

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: P947949

Luminaire Tested: **GALN-SB3A-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947949
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-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 6252 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

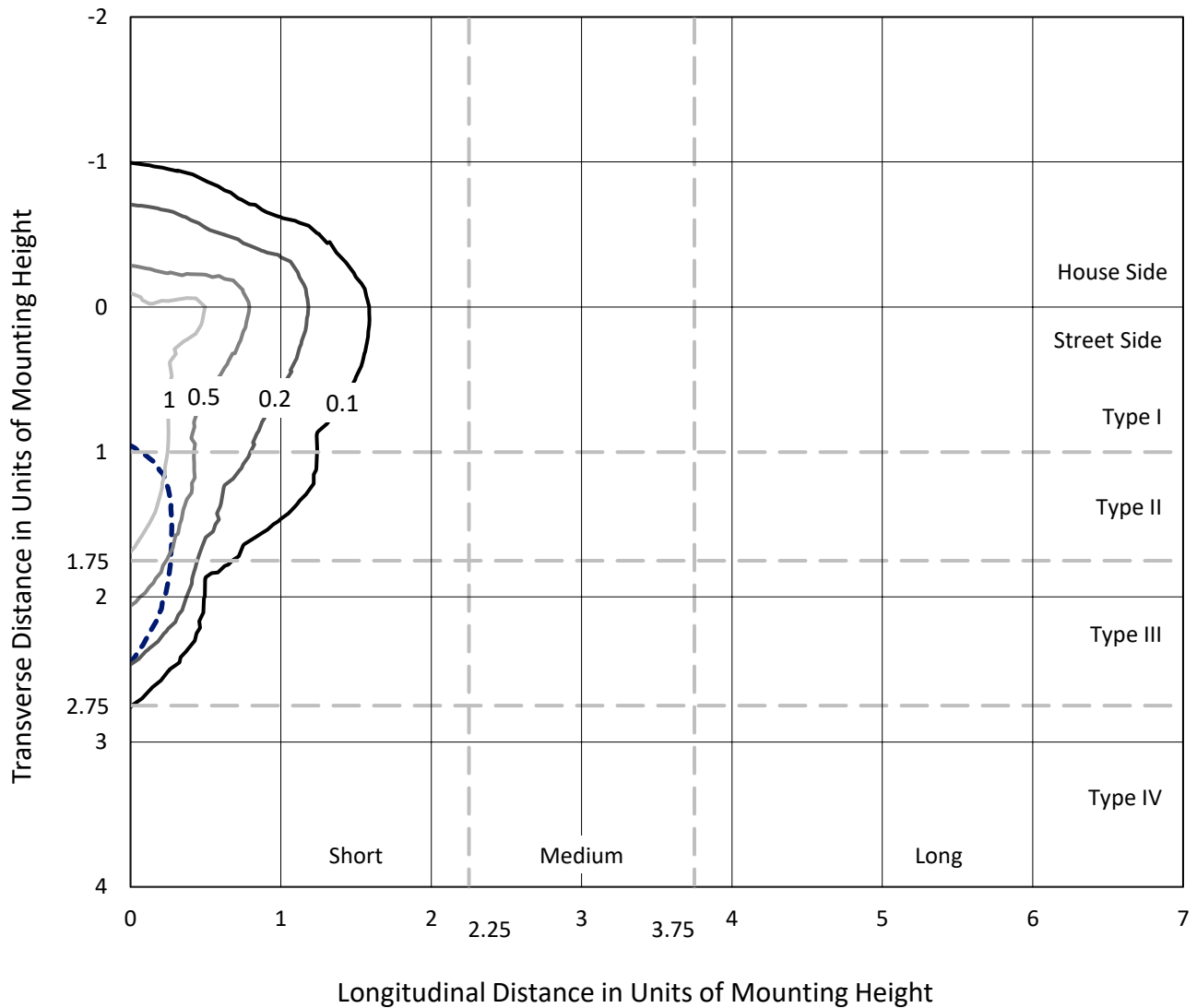
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947949
 CATALOG NUMBER: GALN-SB3A-927-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

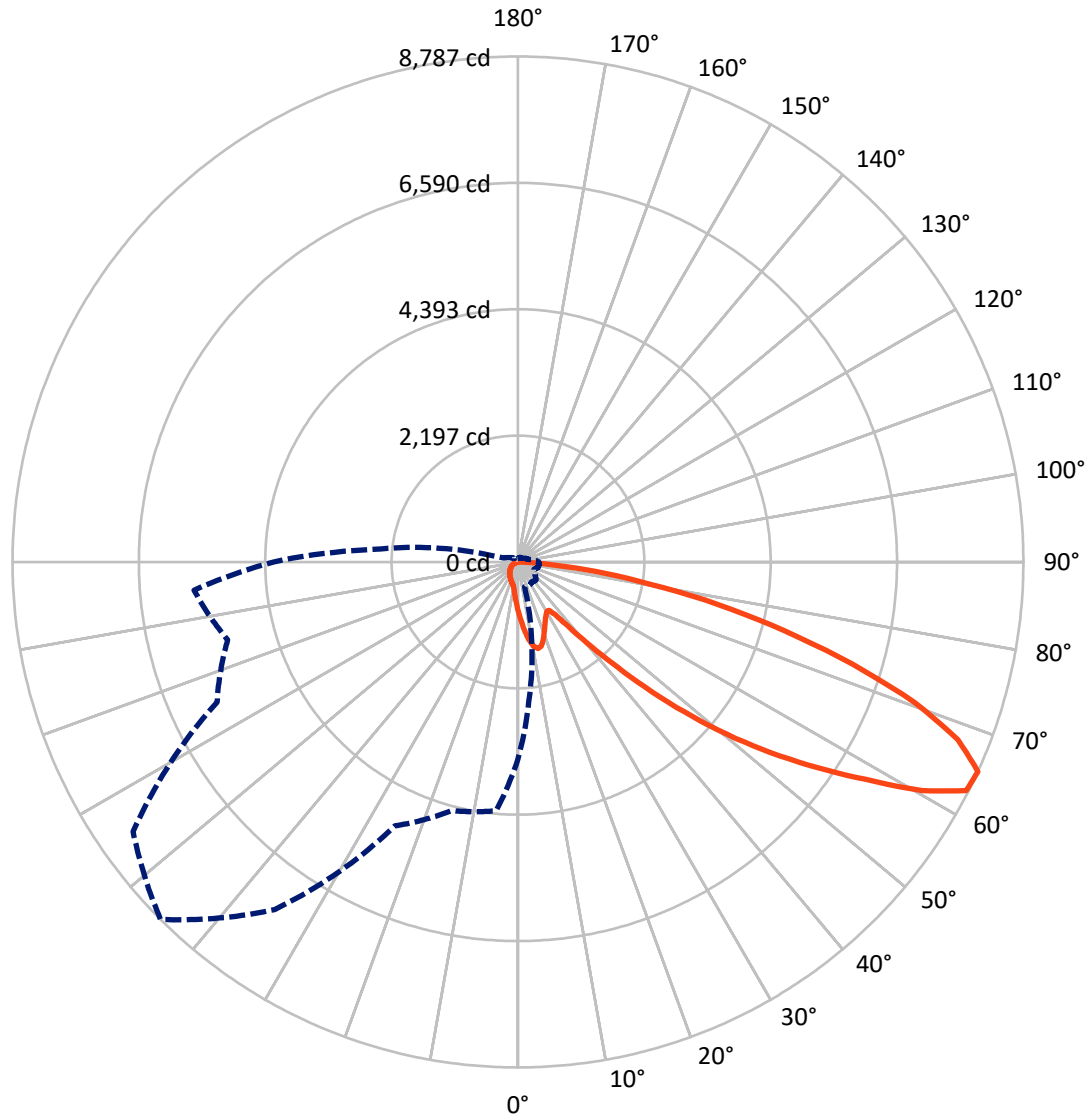
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P947949
CATALOG NUMBER: GALN-SB3A-927-U-SLR-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P947949
 CATALOG NUMBER: GALN-SB3A-927-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	875.5	0.0	875.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	5376.5	0.0	5376.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	6252.0	0.0	6252.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	1.4
10°-20°	255.5	4.1
20°-30°	376.4	6.0
30°-40°	483.6	7.7
40°-50°	782.1	12.5
50°-60°	1371.5	21.9
60°-70°	1716.1	27.4
70°-80°	1002.8	16.0
80°-90°	178.9	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°	6252.0	100.0
0°-180°	6252.0	100.0

Coefficient of Utilization



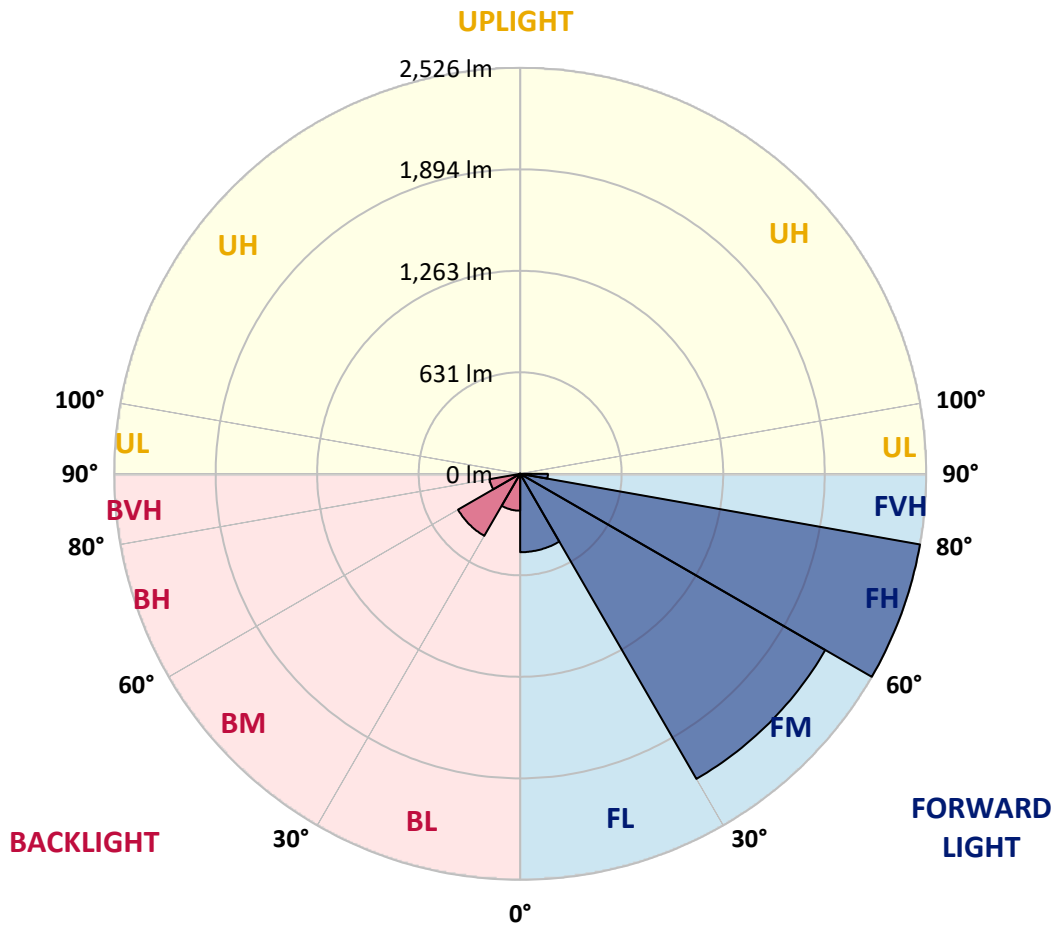
REPORT NUMBER: P947949
 CATALOG NUMBER: GALN-SB3A-927-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.6	7.8			
FM (30°-60°)	2191.3	35.0			
FH (60°-80°)	2525.5	40.4			G2/5000
FVH (80°-90°)	172.0	2.8			G2/225
BL (0°-30°)	229.5	3.7	B1/500		
BM (30°-60°)	445.8	7.1	B1/1000		
BH (60°-80°)	193.3	3.1	B1/500		G1/500
BVH (80°-90°)	6.9	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: P947949

CATALOG NUMBER: GALN-SB3A-927-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7
2.5°	978.1	961.3	951.4	926.9	902.3	882.5	855.8	838.1	817.0	796.8
5°	1090.1	1063.0	1030.2	985.4	944.5	902.7	862.3	822.2	780.0	741.2
7.5°	1184.8	1145.7	1087.9	1028.5	976.4	926.0	878.6	825.6	774.4	713.7
10°	1257.2	1207.2	1131.4	1053.5	993.6	942.8	896.7	851.9	800.2	727.0
12.5°	1301.1	1247.7	1157.7	1066.4	997.9	941.1	905.3	885.5	865.3	792.5
15°	1333.4	1275.7	1176.2	1075.5	988.0	918.2	892.0	911.8	935.0	888.5
17.5°	1367.0	1306.3	1200.4	1079.3	961.3	873.9	862.7	913.9	967.8	965.6
20°	1398.9	1338.6	1221.5	1076.7	918.2	820.0	830.0	895.4	957.9	984.1
22.5°	1435.5	1371.8	1241.7	1066.8	862.3	769.7	800.7	866.1	920.8	951.8
25°	1480.3	1413.5	1270.1	1052.2	802.0	727.9	770.9	832.1	876.5	898.0
27.5°	1528.5	1463.5	1308.0	1044.4	753.3	698.2	737.4	791.6	831.2	846.3
30°	1588.4	1521.7	1352.8	1035.8	721.4	680.9	702.5	744.7	783.4	798.5
32.5°	1653.9	1586.3	1395.9	1015.2	702.0	668.0	668.4	695.1	730.5	748.6
35°	1735.7	1663.8	1442.0	969.9	686.5	652.9	635.3	648.2	677.5	699.0
37.5°	1852.4	1765.4	1498.4	905.3	663.7	629.7	600.4	603.4	625.8	649.5
40°	2013.5	1902.0	1564.7	838.1	631.0	596.9	562.1	560.8	577.1	600.4
42.5°	2231.4	2082.4	1644.4	774.0	599.5	557.3	521.6	519.4	532.3	552.6
45°	2519.1	2313.3	1742.2	718.8	575.0	518.6	483.2	482.4	493.1	510.8
47.5°	2887.4	2634.1	1839.9	681.4	562.1	488.0	451.8	453.5	463.0	478.9
50°	3364.2	3052.4	1869.7	662.4	562.1	471.6	423.8	432.4	440.2	452.2
52.5°	3935.7	3453.8	1771.5	645.2	565.5	473.8	400.1	418.6	424.2	434.6
55°	4465.5	3650.6	1522.9	621.5	566.4	487.1	379.9	407.4	417.8	421.7
57.5°	4773.0	3583.0	1231.4	581.4	562.9	496.2	367.0	393.7	413.5	416.1
60°	4714.4	3345.7	906.6	550.9	537.5	492.7	363.1	372.6	404.0	407.9
62.5°	4263.0	2947.7	629.2	527.2	481.5	477.6	361.8	339.4	383.3	392.8
65°	3426.6	2320.6	444.5	454.0	422.1	444.9	354.9	304.9	358.3	371.3
67.5°	2486.0	1570.3	320.9	367.8	382.5	391.9	339.4	280.0	329.9	347.1
70°	1595.3	848.0	225.3	242.9	322.2	332.9	312.7	257.6	301.1	320.9
72.5°	1134.0	500.9	161.9	170.1	258.8	277.4	275.2	232.6	267.5	291.6
75°	782.6	276.1	109.4	121.5	187.8	225.3	212.3	199.8	226.5	251.1
77.5°	490.6	123.6	65.5	84.4	123.2	177.0	145.6	154.6	176.6	199.4
80°	273.1	47.8	36.6	56.0	67.2	128.8	80.5	99.5	130.1	146.4
82.5°	59.4	6.0	16.4	24.1	26.3	74.9	42.6	57.7	81.8	80.5
85°	0.0	0.0	3.0	3.4	1.7	32.3	15.5	19.0	26.7	25.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947949
 CATALOG NUMBER: GALN-SB3A-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
865.7	0°	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7
778.7	2.5°	775.3	754.2	738.6	730.9	724.4	730.5	733.9	733.9	748.6	757.2
717.5	5°	702.5	664.6	635.7	616.3	604.7	608.6	612.9	617.6	636.1	648.6
681.4	7.5°	652.1	593.9	550.0	522.9	508.7	510.8	513.8	517.7	535.8	548.3
686.5	10°	642.6	559.0	497.0	461.3	444.0	441.0	439.3	438.0	448.8	458.3
745.1	12.5°	681.4	560.8	474.2	430.7	409.6	400.5	390.2	382.0	383.8	389.8
833.8	15°	750.7	582.7	466.9	414.8	388.5	373.4	361.4	351.4	349.3	351.4
911.4	17.5°	830.0	612.5	466.0	401.0	368.2	352.7	342.8	333.8	330.8	331.2
954.9	20°	882.5	636.1	463.4	385.5	348.9	335.1	326.5	317.4	314.4	315.3
942.8	22.5°	887.7	648.6	459.6	368.2	329.5	317.9	309.2	301.1	300.6	300.6
897.6	25°	859.7	648.6	451.4	352.7	311.0	300.6	292.9	283.0	284.7	285.6
846.3	27.5°	816.2	633.1	435.9	340.3	295.0	284.3	276.5	267.5	269.6	270.9
798.5	30°	773.1	613.3	417.3	326.0	280.0	267.5	261.9	254.1	255.0	256.7
751.1	32.5°	733.0	592.2	395.4	314.4	264.9	252.4	248.1	239.5	240.8	242.5
704.6	35°	693.4	569.0	369.5	300.6	251.1	238.6	235.2	225.3	226.1	228.7
658.1	37.5°	650.8	544.4	348.4	286.8	237.7	224.8	221.4	211.0	211.9	214.9
609.9	40°	606.0	520.3	327.8	272.2	223.5	210.6	207.6	196.4	197.3	200.7
562.5	42.5°	560.8	494.0	311.8	253.3	208.9	195.1	192.1	181.8	183.0	186.9
521.1	45°	519.0	462.6	301.5	232.1	195.1	179.6	176.6	167.1	169.7	174.0
486.3	47.5°	483.2	430.3	297.2	214.5	180.5	163.7	161.1	153.3	157.6	162.4
456.5	50°	452.7	399.3	291.6	196.4	166.7	149.9	147.3	142.1	147.7	152.5
436.3	52.5°	430.7	363.9	279.5	180.0	154.6	138.3	137.4	134.8	140.0	144.3
421.2	55°	411.7	327.3	260.1	165.8	143.9	128.3	129.2	127.9	132.2	135.7
412.2	57.5°	394.5	295.5	235.6	154.6	132.2	119.7	122.3	120.6	122.7	124.9
402.7	60°	373.8	263.2	206.3	142.1	118.4	111.1	114.1	109.4	109.0	109.8
385.5	62.5°	343.3	219.7	175.7	126.6	106.4	101.6	102.9	93.9	87.0	87.0
360.1	65°	300.6	176.6	147.3	109.4	92.6	88.7	87.9	74.9	65.5	64.6
332.5	67.5°	251.1	145.1	122.3	92.2	77.1	74.5	75.4	65.9	56.4	55.6
304.9	70°	204.6	120.2	98.6	73.6	59.4	62.0	65.9	56.4	47.4	46.1
272.6	72.5°	166.2	95.6	77.1	56.4	43.9	51.3	56.0	46.1	37.5	36.6
232.6	75°	128.3	70.2	55.1	38.3	31.9	39.6	43.9	33.6	26.7	25.4
180.0	77.5°	85.7	43.5	31.0	24.1	19.0	27.1	29.3	17.7	15.5	15.1
130.9	80°	52.1	20.2	13.4	11.6	6.5	9.9	11.6	7.3	8.2	8.6
69.8	82.5°	26.3	5.6	2.2	0.4	0.0	0.0	3.4	1.7	3.4	4.3
19.0	85°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.2
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: P947949
 CATALOG NUMBER: GALN-SB3A-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
865.7	0°	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7
760.6	2.5°	784.7	802.8	820.0	847.6	876.0	904.0	932.5	960.0	969.9	977.3
656.8	5°	694.3	728.3	767.9	822.6	881.2	941.5	1002.7	1058.7	1084.1	1101.3
559.0	7.5°	600.8	645.2	702.0	784.3	876.0	972.1	1068.1	1156.4	1197.3	1230.5
466.9	10°	508.2	556.5	628.4	722.3	846.3	984.1	1116.8	1238.3	1291.2	1333.0
400.5	12.5°	426.8	472.0	547.4	651.2	799.8	974.7	1144.8	1290.8	1353.3	1400.2
353.2	15°	369.5	401.4	468.2	580.1	744.7	944.1	1146.5	1315.8	1384.3	1433.4
333.4	17.5°	337.7	348.4	391.9	507.8	683.5	904.0	1130.6	1324.4	1397.6	1443.3
315.7	20°	320.4	322.2	334.2	413.9	605.1	866.6	1115.5	1333.0	1410.1	1448.4
303.2	22.5°	306.7	306.7	309.7	338.5	503.9	821.8	1110.8	1348.1	1427.3	1451.0
289.0	25°	294.2	294.2	295.0	302.8	399.3	753.3	1107.8	1371.3	1451.0	1457.5
274.8	27.5°	281.2	281.7	281.7	286.0	321.7	660.3	1094.8	1401.5	1479.4	1466.1
261.0	30°	268.3	269.2	269.2	272.2	284.7	551.3	1069.4	1437.7	1516.5	1477.3
247.2	32.5°	255.4	256.3	256.3	258.8	267.9	440.2	1037.6	1470.8	1554.0	1482.0
233.9	35°	242.1	243.3	242.5	245.9	255.4	350.2	997.1	1504.0	1594.4	1497.1
220.9	37.5°	228.7	229.6	229.1	232.6	243.3	302.3	950.1	1529.0	1649.6	1530.7
207.2	40°	215.3	214.9	214.9	218.8	230.4	288.6	891.1	1568.6	1728.8	1589.7
193.4	42.5°	201.6	201.6	200.7	205.0	219.2	278.2	834.7	1639.7	1844.2	1683.6
180.5	45°	189.1	188.6	186.9	190.8	208.5	260.1	814.9	1772.3	2014.8	1835.6
167.5	47.5°	177.0	176.6	172.3	175.7	195.5	243.8	889.0	1989.4	2251.3	2059.2
157.2	50°	166.2	166.7	158.5	161.5	182.6	231.3	1049.6	2271.1	2565.2	2360.2
148.6	52.5°	156.3	156.3	145.6	147.3	166.7	220.1	1202.5	2576.4	2979.6	2780.2
139.5	55°	146.4	145.6	133.5	134.4	150.7	204.2	1225.3	2874.5	3544.6	3412.0
129.6	57.5°	135.2	133.5	122.3	122.3	136.1	192.5	1062.1	3103.6	4245.8	4340.6
111.1	60°	121.5	120.2	112.8	110.7	124.5	202.9	749.4	3130.3	4698.0	5575.4
88.3	62.5°	103.8	105.5	101.6	98.6	113.3	210.6	444.0	2915.4	4588.7	5968.2
68.5	65°	81.8	88.7	87.9	85.7	124.5	177.4	262.3	2502.8	4253.1	5651.2
59.9	67.5°	69.8	74.5	73.2	73.2	130.5	134.8	165.0	1955.4	3791.4	5275.2
50.0	70°	59.4	64.2	59.4	59.4	98.6	81.8	114.1	1365.3	3293.1	4859.1
40.1	72.5°	49.1	53.8	48.7	45.2	78.8	61.2	83.6	853.2	2820.2	4425.8
28.4	75°	37.5	43.1	39.2	34.9	52.1	45.7	63.3	495.7	2336.5	3786.7
17.2	77.5°	23.7	31.0	29.3	24.5	38.3	33.2	45.7	295.0	1802.9	2958.9
10.3	80°	14.6	15.9	16.4	15.5	22.0	22.4	31.0	168.0	1233.9	2062.2
6.5	82.5°	9.5	9.5	7.3	8.2	10.8	12.9	17.7	63.3	725.3	1255.5
3.9	85°	6.9	6.0	3.9	3.9	5.2	6.5	6.9	19.4	294.2	495.7
1.7	87.5°	3.4	3.0	1.3	1.7	2.6	2.2	1.7	0.9	74.1	158.5
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: P947949
 CATALOG NUMBER: GALN-SB3A-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
865.7	0°	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7
993.6	2.5°	1002.2	1015.6	1016.4	1016.4	1004.8	1004.4	980.7	978.1
1140.1	5°	1180.1	1188.7	1190.9	1186.6	1163.3	1146.1	1100.0	1090.1
1289.5	7.5°	1342.9	1360.1	1360.1	1349.8	1311.9	1276.6	1209.8	1184.8
1413.1	10°	1473.0	1492.8	1488.5	1467.4	1419.6	1370.9	1289.9	1257.2
1488.1	12.5°	1536.3	1556.5	1545.3	1521.2	1474.7	1423.5	1338.2	1301.1
1509.6	15°	1535.0	1529.4	1517.8	1514.8	1492.4	1453.6	1373.9	1333.4
1496.2	17.5°	1480.3	1432.9	1423.9	1454.0	1482.5	1473.0	1404.9	1367.0
1464.4	20°	1393.7	1311.0	1302.9	1360.6	1441.5	1482.9	1433.8	1398.9
1418.3	22.5°	1302.4	1213.3	1194.3	1258.1	1380.0	1485.9	1470.4	1435.5
1367.5	25°	1215.9	1126.3	1107.3	1166.8	1311.5	1480.7	1510.0	1480.3
1318.8	27.5°	1143.5	1056.9	1039.3	1098.7	1245.6	1466.1	1549.6	1528.5
1270.6	30°	1087.5	1007.4	994.5	1051.8	1188.7	1448.0	1600.0	1588.4
1225.8	32.5°	1054.8	996.2	1000.9	1047.9	1158.1	1428.2	1648.3	1653.9
1203.8	35°	1087.1	1089.7	1131.0	1150.4	1186.6	1425.2	1713.7	1735.7
1230.1	37.5°	1247.7	1337.3	1423.0	1407.1	1325.7	1460.1	1811.5	1852.4
1344.6	40°	1521.2	1705.1	1844.2	1783.5	1578.5	1566.9	1952.4	2013.5
1547.9	42.5°	1855.4	2167.3	2396.4	2233.6	1904.5	1753.8	2153.5	2231.4
1793.9	45°	2208.2	2737.1	3098.0	2759.5	2252.1	2015.7	2458.0	2519.1
2024.3	47.5°	2579.9	3429.6	3896.5	3342.6	2574.3	2313.7	2873.2	2887.4
2242.6	50°	2986.5	4189.0	4710.5	3925.4	2885.2	2655.3	3380.5	3364.2
2497.2	52.5°	3373.7	4969.8	5507.3	4510.7	3158.3	3079.1	3969.3	3935.7
2845.2	55°	3743.2	5750.2	6308.9	5073.2	3415.9	3639.0	4668.8	4465.5
3347.0	57.5°	4171.7	6451.8	7134.9	5638.3	3775.9	4366.0	5450.9	4773.0
4307.8	60°	4805.3	7249.1	8069.1	6412.7	4460.7	5130.0	5731.3	4714.4
5458.7	62.5°	5614.1	7982.1	8748.3	7171.5	5148.6	5273.9	5318.3	4263.0
5223.9	65°	5771.3	8167.7	8786.7	7374.4	5059.8	4473.7	4341.9	3426.6
4666.2	67.5°	5354.4	7832.2	8250.9	6996.7	4475.8	3457.2	3258.2	2486.0
4300.1	70°	4886.7	7192.6	7317.1	6354.5	3936.6	2542.8	2200.4	1595.3
4049.4	72.5°	4407.3	6339.4	6081.9	5518.5	3459.8	1851.6	1587.1	1134.0
3692.4	75°	3837.9	5217.5	4790.6	4585.2	2864.6	1453.2	1148.2	782.6
3176.0	77.5°	3073.5	3672.6	3558.4	3554.1	2152.6	1061.7	766.2	490.6
2481.2	80°	2168.1	2383.5	2325.3	2676.8	1444.1	770.1	461.3	273.1
1727.1	82.5°	1049.6	1317.9	1352.8	1594.0	702.5	453.1	106.4	59.4
675.3	85°	410.9	635.7	536.2	605.1	197.3	126.2	2.6	0.0
111.1	87.5°	46.1	73.6	67.6	53.4	24.1	5.2	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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