

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: P946246

Luminaire Tested: **GALN-SB1D-950-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946246
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-SB1D-950-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5404 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

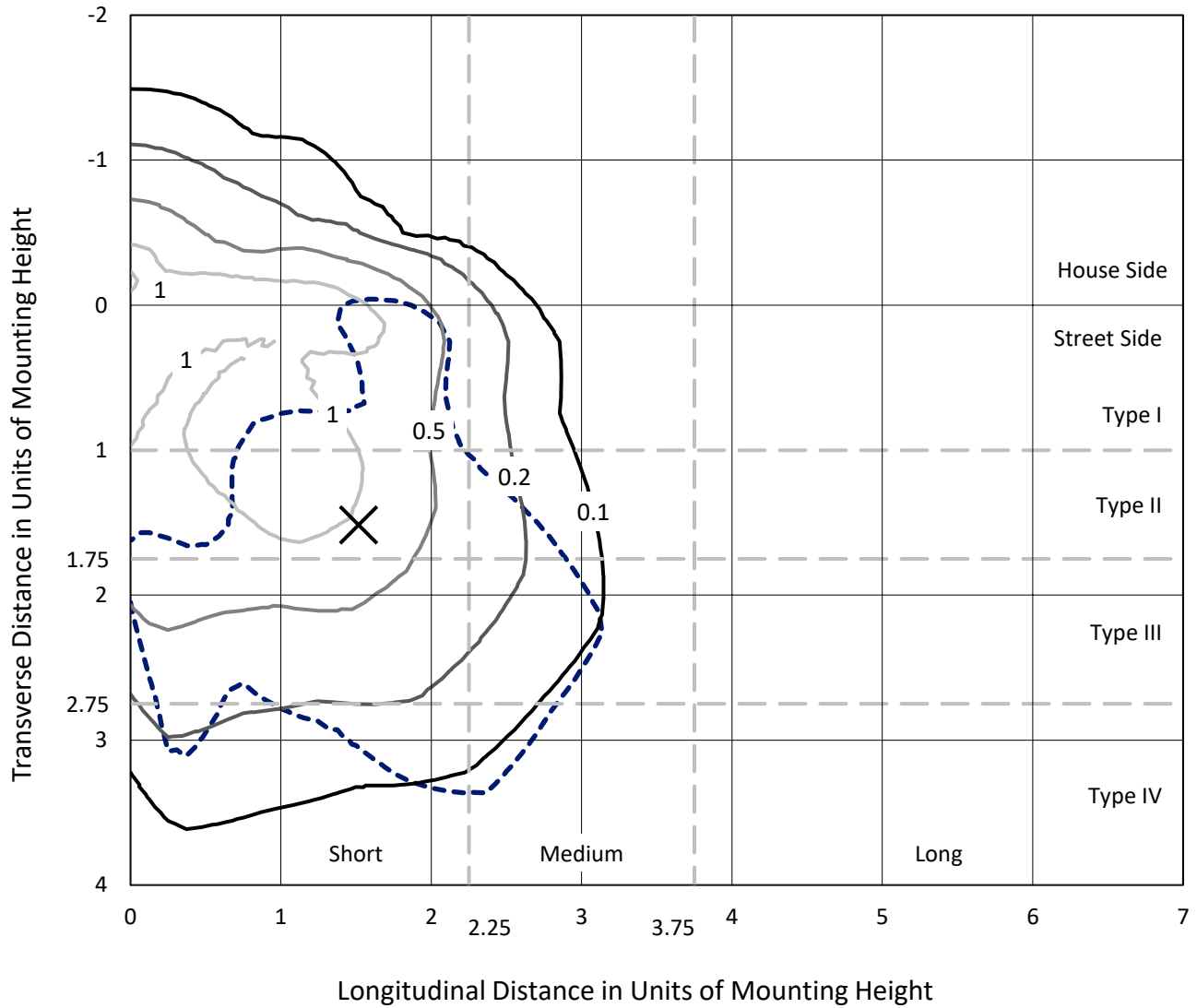
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946246
 CATALOG NUMBER: GALN-SB1D-950-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

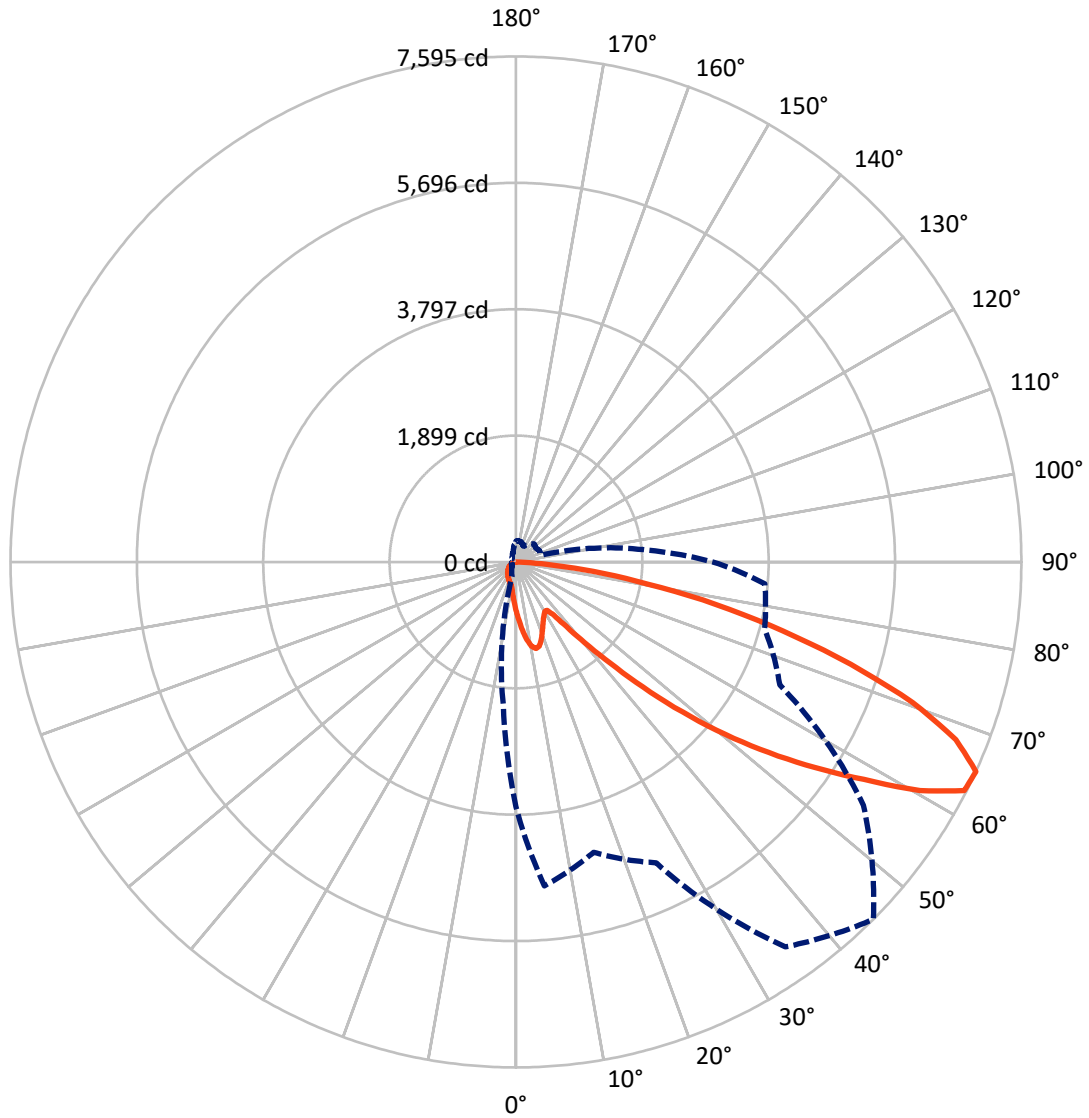
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - N/A

REPORT NUMBER: P946246
CATALOG NUMBER: GALN-SB1D-950-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P946246

CATALOG NUMBER: GALN-SB1D-950-U-SLL-HSS

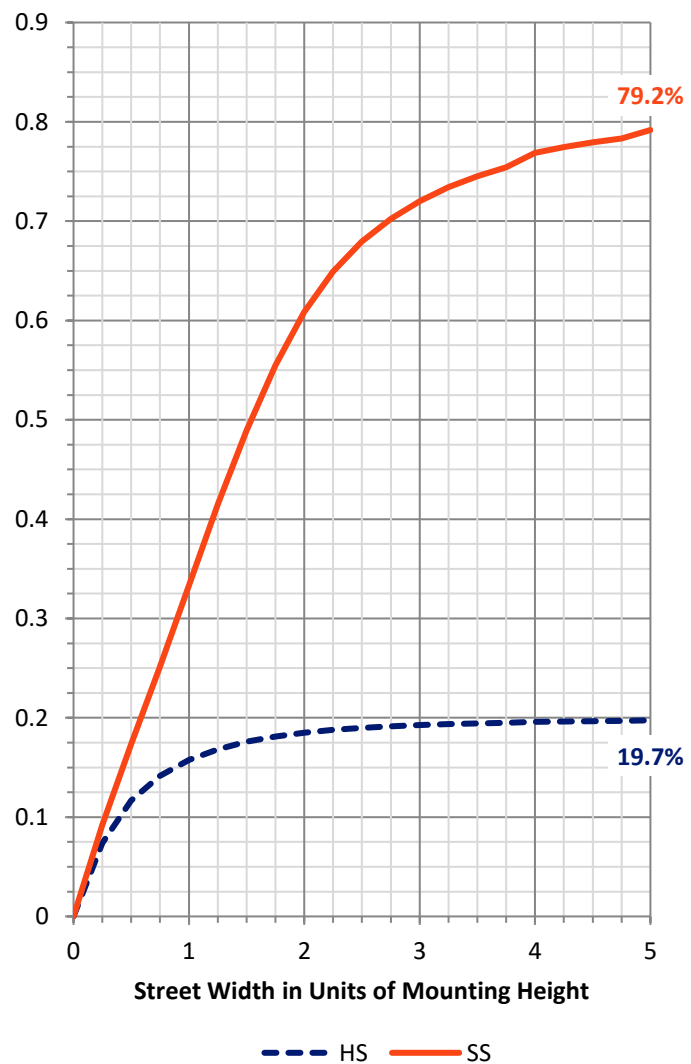
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1074.2	0.0	1074.2
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4329.9	0.0	4329.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	5404.0	0.0	5404.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	1.4
10°-20°	220.8	4.1
20°-30°	325.3	6.0
30°-40°	418.0	7.7
40°-50°	676.0	12.5
50°-60°	1185.4	21.9
60°-70°	1483.3	27.4
70°-80°	866.8	16.0
80°-90°	154.6	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°	5404.0	100.0
0°-180°	5404.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946246

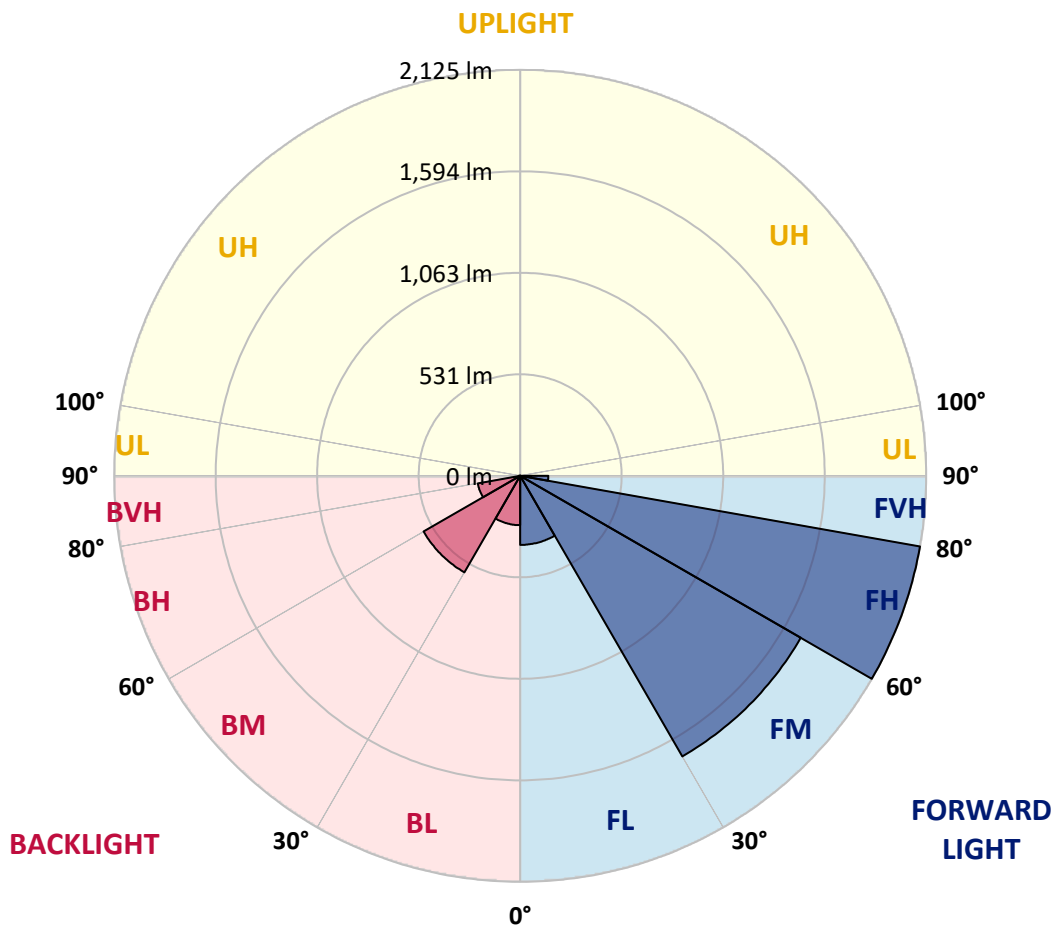
CATALOG NUMBER: GALN-SB1D-950-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.6	6.7			
FM (30°-60°)	1695.8	31.4			
FH (60°-80°)	2125.0	39.3			G2/5000
FVH (80°-90°)	147.4	2.7			G2/225
BL (0°-30°)	258.3	4.8	B1/500		
BM (30°-60°)	583.6	10.8	B1/1000		
BH (60°-80°)	225.1	4.2	B1/500		G1/500
BVH (80°-90°)	7.2	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: P946246

CATALOG NUMBER: GALN-SB1D-950-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
2.5°	838.4	844.7	858.8	866.3	877.8	878.6	878.6	868.5	868.2	847.7
5°	937.0	951.9	985.4	1020.0	1027.5	1029.4	1025.6	1005.5	990.6	950.8
7.5°	1034.9	1063.6	1114.6	1160.8	1175.7	1175.7	1166.7	1134.0	1103.4	1045.7
10°	1116.1	1152.2	1221.4	1273.2	1290.3	1286.6	1268.4	1227.0	1185.0	1115.0
12.5°	1169.7	1210.3	1286.2	1327.9	1345.4	1335.7	1314.9	1274.7	1230.4	1156.7
15°	1196.5	1238.9	1304.8	1326.8	1322.0	1311.9	1309.3	1289.9	1256.4	1187.6
17.5°	1208.0	1247.5	1293.3	1279.5	1238.6	1230.8	1256.8	1281.4	1273.2	1214.4
20°	1218.8	1252.0	1265.7	1204.7	1133.2	1126.1	1176.0	1246.0	1281.8	1239.3
22.5°	1233.7	1254.2	1225.9	1125.8	1048.7	1032.3	1087.4	1192.8	1284.4	1271.0
25°	1254.2	1259.8	1182.0	1050.9	973.5	957.1	1008.5	1133.6	1279.9	1305.2
27.5°	1278.8	1267.2	1139.9	988.4	913.6	898.3	949.7	1076.6	1267.2	1339.5
30°	1310.8	1276.9	1098.2	940.0	870.8	859.6	909.1	1027.5	1251.6	1383.0
32.5°	1343.2	1281.0	1059.5	911.7	861.1	865.2	905.8	1001.1	1234.5	1424.7
35°	1378.2	1294.0	1040.5	939.6	941.9	977.6	994.4	1025.6	1231.9	1481.3
37.5°	1425.8	1323.1	1063.2	1078.5	1155.9	1230.0	1216.2	1145.9	1262.0	1565.8
40°	1494.3	1374.1	1162.3	1314.9	1473.9	1594.1	1541.6	1364.4	1354.4	1687.5
42.5°	1594.1	1455.2	1338.0	1603.8	1873.3	2071.4	1930.6	1646.2	1515.9	1861.4
45°	1741.5	1586.7	1550.5	1908.7	2365.8	2677.8	2385.2	1946.6	1742.3	2124.6
47.5°	1945.9	1779.9	1749.7	2230.0	2964.5	3368.0	2889.3	2225.1	1999.9	2483.5
50°	2217.3	2040.1	1938.5	2581.4	3620.8	4071.6	3393.0	2493.9	2295.1	2922.0
52.5°	2575.4	2403.1	2158.5	2916.1	4295.7	4760.3	3898.9	2729.9	2661.4	3430.9
55°	3063.9	2949.2	2459.3	3235.5	4970.3	5453.1	4385.1	2952.5	3145.4	4035.5
57.5°	3669.9	3751.8	2893.0	3605.9	5576.7	6167.2	4873.5	3263.8	3773.8	4711.6
60°	4060.8	4819.2	3723.5	4153.5	6265.8	6974.6	5542.9	3855.7	4434.2	4953.9
62.5°	3966.3	5158.7	4718.3	4852.7	6899.4	7561.7	6198.8	4450.2	4558.6	4596.9
65°	3676.3	4884.7	4515.4	4988.5	7059.9	7594.9	6374.2	4373.5	3866.9	3752.9
67.5°	3277.2	4559.7	4033.3	4628.2	6769.9	7131.8	6047.7	3868.7	2988.3	2816.3
70°	2846.4	4200.1	3716.8	4223.9	6217.1	6324.7	5492.6	3402.6	2197.9	1902.0
72.5°	2437.7	3825.5	3500.2	3809.5	5479.6	5257.0	4770.0	2990.5	1600.4	1371.8
75°	2019.6	3273.1	3191.5	3317.4	4509.8	4140.9	3963.3	2476.0	1256.1	992.5
77.5°	1558.4	2557.6	2745.2	2656.6	3174.4	3075.8	3072.0	1860.7	917.7	662.3
80°	1066.6	1782.5	2144.7	1874.1	2060.2	2009.9	2313.7	1248.3	665.6	398.7
82.5°	626.9	1085.2	1492.8	907.2	1139.2	1169.3	1377.8	607.2	391.6	92.0
85°	254.3	428.5	583.7	355.2	549.5	463.5	523.1	170.5	109.1	2.2
87.5°	64.0	137.0	96.0	39.8	63.7	58.4	46.2	20.8	4.5	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: P946246
 CATALOG NUMBER: GALN-SB1D-950-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
748.3	0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
845.4	2.5°	830.9	822.4	801.1	779.9	762.8	739.7	724.5	706.2	688.7	673.1
942.2	5°	918.8	890.5	851.8	816.4	780.3	745.3	710.7	674.2	640.7	620.2
1024.1	7.5°	990.3	940.4	889.0	844.0	800.4	759.4	713.7	669.4	616.9	588.9
1086.7	10°	1043.5	978.0	910.6	858.8	814.9	775.1	736.4	691.7	628.4	593.4
1124.7	12.5°	1078.5	1000.7	921.8	862.6	813.4	782.5	765.4	747.9	685.0	644.0
1152.6	15°	1102.7	1016.7	929.6	854.0	793.7	771.0	788.1	808.2	768.0	720.7
1181.6	17.5°	1129.1	1037.5	932.9	830.9	755.4	745.7	790.0	836.5	834.6	787.7
1209.2	20°	1157.0	1055.8	930.7	793.7	708.8	717.4	774.0	827.9	850.7	825.3
1240.8	22.5°	1185.7	1073.3	922.1	745.3	665.3	692.1	748.7	795.9	822.7	814.9
1279.5	25°	1221.8	1097.9	909.5	693.2	629.2	666.4	719.2	757.6	776.2	775.8
1321.2	27.5°	1265.0	1130.6	902.8	651.1	603.5	637.3	684.2	718.5	731.5	731.5
1373.0	30°	1315.3	1169.3	895.3	623.6	588.6	607.2	643.7	677.2	690.2	690.2
1429.6	32.5°	1371.1	1206.6	877.5	606.8	577.4	577.8	600.9	631.4	647.0	649.3
1500.3	35°	1438.1	1246.4	838.4	593.4	564.4	549.1	560.3	585.6	604.2	609.0
1601.2	37.5°	1526.0	1295.2	782.5	573.7	544.3	519.0	521.6	540.9	561.4	568.8
1740.4	40°	1644.0	1352.5	724.5	545.4	516.0	485.8	484.7	498.9	519.0	527.1
1928.8	42.5°	1800.0	1421.4	669.0	518.2	481.7	450.8	449.0	460.1	477.6	486.2
2177.5	45°	1999.5	1505.9	621.3	497.0	448.2	417.7	417.0	426.3	441.5	450.5
2495.8	47.5°	2276.9	1590.4	588.9	485.8	421.8	390.5	392.0	400.2	414.0	420.3
2907.9	50°	2638.3	1616.1	572.6	485.8	407.6	366.3	373.8	380.5	390.9	394.6
3401.9	52.5°	2985.3	1531.2	557.7	488.8	409.5	345.8	361.9	366.7	375.6	377.1
3859.8	55°	3155.4	1316.4	537.2	489.5	421.0	328.4	352.2	361.1	364.5	364.1
4125.6	57.5°	3097.0	1064.3	502.6	486.6	428.9	317.2	340.3	357.4	359.6	356.3
4075.0	60°	2891.9	783.6	476.1	464.6	425.9	313.8	322.0	349.2	352.5	348.1
3684.8	62.5°	2547.9	543.9	455.7	416.2	412.9	312.7	293.4	331.3	339.5	333.2
2961.9	65°	2005.8	384.2	392.4	364.8	384.6	306.8	263.6	309.7	320.9	311.2
2148.8	67.5°	1357.3	277.3	317.9	330.6	338.8	293.4	242.0	285.2	300.1	287.4
1378.9	70°	733.0	194.7	210.0	278.5	287.8	270.3	222.6	260.2	277.3	263.6
980.2	72.5°	433.0	140.0	147.1	223.7	239.7	237.9	201.0	231.2	252.0	235.7
676.4	75°	238.6	94.6	105.0	162.3	194.7	183.5	172.7	195.8	217.0	201.0
424.0	77.5°	106.8	56.6	73.0	106.5	153.0	125.8	133.6	152.6	172.4	155.6
236.0	80°	41.3	31.6	48.4	58.1	111.3	69.6	86.0	112.4	126.6	113.2
51.4	82.5°	5.2	14.1	20.8	22.7	64.8	36.9	49.9	70.7	69.6	60.3
0.0	85°	0.0	2.6	3.0	1.5	27.9	13.4	16.4	23.1	21.6	16.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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: P946246
 CATALOG NUMBER: GALN-SB1D-950-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
748.3	0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
670.1	2.5°	651.9	638.5	631.8	626.2	631.4	634.4	634.4	647.0	654.5	657.4
607.2	5°	574.4	549.5	532.7	522.7	526.0	529.8	533.8	549.9	560.7	567.7
563.6	7.5°	513.4	475.4	451.9	439.7	441.5	444.1	447.5	463.1	473.9	483.2
555.4	10°	483.2	429.6	398.7	383.8	381.2	379.7	378.6	387.9	396.1	403.6
588.9	12.5°	484.7	409.9	372.3	354.0	346.2	337.3	330.2	331.7	336.9	346.2
648.9	15°	503.7	403.6	358.5	335.8	322.8	312.3	303.8	301.9	303.8	305.3
717.4	17.5°	529.4	402.8	346.6	318.3	304.9	296.3	288.5	285.9	286.3	288.1
762.8	20°	549.9	400.6	333.2	301.5	289.6	282.2	274.4	271.8	272.5	272.9
767.3	22.5°	560.7	397.2	318.3	284.8	274.7	267.3	260.2	259.9	259.9	262.1
743.1	25°	560.7	390.1	304.9	268.8	259.9	253.1	244.6	246.1	246.8	249.8
705.5	27.5°	547.3	376.7	294.1	255.0	245.7	239.0	231.2	233.0	234.2	237.5
668.2	30°	530.1	360.7	281.8	242.0	231.2	226.3	219.6	220.4	221.9	225.6
633.6	32.5°	511.9	341.8	271.8	229.0	218.2	214.4	207.0	208.1	209.6	213.7
599.4	35°	491.8	319.4	259.9	217.0	206.2	203.3	194.7	195.4	197.7	202.1
562.5	37.5°	470.6	301.2	247.9	205.5	194.3	191.4	182.4	183.2	185.8	191.0
523.8	40°	449.7	283.3	235.3	193.2	182.0	179.4	169.8	170.5	173.5	179.1
484.7	42.5°	427.0	269.5	218.9	180.6	168.6	166.0	157.1	158.2	161.6	167.2
448.6	45°	399.8	260.6	200.7	168.6	155.2	152.6	144.4	146.7	150.4	156.0
417.7	47.5°	371.9	256.9	185.4	156.0	141.5	139.2	132.5	136.3	140.3	144.8
391.3	50°	345.1	252.0	169.8	144.1	129.6	127.3	122.9	127.7	131.8	135.9
372.3	52.5°	314.6	241.6	155.6	133.6	119.5	118.8	116.5	121.0	124.7	128.4
355.9	55°	282.9	224.9	143.3	124.3	110.9	111.7	110.6	114.3	117.3	120.6
341.0	57.5°	255.4	203.6	133.6	114.3	103.5	105.7	104.2	106.1	108.0	112.1
323.1	60°	227.5	178.3	122.9	102.4	96.0	98.7	94.6	94.2	94.9	96.0
296.7	62.5°	189.9	151.9	109.5	92.0	87.9	89.0	81.2	75.2	75.2	76.3
259.9	65°	152.6	127.3	94.6	80.0	76.7	75.9	64.8	56.6	55.8	59.2
217.0	67.5°	125.5	105.7	79.7	66.6	64.4	65.1	57.0	48.8	48.0	51.7
176.8	70°	103.9	85.3	63.7	51.4	53.6	57.0	48.8	41.0	39.8	43.2
143.7	72.5°	82.6	66.6	48.8	38.0	44.3	48.4	39.8	32.4	31.6	34.6
110.9	75°	60.7	47.7	33.1	27.5	34.2	38.0	29.0	23.1	22.0	24.6
74.1	77.5°	37.6	26.8	20.8	16.4	23.5	25.3	15.3	13.4	13.0	14.9
45.0	80°	17.5	11.5	10.1	5.6	8.6	10.1	6.3	7.1	7.4	8.9
22.7	82.5°	4.8	1.9	0.4	0.0	0.0	3.0	1.5	3.0	3.7	5.6
1.9	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	3.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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: P946246
 CATALOG NUMBER: GALN-SB1D-950-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
748.3	0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
678.3	2.5°	693.9	708.8	732.6	757.2	781.4	806.0	829.8	838.4
600.1	5°	629.5	663.8	711.1	761.7	813.8	866.7	915.1	937.0
519.3	7.5°	557.7	606.8	677.9	757.2	840.2	923.3	999.6	1034.9
439.3	10°	481.0	543.2	624.3	731.5	850.7	965.3	1070.3	1116.1
368.9	12.5°	408.0	473.2	562.9	691.3	842.5	989.5	1115.7	1169.7
319.4	15°	347.0	404.7	501.5	643.7	816.0	991.0	1137.3	1196.5
291.9	17.5°	301.2	338.8	438.9	590.8	781.4	977.2	1144.8	1208.0
277.0	20°	278.5	288.9	357.8	523.1	749.0	964.2	1152.2	1218.8
265.1	22.5°	265.1	267.7	292.6	435.6	710.3	960.1	1165.2	1233.7
254.3	25°	254.3	255.0	261.7	345.1	651.1	957.5	1185.3	1254.2
243.1	27.5°	243.5	243.5	247.2	278.1	570.7	946.3	1211.4	1278.8
231.9	30°	232.7	232.7	235.3	246.1	476.5	924.4	1242.7	1310.8
220.8	32.5°	221.5	221.5	223.7	231.6	380.5	896.8	1271.3	1343.2
209.2	35°	210.3	209.6	212.6	220.8	302.7	861.8	1300.0	1378.2
197.7	37.5°	198.4	198.1	201.0	210.3	261.3	821.2	1321.6	1425.8
186.1	40°	185.8	185.8	189.1	199.2	249.4	770.2	1355.8	1494.3
174.2	42.5°	174.2	173.5	177.2	189.5	240.5	721.5	1417.3	1594.1
163.4	45°	163.1	161.6	164.9	180.2	224.9	704.4	1531.9	1741.5
153.0	47.5°	152.6	148.9	151.9	169.0	210.7	768.4	1719.6	1945.9
143.7	50°	144.1	137.0	139.6	157.8	199.9	907.2	1963.0	2217.3
135.1	52.5°	135.1	125.8	127.3	144.1	190.2	1039.4	2227.0	2575.4
126.6	55°	125.8	115.4	116.2	130.3	176.5	1059.1	2484.6	3063.9
116.9	57.5°	115.4	105.7	105.7	117.6	166.4	918.0	2682.6	3669.9
105.0	60°	103.9	97.5	95.7	107.6	175.3	647.8	2705.7	4060.8
89.7	62.5°	91.2	87.9	85.3	97.9	182.0	383.8	2520.0	3966.3
70.7	65°	76.7	75.9	74.1	107.6	153.4	226.7	2163.3	3676.3
60.3	67.5°	64.4	63.3	63.3	112.8	116.5	142.6	1690.1	3277.2
51.4	70°	55.5	51.4	51.4	85.3	70.7	98.7	1180.1	2846.4
42.4	72.5°	46.5	42.1	39.1	68.1	52.9	72.2	737.5	2437.7
32.4	75°	37.2	33.9	30.2	45.0	39.5	54.7	428.5	2019.6
20.5	77.5°	26.8	25.3	21.2	33.1	28.7	39.5	255.0	1558.4
12.7	80°	13.8	14.1	13.4	19.0	19.4	26.8	145.2	1066.6
8.2	82.5°	8.2	6.3	7.1	9.3	11.2	15.3	54.7	626.9
6.0	85°	5.2	3.4	3.4	4.5	5.6	6.0	16.8	254.3
3.0	87.5°	2.6	1.1	1.5	2.2	1.9	1.5	0.7	64.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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