

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: P954438

Luminaire Tested: **GALN-SB7C-940-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954438
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-940-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 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: 29455 lumens
Efficiency: N/A
Efficacy: 84.0 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

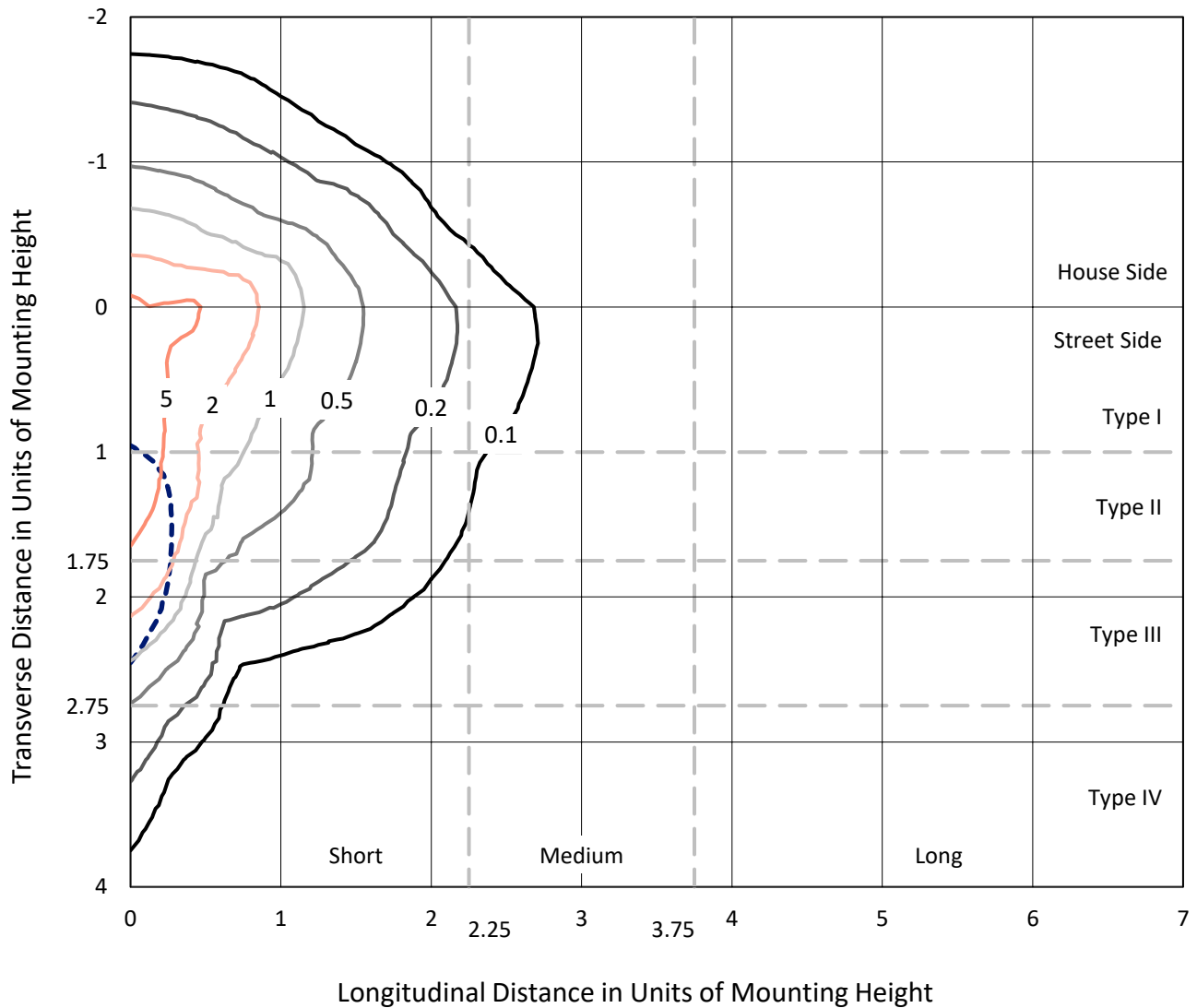
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954438
 CATALOG NUMBER: GALN-SB7C-940-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

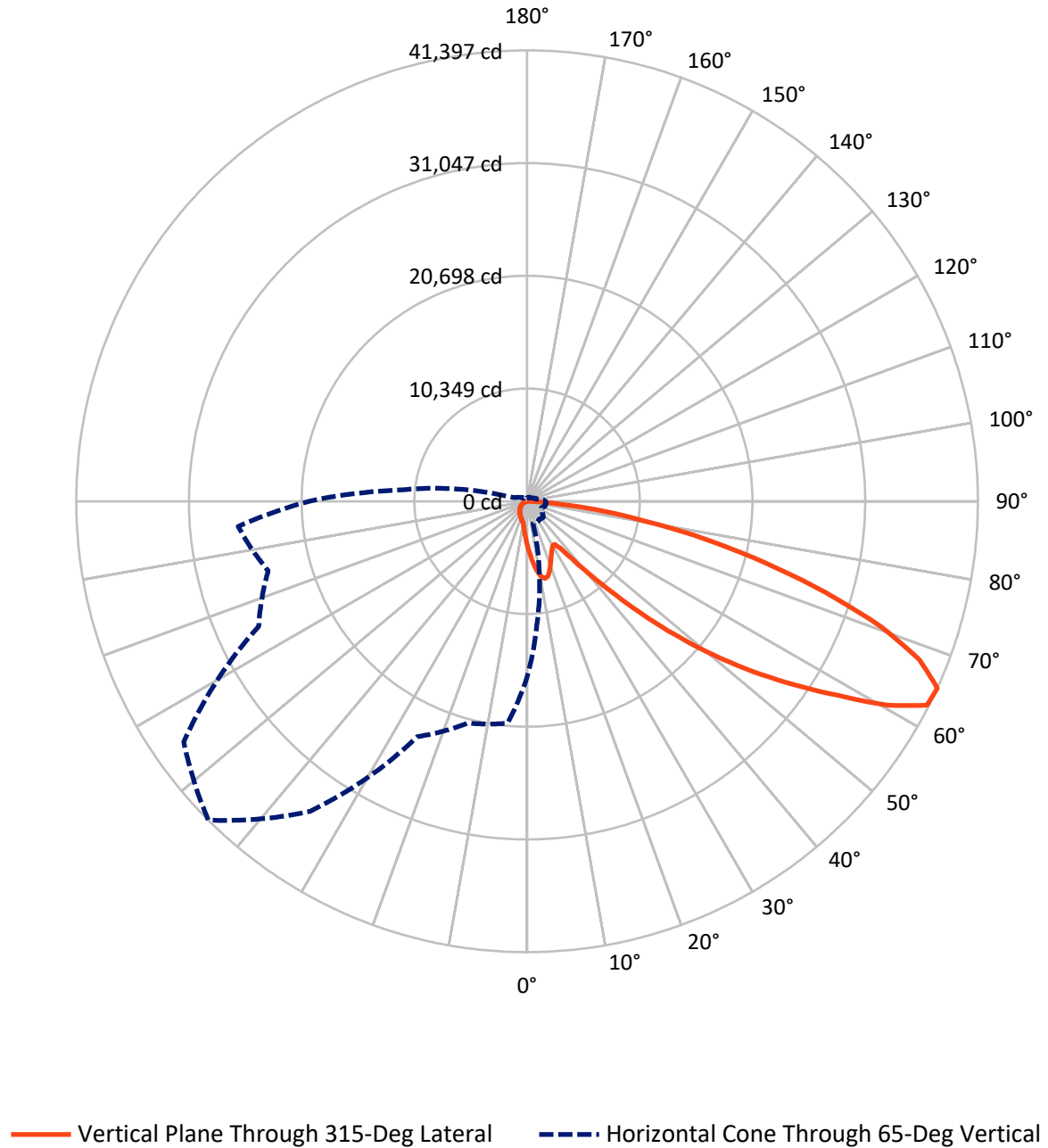
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P954438
CATALOG NUMBER: GALN-SB7C-940-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P954438
 CATALOG NUMBER: GALN-SB7C-940-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4124.9	0.0	4124.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	25330.0	0.0	25330.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	29455.0	0.0	29455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.6	1.4
10°-20°	1203.7	4.1
20°-30°	1773.3	6.0
30°-40°	2278.3	7.7
40°-50°	3684.6	12.5
50°-60°	6461.3	21.9
60°-70°	8084.9	27.4
70°-80°	4724.4	16.0
80°-90°	842.9	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°	29455.0	100.0
0°-180°	29455.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954438

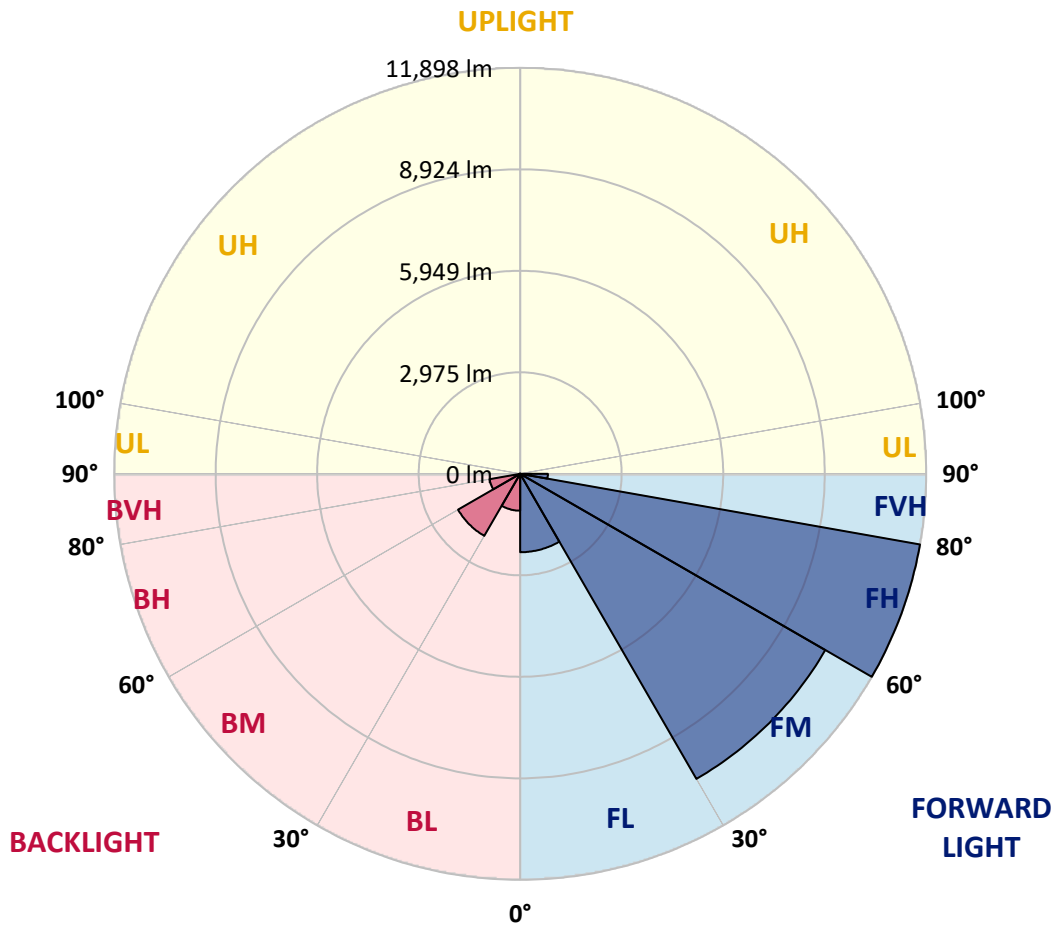
CATALOG NUMBER: GALN-SB7C-940-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2297.4	7.8			
FM (30°-60°)	10323.7	35.0			
FH (60°-80°)	11898.5	40.4			G4/12000
FVH (80°-90°)	810.5	2.8			G5
BL (0°-30°)	1081.2	3.7	B3/2500		
BM (30°-60°)	2100.5	7.1	B2/2500		
BH (60°-80°)	910.8	3.1	B2/1000		G2/1000
BVH (80°-90°)	32.4	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: P954438

CATALOG NUMBER: GALN-SB7C-940-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6
2.5°	4608.2	4529.0	4482.4	4366.7	4251.1	4157.7	4031.9	3948.7	3849.3	3753.9
5°	5135.8	5007.9	4853.7	4642.7	4449.9	4253.1	4062.3	3873.6	3674.8	3492.2
7.5°	5582.2	5397.5	5125.6	4845.6	4600.1	4362.7	4139.4	3889.9	3648.4	3362.3
10°	5923.1	5687.7	5330.6	4963.3	4681.2	4441.8	4224.7	4013.6	3770.1	3425.2
12.5°	6130.0	5878.4	5454.3	5024.2	4701.5	4433.7	4265.3	4171.9	4076.5	3733.6
15°	6282.2	6010.3	5541.6	5066.8	4654.9	4326.1	4202.4	4295.7	4405.3	4186.1
17.5°	6440.5	6154.4	5655.2	5085.0	4529.0	4117.1	4064.4	4305.8	4559.5	4549.3
20°	6590.7	6306.6	5754.6	5072.9	4326.1	3863.5	3910.2	4218.6	4512.8	4636.6
22.5°	6763.1	6462.8	5850.0	5026.2	4062.3	3626.1	3772.2	4080.6	4338.3	4484.4
25°	6974.2	6659.6	5983.9	4957.2	3778.3	3429.2	3632.2	3920.3	4129.3	4230.8
27.5°	7201.4	6895.0	6162.5	4920.7	3549.0	3289.2	3473.9	3729.6	3916.2	3987.3
30°	7483.5	7169.0	6373.5	4880.1	3398.8	3208.1	3309.5	3508.4	3691.0	3762.0
32.5°	7791.9	7473.3	6576.4	4782.7	3307.5	3147.2	3149.2	3275.0	3441.4	3526.6
35°	8177.4	7838.6	6793.6	4569.6	3234.5	3076.2	2993.0	3053.9	3191.8	3293.3
37.5°	8727.3	8317.5	7059.4	4265.3	3126.9	2966.6	2828.6	2842.8	2948.3	3059.9
40°	9486.2	8960.7	7371.9	3948.7	2972.7	2812.4	2648.0	2641.9	2719.1	2828.6
42.5°	10513.0	9810.9	7747.3	3646.4	2824.6	2625.7	2457.3	2447.1	2508.0	2603.4
45°	11868.5	10898.5	8207.9	3386.6	2708.9	2443.1	2276.7	2272.6	2323.4	2406.6
47.5°	13603.4	12410.2	8668.5	3210.1	2648.0	2299.0	2128.6	2136.7	2181.3	2256.4
50°	15849.6	14380.5	8808.5	3120.8	2648.0	2221.9	1996.7	2037.3	2073.8	2130.6
52.5°	18542.3	16271.7	8345.9	3039.7	2664.3	2232.1	1885.1	1972.3	1998.7	2047.4
55°	21038.1	17199.0	7175.0	2928.1	2668.3	2295.0	1789.7	1919.6	1968.3	1986.5
57.5°	22486.9	16880.4	5801.3	2739.3	2652.1	2337.6	1728.8	1854.6	1948.0	1960.2
60°	22211.0	15762.4	4271.3	2595.3	2532.4	2321.3	1710.6	1755.2	1903.3	1921.6
62.5°	20084.4	13887.4	2964.6	2483.7	2268.6	2250.3	1704.5	1599.0	1805.9	1850.6
65°	16143.9	10933.0	2094.1	2138.7	1988.6	2096.1	1672.0	1436.6	1688.2	1749.1
67.5°	11712.2	7398.3	1511.7	1732.9	1801.9	1846.5	1599.0	1318.9	1554.3	1635.5
70°	7515.9	3995.4	1061.2	1144.4	1517.8	1568.5	1473.2	1213.4	1418.4	1511.7
72.5°	5342.7	2359.9	763.0	801.5	1219.5	1306.8	1296.6	1095.7	1260.1	1373.7
75°	3687.0	1300.7	515.4	572.2	884.7	1061.2	1000.4	941.5	1067.3	1183.0
77.5°	2311.2	582.4	308.4	397.7	580.3	834.0	685.8	728.5	831.9	939.5
80°	1286.5	225.2	172.5	263.8	316.5	606.7	379.4	468.7	612.8	689.9
82.5°	280.0	28.4	77.1	113.6	123.8	353.1	200.9	271.9	385.5	379.4
85°	0.0	0.0	14.2	16.2	8.1	152.2	73.0	89.3	125.8	117.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954438
 CATALOG NUMBER: GALN-SB7C-940-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4078.6	0°	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6
3668.7	2.5°	3652.5	3553.0	3480.0	3443.5	3413.0	3441.4	3457.7	3457.7	3526.6	3567.2
3380.6	5°	3309.5	3131.0	2995.0	2903.7	2848.9	2867.2	2887.5	2909.8	2997.0	3055.9
3210.1	7.5°	3072.1	2798.2	2591.2	2463.4	2396.4	2406.6	2420.8	2439.0	2524.3	2583.1
3234.5	10°	3027.5	2633.8	2341.6	2173.2	2092.0	2077.8	2069.7	2063.6	2114.4	2159.0
3510.4	12.5°	3210.1	2641.9	2234.1	2029.1	1929.7	1887.1	1838.4	1799.8	1808.0	1836.4
3928.4	15°	3536.8	2745.4	2199.6	1954.1	1830.3	1759.3	1702.4	1655.8	1645.6	1655.8
4293.7	17.5°	3910.2	2885.4	2195.5	1889.1	1734.9	1661.9	1615.2	1572.6	1558.4	1560.4
4498.6	20°	4157.7	2997.0	2183.4	1816.1	1643.6	1578.7	1538.1	1495.5	1481.3	1485.3
4441.8	22.5°	4182.1	3055.9	2165.1	1734.9	1552.3	1497.5	1456.9	1418.4	1416.3	1416.3
4228.7	25°	4050.2	3055.9	2126.5	1661.9	1465.0	1416.3	1379.8	1333.1	1341.3	1345.3
3987.3	27.5°	3845.2	2982.8	2053.5	1603.0	1390.0	1339.2	1302.7	1260.1	1270.2	1276.3
3762.0	30°	3642.3	2889.5	1966.2	1536.1	1318.9	1260.1	1233.7	1197.2	1201.3	1209.4
3538.8	32.5°	3453.6	2790.1	1862.8	1481.3	1247.9	1189.1	1168.8	1128.2	1134.3	1142.4
3319.7	35°	3266.9	2680.5	1741.0	1416.3	1183.0	1124.1	1107.9	1061.2	1065.3	1077.5
3100.5	37.5°	3066.0	2564.8	1641.6	1351.4	1120.1	1059.2	1043.0	994.3	998.3	1012.5
2873.3	40°	2855.0	2451.2	1544.2	1282.4	1053.1	992.3	978.0	925.3	929.3	945.6
2650.1	42.5°	2641.9	2327.4	1469.1	1193.1	984.1	919.2	905.0	856.3	862.4	880.6
2455.3	45°	2445.1	2179.3	1420.4	1093.7	919.2	846.2	831.9	787.3	799.5	819.8
2290.9	47.5°	2276.7	2027.1	1400.1	1010.5	850.2	771.1	758.9	722.4	742.7	765.0
2150.9	50°	2132.6	1881.0	1373.7	925.3	785.3	706.1	694.0	669.6	696.0	718.3
2055.5	52.5°	2029.1	1714.6	1316.9	848.2	728.5	651.4	647.3	635.1	659.5	679.8
1984.5	55°	1939.9	1542.1	1225.6	781.2	677.7	604.7	608.7	602.7	622.9	639.2
1941.9	57.5°	1858.7	1392.0	1109.9	728.5	622.9	564.1	576.3	568.2	578.3	588.5
1897.2	60°	1761.3	1239.8	972.0	669.6	558.0	523.5	537.7	515.4	513.4	517.4
1816.1	62.5°	1617.2	1034.9	827.9	596.6	501.2	478.9	485.0	442.4	409.9	409.9
1696.4	65°	1416.3	831.9	694.0	515.4	436.3	418.0	413.9	353.1	308.4	304.4
1566.5	67.5°	1183.0	683.8	576.3	434.2	363.2	351.0	355.1	310.5	265.8	261.8
1436.6	70°	963.8	566.1	464.7	347.0	280.0	292.2	310.5	265.8	223.2	217.1
1284.4	72.5°	783.2	450.5	363.2	265.8	207.0	241.5	263.8	217.1	176.5	172.5
1095.7	75°	604.7	330.8	259.7	180.6	150.2	186.7	207.0	158.3	125.8	119.7
848.2	77.5°	403.8	204.9	146.1	113.6	89.3	127.8	138.0	83.2	73.0	71.0
616.9	80°	245.5	95.4	62.9	54.8	30.4	46.7	54.8	34.5	38.6	40.6
328.7	82.5°	123.8	26.4	10.1	2.0	0.0	0.0	16.2	8.1	16.2	20.3
89.3	85°	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	10.1
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: P954438
 CATALOG NUMBER: GALN-SB7C-940-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4078.6	0°	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6
3583.5	2.5°	3697.1	3782.3	3863.5	3993.4	4127.3	4259.2	4393.1	4523.0	4569.6	4604.1
3094.4	5°	3271.0	3431.3	3618.0	3875.7	4151.6	4435.7	4723.8	4987.6	5107.3	5188.5
2633.8	7.5°	2830.7	3039.7	3307.5	3695.1	4127.3	4579.8	5032.3	5448.2	5641.0	5797.3
2199.6	10°	2394.4	2621.7	2960.5	3402.9	3987.3	4636.6	5261.6	5833.8	6083.4	6280.2
1887.1	12.5°	2010.9	2223.9	2579.0	3068.1	3768.1	4591.9	5393.5	6081.3	6375.6	6596.7
1663.9	15°	1741.0	1891.2	2205.7	2733.3	3508.4	4447.9	5401.6	6199.0	6521.7	6753.0
1570.6	17.5°	1590.8	1641.6	1846.5	2392.4	3220.2	4259.2	5326.5	6239.6	6584.6	6799.7
1487.4	20°	1509.7	1517.8	1574.6	1950.0	2850.9	4082.6	5255.5	6280.2	6643.4	6824.0
1428.5	22.5°	1444.7	1444.7	1459.0	1594.9	2374.1	3871.6	5233.2	6351.2	6724.6	6836.2
1361.6	25°	1385.9	1385.9	1390.0	1426.5	1881.0	3549.0	5219.0	6460.8	6836.2	6866.6
1294.6	27.5°	1325.0	1327.1	1327.1	1347.4	1515.8	3110.7	5158.1	6602.8	6970.1	6907.2
1229.7	30°	1264.2	1268.2	1268.2	1282.4	1341.3	2597.3	5038.4	6773.3	7144.6	6960.0
1164.7	32.5°	1203.3	1207.3	1207.3	1219.5	1262.1	2073.8	4888.2	6929.5	7321.1	6982.3
1101.8	35°	1140.4	1146.5	1142.4	1158.6	1203.3	1649.7	4697.5	7085.8	7511.9	7053.3
1040.9	37.5°	1077.5	1081.5	1079.5	1095.7	1146.5	1424.5	4476.3	7203.5	7771.6	7211.6
976.0	40°	1014.6	1012.5	1012.5	1030.8	1085.6	1359.5	4198.3	7390.1	8145.0	7489.6
911.1	42.5°	949.6	949.6	945.6	965.9	1032.8	1310.8	3932.5	7724.9	8688.8	7931.9
850.2	45°	890.8	888.8	880.6	898.9	982.1	1225.6	3839.1	8349.9	9492.3	8648.2
789.3	47.5°	834.0	831.9	811.7	827.9	921.2	1148.5	4188.1	9372.6	10606.3	9701.3
740.6	50°	783.2	785.3	746.7	760.9	860.4	1089.6	4945.0	10699.7	12085.6	11119.7
700.1	52.5°	736.6	736.6	685.8	694.0	785.3	1036.9	5665.4	12138.3	14037.6	13098.1
657.4	55°	689.9	685.8	629.0	633.1	710.2	961.8	5772.9	13542.5	16699.8	16074.9
610.8	57.5°	637.2	629.0	576.3	576.3	641.2	907.0	5003.9	14622.0	20003.3	20449.7
523.5	60°	572.2	566.1	531.6	521.5	586.4	955.7	3530.7	14747.8	22133.9	26267.2
416.0	62.5°	489.0	497.1	478.9	464.7	533.7	992.3	2092.0	13735.3	21618.5	28117.8
322.6	65°	385.5	418.0	413.9	403.8	586.4	836.0	1235.7	11791.3	20037.8	26624.4
282.1	67.5°	328.7	351.0	345.0	345.0	614.8	635.1	777.2	9212.3	17862.5	24852.9
235.4	70°	280.0	302.3	280.0	280.0	464.7	385.5	537.7	6432.4	15514.8	22892.8
188.7	72.5°	231.3	253.6	229.3	213.1	371.3	288.1	393.7	4019.7	13286.8	20851.5
133.9	75°	176.5	202.9	184.7	164.4	245.5	215.1	298.3	2335.5	11008.1	17840.2
81.2	77.5°	111.6	146.1	138.0	115.7	180.6	156.2	215.1	1390.0	8494.0	13940.2
48.7	80°	69.0	75.1	77.1	73.0	103.5	105.5	146.1	791.4	5813.5	9715.5
30.4	82.5°	44.6	44.6	34.5	38.6	50.7	60.9	83.2	298.3	3417.1	5914.9
18.3	85°	32.5	28.4	18.3	18.3	24.3	30.4	32.5	91.3	1385.9	2335.5
8.1	87.5°	16.2	14.2	6.1	8.1	12.2	10.1	8.1	4.1	349.0	746.7
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: P954438
 CATALOG NUMBER: GALN-SB7C-940-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4078.6	0°	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6	4078.6
4681.2	2.5°	4721.8	4784.7	4788.8	4788.8	4734.0	4732.0	4620.4	4608.2
5371.1	5°	5559.8	5600.4	5610.6	5590.3	5480.7	5399.5	5182.4	5135.8
6075.3	7.5°	6326.9	6408.0	6408.0	6359.3	6180.8	6014.4	5699.9	5582.2
6657.6	10°	6939.7	7033.0	7012.7	6913.3	6688.1	6458.8	6077.3	5923.1
7010.7	12.5°	7237.9	7333.3	7280.6	7166.9	6947.8	6706.3	6304.5	6130.0
7112.1	15°	7231.9	7205.5	7150.7	7136.5	7031.0	6848.4	6473.0	6282.2
7049.2	17.5°	6974.2	6751.0	6708.3	6850.4	6984.3	6939.7	6619.1	6440.5
6899.1	20°	6566.3	6176.7	6138.2	6410.1	6791.5	6986.3	6755.0	6590.7
6682.0	22.5°	6136.1	5716.1	5626.8	5927.1	6501.4	7000.5	6927.5	6763.1
6442.5	25°	5728.3	5306.2	5216.9	5496.9	6178.7	6976.2	7114.2	6974.2
6213.2	27.5°	5387.4	4979.5	4896.3	5176.3	5868.3	6907.2	7300.9	7201.4
5986.0	30°	5123.6	4746.2	4685.3	4955.2	5600.4	6822.0	7538.3	7483.5
5774.9	32.5°	4969.4	4693.4	4715.7	4936.9	5456.4	6728.6	7765.5	7791.9
5671.5	35°	5121.6	5133.7	5328.5	5419.8	5590.3	6714.4	8074.0	8177.4
5795.2	37.5°	5878.4	6300.5	6704.3	6629.2	6245.7	6878.8	8534.6	8727.3
6335.0	40°	7166.9	8033.4	8688.8	8402.7	7436.8	7382.0	9198.1	9486.2
7292.7	42.5°	8741.5	10210.6	11290.1	10523.1	8972.9	8262.7	10145.7	10513.0
8451.4	45°	10403.4	12895.2	14595.6	13000.7	10610.4	9496.4	11580.3	11868.5
9537.0	47.5°	12154.6	16158.1	18357.6	15748.2	12128.2	10900.5	13536.4	13603.4
10565.7	50°	14070.1	19735.4	22192.7	18493.6	13593.2	12509.7	15926.7	15849.6
11765.0	52.5°	15894.3	23414.3	25946.6	21251.2	14879.7	14506.3	18700.6	18542.3
13404.5	55°	17635.3	27091.1	29722.9	23901.3	16093.1	17144.2	21995.9	21038.1
15768.5	57.5°	19654.3	30396.5	33614.8	26563.5	17789.5	20569.4	25680.8	22486.9
20295.5	60°	22639.1	34152.5	38016.0	30211.9	21015.8	24169.1	27001.8	22211.0
25717.3	62.5°	26449.9	37606.1	41215.9	33787.2	24256.4	24846.8	25055.8	20084.4
24611.5	65°	27190.5	38480.6	41396.5	34743.0	23838.4	21076.7	20455.8	16143.9
21983.7	67.5°	25226.3	36899.9	38872.3	32963.4	21086.8	16287.9	15350.5	11712.2
20259.0	70°	23022.6	33886.7	34473.1	29938.0	18546.4	11980.1	10366.9	7515.9
19078.0	72.5°	20764.2	29866.9	28653.5	25999.4	16300.1	8723.3	7477.4	5342.7
17395.8	75°	18081.7	24581.0	22570.1	21602.2	13495.8	6846.3	5409.7	3687.0
14962.9	77.5°	14480.0	17302.5	16764.8	16744.5	10141.7	5001.8	3609.8	2311.2
11689.9	80°	10214.7	11229.3	10955.3	12611.1	6803.7	3628.1	2173.2	1286.5
8136.9	82.5°	4945.0	6209.2	6373.5	7509.9	3309.5	2134.7	501.2	280.0
3181.7	85°	1935.8	2995.0	2526.3	2850.9	929.3	594.5	12.2	0.0
523.5	87.5°	217.1	347.0	318.6	251.6	113.6	24.3	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)