

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: P953722

Luminaire Tested: **GALN-SB7A-940-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953722
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-SB7A-940-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17643 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

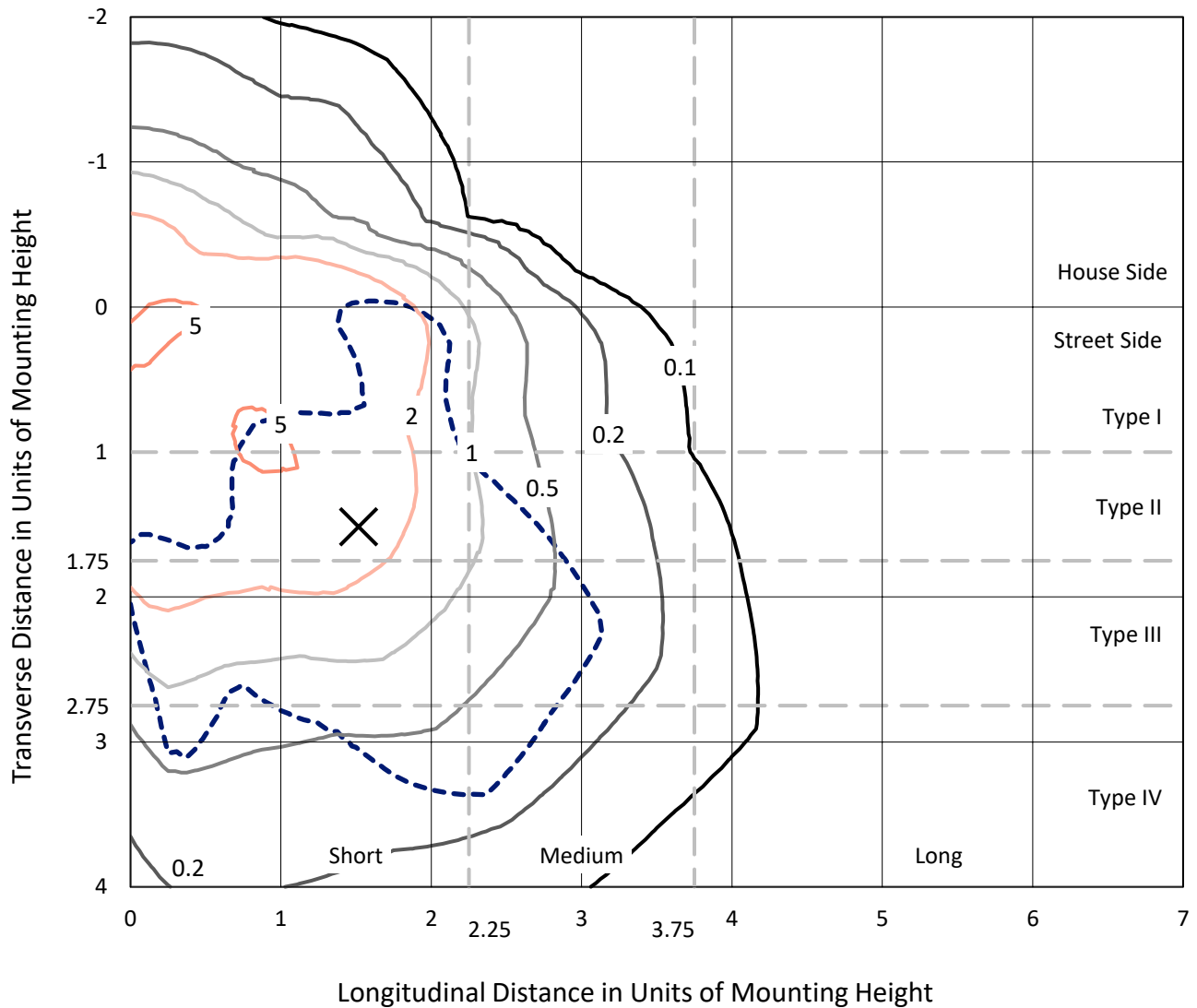
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

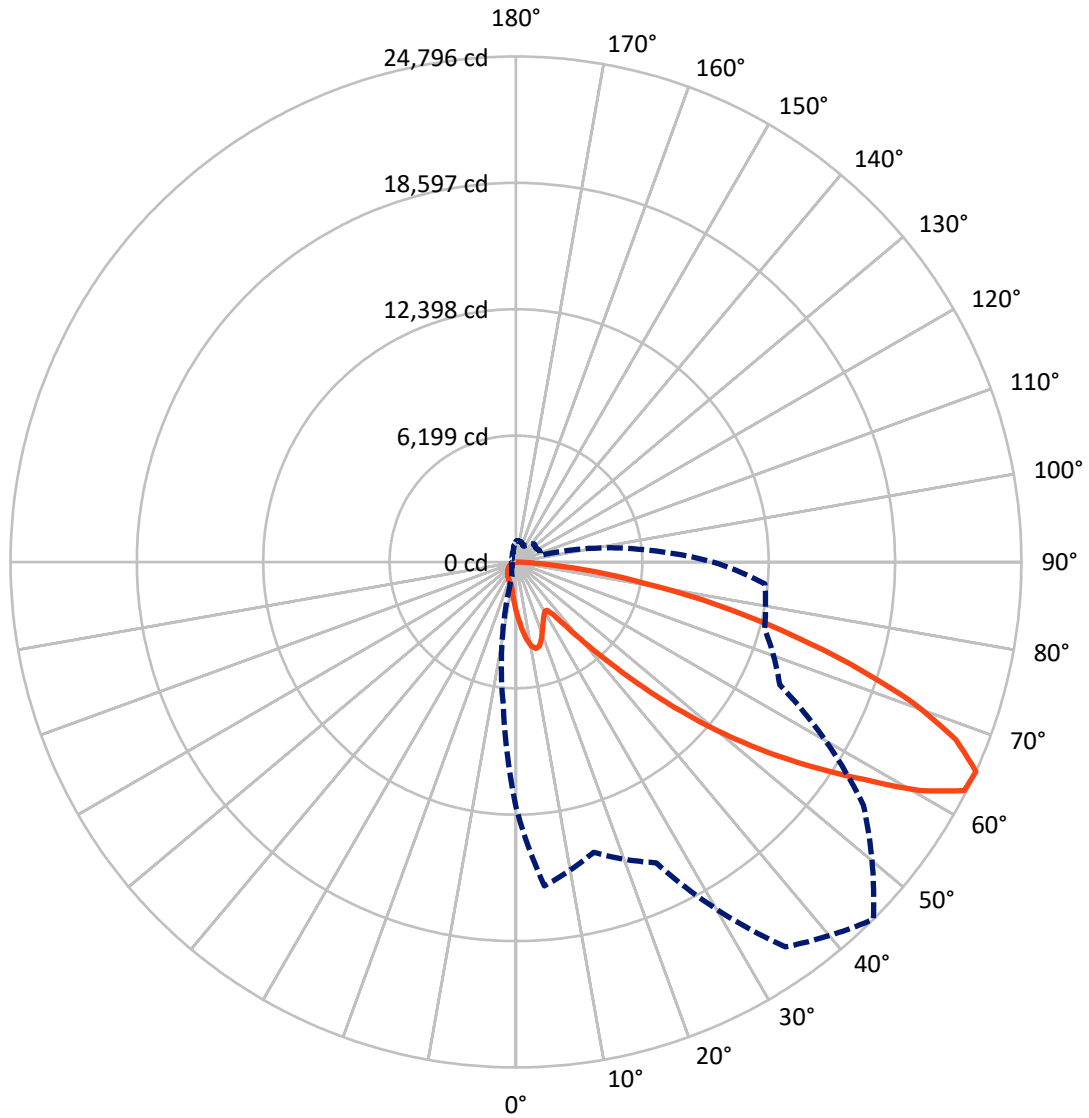
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3506.9	0.0	3506.9
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	14136.1	0.0	14136.1
	% Fixture	80.1	0.0	80.1
Total	Lumens	17643.0	0.0	17643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.5	1.4
10°-20°	721.0	4.1
20°-30°	1062.2	6.0
30°-40°	1364.6	7.7
40°-50°	2207.0	12.5
50°-60°	3870.2	21.9
60°-70°	4842.7	27.4
70°-80°	2829.8	16.0
80°-90°	504.9	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°	17643.0	100.0
0°-180°	17643.0	100.0

Coefficient of Utilization



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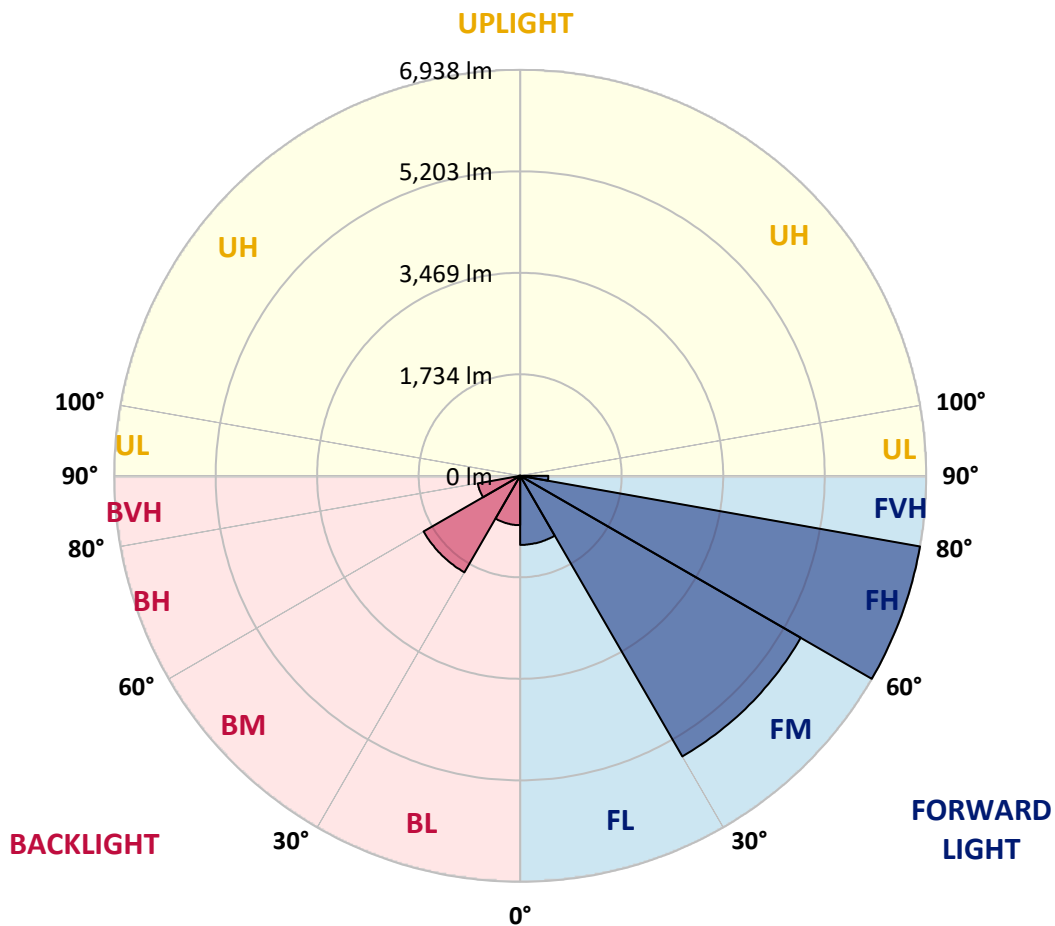
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1180.5	6.7			
FM (30°-60°)	5536.6	31.4			
FH (60°-80°)	6937.8	39.3			G3/7500
FVH (80°-90°)	481.2	2.7			G3/500
BL (0°-30°)	843.2	4.8	B2/1000		
BM (30°-60°)	1905.3	10.8	B2/2500		
BH (60°-80°)	734.8	4.2	B2/1000		G2/1000
BVH (80°-90°)	23.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0
2.5°	2737.1	2757.8	2804.0	2828.3	2866.0	2868.4	2868.4	2835.6	2834.4	2767.5
5°	3059.2	3107.8	3217.2	3330.2	3354.6	3360.6	3348.5	3282.8	3234.2	3104.2
7.5°	3378.9	3472.5	3639.0	3789.7	3838.3	3838.3	3809.1	3702.2	3602.5	3414.1
10°	3643.8	3761.7	3987.8	4156.7	4212.6	4200.5	4140.9	4006.0	3868.7	3640.2
12.5°	3818.8	3951.3	4199.3	4335.4	4392.5	4360.9	4292.9	4161.6	4017.0	3776.3
15°	3906.4	4044.9	4260.0	4331.8	4316.0	4283.1	4274.6	4211.4	4102.0	3877.2
17.5°	3944.0	4072.9	4222.4	4177.4	4043.7	4018.2	4103.3	4183.5	4156.7	3964.7
20°	3979.3	4087.5	4132.4	3933.1	3699.7	3676.6	3839.5	4068.0	4184.7	4046.1
22.5°	4027.9	4094.7	4002.4	3675.4	3423.8	3370.4	3550.2	3894.2	4193.2	4149.4
25°	4094.7	4113.0	3859.0	3431.1	3178.3	3124.8	3292.6	3700.9	4178.6	4261.3
27.5°	4175.0	4137.3	3721.6	3226.9	2982.6	2932.8	3100.5	3515.0	4137.3	4373.1
30°	4279.5	4168.9	3585.5	3068.9	2842.9	2806.4	2968.1	3354.6	4086.2	4515.3
32.5°	4385.2	4182.3	3459.1	2976.6	2811.3	2824.6	2957.1	3268.3	4030.3	4651.4
35°	4499.5	4224.8	3397.1	3067.7	3075.0	3191.7	3246.4	3348.5	4021.8	4836.1
37.5°	4655.1	4319.6	3471.2	3521.1	3773.9	4015.7	3970.8	3741.1	4120.3	5112.0
40°	4878.7	4486.1	3794.5	4292.9	4811.8	5204.4	5033.0	4454.5	4421.7	5509.5
42.5°	5204.4	4751.1	4368.2	5236.0	6116.0	6762.6	6303.2	5374.6	4949.2	6077.1
45°	5685.7	5180.1	5062.2	6231.5	7724.0	8742.5	7787.2	6355.4	5688.2	6936.4
47.5°	6353.0	5810.9	5712.5	7280.4	9678.4	10995.9	9432.9	7264.6	6529.2	8108.1
50°	7239.0	6660.5	6328.7	8427.7	11821.2	13293.0	11077.3	8142.1	7493.1	9539.8
52.5°	8408.3	7845.5	7047.0	9520.4	14024.7	15541.6	12729.1	8912.7	8689.0	11201.3
55°	10002.9	9628.5	8029.1	10563.2	16227.1	17803.4	14316.4	9639.5	10269.1	13175.1
57.5°	11981.6	12249.0	9445.0	11772.5	18207.0	20134.6	15911.0	10655.6	12320.7	15382.3
60°	13257.8	15733.6	12156.6	13560.4	20456.7	22770.9	18096.4	12588.1	14476.8	16173.6
62.5°	12949.1	16842.1	15404.2	15843.0	22525.3	24687.6	20237.9	14529.1	14882.8	15008.0
65°	12002.3	15947.5	14741.8	16286.6	23049.2	24795.8	20810.4	14278.7	12624.6	12252.6
67.5°	10699.3	14886.4	13167.8	15110.1	22102.4	23283.8	19744.5	12630.6	9756.2	9194.6
70°	9293.1	13712.4	12134.7	13790.1	20297.5	20648.7	17932.3	11108.9	7175.8	6209.6
72.5°	7958.6	12489.6	11427.4	12437.4	17889.7	17162.9	15573.2	9763.5	5225.1	4478.8
75°	6593.6	10686.0	10419.8	10830.6	14723.6	13519.1	12939.3	8083.7	4100.8	3240.3
77.5°	5087.7	8349.9	8962.5	8673.2	10363.9	10041.8	10029.6	6074.7	2996.0	2162.2
80°	3482.2	5819.4	7002.0	6118.4	6726.1	6562.0	7553.8	4075.3	2173.2	1301.7
82.5°	2046.8	3542.9	4873.8	2962.0	3719.2	3817.6	4498.3	1982.3	1278.6	300.2
85°	830.1	1398.9	1905.8	1159.5	1794.0	1513.2	1707.7	556.7	356.1	7.3
87.5°	209.1	447.3	313.6	130.0	207.8	190.8	150.7	68.1	14.6	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2443.0	0°	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0
2760.2	2.5°	2712.8	2684.9	2615.6	2546.3	2490.4	2415.0	2365.2	2305.6	2248.5	2197.5
3076.2	5°	2999.7	2907.3	2780.9	2665.4	2547.5	2433.3	2320.2	2201.1	2091.7	2024.9
3343.6	7.5°	3233.0	3070.1	2902.4	2755.4	2613.1	2479.5	2330.0	2185.3	2013.9	1922.8
3547.8	10°	3406.8	3192.9	2972.9	2804.0	2660.6	2530.5	2404.1	2258.2	2051.6	1937.4
3671.8	12.5°	3521.1	3267.0	3009.4	2816.1	2655.7	2554.8	2498.9	2441.8	2236.4	2102.7
3762.9	15°	3600.1	3319.3	3034.9	2788.2	2591.3	2517.1	2573.0	2638.7	2507.4	2353.1
3857.7	17.5°	3686.4	3387.4	3045.8	2712.8	2466.1	2434.5	2579.1	2731.0	2725.0	2571.8
3947.7	20°	3777.5	3446.9	3038.5	2591.3	2314.2	2342.1	2526.9	2703.1	2777.2	2694.6
4051.0	22.5°	3871.1	3504.1	3010.6	2433.3	2172.0	2259.5	2444.2	2598.6	2686.1	2660.6
4177.4	25°	3989.0	3584.3	2969.3	2263.1	2054.1	2175.6	2348.2	2473.4	2534.1	2532.9
4313.5	27.5°	4130.0	3691.2	2947.4	2125.8	1970.2	2080.8	2233.9	2345.8	2388.3	2388.3
4482.5	30°	4294.1	3817.6	2923.1	2035.8	1921.6	1982.3	2101.5	2210.8	2253.4	2253.4
4667.2	32.5°	4476.4	3939.2	2864.7	1981.1	1885.1	1886.3	1961.7	2061.3	2112.4	2119.7
4898.1	35°	4695.2	4069.2	2737.1	1937.4	1842.6	1792.7	1829.2	1911.9	1972.6	1988.4
5227.5	37.5°	4982.0	4228.4	2554.8	1873.0	1776.9	1694.3	1702.8	1766.0	1832.9	1857.2
5682.1	40°	5367.3	4415.6	2365.2	1780.6	1684.6	1586.1	1582.5	1628.7	1694.3	1721.0
6297.1	42.5°	5876.5	4640.5	2184.1	1691.9	1572.8	1471.9	1465.8	1502.3	1559.4	1587.3
7109.0	45°	6528.0	4916.4	2028.5	1622.6	1463.4	1363.7	1361.3	1391.7	1441.5	1470.7
8148.2	47.5°	7433.5	5192.3	1922.8	1586.1	1377.1	1275.0	1279.8	1306.6	1351.5	1372.2
9493.6	50°	8613.7	5276.1	1869.3	1586.1	1330.9	1196.0	1220.3	1242.2	1276.2	1288.3
11106.5	52.5°	9746.4	4999.0	1820.7	1595.8	1337.0	1129.1	1181.4	1197.2	1226.4	1231.2
12601.5	55°	10301.9	4297.7	1753.8	1598.3	1374.6	1072.0	1149.8	1179.0	1189.9	1188.7
13469.3	57.5°	10111.1	3474.9	1640.8	1588.6	1400.2	1035.5	1110.9	1166.8	1174.1	1163.2
13304.0	60°	9441.4	2558.5	1554.5	1516.8	1390.4	1024.6	1051.3	1140.1	1151.0	1136.4
12030.2	62.5°	8318.3	1775.7	1487.7	1358.8	1347.9	1021.0	957.7	1081.7	1108.5	1087.8
9669.9	65°	6548.7	1254.3	1281.1	1191.1	1255.5	1001.5	860.5	1011.2	1047.7	1016.1
7015.4	67.5°	4431.4	905.5	1038.0	1079.3	1106.0	957.7	790.0	931.0	979.6	938.3
4501.9	70°	2393.2	635.7	685.5	909.1	939.5	882.4	726.8	849.6	905.5	860.5
3200.2	72.5°	1413.5	457.0	480.1	730.5	782.7	776.7	656.3	754.8	822.8	769.4
2208.4	75°	779.1	308.7	342.7	529.9	635.7	599.2	564.0	639.3	708.6	656.3
1384.4	77.5°	348.8	184.7	238.2	347.6	499.5	410.8	436.3	498.3	562.7	508.0
770.6	80°	134.9	103.3	158.0	189.6	363.4	227.3	280.8	367.1	413.2	369.5
167.7	82.5°	17.0	46.2	68.1	74.1	211.5	120.3	162.9	230.9	227.3	196.9
0.0	85°	0.0	8.5	9.7	4.9	91.2	43.8	53.5	75.4	70.5	53.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2443.0	0°	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0
2187.8	2.5°	2128.2	2084.4	2062.6	2044.3	2061.3	2071.1	2071.1	2112.4	2136.7	2146.4
1982.3	5°	1875.4	1794.0	1739.3	1706.4	1717.4	1729.5	1742.9	1795.2	1830.4	1853.5
1840.1	7.5°	1676.1	1552.1	1475.5	1435.4	1441.5	1450.0	1460.9	1512.0	1547.2	1577.6
1813.4	10°	1577.6	1402.6	1301.7	1253.1	1244.6	1239.7	1236.1	1266.5	1293.2	1317.5
1922.8	12.5°	1582.5	1338.2	1215.4	1155.9	1130.3	1101.2	1078.1	1082.9	1100.0	1130.3
2118.5	15°	1644.5	1317.5	1170.4	1096.3	1053.8	1019.7	991.8	985.7	991.8	996.6
2342.1	17.5°	1728.3	1315.1	1131.6	1039.2	995.4	967.5	941.9	933.4	934.7	940.7
2490.4	20°	1795.2	1307.8	1087.8	984.5	945.6	921.3	895.8	887.3	889.7	890.9
2505.0	22.5°	1830.4	1296.9	1039.2	929.8	897.0	872.7	849.6	848.4	848.4	855.7
2426.0	25°	1830.4	1273.8	995.4	877.5	848.4	826.5	798.5	803.4	805.8	815.5
2303.2	27.5°	1786.7	1230.0	960.2	832.6	802.2	780.3	754.8	760.9	764.5	775.4
2181.7	30°	1730.8	1177.7	920.1	790.0	754.8	739.0	717.1	719.5	724.4	736.5
2068.6	32.5°	1671.2	1115.8	887.3	747.5	712.2	700.1	675.8	679.4	684.3	697.7
1956.8	35°	1605.6	1042.8	848.4	708.6	673.3	663.6	635.7	638.1	645.4	660.0
1836.5	37.5°	1536.3	983.3	809.5	670.9	634.4	624.7	595.6	598.0	606.5	623.5
1710.1	40°	1468.2	924.9	768.1	630.8	594.3	585.8	554.2	556.7	566.4	584.6
1582.5	42.5°	1394.1	880.0	714.7	589.5	550.6	542.1	512.9	516.6	527.5	545.7
1464.6	45°	1305.4	850.8	655.1	550.6	506.8	498.3	471.6	478.9	491.0	509.3
1363.7	47.5°	1214.2	838.6	605.3	509.3	461.9	454.6	432.7	444.8	458.2	472.8
1277.4	50°	1126.7	822.8	554.2	470.4	423.0	415.7	401.1	416.9	430.3	443.6
1215.4	52.5°	1027.0	788.8	508.0	436.3	390.1	387.7	380.4	395.0	407.2	419.3
1161.9	55°	923.7	734.1	467.9	405.9	362.2	364.6	361.0	373.1	382.9	393.8
1113.3	57.5°	833.8	664.8	436.3	373.1	337.9	345.2	340.3	346.4	352.5	365.8
1055.0	60°	742.6	582.2	401.1	334.2	313.6	322.1	308.7	307.5	309.9	313.6
968.7	62.5°	619.9	495.9	357.3	300.2	286.8	290.5	265.0	245.5	245.5	249.2
848.4	65°	498.3	415.7	308.7	261.3	250.4	247.9	211.5	184.7	182.3	193.3
708.6	67.5°	409.6	345.2	260.1	217.6	210.3	212.7	186.0	159.2	156.8	168.9
577.3	70°	339.1	278.3	207.8	167.7	175.0	186.0	159.2	133.7	130.0	141.0
469.2	72.5°	269.8	217.6	159.2	124.0	144.6	158.0	130.0	105.7	103.3	113.0
362.2	75°	198.1	155.6	108.2	89.9	111.8	124.0	94.8	75.4	71.7	80.2
241.9	77.5°	122.8	87.5	68.1	53.5	76.6	82.6	49.8	43.8	42.5	48.6
147.1	80°	57.1	37.7	32.8	18.2	28.0	32.8	20.7	23.1	24.3	29.2
74.1	82.5°	15.8	6.1	1.2	0.0	0.0	9.7	4.9	9.7	12.2	18.2
6.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.1	10.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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 CATALOG NUMBER: GALN-SB7A-940-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2443.0	0°	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0	2443.0
2214.5	2.5°	2265.5	2314.2	2391.9	2472.2	2551.2	2631.4	2709.2	2737.1
1959.3	5°	2055.3	2167.1	2321.4	2486.7	2656.9	2829.5	2987.5	3059.2
1695.5	7.5°	1820.7	1981.1	2213.3	2472.2	2743.2	3014.2	3263.4	3378.9
1434.2	10°	1570.3	1773.3	2038.3	2388.3	2777.2	3151.6	3494.3	3643.8
1204.5	12.5°	1332.1	1544.8	1837.7	2257.0	2750.5	3230.6	3642.6	3818.8
1042.8	15°	1132.8	1321.2	1637.2	2101.5	2664.2	3235.4	3713.1	3906.4
952.9	17.5°	983.3	1106.0	1433.0	1928.9	2551.2	3190.5	3737.4	3944.0
904.3	20°	909.1	943.2	1168.0	1707.7	2445.4	3147.9	3761.7	3979.3
865.4	22.5°	865.4	873.9	955.3	1422.0	2319.0	3134.6	3804.3	4027.9
830.1	25°	830.1	832.6	854.4	1126.7	2125.8	3126.1	3869.9	4094.7
793.7	27.5°	794.9	794.9	807.0	907.9	1863.2	3089.6	3955.0	4175.0
757.2	30°	759.6	759.6	768.1	803.4	1555.7	3017.9	4057.1	4279.5
720.7	32.5°	723.2	723.2	730.5	756.0	1242.2	2927.9	4150.7	4385.2
683.1	35°	686.7	684.3	694.0	720.7	988.1	2813.7	4244.2	4499.5
645.4	37.5°	647.8	646.6	656.3	686.7	853.2	2681.2	4314.7	4655.1
607.7	40°	606.5	606.5	617.4	650.2	814.3	2514.7	4426.6	4878.7
568.8	42.5°	568.8	566.4	578.5	618.6	785.2	2355.5	4627.1	5204.4
533.6	45°	532.4	527.5	538.4	588.3	734.1	2299.6	5001.4	5685.7
499.5	47.5°	498.3	486.2	495.9	551.8	687.9	2508.6	5614.0	6353.0
469.2	50°	470.4	447.3	455.8	515.3	652.7	2962.0	6408.9	7239.0
441.2	52.5°	441.2	410.8	415.7	470.4	621.1	3393.4	7270.6	8408.3
413.2	55°	410.8	376.8	379.2	425.4	576.1	3457.9	8111.7	10002.9
381.6	57.5°	376.8	345.2	345.2	384.1	543.3	2997.2	8758.3	11981.6
342.7	60°	339.1	318.4	312.4	351.3	572.5	2114.8	8833.7	13257.8
292.9	62.5°	297.8	286.8	278.3	319.7	594.3	1253.1	8227.2	12949.1
230.9	65°	250.4	247.9	241.9	351.3	500.8	740.2	7062.8	12002.3
196.9	67.5°	210.3	206.6	206.6	368.3	380.4	465.5	5518.0	10699.3
167.7	70°	181.1	167.7	167.7	278.3	230.9	322.1	3852.9	9293.1
138.6	72.5°	151.9	137.3	127.6	222.4	172.6	235.8	2407.7	7958.6
105.7	75°	121.5	110.6	98.4	147.1	128.8	178.7	1398.9	6593.6
66.8	77.5°	87.5	82.6	69.3	108.2	93.6	128.8	832.6	5087.7
41.3	80°	45.0	46.2	43.8	62.0	63.2	87.5	474.0	3482.2
26.7	82.5°	26.7	20.7	23.1	30.4	36.5	49.8	178.7	2046.8
19.4	85°	17.0	10.9	10.9	14.6	18.2	19.4	54.7	830.1
9.7	87.5°	8.5	3.6	4.9	7.3	6.1	4.9	2.4	209.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)