

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: P948012

Luminaire Tested: **GALN-SB3A-940-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948012
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-SB3A-940-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 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: 7443 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

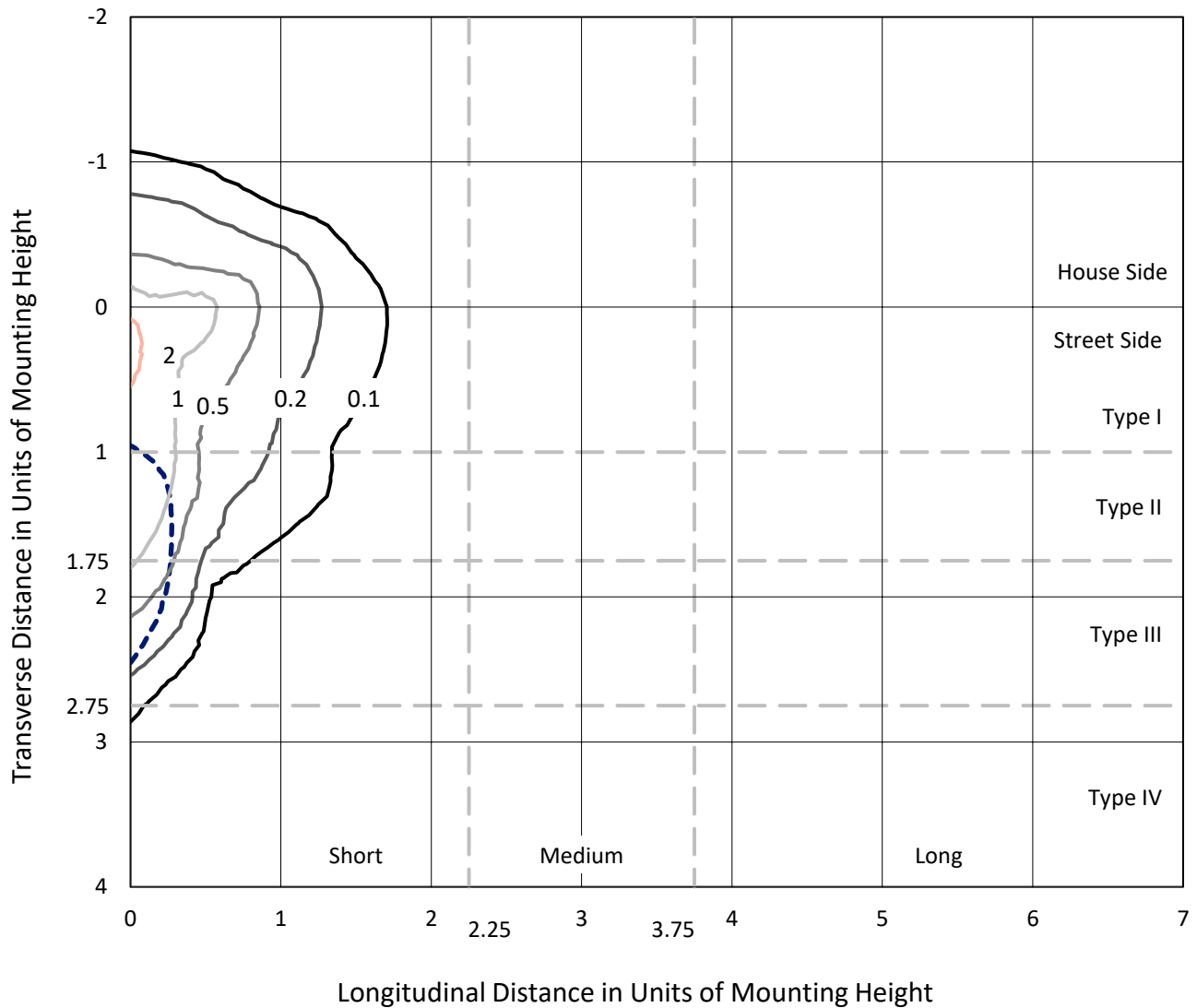
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948012
 CATALOG NUMBER: GALN-SB3A-940-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

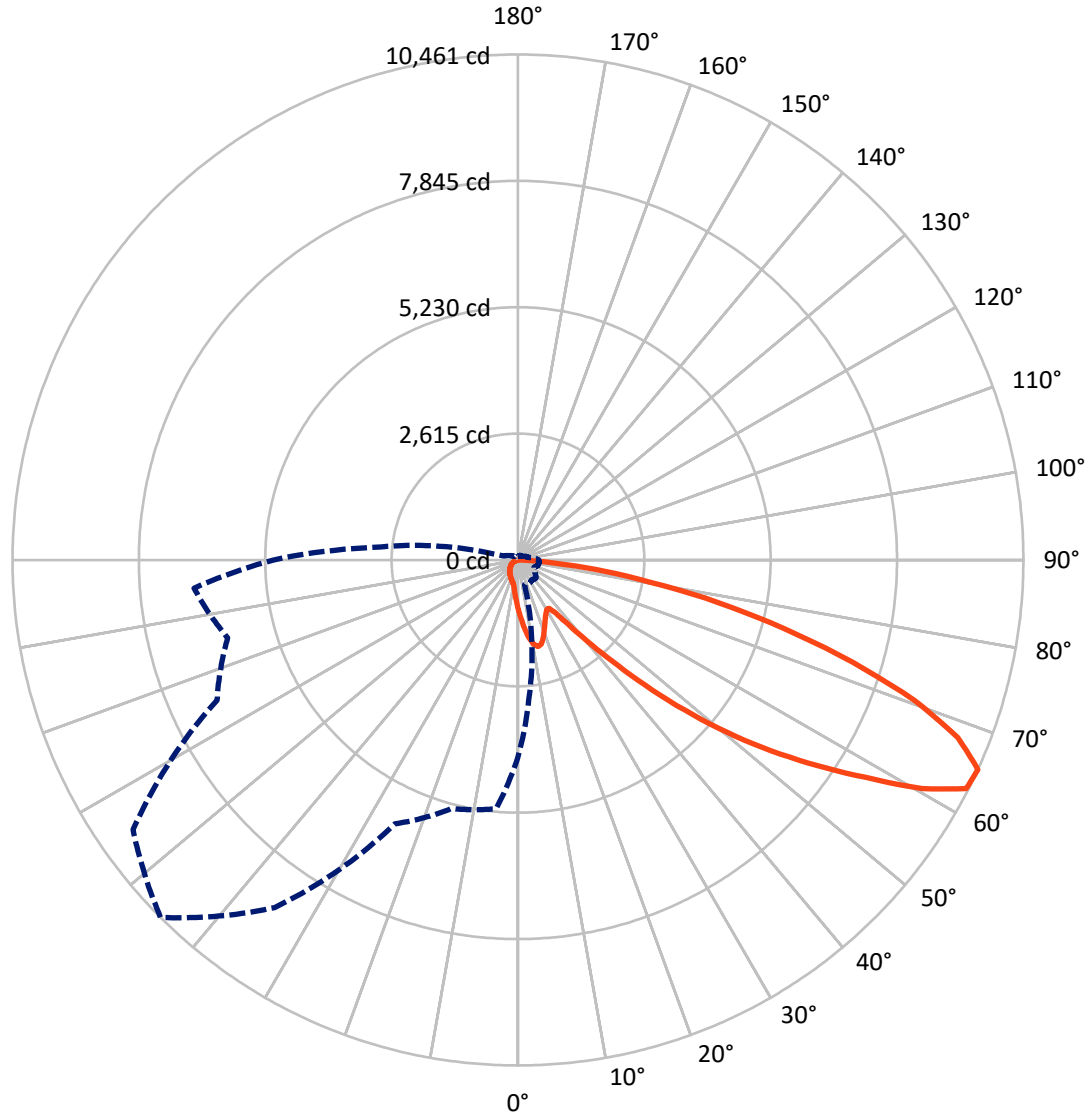
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P948012
CATALOG NUMBER: GALN-SB3A-940-U-SLR-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P948012
 CATALOG NUMBER: GALN-SB3A-940-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1042.3	0.0	1042.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	6400.7	0.0	6400.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	7443.0	0.0	7443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	1.4
10°-20°	304.2	4.1
20°-30°	448.1	6.0
30°-40°	575.7	7.7
40°-50°	931.1	12.5
50°-60°	1632.7	21.9
60°-70°	2043.0	27.4
70°-80°	1193.8	16.0
80°-90°	213.0	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°	7443.0	100.0
0°-180°	7443.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948012

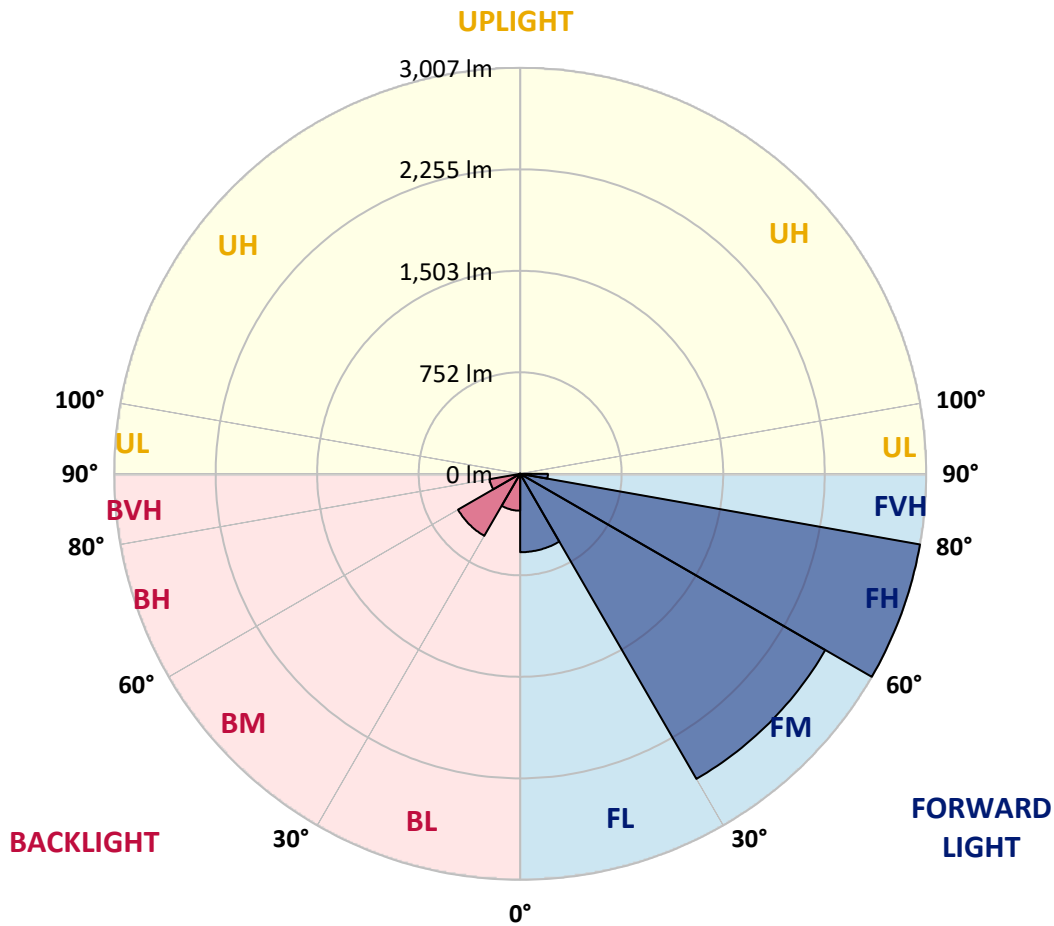
CATALOG NUMBER: GALN-SB3A-940-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.5	7.8			
FM (30°-60°)	2608.7	35.0			
FH (60°-80°)	3006.6	40.4			G2/5000
FVH (80°-90°)	204.8	2.8			G2/225
BL (0°-30°)	273.2	3.7	B1/500		
BM (30°-60°)	530.8	7.1	B1/1000		
BH (60°-80°)	230.2	3.1	B1/500		G1/500
BVH (80°-90°)	8.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



REPORT NUMBER: P948012
 CATALOG NUMBER: GALN-SB3A-940-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6
2.5°	1164.4	1144.4	1132.7	1103.4	1074.2	1050.6	1018.8	997.8	972.7	948.6
5°	1297.8	1265.5	1226.5	1173.2	1124.4	1074.7	1026.5	978.8	928.6	882.4
7.5°	1410.6	1363.9	1295.2	1224.4	1162.4	1102.4	1046.0	982.9	921.9	849.6
10°	1496.7	1437.2	1347.0	1254.2	1182.9	1122.4	1067.5	1014.2	952.7	865.5
12.5°	1549.0	1485.4	1378.3	1269.6	1188.0	1120.3	1077.8	1054.2	1030.1	943.5
15°	1587.5	1518.8	1400.3	1280.3	1176.2	1093.2	1061.9	1085.5	1113.2	1057.8
17.5°	1627.5	1555.2	1429.0	1284.9	1144.4	1040.4	1027.0	1088.0	1152.1	1149.6
20°	1665.4	1593.6	1454.1	1281.9	1093.2	976.3	988.1	1066.0	1140.3	1171.6
22.5°	1709.0	1633.1	1478.2	1270.1	1026.5	916.3	953.2	1031.1	1096.2	1133.2
25°	1762.3	1682.8	1512.1	1252.6	954.7	866.5	917.8	990.6	1043.4	1069.1
27.5°	1819.7	1742.3	1557.2	1243.4	896.8	831.2	877.8	942.4	989.6	1007.5
30°	1891.0	1811.5	1610.5	1233.2	858.8	810.6	836.3	886.5	932.7	950.6
32.5°	1968.9	1888.4	1661.8	1208.5	835.8	795.3	795.8	827.6	869.6	891.2
35°	2066.4	1980.7	1716.7	1154.7	817.3	777.3	756.3	771.7	806.5	832.2
37.5°	2205.3	2101.7	1783.8	1077.8	790.1	749.6	714.8	718.4	745.0	773.2
40°	2397.1	2264.3	1862.8	997.8	751.2	710.7	669.1	667.6	687.1	714.8
42.5°	2656.5	2479.1	1957.7	921.4	713.7	663.5	620.9	618.4	633.8	657.9
45°	2999.0	2754.0	2074.1	855.8	684.5	617.3	575.3	574.3	587.1	608.1
47.5°	3437.4	3135.9	2190.4	811.2	669.1	580.9	537.9	539.9	551.2	570.2
50°	4005.1	3633.8	2225.8	788.6	669.1	561.5	504.5	514.8	524.0	538.4
52.5°	4685.5	4111.7	2108.9	768.1	673.2	564.0	476.3	498.4	505.1	517.4
55°	5316.1	4346.0	1813.1	739.9	674.3	579.9	452.2	485.1	497.4	502.0
57.5°	5682.2	4265.5	1465.9	692.2	670.2	590.7	436.9	468.6	492.2	495.3
60°	5612.5	3983.0	1079.3	655.8	639.9	586.6	432.2	443.5	481.0	485.6
62.5°	5075.1	3509.2	749.1	627.6	573.2	568.6	430.7	404.0	456.3	467.6
65°	4079.4	2762.7	529.2	540.4	502.5	529.7	422.5	363.0	426.6	442.0
67.5°	2959.6	1869.5	382.0	437.9	455.3	466.6	404.0	333.3	392.8	413.3
70°	1899.2	1009.6	268.2	289.2	383.5	396.4	372.3	306.6	358.4	382.0
72.5°	1350.1	596.3	192.8	202.5	308.2	330.2	327.6	276.9	318.4	347.1
75°	931.7	328.7	130.2	144.6	223.6	268.2	252.8	237.9	269.7	298.9
77.5°	584.0	147.2	77.9	100.5	146.6	210.7	173.3	184.1	210.2	237.4
80°	325.1	56.9	43.6	66.7	80.0	153.3	95.9	118.4	154.8	174.3
82.5°	70.8	7.2	19.5	28.7	31.3	89.2	50.8	68.7	97.4	95.9
85°	0.0	0.0	3.6	4.1	2.1	38.5	18.5	22.6	31.8	29.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948012
 CATALOG NUMBER: GALN-SB3A-940-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1030.6	0°	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6
927.0	2.5°	922.9	897.8	879.4	870.1	862.4	869.6	873.7	873.7	891.2	901.4
854.2	5°	836.3	791.2	756.8	733.7	719.9	724.5	729.6	735.3	757.3	772.2
811.2	7.5°	776.3	707.1	654.8	622.5	605.6	608.1	611.7	616.3	637.9	652.7
817.3	10°	765.0	665.5	591.7	549.1	528.6	525.1	523.0	521.5	534.3	545.6
887.0	12.5°	811.2	667.6	564.5	512.7	487.6	476.9	464.5	454.8	456.9	464.0
992.7	15°	893.7	693.7	555.8	493.8	462.5	444.5	430.2	418.4	415.8	418.4
1085.0	17.5°	988.1	729.1	554.8	477.4	438.4	419.9	408.1	397.4	393.8	394.3
1136.8	20°	1050.6	757.3	551.7	458.9	415.3	398.9	388.7	377.9	374.3	375.3
1122.4	22.5°	1056.8	772.2	547.1	438.4	392.2	378.4	368.2	358.4	357.9	357.9
1068.6	25°	1023.4	772.2	537.4	419.9	370.2	357.9	348.7	336.9	338.9	339.9
1007.5	27.5°	971.7	753.7	518.9	405.1	351.2	338.4	329.2	318.4	321.0	322.5
950.6	30°	920.4	730.1	496.8	388.1	333.3	318.4	311.7	302.5	303.5	305.6
894.2	32.5°	872.7	705.0	470.7	374.3	315.3	300.5	295.3	285.1	286.6	288.7
838.9	35°	825.5	677.3	439.9	357.9	298.9	284.1	280.0	268.2	269.2	272.3
783.5	37.5°	774.8	648.1	414.8	341.5	283.0	267.7	263.6	251.2	252.3	255.9
726.0	40°	721.4	619.4	390.2	324.1	266.1	250.7	247.1	233.8	234.8	238.9
669.6	42.5°	667.6	588.1	371.2	301.5	248.7	232.3	228.7	216.4	217.9	222.5
620.4	45°	617.9	550.7	358.9	276.4	232.3	213.8	210.2	198.9	202.0	207.1
578.9	47.5°	575.3	512.2	353.8	255.3	214.8	194.8	191.8	182.5	187.7	193.3
543.5	50°	538.9	475.3	347.1	233.8	198.4	178.4	175.4	169.2	175.9	181.5
519.4	52.5°	512.7	433.3	332.8	214.3	184.1	164.6	163.6	160.5	166.6	171.8
501.5	55°	490.2	389.7	309.7	197.4	171.3	152.8	153.8	152.3	157.4	161.5
490.7	57.5°	469.7	351.7	280.5	184.1	157.4	142.5	145.6	143.6	146.1	148.7
479.4	60°	445.1	313.3	245.6	169.2	141.0	132.3	135.9	130.2	129.7	130.7
458.9	62.5°	408.7	261.5	209.2	150.7	126.6	121.0	122.5	111.8	103.6	103.6
428.7	65°	357.9	210.2	175.4	130.2	110.2	105.6	104.6	89.2	77.9	76.9
395.8	67.5°	298.9	172.8	145.6	109.7	91.8	88.7	89.7	78.4	67.2	66.1
363.0	70°	243.6	143.1	117.4	87.7	70.8	73.8	78.4	67.2	56.4	54.9
324.6	72.5°	197.9	113.8	91.8	67.2	52.3	61.0	66.7	54.9	44.6	43.6
276.9	75°	152.8	83.6	65.6	45.6	37.9	47.2	52.3	40.0	31.8	30.3
214.3	77.5°	102.0	51.8	36.9	28.7	22.6	32.3	34.9	21.0	18.5	17.9
155.9	80°	62.0	24.1	15.9	13.8	7.7	11.8	13.8	8.7	9.7	10.3
83.1	82.5°	31.3	6.7	2.6	0.5	0.0	0.0	4.1	2.1	4.1	5.1
22.6	85°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.6
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: P948012
 CATALOG NUMBER: GALN-SB3A-940-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
1030.6	0°	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6
905.5	2.5°	934.2	955.8	976.3	1009.1	1042.9	1076.3	1110.1	1142.9	1154.7	1163.4
781.9	5°	826.5	867.1	914.2	979.3	1049.1	1120.9	1193.7	1260.3	1290.6	1311.1
665.5	7.5°	715.3	768.1	835.8	933.7	1042.9	1157.3	1271.6	1376.7	1425.4	1464.9
555.8	10°	605.0	662.5	748.1	859.9	1007.5	1171.6	1329.5	1474.1	1537.2	1586.9
476.9	12.5°	508.1	562.0	651.7	775.3	952.2	1160.3	1362.9	1536.7	1611.0	1666.9
420.5	15°	439.9	477.9	557.4	690.7	886.5	1123.9	1364.9	1566.4	1648.0	1706.4
396.9	17.5°	402.0	414.8	466.6	604.5	813.7	1076.3	1346.0	1576.7	1663.9	1718.2
375.8	20°	381.5	383.5	397.9	492.7	720.4	1031.6	1328.0	1586.9	1678.7	1724.4
361.0	22.5°	365.1	365.1	368.7	403.0	599.9	978.3	1322.4	1604.9	1699.2	1727.4
344.1	25°	350.2	350.2	351.2	360.5	475.3	896.8	1318.8	1632.6	1727.4	1735.1
327.1	27.5°	334.8	335.3	335.3	340.5	383.0	786.0	1303.4	1668.5	1761.3	1745.4
310.7	30°	319.4	320.5	320.5	324.1	338.9	656.3	1273.1	1711.5	1805.4	1758.7
294.3	32.5°	304.1	305.1	305.1	308.2	318.9	524.0	1235.2	1751.0	1850.0	1764.4
278.4	35°	288.2	289.7	288.7	292.8	304.1	416.9	1187.0	1790.5	1898.2	1782.3
263.0	37.5°	272.3	273.3	272.8	276.9	289.7	359.9	1131.1	1820.2	1963.8	1822.3
246.6	40°	256.4	255.9	255.9	260.5	274.3	343.5	1060.9	1867.4	2058.2	1892.5
230.2	42.5°	240.0	240.0	238.9	244.1	261.0	331.2	993.7	1952.0	2195.6	2004.3
214.8	45°	225.1	224.6	222.5	227.1	248.2	309.7	970.1	2109.9	2398.6	2185.3
199.5	47.5°	210.7	210.2	205.1	209.2	232.8	290.2	1058.3	2368.4	2680.1	2451.4
187.2	50°	197.9	198.4	188.7	192.3	217.4	275.3	1249.6	2703.7	3053.9	2809.8
176.9	52.5°	186.1	186.1	173.3	175.4	198.4	262.0	1431.6	3067.2	3547.2	3309.8
166.1	55°	174.3	173.3	159.0	160.0	179.5	243.0	1458.8	3422.1	4219.9	4062.0
154.3	57.5°	161.0	159.0	145.6	145.6	162.0	229.2	1264.4	3694.8	5054.6	5167.4
132.3	60°	144.6	143.1	134.3	131.8	148.2	241.5	892.2	3726.6	5593.0	6637.5
105.1	62.5°	123.6	125.6	121.0	117.4	134.9	250.7	528.6	3470.8	5462.8	7105.1
81.5	65°	97.4	105.6	104.6	102.0	148.2	211.3	312.3	2979.6	5063.4	6727.7
71.3	67.5°	83.1	88.7	87.2	87.2	155.4	160.5	196.4	2327.9	4513.7	6280.1
59.5	70°	70.8	76.4	70.8	70.8	117.4	97.4	135.9	1625.4	3920.4	5784.8
47.7	72.5°	58.5	64.1	57.9	53.8	93.8	72.8	99.5	1015.7	3357.5	5269.0
33.8	75°	44.6	51.3	46.7	41.5	62.0	54.4	75.4	590.2	2781.6	4508.1
20.5	77.5°	28.2	36.9	34.9	29.2	45.6	39.5	54.4	351.2	2146.4	3522.6
12.3	80°	17.4	19.0	19.5	18.5	26.1	26.7	36.9	200.0	1469.0	2455.0
7.7	82.5°	11.3	11.3	8.7	9.7	12.8	15.4	21.0	75.4	863.5	1494.7
4.6	85°	8.2	7.2	4.6	4.6	6.2	7.7	8.2	23.1	350.2	590.2
2.1	87.5°	4.1	3.6	1.5	2.1	3.1	2.6	2.1	1.0	88.2	188.7
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: P948012
 CATALOG NUMBER: GALN-SB3A-940-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
1030.6	0°	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6
1182.9	2.5°	1193.2	1209.1	1210.1	1210.1	1196.2	1195.7	1167.5	1164.4
1357.2	5°	1404.9	1415.2	1417.7	1412.6	1384.9	1364.4	1309.6	1297.8
1535.2	7.5°	1598.7	1619.2	1619.2	1606.9	1561.8	1519.8	1440.3	1410.6
1682.3	10°	1753.6	1777.2	1772.0	1746.9	1690.0	1632.1	1535.7	1496.7
1771.5	12.5°	1829.0	1853.1	1839.7	1811.0	1755.6	1694.6	1593.1	1549.0
1797.2	15°	1827.4	1820.8	1806.9	1803.3	1776.7	1730.5	1635.7	1587.5
1781.3	17.5°	1762.3	1705.9	1695.1	1731.0	1764.9	1753.6	1672.6	1627.5
1743.3	20°	1659.2	1560.8	1551.1	1619.8	1716.2	1765.4	1706.9	1665.4
1688.5	22.5°	1550.5	1444.4	1421.8	1497.7	1642.8	1769.0	1750.5	1709.0
1628.0	25°	1447.5	1340.8	1318.3	1389.0	1561.3	1762.8	1797.7	1762.3
1570.0	27.5°	1361.3	1258.3	1237.3	1308.0	1482.9	1745.4	1844.9	1819.7
1512.6	30°	1294.7	1199.3	1183.9	1252.1	1415.2	1723.8	1904.8	1891.0
1459.3	32.5°	1255.7	1186.0	1191.6	1247.5	1378.8	1700.3	1962.3	1968.9
1433.1	35°	1294.2	1297.2	1346.5	1369.5	1412.6	1696.7	2040.2	2066.4
1464.4	37.5°	1485.4	1592.1	1694.1	1675.1	1578.2	1738.2	2156.6	2205.3
1600.8	40°	1811.0	2030.0	2195.6	2123.3	1879.2	1865.4	2324.3	2397.1
1842.8	42.5°	2208.9	2580.1	2852.9	2659.1	2267.4	2087.9	2563.7	2656.5
2135.6	45°	2628.8	3258.5	3688.2	3285.2	2681.1	2399.6	2926.2	2999.0
2409.9	47.5°	3071.3	4083.0	4638.8	3979.4	3064.7	2754.5	3420.5	3437.4
2669.9	50°	3555.4	4987.0	5607.9	4673.2	3434.9	3161.1	4024.5	4005.1
2972.9	52.5°	4016.3	5916.6	6556.5	5370.0	3760.0	3665.6	4725.5	4685.5
3387.2	55°	4456.3	6845.7	7510.7	6039.6	4066.6	4332.2	5558.2	5316.1
3984.5	57.5°	4966.4	7680.9	8494.1	6712.3	4495.2	5197.7	6489.3	5682.2
5128.5	60°	5720.7	8630.0	9606.3	7634.3	5310.5	6107.3	6823.1	5612.5
6498.5	62.5°	6683.6	9502.7	10414.9	8537.7	6129.4	6278.6	6331.4	5075.1
6219.1	65°	6870.8	9723.7	10460.5	8779.2	6023.7	5325.9	5169.0	4079.4
5555.1	67.5°	6374.4	9324.3	9822.7	8329.5	5328.4	4115.8	3878.9	2959.6
5119.2	70°	5817.6	8562.8	8711.0	7565.0	4686.5	3027.2	2619.6	1899.2
4820.8	72.5°	5246.9	7547.1	7240.5	6569.8	4118.9	2204.3	1889.5	1350.1
4395.8	75°	4569.1	6211.4	5703.3	5458.7	3410.3	1730.0	1367.0	931.7
3781.0	77.5°	3658.9	4372.2	4236.3	4231.2	2562.7	1263.9	912.2	584.0
2953.9	80°	2581.2	2837.5	2768.3	3186.7	1719.2	916.8	549.1	325.1
2056.1	82.5°	1249.6	1569.0	1610.5	1897.7	836.3	539.4	126.6	70.8
804.0	85°	489.2	756.8	638.4	720.4	234.8	150.2	3.1	0.0
132.3	87.5°	54.9	87.7	80.5	63.6	28.7	6.2	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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