

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: P954837

Luminaire Tested: **GALN-SB8A-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954837
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-SB8A-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

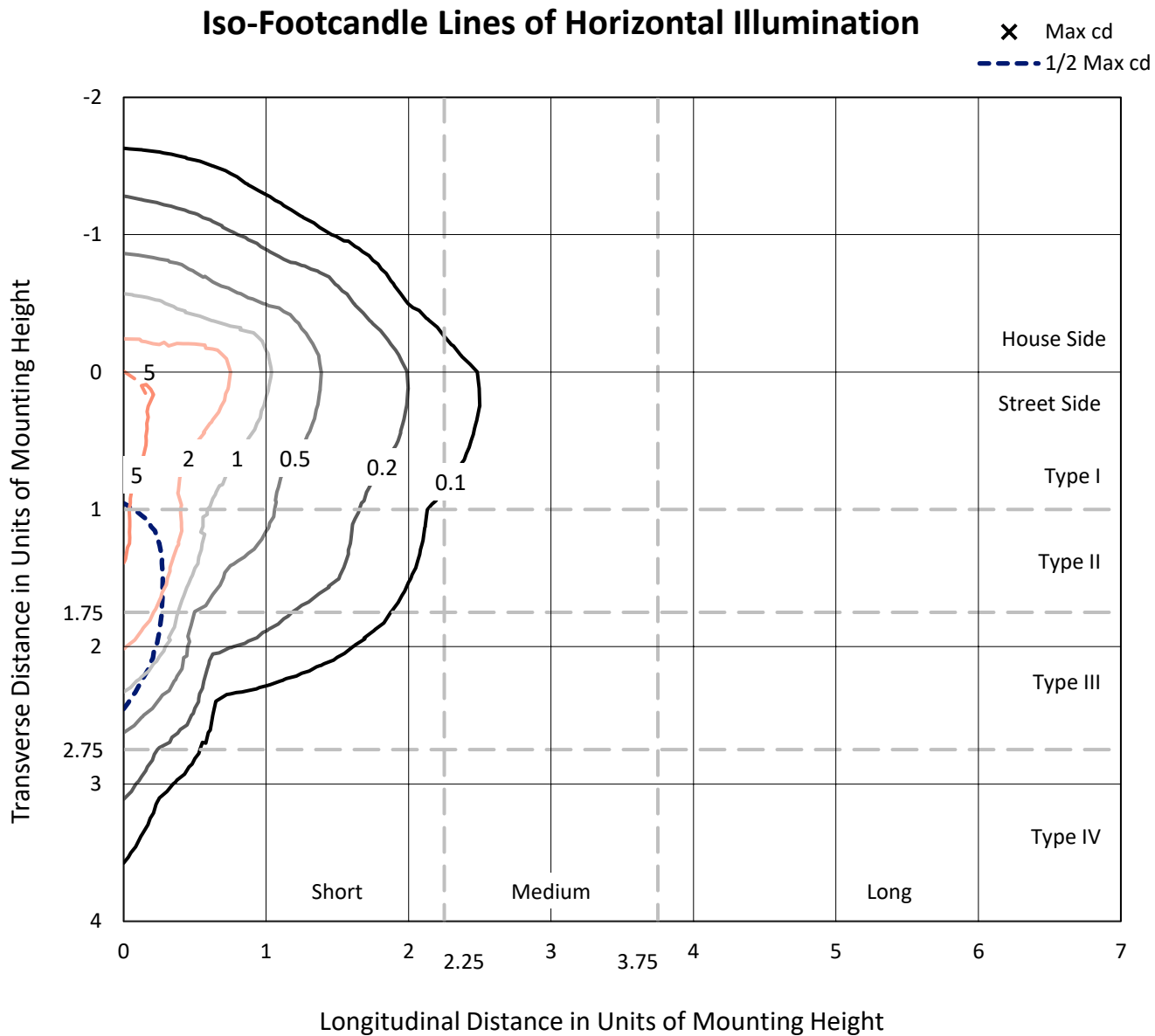
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22869 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 227.1
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

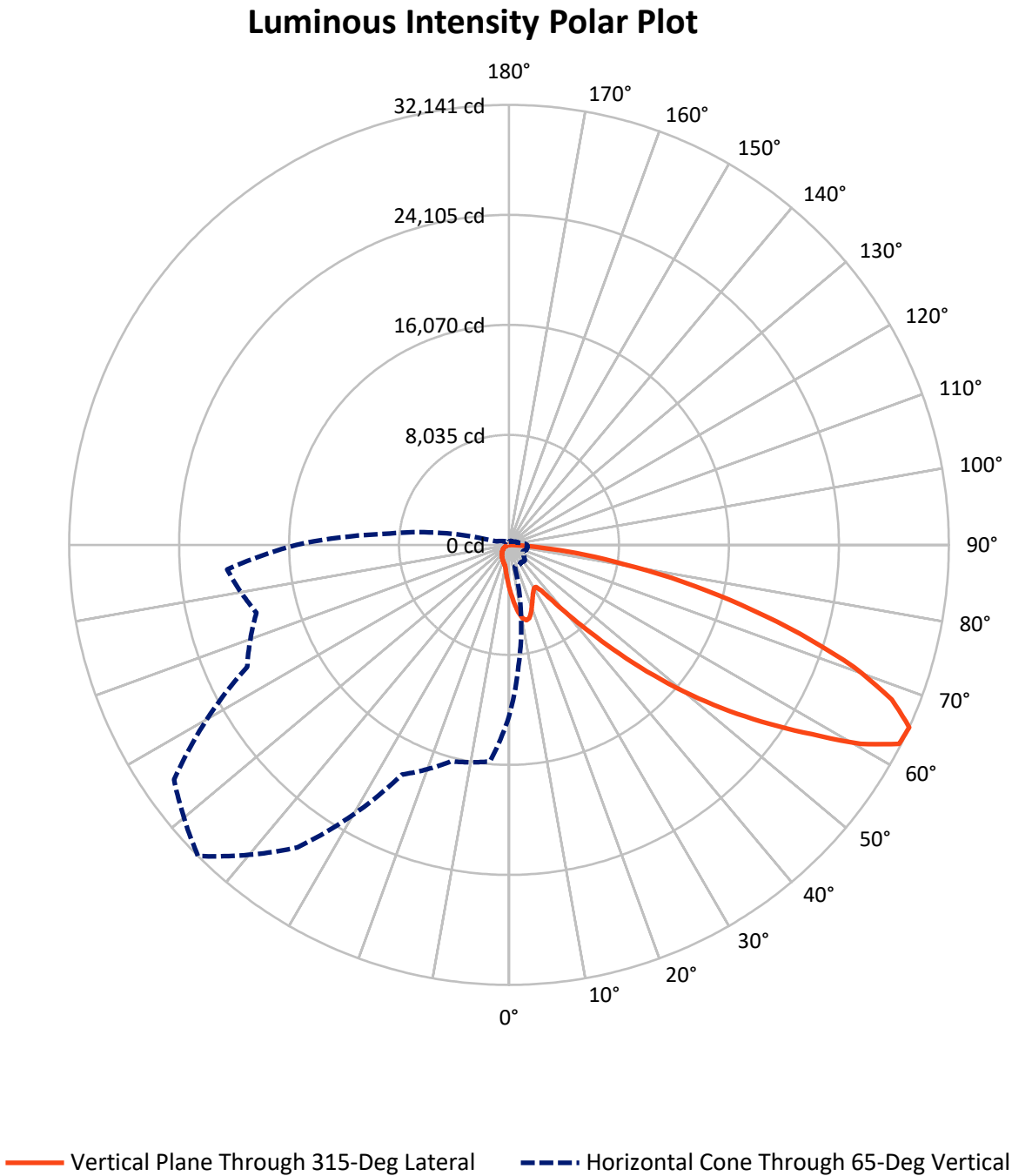


REPORT NUMBER: P954837
CATALOG NUMBER: GALN-SB8A-722-U-SLR-HSS



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type IV - Short - N/A

REPORT NUMBER: P954837
CATALOG NUMBER: GALN-SB8A-722-U-SLR-HSS



REPORT NUMBER: P954837

CATALOG NUMBER: GALN-SB8A-722-U-SLR-HSS

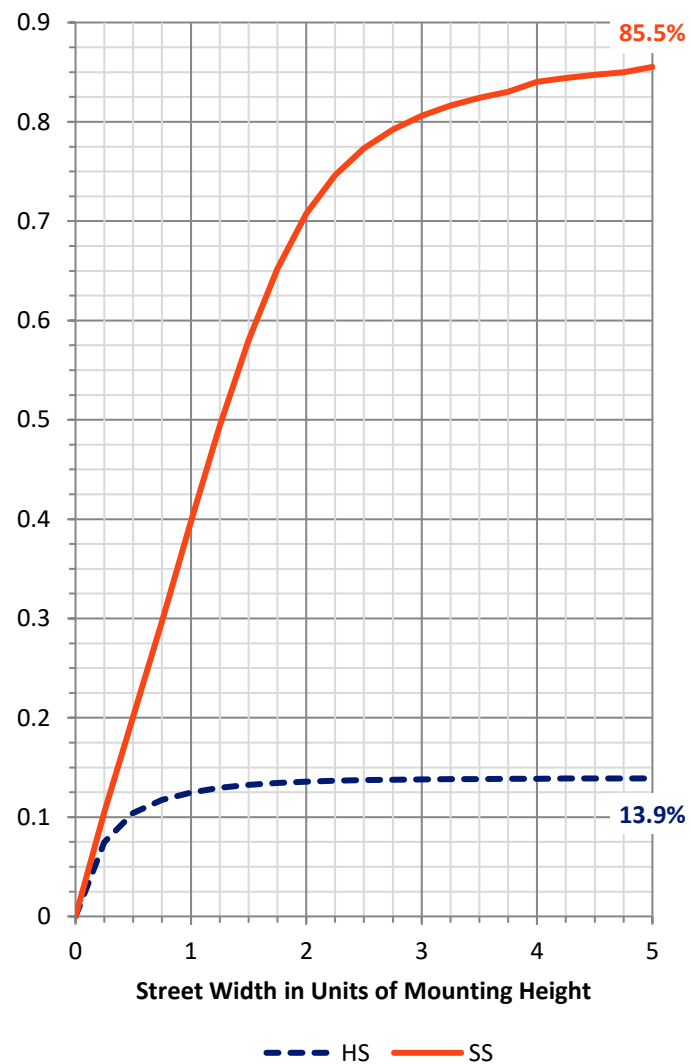
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3202.6	0.0	3202.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	19666.4	0.0	19666.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	22869.0	0.0	22869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.8	1.4
10°-20°	934.6	4.1
20°-30°	1376.8	6.0
30°-40°	1768.8	7.7
40°-50°	2860.8	12.5
50°-60°	5016.6	21.9
60°-70°	6277.1	27.4
70°-80°	3668.1	16.0
80°-90°	654.4	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°	22869.0	100.0
0°-180°	22869.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954837

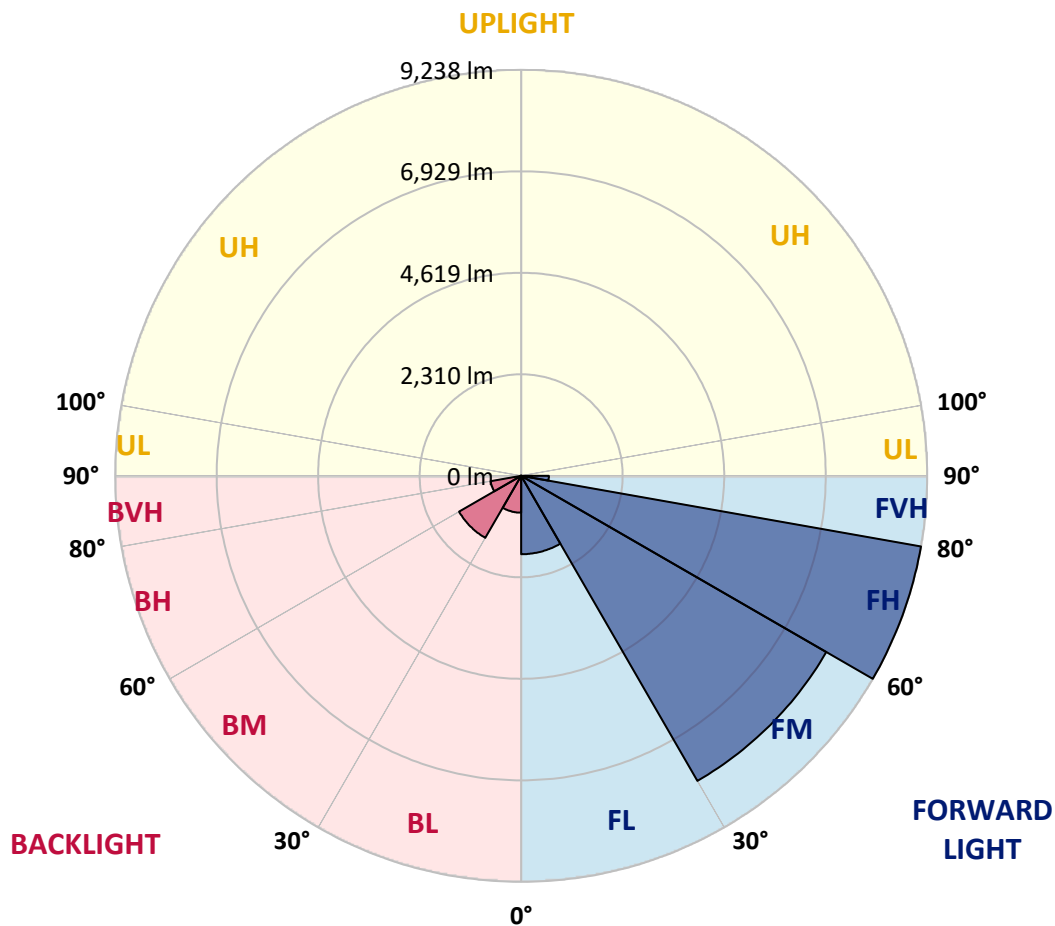
CATALOG NUMBER: GALN-SB8A-722-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1783.7	7.8			
FM	(30°-60°)	8015.3	35.0			
FH	(60°-80°)	9238.0	40.4			G4/12000
FVH	(80°-90°)	629.3	2.8			G4/750
BL	(0°-30°)	839.5	3.7	B2/1000		
BM	(30°-60°)	1630.9	7.1	B2/2500		
BH	(60°-80°)	707.2	3.1	B2/1000		G2/1000
BVH	(80°-90°)	25.1	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-G4

Type IV Short



REPORT NUMBER: P954837

CATALOG NUMBER: GALN-SB8A-722-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6
2.5°	3577.8	3516.4	3480.1	3390.3	3300.5	3228.1	3130.4	3065.8	2988.6	2914.6	2848.4
5°	3987.4	3888.2	3768.4	3604.6	3454.9	3302.1	3154.0	3007.5	2853.1	2711.3	2624.7
7.5°	4334.0	4190.7	3979.5	3762.1	3571.5	3387.2	3213.9	3020.1	2832.6	2610.5	2492.3
10°	4598.7	4415.9	4138.7	3853.5	3634.5	3448.6	3280.1	3116.2	2927.2	2659.3	2511.2
12.5°	4759.4	4564.0	4234.8	3900.8	3650.3	3442.3	3311.6	3239.1	3165.0	2898.8	2725.5
15°	4877.5	4666.4	4302.5	3933.9	3614.0	3358.8	3262.7	3335.2	3420.3	3250.1	3050.0
17.5°	5000.4	4778.3	4390.7	3948.0	3516.4	3196.6	3155.6	3343.1	3540.0	3532.1	3333.6
20°	5117.0	4896.5	4467.9	3938.6	3358.8	2999.6	3035.9	3275.3	3503.8	3599.9	3492.7
22.5°	5250.9	5017.8	4542.0	3902.4	3154.0	2815.3	2928.7	3168.2	3368.3	3481.7	3448.6
25°	5414.8	5170.6	4646.0	3848.8	2933.5	2662.5	2820.0	3043.7	3206.0	3284.8	3283.2
27.5°	5591.2	5353.3	4784.6	3820.4	2755.4	2553.8	2697.1	2895.6	3040.6	3095.7	3095.7
30°	5810.2	5566.0	4948.4	3788.9	2638.9	2490.8	2569.5	2723.9	2865.7	2920.9	2920.9
32.5°	6049.7	5802.3	5106.0	3713.3	2568.0	2443.5	2445.1	2542.8	2671.9	2738.1	2747.6
35°	6349.0	6085.9	5274.6	3547.9	2511.2	2388.4	2323.8	2371.0	2478.2	2556.9	2577.4
37.5°	6775.9	6457.7	5480.9	3311.6	2427.7	2303.3	2196.2	2207.2	2289.1	2375.8	2407.3
40°	7365.2	6957.1	5723.6	3065.8	2308.0	2183.6	2055.9	2051.2	2111.1	2196.2	2230.8
42.5°	8162.3	7617.2	6015.0	2831.1	2193.0	2038.6	1907.9	1900.0	1947.2	2021.3	2057.5
45°	9214.7	8461.7	6372.6	2629.4	2103.2	1896.8	1767.6	1764.5	1803.9	1868.5	1906.3
47.5°	10561.7	9635.4	6730.3	2492.3	2055.9	1785.0	1652.6	1658.9	1693.6	1751.9	1778.7
50°	12305.7	11165.1	6839.0	2423.0	2055.9	1725.1	1550.2	1581.7	1610.1	1654.2	1670.0
52.5°	14396.3	12633.4	6479.8	2360.0	2068.5	1733.0	1463.6	1531.3	1551.8	1589.6	1595.9
55°	16334.1	13353.4	5570.7	2273.4	2071.7	1781.8	1389.5	1490.4	1528.2	1542.4	1540.8
57.5°	17459.0	13106.0	4504.2	2126.8	2059.1	1814.9	1342.3	1439.9	1512.4	1521.9	1507.7
60°	17244.7	12238.0	3316.3	2015.0	1966.1	1802.3	1328.1	1362.8	1477.8	1491.9	1473.0
62.5°	15593.7	10782.3	2301.7	1928.3	1761.3	1747.2	1323.4	1241.4	1402.1	1436.8	1410.0
65°	12534.2	8488.4	1625.8	1660.5	1543.9	1627.4	1298.2	1115.4	1310.8	1358.0	1317.1
67.5°	9093.4	5744.0	1173.7	1345.4	1399.0	1433.6	1241.4	1024.0	1206.8	1269.8	1216.2
70°	5835.4	3102.0	824.0	888.5	1178.4	1217.8	1143.8	942.1	1101.2	1173.7	1115.4
72.5°	4148.1	1832.2	592.4	622.3	946.8	1014.6	1006.7	850.7	978.3	1066.6	997.3
75°	2862.6	1009.9	400.2	444.3	686.9	824.0	776.7	731.0	828.7	918.5	850.7
77.5°	1794.4	452.1	239.5	308.8	450.6	647.5	532.5	565.6	645.9	729.4	658.5
80°	998.8	174.9	133.9	204.8	245.8	471.1	294.6	363.9	475.8	535.6	478.9
82.5°	217.4	22.1	59.9	88.2	96.1	274.1	156.0	211.1	299.3	294.6	255.2
85°	0.0	0.0	11.0	12.6	6.3	118.2	56.7	69.3	97.7	91.4	69.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	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: P954837

CATALOG NUMBER: GALN-SB8A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6
2.5°	2835.8	2758.6	2701.9	2673.5	2649.9	2671.9	2684.5	2684.5	2738.1	2769.6	2782.2
5°	2569.5	2430.9	2325.3	2254.4	2211.9	2226.1	2241.8	2259.2	2326.9	2372.6	2402.5
7.5°	2385.2	2172.5	2011.8	1912.6	1860.6	1868.5	1879.5	1893.7	1959.8	2005.5	2044.9
10°	2350.5	2044.9	1818.1	1687.3	1624.3	1613.2	1606.9	1602.2	1641.6	1676.3	1707.8
12.5°	2492.3	2051.2	1734.6	1575.4	1498.2	1465.2	1427.3	1397.4	1403.7	1425.8	1465.2
15°	2746.0	2131.6	1707.8	1517.1	1421.0	1365.9	1321.8	1285.6	1277.7	1285.6	1291.9
17.5°	3035.9	2240.3	1704.6	1466.7	1347.0	1290.3	1254.0	1221.0	1209.9	1211.5	1219.4
20°	3228.1	2326.9	1695.2	1410.0	1276.1	1225.7	1194.2	1161.1	1150.1	1153.2	1154.8
22.5°	3247.0	2372.6	1681.0	1347.0	1205.2	1162.7	1131.2	1101.2	1099.7	1099.7	1109.1
25°	3144.6	2372.6	1651.1	1290.3	1137.5	1099.7	1071.3	1035.1	1041.4	1044.5	1057.1
27.5°	2985.4	2315.9	1594.3	1244.6	1079.2	1039.8	1011.4	978.3	986.2	990.9	1005.1
30°	2827.9	2243.4	1526.6	1192.6	1024.0	978.3	957.9	929.5	932.7	939.0	954.7
32.5°	2681.4	2166.2	1446.2	1150.1	968.9	923.2	907.5	875.9	880.7	887.0	904.3
35°	2536.5	2081.1	1351.7	1099.7	918.5	872.8	860.2	824.0	827.1	836.6	855.5
37.5°	2380.5	1991.4	1274.5	1049.2	869.6	822.4	809.8	772.0	775.1	786.1	808.2
40°	2216.6	1903.1	1198.9	995.7	817.7	770.4	759.4	718.4	721.5	734.2	757.8
42.5°	2051.2	1807.0	1140.6	926.4	764.1	713.7	702.6	664.8	669.6	683.7	707.4
45°	1898.4	1692.0	1102.8	849.2	713.7	657.0	645.9	611.3	620.7	636.5	660.1
47.5°	1767.6	1573.9	1087.1	784.6	660.1	598.7	589.2	560.9	576.6	593.9	612.8
50°	1655.8	1460.4	1066.6	718.4	609.7	548.3	538.8	519.9	540.4	557.7	575.0
52.5°	1575.4	1331.2	1022.5	658.5	565.6	505.7	502.6	493.1	512.0	527.8	543.5
55°	1506.1	1197.3	951.6	606.5	526.2	469.5	472.6	467.9	483.7	496.3	510.4
57.5°	1443.1	1080.7	861.8	565.6	483.7	438.0	447.4	441.1	449.0	456.9	474.2
60°	1367.5	962.6	754.6	519.9	433.2	406.5	417.5	400.2	398.6	401.7	406.5
62.5°	1255.6	803.5	642.8	463.2	389.1	371.8	376.5	343.4	318.2	318.2	323.0
65°	1099.7	645.9	538.8	400.2	338.7	324.5	321.4	274.1	239.5	236.3	250.5
67.5°	918.5	530.9	447.4	337.1	282.0	272.6	275.7	241.0	206.4	203.2	219.0
70°	748.3	439.5	360.8	269.4	217.4	226.9	241.0	206.4	173.3	168.6	182.8
72.5°	608.1	349.7	282.0	206.4	160.7	187.5	204.8	168.6	137.1	133.9	146.5
75°	469.5	256.8	201.7	140.2	116.6	144.9	160.7	122.9	97.7	93.0	104.0
77.5°	313.5	159.1	113.4	88.2	69.3	99.3	107.1	64.6	56.7	55.1	63.0
80°	190.6	74.0	48.8	42.5	23.6	36.2	42.5	26.8	29.9	31.5	37.8
82.5°	96.1	20.5	7.9	1.6	0.0	0.0	12.6	6.3	12.6	15.8	23.6
85°	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.9	14.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
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: P954837

CATALOG NUMBER: GALN-SB8A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6
2.5°	2870.4	2936.6	2999.6	3100.5	3204.4	3306.8	3410.8	3511.6	3547.9	3574.7	3634.5
5°	2539.6	2664.1	2809.0	3009.1	3223.3	3443.9	3667.6	3872.4	3965.4	4028.4	4170.2
7.5°	2197.7	2360.0	2568.0	2868.9	3204.4	3555.8	3907.1	4230.0	4379.7	4501.0	4716.9
10°	1859.0	2035.5	2298.6	2642.0	3095.7	3599.9	4085.1	4529.4	4723.2	4876.0	5169.0
12.5°	1561.3	1726.7	2002.4	2382.1	2925.6	3565.2	4187.5	4721.6	4950.0	5121.7	5443.1
15°	1351.7	1468.3	1712.5	2122.1	2723.9	3453.4	4193.8	4813.0	5063.4	5243.0	5521.9
17.5°	1235.1	1274.5	1433.6	1857.4	2500.2	3306.8	4135.5	4844.5	5112.3	5279.3	5473.1
20°	1172.1	1178.4	1222.5	1514.0	2213.5	3169.8	4080.4	4876.0	5158.0	5298.2	5356.5
22.5°	1121.7	1121.7	1132.7	1238.3	1843.3	3005.9	4063.0	4931.1	5221.0	5307.6	5187.9
25°	1076.0	1076.0	1079.2	1107.5	1460.4	2755.4	4052.0	5016.2	5307.6	5331.3	5002.0
27.5°	1028.8	1030.3	1030.3	1046.1	1176.9	2415.1	4004.8	5126.5	5411.6	5362.8	4824.0
30°	981.5	984.6	984.6	995.7	1041.4	2016.6	3911.8	5258.8	5547.1	5403.7	4647.5
32.5°	934.2	937.4	937.4	946.8	979.9	1610.1	3795.2	5380.1	5684.2	5421.1	4483.7
35°	885.4	890.1	887.0	899.6	934.2	1280.8	3647.1	5501.4	5832.3	5476.2	4403.3
37.5°	836.6	839.7	838.1	850.7	890.1	1106.0	3475.4	5592.8	6033.9	5599.1	4499.4
40°	787.7	786.1	786.1	800.3	842.9	1055.5	3259.6	5737.7	6323.8	5814.9	4918.5
42.5°	737.3	737.3	734.2	749.9	801.9	1017.7	3053.2	5997.7	6746.0	6158.4	5662.1
45°	691.6	690.0	683.7	697.9	762.5	951.6	2980.7	6482.9	7369.9	6714.5	6561.7
47.5°	647.5	645.9	630.2	642.8	715.2	891.7	3251.7	7276.9	8234.8	7532.2	7404.5
50°	608.1	609.7	579.8	590.8	668.0	846.0	3839.3	8307.3	9383.3	8633.4	8203.3
52.5°	571.9	571.9	532.5	538.8	609.7	805.0	4398.6	9424.3	10898.9	10169.4	9134.4
55°	535.6	532.5	488.4	491.5	551.4	746.8	4482.1	10514.5	12965.8	12480.6	10407.3
57.5°	494.7	488.4	447.4	447.4	497.8	704.2	3885.0	11352.6	15530.6	15877.2	12242.7
60°	444.3	439.5	412.8	404.9	455.3	742.0	2741.3	11450.3	17184.8	20394.0	15757.5
62.5°	379.7	386.0	371.8	360.8	414.3	770.4	1624.3	10664.1	16784.7	21830.8	19967.1
65°	299.3	324.5	321.4	313.5	455.3	649.1	959.4	9154.9	15557.4	20671.3	19108.5
67.5°	255.2	272.6	267.8	267.8	477.4	493.1	603.4	7152.5	13868.6	19295.9	17068.3
70°	217.4	234.7	217.4	217.4	360.8	299.3	417.5	4994.1	12045.8	17774.1	15729.1
72.5°	179.6	196.9	178.0	165.4	288.3	223.7	305.6	3120.9	10315.9	16189.2	14812.2
75°	137.1	157.5	143.4	127.6	190.6	167.0	231.6	1813.3	8546.7	13851.2	13506.2
77.5°	86.6	113.4	107.1	89.8	140.2	121.3	167.0	1079.2	6594.8	10823.2	11617.3
80°	53.6	58.3	59.9	56.7	80.3	81.9	113.4	614.4	4513.6	7543.2	9076.1
82.5°	34.7	34.7	26.8	29.9	39.4	47.3	64.6	231.6	2653.0	4592.4	6317.5
85°	25.2	22.1	14.2	14.2	18.9	23.6	25.2	70.9	1076.0	1813.3	2470.3
87.5°	12.6	11.0	4.7	6.3	9.5	7.9	6.3	3.2	271.0	579.8	406.5
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: P954837

CATALOG NUMBER: GALN-SB8A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6
2.5°	3666.0	3714.9	3718.0	3718.0	3675.5	3673.9	3587.3	3577.8
5°	4316.7	4348.2	4356.1	4340.3	4255.3	4192.2	4023.7	3987.4
7.5°	4912.2	4975.2	4975.2	4937.4	4798.8	4669.6	4425.4	4334.0
10°	5388.0	5460.5	5444.7	5367.5	5192.6	5014.6	4718.4	4598.7
12.5°	5619.6	5693.6	5652.7	5564.4	5394.3	5206.8	4894.9	4759.4
15°	5614.9	5594.4	5551.8	5540.8	5458.9	5317.1	5025.6	4877.5
17.5°	5414.8	5241.5	5208.4	5318.7	5422.6	5388.0	5139.1	5000.4
20°	5098.1	4795.6	4765.7	4976.8	5273.0	5424.2	5244.6	5117.0
22.5°	4764.1	4438.0	4368.7	4601.8	5047.7	5435.3	5378.5	5250.9
25°	4447.5	4119.8	4050.4	4267.9	4797.2	5416.3	5523.5	5414.8
27.5°	4182.8	3866.1	3801.5	4018.9	4556.2	5362.8	5668.4	5591.2
30°	3978.0	3684.9	3637.7	3847.2	4348.2	5296.6	5852.7	5810.2
32.5°	3858.2	3644.0	3661.3	3833.0	4236.3	5224.1	6029.2	6049.7
35°	3976.4	3985.9	4137.1	4208.0	4340.3	5213.1	6268.7	6349.0
37.5°	4564.0	4891.7	5205.2	5146.9	4849.2	5340.7	6626.3	6775.9
40°	5564.4	6237.1	6746.0	6523.9	5774.0	5731.4	7141.4	7365.2
42.5°	6787.0	7927.6	8765.7	8170.2	6966.6	6415.2	7877.2	8162.3
45°	8077.3	10011.9	11332.1	10093.8	8238.0	7373.0	8991.0	9214.7
47.5°	9436.9	12545.2	14253.0	12227.0	9416.4	8463.2	10509.7	10561.7
50°	10924.1	15322.7	17230.5	14358.5	10553.8	9712.6	12365.6	12305.7
52.5°	12340.4	18178.9	20145.1	16499.5	11552.7	11262.8	14519.2	14396.3
55°	13692.1	21033.6	23077.0	18557.1	12494.8	13310.9	17077.7	16334.1
57.5°	15259.7	23600.0	26098.7	20624.0	13811.8	15970.2	19938.7	17459.0
60°	17577.1	26516.1	29515.8	23456.7	16316.8	18765.0	20964.3	17244.7
62.5°	20535.8	29197.5	32000.2	26232.6	18832.8	19291.2	19453.5	15593.7
65°	21110.8	29876.6	32140.5	26974.6	18508.2	16364.0	15882.0	12534.2
67.5°	19585.8	28649.3	30180.6	25592.9	16371.9	12646.0	11918.2	9093.4
70°	17874.9	26309.8	26765.1	23244.0	14399.5	9301.4	8048.9	5835.4
72.5°	16121.4	23188.8	22246.7	20186.1	12655.5	6772.8	5805.5	4148.1
75°	14038.7	19084.8	17523.6	16772.1	10478.2	5315.5	4200.1	2862.6
77.5°	11242.3	13433.7	13016.2	13000.5	7874.0	3883.4	2802.7	1794.4
80°	7930.7	8718.5	8505.8	9791.3	5282.4	2816.9	1687.3	998.8
82.5°	3839.3	4820.8	4948.4	5830.7	2569.5	1657.4	389.1	217.4
85°	1503.0	2325.3	1961.4	2213.5	721.5	461.6	9.5	0.0
87.5°	168.6	269.4	247.3	195.4	88.2	18.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)