

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: P955129

Luminaire Tested: **GALN-SB8A-935-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955129
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-SB8A-935-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3500K, 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: 19258 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

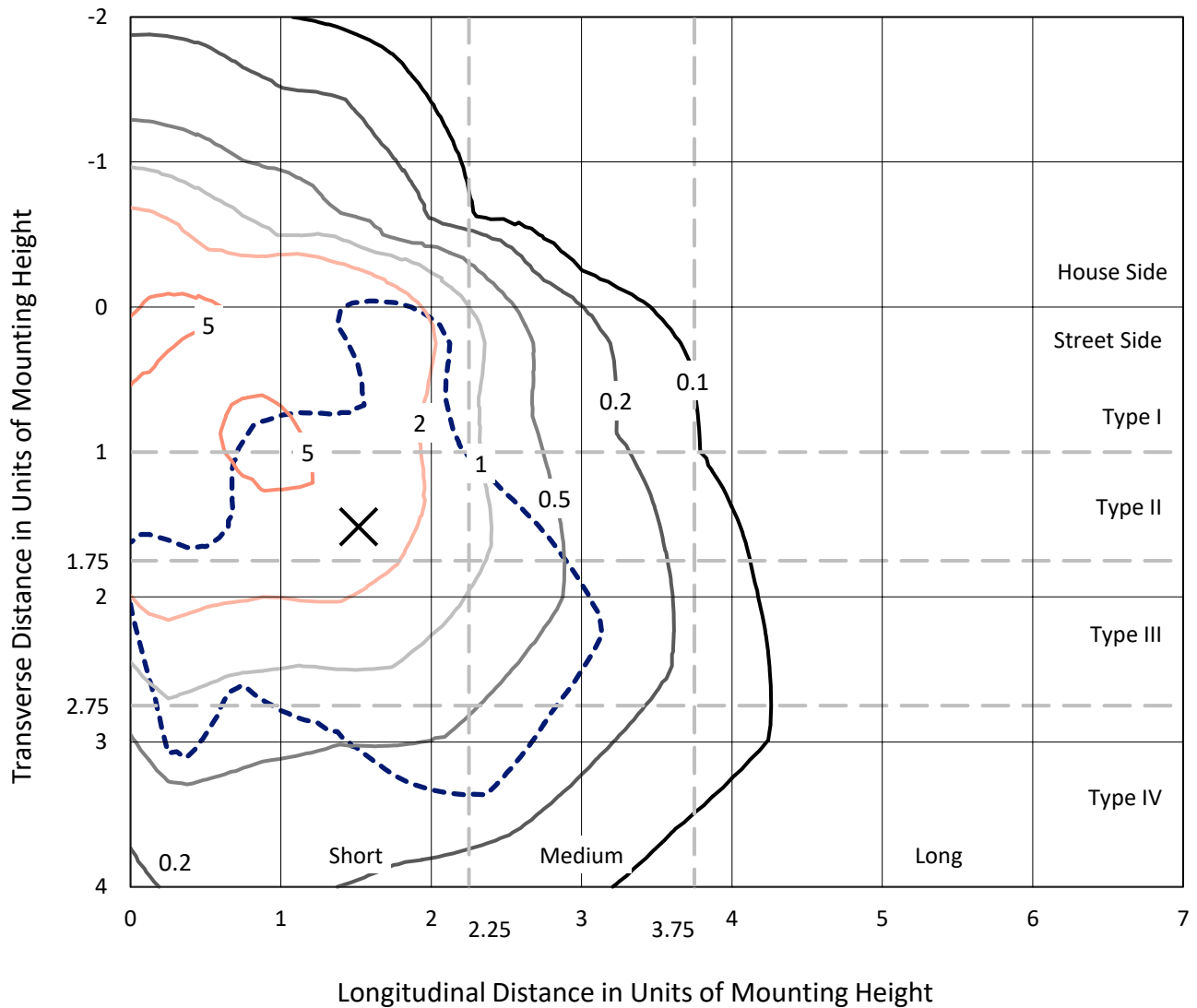
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

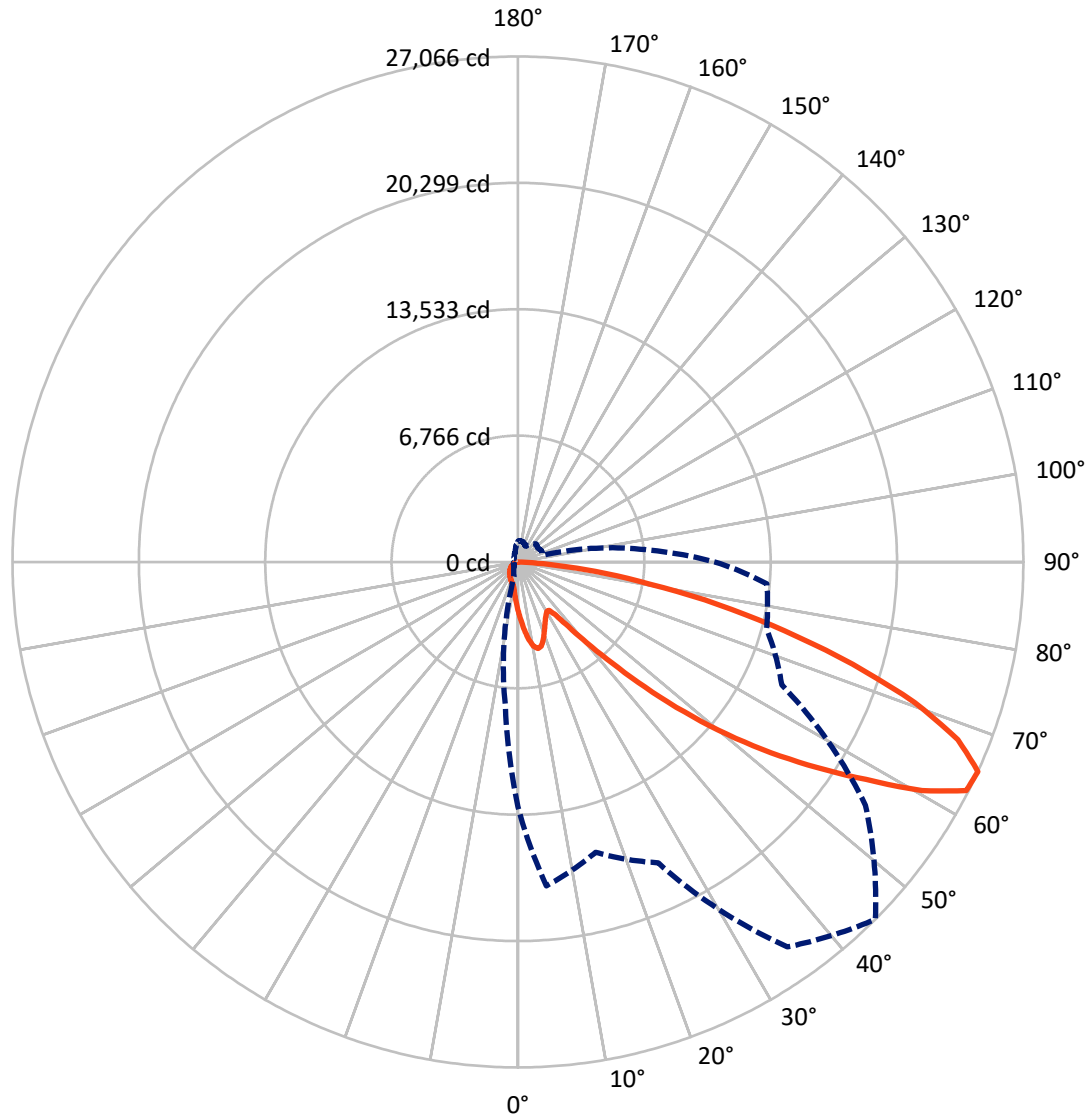
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	3827.9	0.0	3827.9
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	15430.1	0.0	15430.1
	% Fixture	80.1	0.0	80.1
Total	Lumens	19258.0	0.0	19258.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.5	1.4
10°-20°	787.0	4.1
20°-30°	1159.4	6.0
30°-40°	1489.5	7.7
40°-50°	2409.0	12.5
50°-60°	4224.5	21.9
60°-70°	5286.0	27.4
70°-80°	3088.9	16.0
80°-90°	551.1	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°	19258.0	100.0
0°-180°	19258.0	100.0



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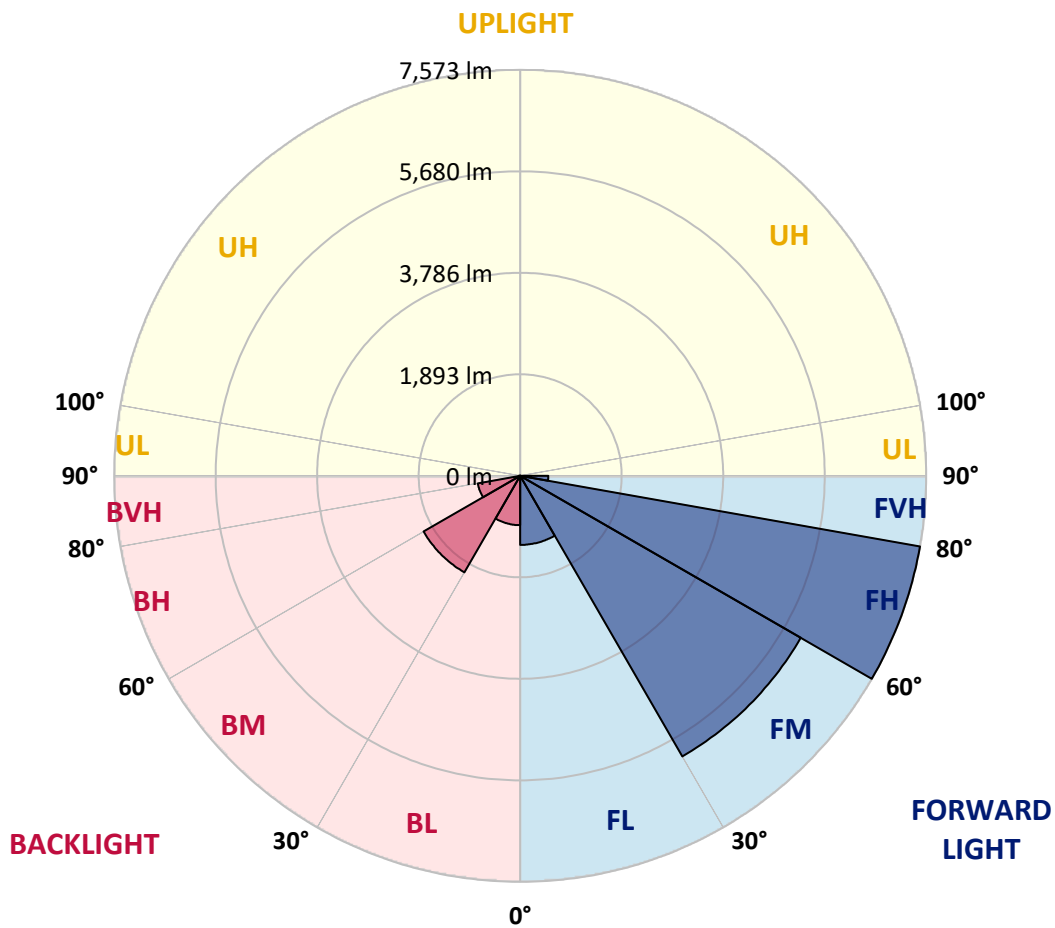
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1288.6	6.7			
FM (30°-60°)	6043.4	31.4			
FH (60°-80°)	7572.8	39.3			G4/12000
FVH (80°-90°)	525.3	2.7			G4/750
BL (0°-30°)	920.4	4.8	B2/1000		
BM (30°-60°)	2079.7	10.8	B2/2500		
BH (60°-80°)	802.0	4.2	B2/1000		G2/1000
BVH (80°-90°)	25.8	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°	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6
2.5°	2987.7	3010.2	3060.6	3087.2	3128.3	3131.0	3131.0	3095.1	3093.8	3020.8
5°	3339.2	3392.3	3511.7	3635.1	3661.6	3668.3	3655.0	3583.3	3530.3	3388.3
7.5°	3688.2	3790.3	3972.1	4136.6	4189.6	4189.6	4157.8	4041.1	3932.3	3726.6
10°	3977.4	4106.1	4352.8	4537.2	4598.3	4585.0	4520.0	4372.7	4222.8	3973.4
12.5°	4168.4	4313.0	4583.7	4732.2	4794.6	4760.1	4685.8	4542.5	4384.7	4122.0
15°	4263.9	4415.2	4650.0	4728.3	4711.0	4675.2	4665.9	4596.9	4477.5	4232.1
17.5°	4305.1	4445.7	4608.9	4559.8	4413.8	4386.0	4478.9	4566.4	4537.2	4327.6
20°	4343.5	4461.6	4510.7	4293.1	4038.4	4013.2	4191.0	4440.4	4567.7	4416.5
22.5°	4396.6	4469.6	4368.7	4011.9	3737.2	3678.9	3875.2	4250.7	4577.0	4529.3
25°	4469.6	4489.5	4212.2	3745.2	3469.3	3410.9	3594.0	4039.7	4561.1	4651.3
27.5°	4557.1	4516.0	4062.3	3522.3	3255.7	3201.3	3384.3	3836.7	4516.0	4773.4
30°	4671.2	4550.5	3913.7	3349.9	3103.1	3063.3	3239.7	3661.6	4460.3	4928.6
32.5°	4786.6	4565.1	3775.7	3249.0	3068.6	3083.2	3227.8	3567.4	4399.3	5077.2
35°	4911.4	4611.5	3708.1	3348.5	3356.5	3483.8	3543.5	3655.0	4390.0	5278.8
37.5°	5081.2	4715.0	3789.0	3843.4	4119.3	4383.3	4334.2	4083.5	4497.4	5580.0
40°	5325.3	4896.8	4141.9	4685.8	5252.3	5680.8	5493.8	4862.3	4826.4	6013.8
42.5°	5680.8	5186.0	4768.1	5715.3	6675.8	7381.6	6880.1	5866.6	5402.2	6633.4
45°	6206.2	5654.3	5525.6	6801.9	8431.0	9542.8	8500.0	6937.2	6208.8	7571.3
47.5°	6934.5	6342.8	6235.4	7946.8	10564.3	12002.4	10296.3	7929.5	7126.9	8850.2
50°	7901.7	7270.2	6908.0	9199.2	12903.2	14509.8	12091.3	8887.4	8179.0	10413.1
52.5°	9177.9	8563.7	7692.1	10391.8	15308.5	16964.2	13894.3	9728.5	9484.4	12226.6
55°	10918.5	10509.9	8764.0	11530.1	17712.4	19433.1	15626.9	10521.9	11209.1	14381.2
57.5°	13078.4	13370.2	10309.6	12850.2	19873.6	21977.7	17367.5	11631.0	13448.5	16790.4
60°	14471.4	17173.8	13269.4	14801.7	22329.3	24855.3	19752.9	13740.4	15802.0	17654.1
62.5°	14134.4	18383.7	16814.3	17293.2	24587.3	26947.4	22090.5	15859.1	16245.1	16381.8
65°	13100.9	17407.3	16091.2	17777.4	25159.1	27065.5	22715.3	15585.8	13780.2	13374.2
67.5°	11678.7	16249.1	14373.2	16493.2	24125.6	25415.1	21551.8	13786.8	10649.2	10036.3
70°	10143.8	14967.5	13245.5	15052.5	22155.5	22538.9	19573.8	12125.8	7832.7	6778.0
72.5°	8687.1	13632.9	12473.4	13575.9	19527.3	18734.0	16998.7	10657.2	5703.4	4888.8
75°	7197.2	11664.1	11373.6	11822.0	16071.3	14756.6	14123.8	8823.7	4476.2	3536.9
77.5°	5553.5	9114.3	9782.9	9467.2	11312.6	10961.0	10947.7	6630.7	3270.3	2360.2
80°	3800.9	6352.1	7643.0	6678.5	7341.8	7162.7	8245.3	4448.3	2372.1	1420.9
82.5°	2234.1	3867.3	5320.0	3233.1	4059.6	4167.1	4910.0	2163.8	1395.7	327.7
85°	906.1	1527.0	2080.2	1265.6	1958.2	1651.7	1864.0	607.6	388.7	8.0
87.5°	228.2	488.2	342.3	142.0	226.9	208.3	164.5	74.3	15.9	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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2666.6	0°	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6
3012.9	2.5°	2961.1	2930.6	2855.0	2779.4	2718.4	2636.1	2581.7	2516.7	2454.3	2398.6
3357.8	5°	3274.2	3173.4	3035.4	2909.4	2780.7	2656.0	2532.6	2402.6	2283.2	2210.2
3649.7	7.5°	3529.0	3351.2	3168.1	3007.6	2852.4	2706.4	2543.2	2385.4	2198.3	2098.8
3872.6	10°	3718.7	3485.2	3245.0	3060.6	2904.1	2762.1	2624.2	2465.0	2239.4	2114.7
4007.9	12.5°	3843.4	3566.1	3284.8	3073.9	2898.8	2788.7	2727.6	2665.3	2441.1	2295.1
4107.4	15°	3929.6	3623.1	3312.7	3043.4	2828.5	2747.5	2808.6	2880.2	2736.9	2568.4
4210.9	17.5°	4023.8	3697.4	3324.6	2961.1	2691.8	2657.3	2815.2	2981.0	2974.4	2807.2
4309.0	20°	4123.3	3762.5	3316.7	2828.5	2526.0	2556.5	2758.2	2950.5	3031.5	2941.2
4421.8	22.5°	4225.5	3824.8	3286.2	2656.0	2370.8	2466.3	2667.9	2836.4	2932.0	2904.1
4559.8	25°	4354.1	3912.4	3241.1	2470.3	2242.1	2374.7	2563.1	2699.8	2766.1	2764.8
4708.4	27.5°	4508.0	4029.1	3217.2	2320.4	2150.5	2271.3	2438.4	2560.5	2606.9	2606.9
4892.8	30°	4687.1	4167.1	3190.7	2222.2	2097.5	2163.8	2293.8	2413.2	2459.7	2459.7
5094.4	32.5°	4886.1	4299.8	3127.0	2162.5	2057.7	2059.0	2141.3	2250.0	2305.8	2313.7
5346.5	35°	5124.9	4441.7	2987.7	2114.7	2011.2	1956.8	1996.6	2086.9	2153.2	2170.4
5706.0	37.5°	5438.0	4615.5	2788.7	2044.4	1939.6	1849.4	1858.7	1927.7	2000.6	2027.2
6202.2	40°	5858.6	4819.8	2581.7	1943.6	1838.8	1731.3	1727.3	1777.7	1849.4	1878.6
6873.5	42.5°	6414.5	5065.2	2384.0	1846.7	1716.7	1606.6	1600.0	1639.8	1702.1	1732.6
7759.7	45°	7125.6	5366.4	2214.2	1771.1	1597.3	1488.5	1485.9	1519.0	1573.4	1605.3
8894.0	47.5°	8113.9	5667.6	2098.8	1731.3	1503.1	1391.7	1397.0	1426.2	1475.3	1497.8
10362.7	50°	9402.1	5759.1	2040.4	1731.3	1452.7	1305.4	1332.0	1355.9	1393.0	1406.3
12123.2	52.5°	10638.6	5456.6	1987.4	1741.9	1459.3	1232.5	1289.5	1306.8	1338.6	1343.9
13755.0	55°	11244.9	4691.1	1914.4	1744.6	1500.5	1170.1	1255.0	1286.9	1298.8	1297.5
14702.2	57.5°	11036.6	3793.0	1791.0	1734.0	1528.3	1130.3	1212.6	1273.6	1281.6	1269.6
14521.8	60°	10305.6	2792.7	1696.8	1655.7	1517.7	1118.4	1147.6	1244.4	1256.4	1240.4
13131.4	62.5°	9079.8	1938.3	1623.9	1483.2	1471.3	1114.4	1045.4	1180.7	1209.9	1187.4
10555.0	65°	7148.1	1369.1	1398.3	1300.1	1370.5	1093.2	939.3	1103.8	1143.6	1109.1
7657.6	67.5°	4837.1	988.4	1133.0	1178.1	1207.3	1045.4	862.3	1016.2	1069.3	1024.2
4914.0	70°	2612.2	693.9	748.2	992.4	1025.5	963.2	793.4	927.3	988.4	939.3
3493.1	72.5°	1542.9	498.8	524.0	797.3	854.4	847.7	716.4	823.9	898.2	839.8
2410.6	75°	850.4	337.0	374.1	578.4	693.9	654.1	615.6	697.8	773.5	716.4
1511.1	77.5°	380.8	201.7	260.0	379.4	545.3	448.4	476.3	543.9	614.3	554.6
841.1	80°	147.3	112.8	172.5	207.0	396.7	248.1	306.5	400.7	451.1	403.3
183.1	82.5°	18.6	50.4	74.3	80.9	230.8	131.3	177.8	252.1	248.1	214.9
0.0	85°	0.0	9.3	10.6	5.3	99.5	47.8	58.4	82.3	76.9	58.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2666.6	0°	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6
2388.0	2.5°	2323.0	2275.2	2251.4	2231.5	2250.0	2260.7	2260.7	2305.8	2332.3	2342.9
2163.8	5°	2047.1	1958.2	1898.5	1862.7	1874.6	1887.9	1902.5	1959.5	1998.0	2023.2
2008.6	7.5°	1829.5	1694.2	1610.6	1566.8	1573.4	1582.7	1594.7	1650.4	1688.9	1722.0
1979.4	10°	1722.0	1531.0	1420.9	1367.8	1358.5	1353.2	1349.2	1382.4	1411.6	1438.1
2098.8	12.5°	1727.3	1460.7	1326.7	1261.7	1233.8	1202.0	1176.8	1182.1	1200.6	1233.8
2312.4	15°	1795.0	1438.1	1277.6	1196.7	1150.2	1113.1	1082.6	1075.9	1082.6	1087.9
2556.5	17.5°	1886.5	1435.5	1235.1	1134.3	1086.5	1056.0	1028.2	1018.9	1020.2	1026.8
2718.4	20°	1959.5	1427.5	1187.4	1074.6	1032.2	1005.6	977.8	968.5	971.1	972.5
2734.3	22.5°	1998.0	1415.6	1134.3	1014.9	979.1	952.6	927.3	926.0	926.0	934.0
2648.0	25°	1998.0	1390.4	1086.5	957.9	926.0	902.1	871.6	876.9	879.6	890.2
2514.0	27.5°	1950.2	1342.6	1048.1	908.8	875.6	851.7	823.9	830.5	834.5	846.4
2381.4	30°	1889.2	1285.5	1004.3	862.3	823.9	806.6	782.7	785.4	790.7	804.0
2258.0	32.5°	1824.2	1217.9	968.5	815.9	777.4	764.2	737.6	741.6	746.9	761.5
2135.9	35°	1752.5	1138.3	926.0	773.5	735.0	724.4	693.9	696.5	704.5	720.4
2004.6	37.5°	1676.9	1073.3	883.6	732.3	692.5	681.9	650.1	652.7	662.0	680.6
1866.6	40°	1602.6	1009.6	838.5	688.5	648.7	639.5	605.0	607.6	618.2	638.1
1727.3	42.5°	1521.7	960.5	780.1	643.4	601.0	591.7	559.9	563.8	575.8	595.7
1598.6	45°	1424.8	928.7	715.1	601.0	553.2	543.9	514.7	522.7	536.0	555.9
1488.5	47.5°	1325.3	915.4	660.7	555.9	504.1	496.2	472.3	485.6	500.2	516.1
1394.3	50°	1229.8	898.2	605.0	513.4	461.7	453.7	437.8	455.0	469.6	484.2
1326.7	52.5°	1121.0	861.0	554.6	476.3	425.9	423.2	415.2	431.2	444.4	457.7
1268.3	55°	1008.3	801.3	510.8	443.1	395.3	398.0	394.0	407.3	417.9	429.8
1215.2	57.5°	910.1	725.7	476.3	407.3	368.8	376.8	371.5	378.1	384.7	399.3
1151.6	60°	810.6	635.5	437.8	364.8	342.3	351.6	337.0	335.6	338.3	342.3
1057.4	62.5°	676.6	541.3	390.0	327.7	313.1	317.1	289.2	268.0	268.0	272.0
926.0	65°	543.9	453.7	337.0	285.2	273.3	270.6	230.8	201.7	199.0	210.9
773.5	67.5°	447.1	376.8	283.9	237.5	229.5	232.2	203.0	173.8	171.1	184.4
630.2	70°	370.1	303.8	226.9	183.1	191.0	203.0	173.8	145.9	142.0	153.9
512.1	72.5°	294.5	237.5	173.8	135.3	157.9	172.5	142.0	115.4	112.8	123.4
395.3	75°	216.2	169.8	118.1	98.2	122.1	135.3	103.5	82.3	78.3	87.6
264.0	77.5°	134.0	95.5	74.3	58.4	83.6	90.2	54.4	47.8	46.4	53.1
160.5	80°	62.4	41.1	35.8	19.9	30.5	35.8	22.6	25.2	26.5	31.8
80.9	82.5°	17.2	6.6	1.3	0.0	0.0	10.6	5.3	10.6	13.3	19.9
6.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.6	11.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
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-SB8A-935-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2666.6	0°	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6	2666.6
2417.2	2.5°	2472.9	2526.0	2610.9	2698.5	2784.7	2872.3	2957.2	2987.7
2138.6	5°	2243.4	2365.5	2533.9	2714.4	2900.1	3088.5	3261.0	3339.2
1850.7	7.5°	1987.4	2162.5	2415.9	2698.5	2994.3	3290.2	3562.1	3688.2
1565.5	10°	1714.1	1935.6	2224.8	2606.9	3031.5	3440.1	3814.2	3977.4
1314.7	12.5°	1454.0	1686.2	2005.9	2463.6	3002.3	3526.3	3976.0	4168.4
1138.3	15°	1236.5	1442.1	1787.0	2293.8	2908.1	3531.6	4053.0	4263.9
1040.1	17.5°	1073.3	1207.3	1564.1	2105.4	2784.7	3482.5	4079.5	4305.1
987.0	20°	992.4	1029.5	1274.9	1864.0	2669.3	3436.1	4106.1	4343.5
944.6	22.5°	944.6	953.9	1042.8	1552.2	2531.3	3421.5	4152.5	4396.6
906.1	25°	906.1	908.8	932.7	1229.8	2320.4	3412.2	4224.1	4469.6
866.3	27.5°	867.6	867.6	880.9	991.0	2033.8	3372.4	4317.0	4557.1
826.5	30°	829.2	829.2	838.5	876.9	1698.1	3294.1	4428.4	4671.2
786.7	32.5°	789.4	789.4	797.3	825.2	1355.9	3196.0	4530.6	4786.6
745.6	35°	749.6	746.9	757.5	786.7	1078.6	3071.3	4632.7	4911.4
704.5	37.5°	707.1	705.8	716.4	749.6	931.3	2926.6	4709.7	5081.2
663.3	40°	662.0	662.0	674.0	709.8	888.9	2744.9	4831.8	5325.3
620.9	42.5°	620.9	618.2	631.5	675.3	857.0	2571.1	5050.7	5680.8
582.4	45°	581.1	575.8	587.7	642.1	801.3	2510.1	5459.3	6206.2
545.3	47.5°	543.9	530.7	541.3	602.3	750.9	2738.3	6127.9	6934.5
512.1	50°	513.4	488.2	497.5	562.5	712.4	3233.1	6995.6	7901.7
481.6	52.5°	481.6	448.4	453.7	513.4	677.9	3704.1	7936.2	9177.9
451.1	55°	448.4	411.3	413.9	464.3	628.8	3774.4	8854.2	10918.5
416.6	57.5°	411.3	376.8	376.8	419.2	593.0	3271.6	9560.0	13078.4
374.1	60°	370.1	347.6	341.0	383.4	624.9	2308.4	9642.3	14471.4
319.7	62.5°	325.0	313.1	303.8	348.9	648.7	1367.8	8980.3	14134.4
252.1	65°	273.3	270.6	264.0	383.4	546.6	807.9	7709.3	13100.9
214.9	67.5°	229.5	225.5	225.5	402.0	415.2	508.1	6023.1	11678.7
183.1	70°	197.7	183.1	183.1	303.8	252.1	351.6	4205.6	10143.8
151.2	72.5°	165.8	149.9	139.3	242.8	188.4	257.4	2628.1	8687.1
115.4	75°	132.7	120.7	107.5	160.5	140.6	195.0	1527.0	7197.2
73.0	77.5°	95.5	90.2	75.6	118.1	102.2	140.6	908.8	5553.5
45.1	80°	49.1	50.4	47.8	67.7	69.0	95.5	517.4	3800.9
29.2	82.5°	29.2	22.6	25.2	33.2	39.8	54.4	195.0	2234.1
21.2	85°	18.6	11.9	11.9	15.9	19.9	21.2	59.7	906.1
10.6	87.5°	9.3	4.0	5.3	8.0	6.6	5.3	2.7	228.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)