

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: P951351

Luminaire Tested: **GALN-SB5C-740-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951351
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-SB5C-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 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: 30546 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

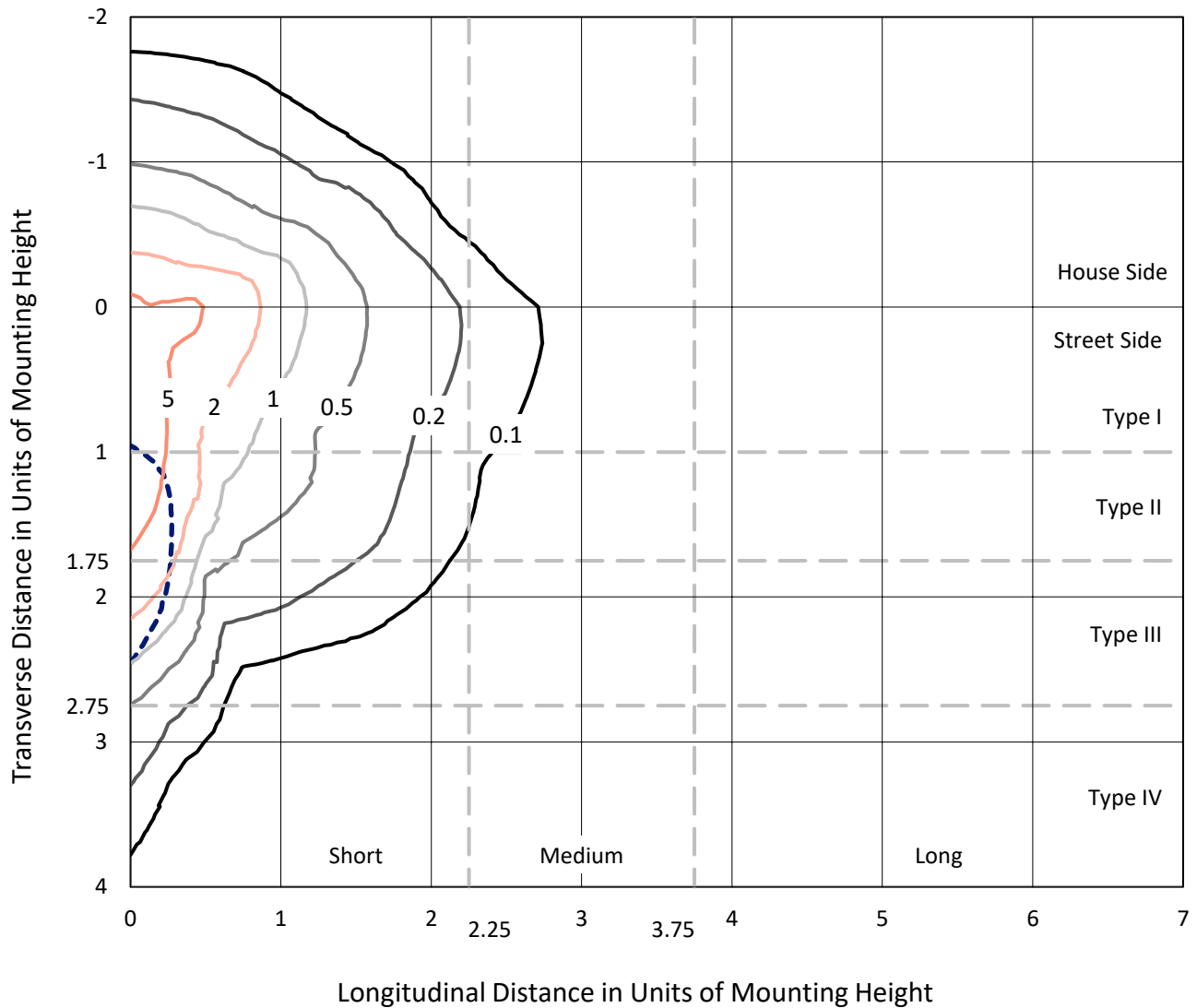
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951351
 CATALOG NUMBER: GALN-SB5C-740-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

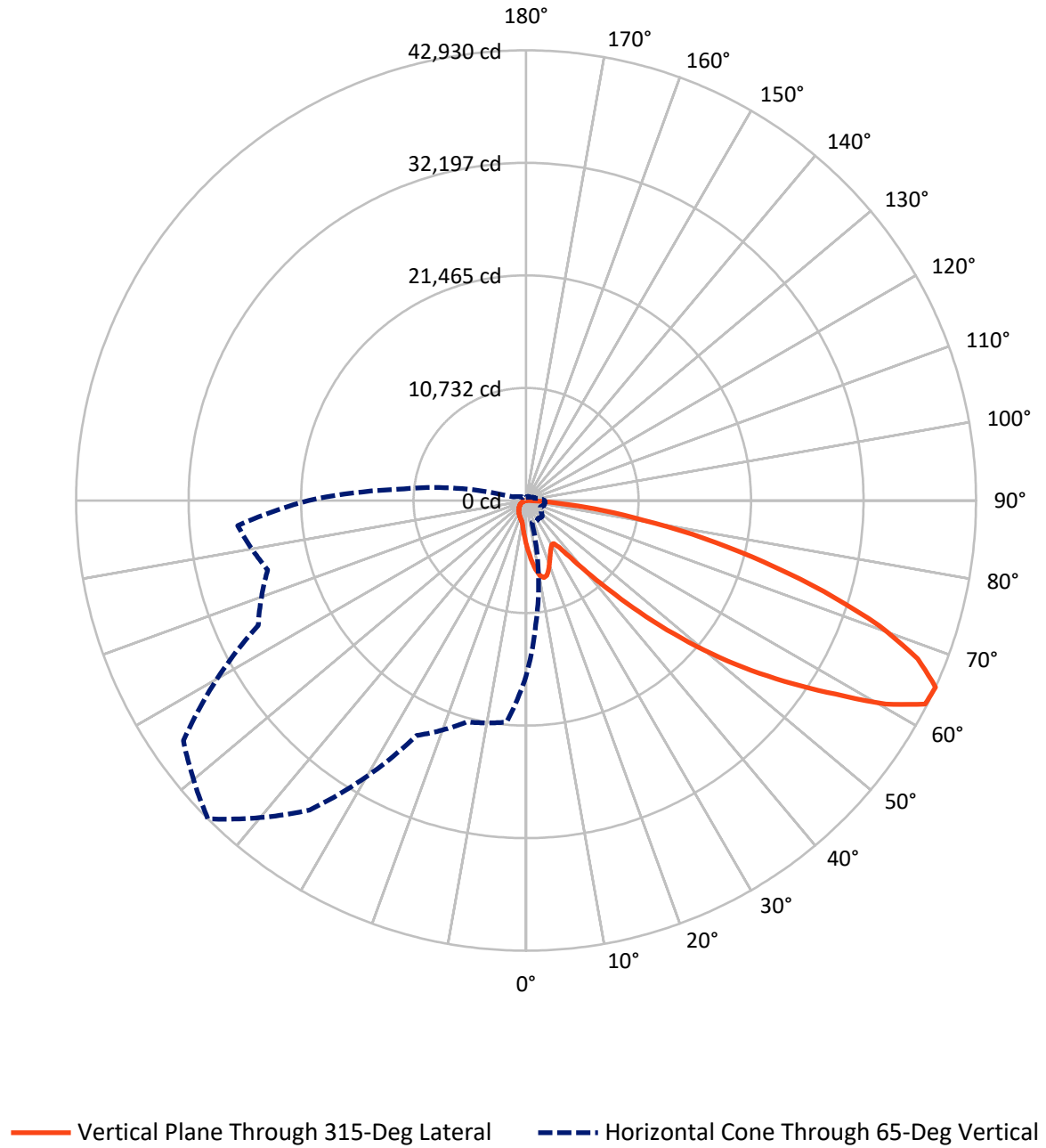
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P951351
CATALOG NUMBER: GALN-SB5C-740-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P951351
 CATALOG NUMBER: GALN-SB5C-740-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4277.7	0.0	4277.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	26268.3	0.0	26268.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	30546.0	0.0	30546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.4	1.4
10°-20°	1248.3	4.1
20°-30°	1839.0	6.0
30°-40°	2362.6	7.7
40°-50°	3821.1	12.5
50°-60°	6700.6	21.9
60°-70°	8384.3	27.4
70°-80°	4899.4	16.0
80°-90°	874.1	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°	30546.0	100.0
0°-180°	30546.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951351

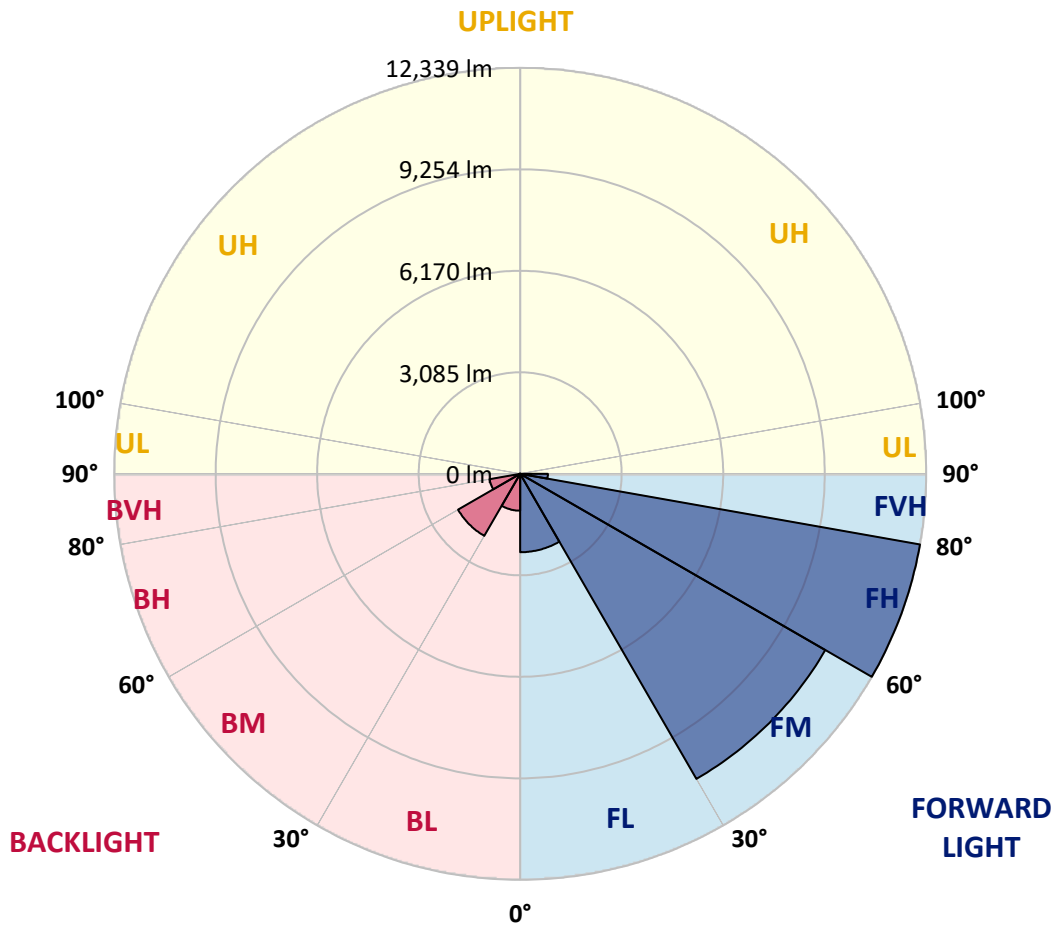
CATALOG NUMBER: GALN-SB5C-740-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2382.5	7.8			
FM (30°-60°)	10706.0	35.0			
FH (60°-80°)	12339.2	40.4			G5
FVH (80°-90°)	840.5	2.8			G5
BL (0°-30°)	1121.3	3.7	B3/2500		
BM (30°-60°)	2178.3	7.1	B2/2500		
BH (60°-80°)	944.6	3.1	B2/1000		G2/1000
BVH (80°-90°)	33.6	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: P951351
 CATALOG NUMBER: GALN-SB5C-740-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6
2.5°	4778.9	4696.8	4648.4	4528.5	4408.5	4311.7	4181.2	4095.0	3991.9	3893.0
5°	5326.0	5193.4	5033.5	4814.6	4614.7	4410.6	4212.8	4017.1	3810.9	3621.5
7.5°	5788.9	5597.4	5315.5	5025.1	4770.4	4524.2	4292.8	4033.9	3783.5	3486.8
10°	6142.5	5898.4	5528.0	5147.1	4854.6	4606.3	4381.2	4162.3	3909.8	3552.1
12.5°	6357.1	6096.2	5656.4	5210.2	4875.7	4597.9	4423.2	4326.4	4227.5	3871.9
15°	6514.9	6232.9	5746.8	5254.4	4827.3	4486.4	4358.0	4454.8	4568.4	4341.2
17.5°	6679.0	6382.3	5864.7	5273.4	4696.8	4269.6	4214.9	4465.3	4728.4	4717.8
20°	6834.8	6540.2	5967.8	5260.8	4486.4	4006.6	4055.0	4374.8	4680.0	4808.3
22.5°	7013.6	6702.2	6066.7	5212.4	4212.8	3760.4	3911.9	4231.7	4499.0	4650.5
25°	7232.5	6906.3	6205.6	5140.8	3918.2	3556.3	3766.7	4065.5	4282.3	4387.5
27.5°	7468.2	7150.4	6390.8	5102.9	3680.4	3411.1	3602.6	3867.7	4061.3	4135.0
30°	7760.7	7434.5	6609.6	5060.8	3524.7	3326.9	3432.1	3638.3	3827.7	3901.4
32.5°	8080.5	7750.1	6820.0	4959.8	3430.0	3263.8	3265.9	3396.3	3568.9	3657.3
35°	8480.3	8128.9	7045.2	4738.9	3354.3	3190.1	3103.8	3167.0	3310.1	3415.3
37.5°	9050.6	8625.5	7320.9	4423.2	3242.7	3076.5	2933.4	2948.1	3057.5	3173.3
40°	9837.6	9292.6	7644.9	4095.0	3082.8	2916.6	2746.1	2739.8	2819.8	2933.4
42.5°	10902.4	10174.3	8034.2	3781.4	2929.2	2723.0	2548.3	2537.8	2600.9	2699.8
45°	12308.1	11302.2	8511.9	3512.1	2809.2	2533.6	2361.0	2356.8	2409.4	2495.7
47.5°	14107.2	12869.9	8989.6	3329.0	2746.1	2384.2	2207.4	2215.8	2262.1	2340.0
50°	16436.7	14913.2	9134.8	3236.4	2746.1	2304.2	2070.6	2112.7	2150.6	2209.5
52.5°	19229.1	16874.4	8655.0	3152.2	2762.9	2314.7	1954.9	2045.4	2072.7	2123.2
55°	21817.4	17836.0	7440.8	3036.5	2767.2	2380.0	1856.0	1990.7	2041.2	2060.1
57.5°	23319.9	17505.7	6016.2	2840.8	2750.3	2424.2	1792.9	1923.3	2020.1	2032.8
60°	23033.7	16346.2	4429.6	2691.4	2626.2	2407.3	1773.9	1820.2	1973.8	1992.8
62.5°	20828.4	14401.8	3074.4	2575.7	2352.6	2333.7	1767.6	1658.2	1872.8	1919.1
65°	16741.8	11338.0	2171.6	2217.9	2062.2	2173.7	1733.9	1489.8	1750.8	1813.9
67.5°	12146.0	7672.3	1567.7	1797.1	1868.6	1914.9	1658.2	1367.8	1611.9	1696.1
70°	7794.3	4143.4	1100.5	1186.8	1574.0	1626.6	1527.7	1258.4	1470.9	1567.7
72.5°	5540.6	2447.3	791.2	831.2	1264.7	1355.2	1344.6	1136.3	1306.8	1424.6
75°	3823.5	1348.9	534.5	593.4	917.5	1100.5	1037.4	976.4	1106.9	1226.8
77.5°	2396.8	603.9	319.9	412.4	601.8	864.9	711.3	755.4	862.8	974.3
80°	1334.1	233.6	178.9	273.6	328.3	629.2	393.5	486.1	635.5	715.5
82.5°	290.4	29.5	80.0	117.8	128.4	366.1	208.3	282.0	399.8	393.5
85°	0.0	0.0	14.7	16.8	8.4	157.8	75.8	92.6	130.5	122.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951351
 CATALOG NUMBER: GALN-SB5C-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4229.6	0°	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6
3804.6	2.5°	3787.7	3684.6	3608.9	3571.0	3539.4	3568.9	3585.7	3585.7	3657.3	3699.4
3505.8	5°	3432.1	3246.9	3105.9	3011.3	2954.4	2973.4	2994.4	3017.6	3108.1	3169.1
3329.0	7.5°	3185.9	2901.8	2687.2	2554.6	2485.2	2495.7	2510.4	2529.4	2617.7	2678.8
3354.3	10°	3139.6	2731.4	2428.4	2253.7	2169.5	2154.8	2146.4	2140.1	2192.7	2239.0
3640.4	12.5°	3329.0	2739.8	2316.8	2104.3	2001.2	1957.0	1906.5	1866.5	1874.9	1904.4
4073.9	15°	3667.8	2847.1	2281.1	2026.4	1898.1	1824.4	1765.5	1717.1	1706.6	1717.1
4452.7	17.5°	4055.0	2992.3	2276.9	1959.1	1799.2	1723.4	1675.0	1630.8	1616.1	1618.2
4665.2	20°	4311.7	3108.1	2264.2	1883.3	1704.5	1637.1	1595.1	1550.9	1536.1	1540.3
4606.3	22.5°	4337.0	3169.1	2245.3	1799.2	1609.8	1553.0	1510.9	1470.9	1468.8	1468.8
4385.4	25°	4200.2	3169.1	2205.3	1723.4	1519.3	1468.8	1430.9	1382.5	1390.9	1395.2
4135.0	27.5°	3987.6	3093.3	2129.6	1662.4	1441.4	1388.8	1351.0	1306.8	1317.3	1323.6
3901.4	30°	3777.2	2996.5	2039.1	1593.0	1367.8	1306.8	1279.4	1241.5	1245.7	1254.2
3669.9	32.5°	3581.5	2893.4	1931.7	1536.1	1294.1	1233.1	1212.1	1170.0	1176.3	1184.7
3442.6	35°	3387.9	2779.8	1805.5	1468.8	1226.8	1165.8	1148.9	1100.5	1104.8	1117.4
3215.4	37.5°	3179.6	2659.8	1702.4	1401.5	1161.6	1098.4	1081.6	1031.1	1035.3	1050.0
2979.7	40°	2960.8	2542.0	1601.4	1329.9	1092.1	1029.0	1014.3	959.6	963.8	980.6
2748.2	42.5°	2739.8	2413.6	1523.5	1237.3	1020.6	953.2	938.5	888.0	894.3	913.3
2546.2	45°	2535.7	2260.0	1473.0	1134.2	953.2	877.5	862.8	816.5	829.1	850.1
2375.8	47.5°	2361.0	2102.2	1452.0	1047.9	881.7	799.6	787.0	749.1	770.2	793.3
2230.6	50°	2211.6	1950.7	1424.6	959.6	814.4	732.3	719.7	694.4	721.8	744.9
2131.7	52.5°	2104.3	1778.1	1365.7	879.6	755.4	675.5	671.3	658.6	683.9	704.9
2058.0	55°	2011.7	1599.3	1271.0	810.2	702.8	627.1	631.3	625.0	646.0	662.9
2013.8	57.5°	1927.5	1443.6	1151.1	755.4	646.0	585.0	597.6	589.2	599.7	610.2
1967.5	60°	1826.5	1285.7	1008.0	694.4	578.7	542.9	557.6	534.5	532.4	536.6
1883.3	62.5°	1677.1	1073.2	858.6	618.7	519.8	496.6	502.9	458.7	425.1	425.1
1759.2	65°	1468.8	862.8	719.7	534.5	452.4	433.5	429.3	366.1	319.9	315.6
1624.5	67.5°	1226.8	709.1	597.6	450.3	376.7	364.0	368.3	322.0	275.7	271.5
1489.8	70°	999.5	587.1	481.9	359.8	290.4	303.0	322.0	275.7	231.5	225.2
1332.0	72.5°	812.3	467.2	376.7	275.7	214.6	250.4	273.6	225.2	183.1	178.9
1136.3	75°	627.1	343.0	269.4	187.3	155.7	193.6	214.6	164.1	130.5	124.2
879.6	77.5°	418.8	212.5	151.5	117.8	92.6	132.6	143.1	86.3	75.8	73.7
639.7	80°	254.6	98.9	65.2	56.8	31.6	48.4	56.8	35.8	40.0	42.1
340.9	82.5°	128.4	27.4	10.5	2.1	0.0	0.0	16.8	8.4	16.8	21.0
92.6	85°	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	10.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P951351
 CATALOG NUMBER: GALN-SB5C-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4229.6	0°	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6
3716.2	2.5°	3834.0	3922.4	4006.6	4141.3	4280.1	4416.9	4555.8	4690.5	4738.9	4774.7
3209.1	5°	3392.1	3558.4	3752.0	4019.2	4305.4	4600.0	4898.8	5172.4	5296.5	5380.7
2731.4	7.5°	2935.5	3152.2	3430.0	3831.9	4280.1	4749.4	5218.7	5650.0	5850.0	6012.0
2281.1	10°	2483.1	2718.8	3070.2	3528.9	4135.0	4808.3	5456.5	6049.9	6308.7	6512.8
1957.0	12.5°	2085.4	2306.3	2674.6	3181.7	3907.7	4762.0	5593.2	6306.6	6611.7	6841.1
1725.5	15°	1805.5	1961.2	2287.4	2834.5	3638.3	4612.6	5601.6	6428.6	6763.2	7003.1
1628.7	17.5°	1649.8	1702.4	1914.9	2481.0	3339.5	4416.9	5523.8	6470.7	6828.5	7051.5
1542.5	20°	1565.6	1574.0	1632.9	2022.2	2956.5	4233.9	5450.1	6512.8	6889.5	7076.8
1481.4	22.5°	1498.3	1498.3	1513.0	1654.0	2462.0	4015.0	5427.0	6586.5	6973.7	7089.4
1412.0	25°	1437.2	1437.2	1441.4	1479.3	1950.7	3680.4	5412.3	6700.1	7089.4	7121.0
1342.5	27.5°	1374.1	1376.2	1376.2	1397.3	1571.9	3225.9	5349.1	6847.4	7228.3	7163.0
1275.2	30°	1311.0	1315.2	1315.2	1329.9	1390.9	2693.5	5225.0	7024.2	7409.2	7217.8
1207.9	32.5°	1247.9	1252.1	1252.1	1264.7	1308.9	2150.6	5069.3	7186.2	7592.3	7240.9
1142.6	35°	1182.6	1188.9	1184.7	1201.6	1247.9	1710.8	4871.5	7348.2	7790.1	7314.5
1079.5	37.5°	1117.4	1121.6	1119.5	1136.3	1188.9	1477.2	4642.1	7470.3	8059.5	7478.7
1012.2	40°	1052.2	1050.0	1050.0	1069.0	1125.8	1409.9	4353.8	7663.9	8446.7	7767.0
944.8	42.5°	984.8	984.8	980.6	1001.6	1071.1	1359.4	4078.1	8011.1	9010.6	8225.7
881.7	45°	923.8	921.7	913.3	932.2	1018.5	1271.0	3981.3	8659.2	9843.9	8968.5
818.6	47.5°	864.9	862.8	841.7	858.6	955.4	1191.0	4343.3	9719.8	10999.2	10060.7
768.1	50°	812.3	814.4	774.4	789.1	892.2	1130.0	5128.2	11096.0	12533.2	11531.6
726.0	52.5°	763.9	763.9	711.3	719.7	814.4	1075.3	5875.2	12587.9	14557.5	13583.3
681.8	55°	715.5	711.3	652.3	656.5	736.5	997.4	5986.7	14044.1	17318.4	16670.3
633.4	57.5°	660.8	652.3	597.6	597.6	665.0	940.6	5189.2	15163.6	20744.2	21207.1
542.9	60°	593.4	587.1	551.3	540.8	608.1	991.1	3661.5	15294.1	22953.7	27240.2
431.4	62.5°	507.1	515.6	496.6	481.9	553.4	1029.0	2169.5	14244.0	22419.2	29159.3
334.6	65°	399.8	433.5	429.3	418.8	608.1	867.0	1281.5	12228.1	20780.0	27610.5
292.5	67.5°	340.9	364.0	357.7	357.7	637.6	658.6	805.9	9553.5	18524.2	25773.5
244.1	70°	290.4	313.5	290.4	290.4	481.9	399.8	557.6	6670.6	16089.5	23740.7
195.7	72.5°	239.9	263.0	237.8	221.0	385.1	298.8	408.2	4168.6	13779.0	21623.8
138.9	75°	183.1	210.4	191.5	170.4	254.6	223.1	309.3	2422.0	11415.8	18501.0
84.2	77.5°	115.7	151.5	143.1	119.9	187.3	162.0	223.1	1441.4	8808.6	14456.5
50.5	80°	71.5	77.9	80.0	75.8	107.3	109.4	151.5	820.7	6028.8	10075.4
31.6	82.5°	46.3	46.3	35.8	40.0	52.6	63.1	86.3	309.3	3543.6	6134.0
18.9	85°	33.7	29.5	18.9	18.9	25.3	31.6	33.7	94.7	1437.2	2422.0
8.4	87.5°	16.8	14.7	6.3	8.4	12.6	10.5	8.4	4.2	361.9	774.4
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: P951351
 CATALOG NUMBER: GALN-SB5C-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4229.6	0°	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6
4854.6	2.5°	4896.7	4961.9	4966.1	4966.1	4909.3	4907.2	4791.5	4778.9
5570.1	5°	5765.8	5807.9	5818.4	5797.3	5683.7	5599.5	5374.4	5326.0
6300.3	7.5°	6561.2	6645.4	6645.4	6594.9	6409.7	6237.1	5911.0	5788.9
6904.2	10°	7196.7	7293.5	7272.5	7169.4	6935.8	6698.0	6302.4	6142.5
7270.4	12.5°	7506.0	7604.9	7550.2	7432.4	7205.1	6954.7	6538.1	6357.1
7375.6	15°	7499.7	7472.4	7415.6	7400.8	7291.4	7102.0	6712.7	6514.9
7310.3	17.5°	7232.5	7001.0	6956.8	7104.1	7243.0	7196.7	6864.2	6679.0
7154.6	20°	6809.5	6405.5	6365.5	6647.5	7043.1	7245.1	7005.2	6834.8
6929.5	22.5°	6363.4	5927.8	5835.2	6146.7	6742.2	7259.8	7184.1	7013.6
6681.2	25°	5940.4	5502.7	5410.2	5700.5	6407.6	7234.6	7377.7	7232.5
6443.4	27.5°	5586.9	5164.0	5077.7	5368.1	6085.6	7163.0	7571.3	7468.2
6207.7	30°	5313.4	4922.0	4858.8	5138.7	5807.9	7074.7	7817.5	7760.7
5988.8	32.5°	5153.4	4867.2	4890.4	5119.8	5658.5	6977.9	8053.2	8080.5
5881.5	35°	5311.3	5323.9	5525.9	5620.6	5797.3	6963.1	8373.0	8480.3
6009.9	37.5°	6096.2	6533.9	6952.6	6874.7	6477.0	7133.6	8850.7	9050.6
6569.6	40°	7432.4	8330.9	9010.6	8713.9	7712.3	7655.4	9538.8	9837.6
7562.9	42.5°	9065.3	10588.8	11708.3	10912.9	9305.2	8568.7	10521.5	10902.4
8764.4	45°	10788.7	13372.8	15136.2	13482.3	11003.4	9848.1	12009.2	12308.1
9890.2	47.5°	12604.8	16756.5	19037.6	16331.5	12577.4	11304.3	14037.8	14107.2
10957.1	50°	14591.2	20466.4	23014.7	19178.6	14096.7	12973.0	16516.7	16436.7
12200.7	52.5°	16483.0	24281.5	26907.7	22038.3	15430.8	15043.6	19393.2	19229.1
13901.0	55°	18288.5	28094.5	30823.8	24786.6	16689.2	17779.2	22810.6	21817.4
16352.5	57.5°	20382.3	31522.4	34859.8	27547.4	18448.4	21331.3	26632.0	23319.9
21047.2	60°	23477.7	35417.5	39424.1	31330.9	21794.2	25064.3	28001.9	23033.7
26669.9	62.5°	27429.6	38999.0	42742.5	35038.7	25154.8	25767.2	25983.9	20828.4
25523.1	65°	28197.6	39906.0	42929.8	36029.8	24721.3	21857.4	21213.5	16741.8
22798.0	67.5°	26160.7	38266.7	40312.1	34184.4	21867.9	16891.2	15919.0	12146.0
21009.3	70°	23875.4	35141.8	35750.0	31046.8	19233.3	12423.8	10750.9	7794.3
19784.6	72.5°	21533.3	30973.2	29714.8	26962.4	16903.8	9046.4	7754.3	5540.6
18040.2	75°	18751.4	25491.5	23406.1	22402.4	13995.7	7099.9	5610.1	3823.5
15517.1	77.5°	15016.3	17943.4	17385.7	17364.7	10517.3	5187.1	3743.6	2396.8
12122.9	80°	10593.0	11645.2	11361.1	13078.2	7055.7	3762.5	2253.7	1334.1
8438.2	82.5°	5128.2	6439.2	6609.6	7788.0	3432.1	2213.7	519.8	290.4
3299.5	85°	2007.5	3105.9	2619.9	2956.5	963.8	616.6	12.6	0.0
542.9	87.5°	225.2	359.8	330.4	260.9	117.8	25.3	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)