8561.1	3772.8	2433.5	571.4	319.2
85°	2206.8	3414.2	2879.9	3250.0	1059.4	677.8	13.9	0.0
87.5°	247.5	395.6	363.2	286.8	129.5	27.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)