

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: P952651

Luminaire Tested: **GALN-SB6B-940-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952651
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-SB6B-940-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA 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: 18885 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

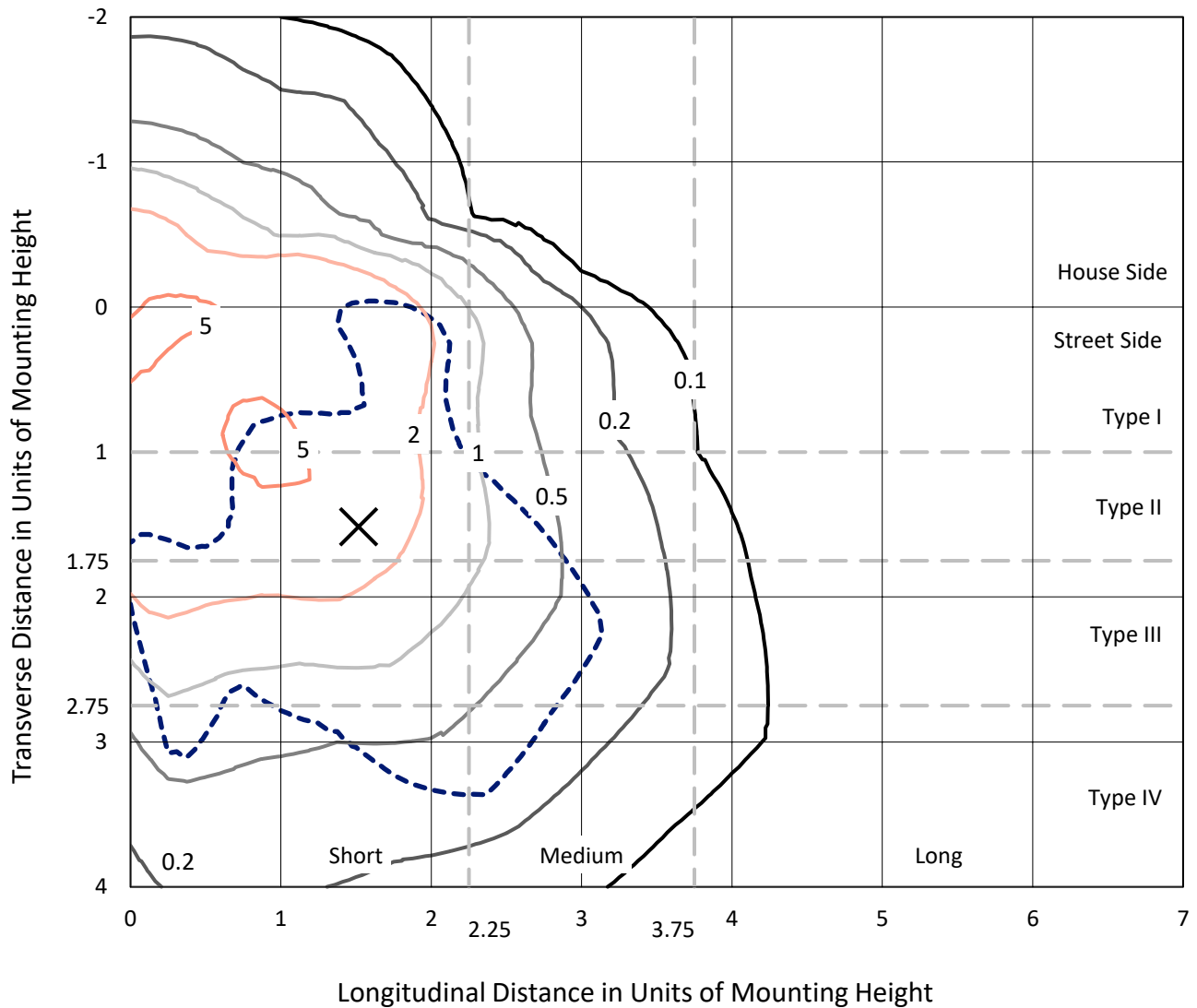
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

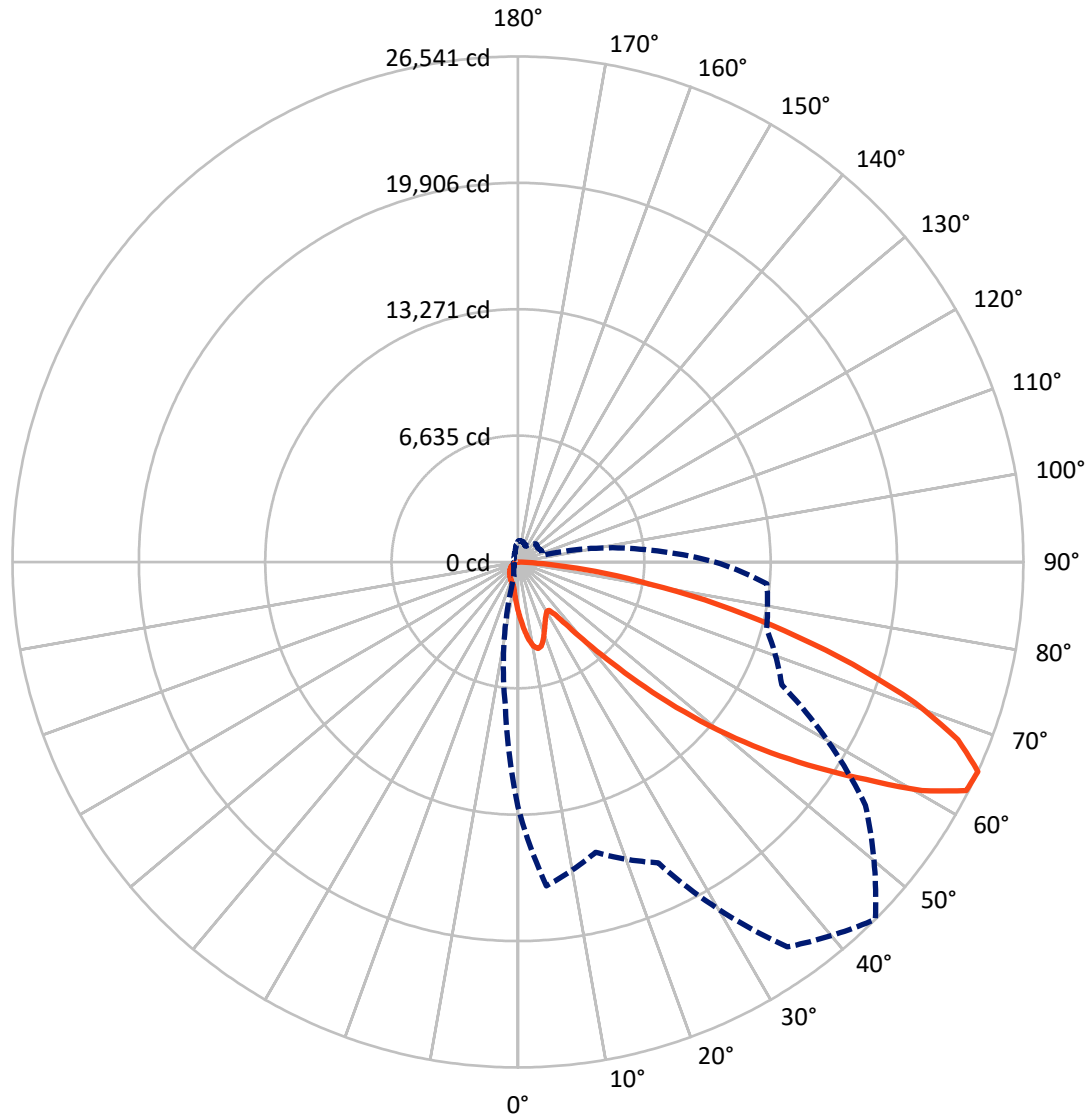
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	3753.8	0.0	3753.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	15131.2	0.0	15131.2
	% Fixture	80.1	0.0	80.1
Total	Lumens	18885.0	0.0	18885.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.5	1.4
10°-20°	771.8	4.1
20°-30°	1137.0	6.0
30°-40°	1460.7	7.7
40°-50°	2362.4	12.5
50°-60°	4142.7	21.9
60°-70°	5183.6	27.4
70°-80°	3029.1	16.0
80°-90°	540.4	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°	18885.0	100.0
0°-180°	18885.0	100.0



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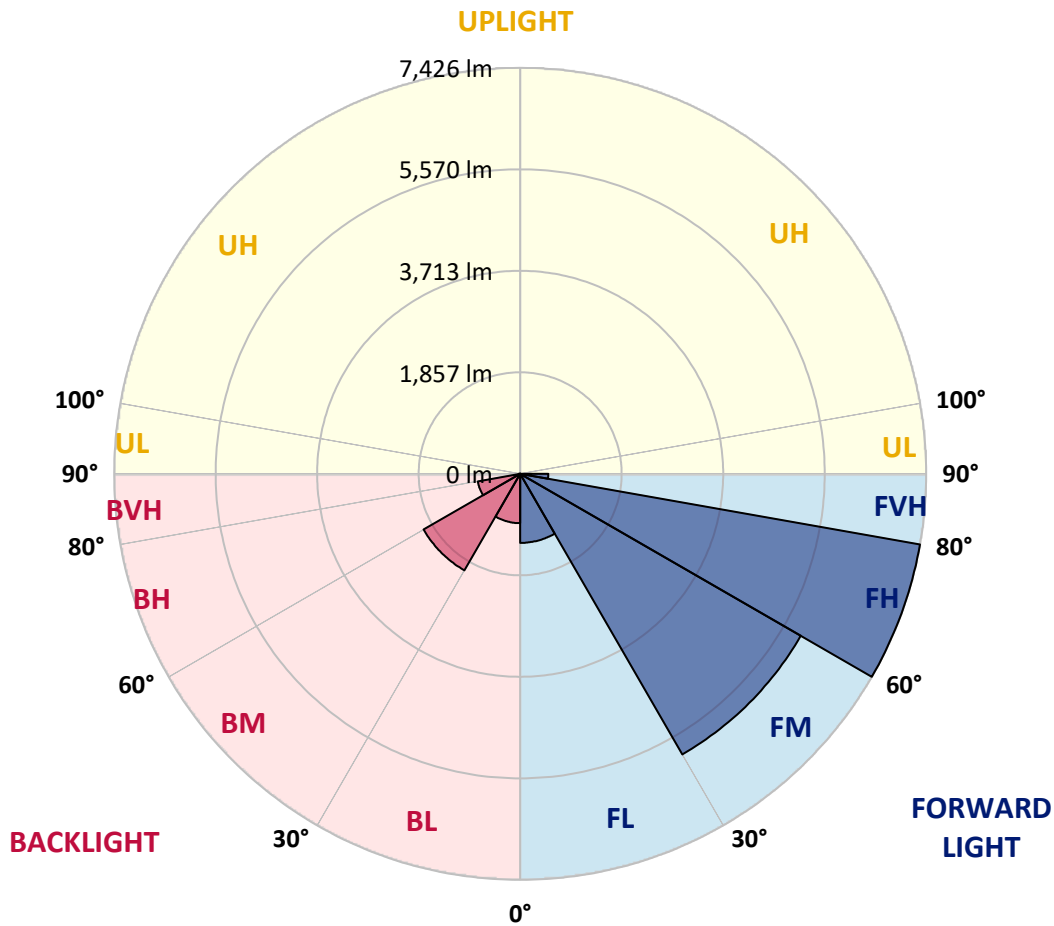
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1263.6	6.7			
FM (30°-60°)	5926.3	31.4			
FH (60°-80°)	7426.2	39.3			G3/7500
FVH (80°-90°)	515.1	2.7			G4/750
BL (0°-30°)	902.6	4.8	B2/1000		
BM (30°-60°)	2039.4	10.8	B2/2500		
BH (60°-80°)	786.5	4.2	B2/1000		G2/1000
BVH (80°-90°)	25.3	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0
2.5°	2929.8	2951.9	3001.4	3027.4	3067.7	3070.3	3070.3	3035.2	3033.9	2962.3
5°	3274.6	3326.6	3443.7	3564.7	3590.7	3597.2	3584.2	3513.9	3461.9	3322.7
7.5°	3616.7	3716.9	3895.1	4056.5	4108.5	4108.5	4077.3	3962.8	3856.1	3654.5
10°	3900.3	4026.5	4268.5	4449.3	4509.2	4496.2	4432.4	4288.0	4141.0	3896.4
12.5°	4087.7	4229.5	4494.9	4640.6	4701.7	4667.9	4595.1	4454.6	4299.7	4042.1
15°	4181.3	4329.7	4559.9	4636.7	4619.8	4584.7	4575.5	4507.9	4390.8	4150.1
17.5°	4221.7	4359.6	4519.6	4471.5	4328.4	4301.0	4392.1	4478.0	4449.3	4243.8
20°	4259.4	4375.2	4423.3	4210.0	3960.2	3935.5	4109.8	4354.4	4479.3	4331.0
22.5°	4311.4	4383.0	4284.1	3934.2	3664.9	3607.6	3800.2	4168.3	4488.4	4441.5
25°	4383.0	4402.5	4130.6	3672.7	3402.1	3344.8	3524.4	3961.5	4472.8	4561.2
27.5°	4468.9	4428.5	3983.6	3454.1	3192.6	3139.3	3318.8	3762.4	4428.5	4680.9
30°	4580.7	4462.4	3837.9	3285.0	3043.0	3004.0	3177.0	3590.7	4373.9	4833.1
32.5°	4693.9	4476.7	3702.6	3186.1	3009.2	3023.5	3165.3	3498.3	4314.0	4978.8
35°	4816.2	4522.2	3636.2	3283.7	3291.5	3416.4	3474.9	3584.2	4304.9	5176.6
37.5°	4982.8	4623.7	3715.6	3768.9	4039.5	4298.4	4250.3	4004.4	4410.3	5471.9
40°	5222.1	4801.9	4061.7	4595.1	5150.6	5570.8	5387.4	4768.1	4733.0	5897.3
42.5°	5570.8	5085.5	4675.7	5604.6	6546.5	7238.6	6746.9	5752.9	5297.6	6504.9
45°	6086.0	5544.8	5418.6	6670.1	8267.7	9357.9	8335.4	6802.8	6088.6	7424.7
47.5°	6800.2	6220.0	6114.6	7792.9	10359.7	11770.0	10096.9	7776.0	6988.9	8678.8
50°	7748.6	7129.4	6774.2	9021.0	12653.3	14228.8	11857.1	8715.3	8020.5	10211.4
52.5°	9000.2	8397.8	7543.1	10190.6	15012.0	16635.6	13625.2	9540.1	9300.7	11989.8
55°	10707.1	10306.4	8594.3	11306.8	17369.4	19056.7	15324.2	10318.1	10992.0	14102.6
57.5°	12825.1	13111.3	10109.9	12601.3	19488.7	21552.0	17031.1	11405.7	13188.0	16465.2
60°	14191.1	16841.2	13012.4	14515.0	21896.8	24373.8	19370.3	13474.2	15496.0	17312.1
62.5°	13860.6	18027.7	16488.6	16958.3	24111.0	26425.5	21662.6	15551.9	15930.5	16064.5
65°	12847.2	17070.1	15779.6	17433.1	24671.8	26541.3	22275.4	15283.9	13513.3	13115.2
67.5°	11452.5	15934.4	14094.8	16173.8	23658.3	24922.9	21134.4	13519.8	10443.0	9841.9
70°	9947.3	14677.6	12989.0	14760.9	21726.4	22102.3	19194.6	11891.0	7681.0	6646.7
72.5°	8518.8	13368.9	12231.8	13312.9	19149.1	18371.1	16669.4	10450.8	5592.9	4794.1
75°	7057.8	11438.2	11153.3	11593.0	15760.1	14470.8	13850.2	8652.8	4389.5	3468.4
77.5°	5445.9	8937.7	9593.4	9283.8	11093.4	10748.7	10735.7	6502.3	3206.9	2314.4
80°	3727.3	6229.1	7494.9	6549.1	7199.6	7024.0	8085.6	4362.2	2326.2	1393.3
82.5°	2190.8	3792.4	5216.9	3170.5	3981.0	4086.4	4814.9	2121.9	1368.6	321.3
85°	888.6	1497.4	2039.9	1241.1	1920.2	1619.7	1827.9	595.8	381.2	7.8
87.5°	223.8	478.8	335.7	139.2	222.5	204.3	161.3	72.9	15.6	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°
2615.0	0°	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0
2954.5	2.5°	2903.8	2873.9	2799.7	2725.6	2665.7	2585.0	2531.7	2468.0	2406.8	2352.2
3292.8	5°	3210.8	3111.9	2976.6	2853.0	2726.9	2604.6	2483.6	2356.1	2239.0	2167.4
3579.0	7.5°	3460.6	3286.3	3106.7	2949.3	2797.1	2654.0	2494.0	2339.2	2155.7	2058.1
3797.6	10°	3646.6	3417.7	3182.2	3001.4	2847.8	2708.6	2573.3	2417.2	2196.1	2073.8
3930.3	12.5°	3768.9	3497.0	3221.2	3014.4	2842.6	2734.7	2674.8	2613.7	2393.8	2250.7
4027.8	15°	3853.5	3553.0	3248.5	2984.4	2773.7	2694.3	2754.2	2824.4	2683.9	2518.7
4129.3	17.5°	3945.9	3625.8	3260.3	2903.8	2639.7	2605.9	2760.7	2923.3	2916.8	2752.9
4225.6	20°	4043.4	3689.6	3252.4	2773.7	2477.1	2507.0	2704.7	2893.4	2972.7	2884.3
4336.2	22.5°	4143.6	3750.7	3222.5	2604.6	2324.8	2418.5	2616.3	2781.5	2875.2	2847.8
4471.5	25°	4269.8	3836.6	3178.3	2422.4	2198.7	2328.8	2513.5	2647.5	2712.5	2711.2
4617.2	27.5°	4420.7	3951.1	3154.9	2275.4	2108.9	2227.3	2391.2	2510.9	2556.4	2556.4
4798.0	30°	4596.4	4086.4	3128.9	2179.1	2056.8	2121.9	2249.4	2366.5	2412.0	2412.0
4995.8	32.5°	4791.5	4216.5	3066.4	2120.6	2017.8	2019.1	2099.8	2206.5	2261.1	2268.9
5242.9	35°	5025.7	4355.7	2929.8	2073.8	1972.3	1918.9	1958.0	2046.4	2111.5	2128.4
5595.5	37.5°	5332.7	4526.1	2734.7	2004.8	1902.0	1813.6	1822.7	1890.3	1961.9	1987.9
6082.1	40°	5745.1	4726.5	2531.7	1905.9	1803.2	1697.8	1693.9	1743.3	1813.6	1842.2
6740.4	42.5°	6290.2	4967.1	2337.9	1811.0	1683.5	1575.5	1569.0	1608.0	1669.2	1699.1
7609.4	45°	6987.6	5262.5	2171.3	1736.8	1566.4	1459.7	1457.1	1489.6	1543.0	1574.2
8721.8	47.5°	7956.8	5557.8	2058.1	1697.8	1474.0	1364.7	1369.9	1398.6	1446.7	1468.8
10161.9	50°	9220.0	5647.6	2000.9	1697.8	1424.6	1280.2	1306.2	1329.6	1366.0	1379.0
11888.3	52.5°	10432.6	5350.9	1948.9	1708.2	1431.1	1208.6	1264.6	1281.5	1312.7	1317.9
13488.6	55°	11027.1	4600.3	1877.3	1710.8	1471.4	1147.5	1230.7	1261.9	1273.7	1272.4
14417.5	57.5°	10822.8	3719.5	1756.3	1700.4	1498.7	1108.4	1189.1	1248.9	1256.7	1245.0
14240.5	60°	10106.0	2738.6	1664.0	1623.6	1488.3	1096.7	1125.3	1220.3	1232.0	1216.4
12877.1	62.5°	8903.9	1900.7	1592.4	1454.5	1442.8	1092.8	1025.2	1157.9	1186.5	1164.4
10350.6	65°	7009.7	1342.6	1371.2	1275.0	1343.9	1072.0	921.1	1082.4	1121.4	1087.6
7509.3	67.5°	4743.4	969.2	1111.0	1155.3	1183.9	1025.2	845.6	996.6	1048.6	1004.4
4818.8	70°	2561.6	680.4	733.8	973.1	1005.7	944.5	778.0	909.4	969.2	921.1
3425.5	72.5°	1513.0	489.2	513.9	781.9	837.8	831.3	702.5	807.9	880.8	823.5
2363.9	75°	833.9	330.4	366.9	567.2	680.4	641.4	603.7	684.3	758.5	702.5
1481.8	77.5°	373.4	197.7	255.0	372.1	534.7	439.7	467.1	533.4	602.4	543.8
824.8	80°	144.4	110.6	169.1	203.0	389.0	243.3	300.5	392.9	442.3	395.5
179.5	82.5°	18.2	49.4	72.9	79.4	226.4	128.8	174.3	247.2	243.3	210.8
0.0	85°	0.0	9.1	10.4	5.2	97.6	46.8	57.2	80.7	75.5	57.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	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°
2615.0	0°	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0
2341.8	2.5°	2278.0	2231.2	2207.8	2188.2	2206.5	2216.9	2216.9	2261.1	2287.1	2297.5
2121.9	5°	2007.4	1920.2	1861.7	1826.6	1838.3	1851.3	1865.6	1921.5	1959.3	1984.0
1969.7	7.5°	1794.1	1661.4	1579.4	1536.5	1543.0	1552.1	1563.8	1618.4	1656.1	1688.7
1941.1	10°	1688.7	1501.3	1393.3	1341.3	1332.2	1327.0	1323.1	1355.6	1384.2	1410.3
2058.1	12.5°	1693.9	1432.4	1301.0	1237.2	1209.9	1178.7	1154.0	1159.2	1177.4	1209.9
2267.6	15°	1760.2	1410.3	1252.8	1173.5	1127.9	1091.5	1061.6	1055.1	1061.6	1066.8
2507.0	17.5°	1850.0	1407.7	1211.2	1112.3	1065.5	1035.6	1008.3	999.2	1000.5	1007.0
2665.7	20°	1921.5	1399.9	1164.4	1053.8	1012.2	986.1	958.8	949.7	952.3	953.6
2681.3	22.5°	1959.3	1388.1	1112.3	995.2	960.1	934.1	909.4	908.1	908.1	915.9
2596.8	25°	1959.3	1363.4	1065.5	939.3	908.1	884.7	854.7	859.9	862.5	873.0
2465.4	27.5°	1912.4	1316.6	1027.8	891.2	858.6	835.2	807.9	814.4	818.3	830.0
2335.3	30°	1852.6	1260.6	984.8	845.6	807.9	791.0	767.6	770.2	775.4	788.4
2214.3	32.5°	1788.8	1194.3	949.7	800.1	762.4	749.4	723.3	727.2	732.5	746.8
2094.6	35°	1718.6	1116.2	908.1	758.5	720.7	710.3	680.4	683.0	690.8	706.4
1965.8	37.5°	1644.4	1052.5	866.5	718.1	679.1	668.7	637.5	640.1	649.2	667.4
1830.5	40°	1571.6	990.0	822.2	675.2	636.2	627.1	593.2	595.8	606.3	625.8
1693.9	42.5°	1492.2	941.9	765.0	631.0	589.3	580.2	549.0	552.9	564.6	584.1
1567.7	45°	1397.3	910.7	701.2	589.3	542.5	533.4	504.8	512.6	525.6	545.1
1459.7	47.5°	1299.7	897.7	647.9	545.1	494.4	486.6	463.1	476.2	490.5	506.1
1367.3	50°	1206.0	880.8	593.2	503.5	452.7	444.9	429.3	446.2	460.5	474.9
1301.0	52.5°	1099.3	844.3	543.8	467.1	417.6	415.0	407.2	422.8	435.8	448.8
1243.7	55°	988.7	785.8	500.9	434.5	387.7	390.3	386.4	399.4	409.8	421.5
1191.7	57.5°	892.5	711.6	467.1	399.4	361.7	369.5	364.3	370.8	377.3	391.6
1129.2	60°	794.9	623.2	429.3	357.8	335.7	344.8	330.4	329.1	331.7	335.7
1036.9	62.5°	663.5	530.8	382.5	321.3	307.0	310.9	283.6	262.8	262.8	266.7
908.1	65°	533.4	444.9	330.4	279.7	268.0	265.4	226.4	197.7	195.1	206.9
758.5	67.5°	438.4	369.5	278.4	232.9	225.1	227.7	199.0	170.4	167.8	180.8
618.0	70°	363.0	297.9	222.5	179.5	187.3	199.0	170.4	143.1	139.2	150.9
502.2	72.5°	288.8	232.9	170.4	132.7	154.8	169.1	139.2	113.2	110.6	121.0
387.7	75°	212.1	166.5	115.8	96.3	119.7	132.7	101.5	80.7	76.8	85.9
258.9	77.5°	131.4	93.7	72.9	57.2	82.0	88.5	53.3	46.8	45.5	52.0
157.4	80°	61.1	40.3	35.1	19.5	29.9	35.1	22.1	24.7	26.0	31.2
79.4	82.5°	16.9	6.5	1.3	0.0	0.0	10.4	5.2	10.4	13.0	19.5
6.5	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.5	11.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
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-SB6B-940-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2615.0	0°	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0
2370.4	2.5°	2425.0	2477.1	2560.3	2646.2	2730.8	2816.6	2899.9	2929.8
2097.2	5°	2200.0	2319.6	2484.9	2661.8	2843.9	3028.7	3197.8	3274.6
1814.9	7.5°	1948.9	2120.6	2369.1	2646.2	2936.3	3226.4	3493.1	3616.7
1535.2	10°	1680.9	1898.1	2181.7	2556.4	2972.7	3373.4	3740.3	3900.3
1289.3	12.5°	1425.9	1653.5	1967.1	2415.9	2944.1	3458.0	3899.0	4087.7
1116.2	15°	1212.5	1414.2	1752.4	2249.4	2851.7	3463.2	3974.5	4181.3
1020.0	17.5°	1052.5	1183.9	1533.9	2064.7	2730.8	3415.1	4000.5	4221.7
967.9	20°	973.1	1009.6	1250.2	1827.9	2617.6	3369.5	4026.5	4259.4
926.3	22.5°	926.3	935.4	1022.6	1522.1	2482.3	3355.2	4072.1	4311.4
888.6	25°	888.6	891.2	914.6	1206.0	2275.4	3346.1	4142.3	4383.0
849.5	27.5°	850.8	850.8	863.9	971.8	1994.4	3307.1	4233.4	4468.9
810.5	30°	813.1	813.1	822.2	859.9	1665.3	3230.3	4342.7	4580.7
771.5	32.5°	774.1	774.1	781.9	809.2	1329.6	3134.1	4442.8	4693.9
731.2	35°	735.1	732.5	742.9	771.5	1057.7	3011.8	4543.0	4816.2
690.8	37.5°	693.4	692.1	702.5	735.1	913.3	2870.0	4618.5	4982.8
650.5	40°	649.2	649.2	660.9	696.0	871.7	2691.7	4738.2	5222.1
608.9	42.5°	608.9	606.3	619.3	662.2	840.4	2521.3	4952.8	5570.8
571.1	45°	569.8	564.6	576.3	629.7	785.8	2461.5	5353.5	6086.0
534.7	47.5°	533.4	520.4	530.8	590.6	736.4	2685.2	6009.2	6800.2
502.2	50°	503.5	478.8	487.9	551.6	698.6	3170.5	6860.1	7748.6
472.3	52.5°	472.3	439.7	444.9	503.5	664.8	3632.3	7782.5	9000.2
442.3	55°	439.7	403.3	405.9	455.3	616.7	3701.3	8682.7	10707.1
408.5	57.5°	403.3	369.5	369.5	411.1	581.5	3208.2	9374.9	12825.1
366.9	60°	363.0	340.9	334.4	376.0	612.8	2263.7	9455.5	14191.1
313.5	62.5°	318.7	307.0	297.9	342.2	636.2	1341.3	8806.3	13860.6
247.2	65°	268.0	265.4	258.9	376.0	536.0	792.3	7560.0	12847.2
210.8	67.5°	225.1	221.2	221.2	394.2	407.2	498.3	5906.4	11452.5
179.5	70°	193.8	179.5	179.5	297.9	247.2	344.8	4124.1	9947.3
148.3	72.5°	162.6	147.0	136.6	238.1	184.7	252.4	2577.2	8518.8
113.2	75°	130.1	118.4	105.4	157.4	137.9	191.2	1497.4	7057.8
71.6	77.5°	93.7	88.5	74.2	115.8	100.2	137.9	891.2	5445.9
44.2	80°	48.1	49.4	46.8	66.3	67.7	93.7	507.4	3727.3
28.6	82.5°	28.6	22.1	24.7	32.5	39.0	53.3	191.2	2190.8
20.8	85°	18.2	11.7	11.7	15.6	19.5	20.8	58.5	888.6
10.4	87.5°	9.1	3.9	5.2	7.8	6.5	5.2	2.6	223.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)