

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: P955824

Luminaire Tested: **GALN-SB8C-930-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955824
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-SB8C-930-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 615mA 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: 32151 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

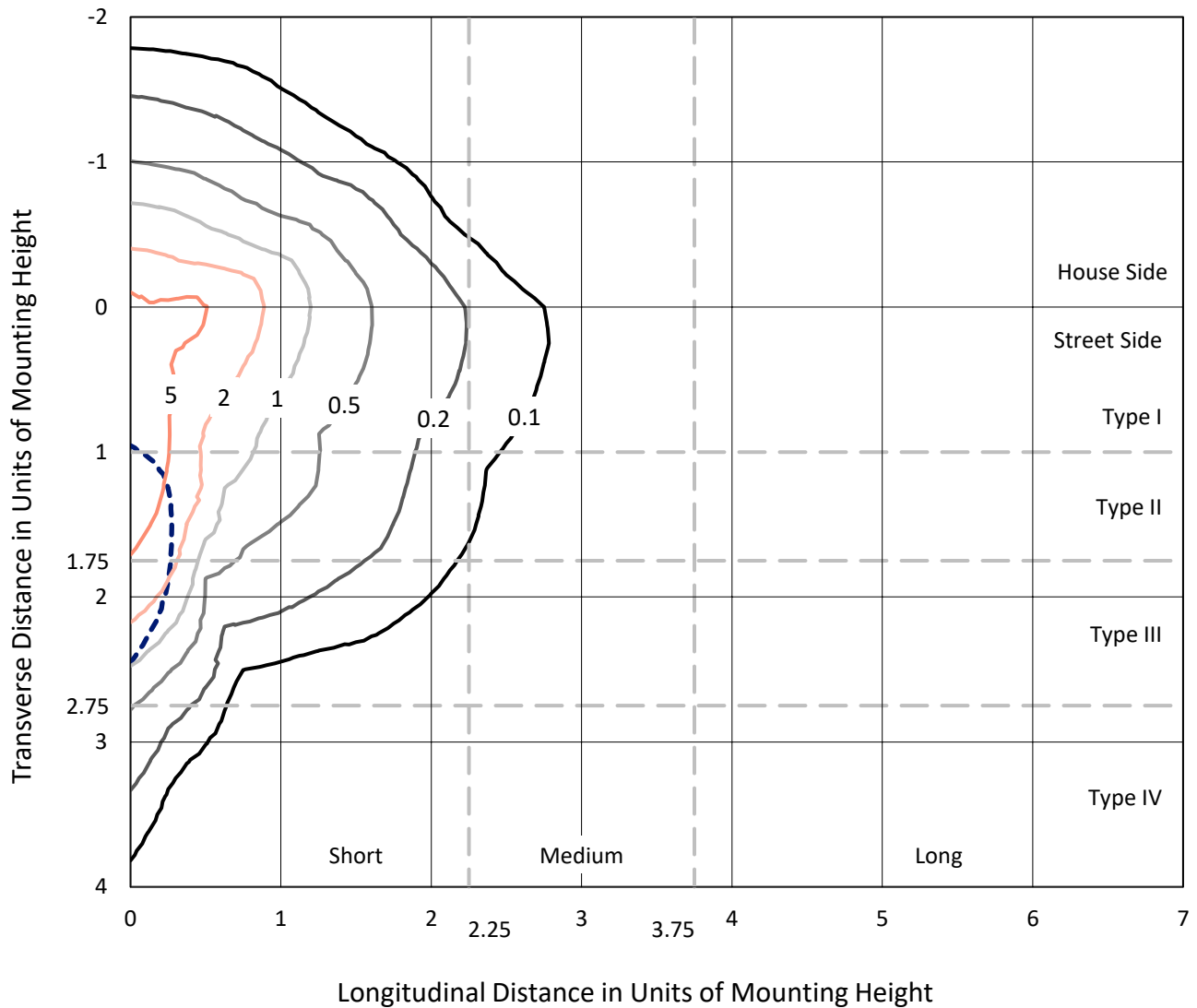
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

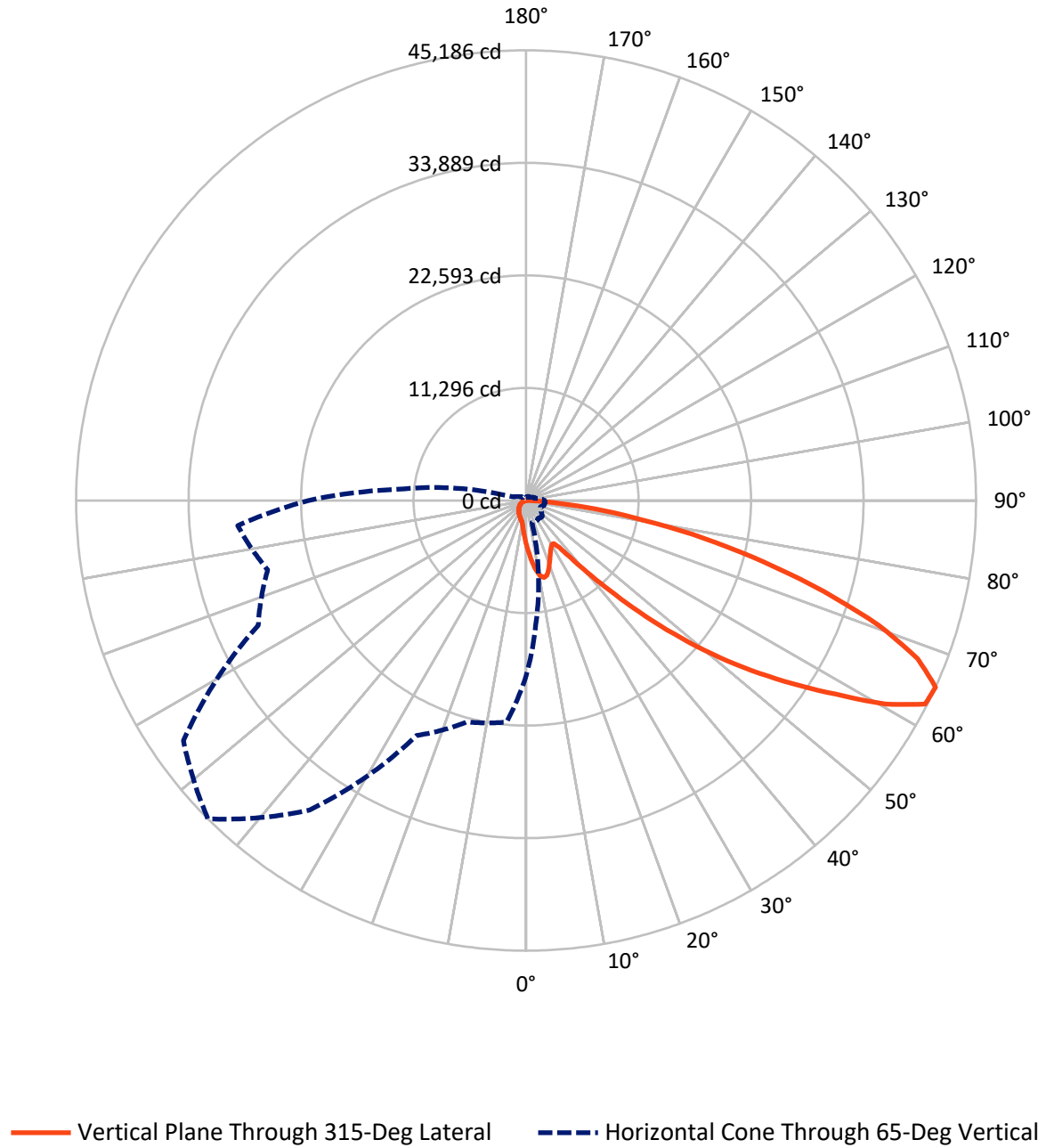
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4502.5	0.0	4502.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	27648.5	0.0	27648.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	32151.0	0.0	32151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.3	1.4
10°-20°	1313.9	4.1
20°-30°	1935.6	6.0
30°-40°	2486.8	7.7
40°-50°	4021.9	12.5
50°-60°	7052.7	21.9
60°-70°	8824.9	27.4
70°-80°	5156.9	16.0
80°-90°	920.1	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°	32151.0	100.0
0°-180°	32151.0	100.0

Coefficient of Utilization



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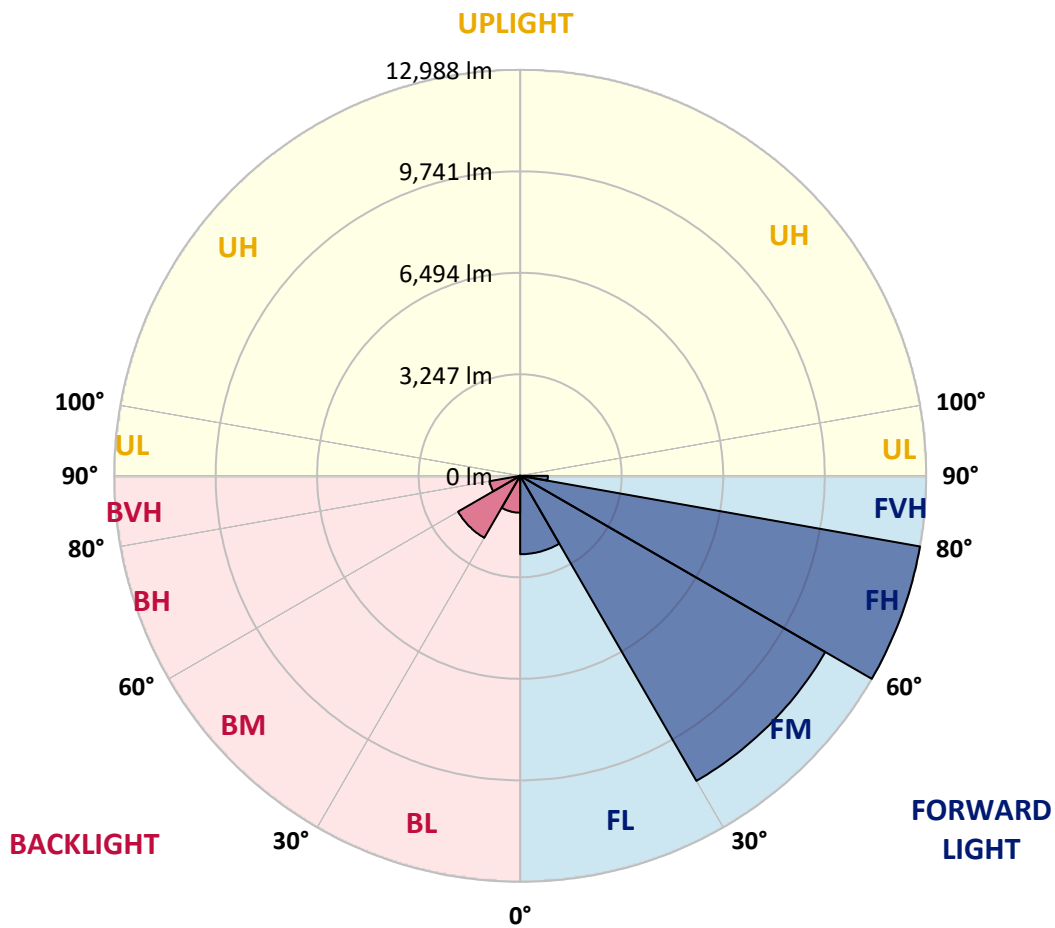
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2507.7	7.8			
FM (30°-60°)	11268.6	35.0			
FH (60°-80°)	12987.5	40.4			G5
FVH (80°-90°)	884.7	2.8			G5
BL (0°-30°)	1180.2	3.7	B3/2500		
BM (30°-60°)	2292.8	7.1	B2/2500		
BH (60°-80°)	994.2	3.1	B2/1000		G2/1000
BVH (80°-90°)	35.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9
2.5°	5030.0	4943.6	4892.6	4766.4	4640.1	4538.3	4400.9	4310.1	4201.6	4097.5
5°	5605.8	5466.3	5298.0	5067.6	4857.2	4642.4	4434.2	4228.2	4011.1	3811.8
7.5°	6093.1	5891.5	5594.8	5289.1	5021.1	4762.0	4518.3	4245.9	3982.3	3670.0
10°	6465.2	6208.3	5818.5	5417.6	5109.7	4848.3	4611.4	4381.0	4115.2	3738.7
12.5°	6691.1	6416.5	5953.6	5484.0	5131.8	4839.5	4655.7	4553.8	4449.7	4075.4
15°	6857.2	6560.4	6048.8	5530.5	5080.9	4722.1	4587.0	4688.9	4808.5	4569.3
17.5°	7030.0	6717.7	6172.8	5550.5	4943.6	4494.0	4436.4	4699.9	4976.8	4965.7
20°	7193.9	6883.8	6281.4	5537.2	4722.1	4217.1	4268.1	4604.7	4925.9	5061.0
22.5°	7382.2	7054.4	6385.5	5486.2	4434.2	3958.0	4117.4	4454.1	4735.4	4894.9
25°	7612.5	7269.2	6531.6	5410.9	4124.1	3743.1	3964.6	4279.1	4507.3	4618.0
27.5°	7860.6	7526.1	6726.6	5371.1	3873.8	3590.3	3791.9	4070.9	4274.7	4352.2
30°	8168.4	7825.1	6956.9	5326.8	3709.9	3501.7	3612.4	3829.5	4028.8	4106.4
32.5°	8505.1	8157.4	7178.4	5220.4	3610.2	3435.3	3437.5	3574.8	3756.4	3849.4
35°	8925.9	8556.0	7415.4	4987.9	3530.5	3357.7	3266.9	3333.4	3484.0	3594.7
37.5°	9526.1	9078.7	7705.5	4655.7	3413.1	3238.1	3087.5	3103.0	3218.2	3340.0
40°	10354.5	9780.9	8046.6	4310.1	3244.8	3069.8	2890.4	2883.8	2967.9	3087.5
42.5°	11475.2	10708.9	8456.4	3980.1	3083.1	2866.0	2682.2	2671.1	2737.6	2841.7
45°	12954.8	11896.1	8959.1	3696.6	2956.8	2666.7	2485.1	2480.7	2536.0	2626.8
47.5°	14848.5	13546.1	9461.9	3503.9	2890.4	2509.4	2323.4	2332.3	2381.0	2462.9
50°	17300.3	15696.8	9614.7	3406.5	2890.4	2425.3	2179.4	2223.7	2263.6	2325.6
52.5°	20239.5	17761.0	9109.8	3317.9	2908.1	2436.4	2057.6	2152.9	2181.6	2234.8
55°	22963.8	18773.2	7831.8	3196.1	2912.6	2505.0	1953.5	2095.3	2148.4	2168.4
57.5°	24545.2	18425.5	6332.3	2990.1	2894.8	2551.5	1887.1	2024.4	2126.3	2139.6
60°	24243.9	17205.1	4662.3	2832.8	2764.2	2533.8	1867.1	1915.9	2077.5	2097.5
62.5°	21922.8	15158.6	3235.9	2711.0	2476.2	2456.3	1860.5	1745.3	1971.2	2020.0
65°	17621.5	11933.7	2285.7	2334.5	2170.6	2288.0	1825.1	1568.1	1842.8	1909.2
67.5°	12784.2	8075.4	1650.1	1891.5	1966.8	2015.5	1745.3	1439.7	1696.6	1785.2
70°	8203.9	4361.1	1158.4	1249.2	1656.7	1712.1	1608.0	1324.5	1548.2	1650.1
72.5°	5831.7	2575.9	832.8	874.9	1331.1	1426.4	1415.3	1196.0	1375.4	1499.5
75°	4024.4	1419.7	562.6	624.6	965.7	1158.4	1091.9	1027.7	1165.0	1291.3
77.5°	2522.7	635.7	336.7	434.1	633.5	910.3	748.6	795.1	908.1	1025.5
80°	1404.2	245.9	188.3	287.9	345.5	662.2	414.2	511.6	668.9	753.1
82.5°	305.7	31.0	84.2	124.0	135.1	385.4	219.3	296.8	420.8	414.2
85°	0.0	0.0	15.5	17.7	8.9	166.1	79.7	97.5	137.3	128.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
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°
4451.9	0°	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9
4004.5	2.5°	3986.8	3878.2	3798.5	3758.6	3725.4	3756.4	3774.1	3774.1	3849.4	3893.7
3690.0	5°	3612.4	3417.5	3269.1	3169.5	3109.7	3129.6	3151.8	3176.1	3271.4	3335.6
3503.9	7.5°	3353.3	3054.3	2828.4	2688.8	2615.8	2626.8	2642.3	2662.3	2755.3	2819.5
3530.5	10°	3304.6	2874.9	2556.0	2372.1	2283.5	2268.0	2259.2	2252.5	2307.9	2356.6
3831.7	12.5°	3503.9	2883.8	2438.6	2214.9	2106.3	2059.8	2006.7	1964.6	1973.4	2004.5
4288.0	15°	3860.5	2996.7	2400.9	2132.9	1997.8	1920.3	1858.3	1807.3	1796.3	1807.3
4686.7	17.5°	4268.1	3149.5	2396.5	2062.0	1893.7	1814.0	1763.0	1716.5	1701.0	1703.2
4910.4	20°	4538.3	3271.4	2383.2	1982.3	1794.0	1723.2	1678.9	1632.4	1616.9	1621.3
4848.3	22.5°	4564.8	3335.6	2363.3	1893.7	1694.4	1634.6	1590.3	1548.2	1546.0	1546.0
4615.8	25°	4420.9	3335.6	2321.2	1814.0	1599.1	1546.0	1506.1	1455.2	1464.0	1468.5
4352.2	27.5°	4197.2	3255.9	2241.4	1749.7	1517.2	1461.8	1421.9	1375.4	1386.5	1393.2
4106.4	30°	3975.7	3154.0	2146.2	1676.7	1439.7	1375.4	1346.6	1306.8	1311.2	1320.1
3862.7	32.5°	3769.7	3045.4	2033.2	1616.9	1362.1	1297.9	1275.8	1231.5	1238.1	1247.0
3623.5	35°	3565.9	2925.8	1900.4	1546.0	1291.3	1227.0	1209.3	1158.4	1162.8	1176.1
3384.3	37.5°	3346.7	2799.6	1791.8	1475.1	1222.6	1156.2	1138.4	1085.3	1089.7	1105.2
3136.3	40°	3116.3	2675.6	1685.5	1399.8	1149.5	1083.1	1067.6	1010.0	1014.4	1032.1
2892.6	42.5°	2883.8	2540.5	1603.6	1302.3	1074.2	1003.3	987.8	934.7	941.3	961.3
2680.0	45°	2668.9	2378.8	1550.4	1193.8	1003.3	923.6	908.1	859.4	872.7	894.8
2500.6	47.5°	2485.1	2212.7	1528.3	1103.0	928.0	841.6	828.4	788.5	810.6	835.0
2347.8	50°	2327.8	2053.2	1499.5	1010.0	857.2	770.8	757.5	730.9	759.7	784.1
2243.7	52.5°	2214.9	1871.6	1437.4	925.8	795.1	711.0	706.5	693.3	719.8	742.0
2166.1	55°	2117.4	1683.3	1337.8	852.7	739.8	660.0	664.5	657.8	680.0	697.7
2119.6	57.5°	2028.8	1519.4	1211.5	795.1	680.0	615.7	629.0	620.2	631.2	642.3
2070.9	60°	1922.5	1353.3	1060.9	730.9	609.1	571.4	586.9	562.6	560.4	564.8
1982.3	62.5°	1765.2	1129.6	903.7	651.2	547.1	522.7	529.4	482.8	447.4	447.4
1851.6	65°	1546.0	908.1	757.5	562.6	476.2	456.3	451.8	385.4	336.7	332.2
1709.9	67.5°	1291.3	746.4	629.0	474.0	396.5	383.2	387.6	338.9	290.1	285.7
1568.1	70°	1052.1	617.9	507.2	378.7	305.7	318.9	338.9	290.1	243.6	237.0
1402.0	72.5°	854.9	491.7	396.5	290.1	225.9	263.6	287.9	237.0	192.7	188.3
1196.0	75°	660.0	361.0	283.5	197.1	163.9	203.8	225.9	172.8	137.3	130.7
925.8	77.5°	440.8	223.7	159.5	124.0	97.5	139.5	150.6	90.8	79.7	77.5
673.3	80°	268.0	104.1	68.7	59.8	33.2	50.9	59.8	37.7	42.1	44.3
358.8	82.5°	135.1	28.8	11.1	2.2	0.0	0.0	17.7	8.9	17.7	22.1
97.5	85°	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	11.1
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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4451.9	0°	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9
3911.5	2.5°	4035.5	4128.5	4217.1	4358.9	4505.0	4649.0	4795.2	4936.9	4987.9	5025.5
3377.7	5°	3570.4	3745.3	3949.1	4230.4	4531.6	4841.7	5156.2	5444.1	5574.8	5663.4
2874.9	7.5°	3089.7	3317.9	3610.2	4033.3	4505.0	4999.0	5492.9	5946.9	6157.3	6327.9
2400.9	10°	2613.5	2861.6	3231.5	3714.3	4352.2	5061.0	5743.2	6367.7	6640.2	6855.0
2059.8	12.5°	2194.9	2427.5	2815.1	3348.9	4113.0	5012.2	5887.1	6638.0	6959.1	7200.5
1816.2	15°	1900.4	2064.3	2407.6	2983.4	3829.5	4855.0	5896.0	6766.4	7118.6	7371.1
1714.3	17.5°	1736.5	1791.8	2015.5	2611.3	3515.0	4649.0	5814.0	6810.7	7187.2	7422.0
1623.5	20°	1647.9	1656.7	1718.7	2128.5	3111.9	4456.3	5736.5	6855.0	7251.5	7448.6
1559.3	22.5°	1577.0	1577.0	1592.5	1740.9	2591.4	4226.0	5712.1	6932.5	7340.1	7461.9
1486.2	25°	1512.8	1512.8	1517.2	1557.1	2053.2	3873.8	5696.6	7052.1	7461.9	7495.1
1413.1	27.5°	1446.3	1448.5	1448.5	1470.7	1654.5	3395.4	5630.2	7207.2	7608.1	7539.4
1342.2	30°	1379.9	1384.3	1384.3	1399.8	1464.0	2835.0	5499.5	7393.2	7798.6	7597.0
1271.3	32.5°	1313.4	1317.8	1317.8	1331.1	1377.6	2263.6	5335.6	7563.8	7991.2	7621.4
1202.7	35°	1244.8	1251.4	1247.0	1264.7	1313.4	1800.7	5127.4	7734.3	8199.4	7698.9
1136.2	37.5°	1176.1	1180.5	1178.3	1196.0	1251.4	1554.8	4886.0	7862.8	8482.9	7871.6
1065.4	40°	1107.4	1105.2	1105.2	1125.2	1185.0	1484.0	4582.6	8066.5	8890.5	8175.1
994.5	42.5°	1036.6	1036.6	1032.1	1054.3	1127.4	1430.8	4292.4	8432.0	9484.1	8657.9
928.0	45°	972.3	970.1	961.3	981.2	1072.0	1337.8	4190.5	9114.2	10361.2	9439.8
861.6	47.5°	910.3	908.1	885.9	903.7	1005.6	1253.6	4571.5	10230.5	11577.1	10589.3
808.4	50°	854.9	857.2	815.1	830.6	939.1	1189.4	5397.6	11679.0	13191.8	12137.5
764.1	52.5°	804.0	804.0	748.6	757.5	857.2	1131.8	6183.9	13249.3	15322.5	14297.0
717.6	55°	753.1	748.6	686.6	691.0	775.2	1049.8	6301.3	14782.0	18228.4	17546.2
666.7	57.5°	695.5	686.6	629.0	629.0	699.9	990.0	5461.9	15960.3	21834.2	22321.4
571.4	60°	624.6	617.9	580.3	569.2	640.1	1043.2	3853.9	16097.7	24159.8	28671.5
454.0	62.5°	533.8	542.6	522.7	507.2	582.5	1083.1	2283.5	14992.4	23597.2	30691.4
352.2	65°	420.8	456.3	451.8	440.8	640.1	912.5	1348.9	12870.6	21871.8	29061.3
307.9	67.5°	358.8	383.2	376.5	376.5	671.1	693.3	848.3	10055.5	19497.5	27127.7
256.9	70°	305.7	330.0	305.7	305.7	507.2	420.8	586.9	7021.1	16934.9	24988.1
206.0	72.5°	252.5	276.9	250.3	232.6	405.3	314.5	429.7	4387.7	14503.0	22760.0
146.2	75°	192.7	221.5	201.6	179.4	268.0	234.8	325.6	2549.3	12015.7	19473.1
88.6	77.5°	121.8	159.5	150.6	126.2	197.1	170.5	234.8	1517.2	9271.4	15216.1
53.2	80°	75.3	82.0	84.2	79.7	113.0	115.2	159.5	863.8	6345.6	10604.8
33.2	82.5°	48.7	48.7	37.7	42.1	55.4	66.4	90.8	325.6	3729.8	6456.3
19.9	85°	35.4	31.0	19.9	19.9	26.6	33.2	35.4	99.7	1512.8	2549.3
8.9	87.5°	17.7	15.5	6.6	8.9	13.3	11.1	8.9	4.4	381.0	815.1
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-SB8C-930-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4451.9	0°	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9
5109.7	2.5°	5154.0	5222.7	5227.1	5227.1	5167.3	5165.1	5043.3	5030.0
5862.8	5°	6068.7	6113.0	6124.1	6102.0	5982.4	5893.8	5656.8	5605.8
6631.3	7.5°	6906.0	6994.6	6994.6	6941.4	6746.5	6564.9	6221.6	6093.1
7267.0	10°	7574.8	7676.7	7654.6	7546.1	7300.2	7049.9	6633.5	6465.2
7652.4	12.5°	7900.4	8004.5	7946.9	7822.9	7583.7	7320.1	6881.6	6691.1
7763.1	15°	7893.8	7865.0	7805.2	7789.7	7674.5	7475.2	7065.4	6857.2
7694.5	17.5°	7612.5	7368.9	7322.4	7477.4	7623.6	7574.8	7224.9	7030.0
7530.6	20°	7167.3	6742.1	6700.0	6996.8	7413.2	7625.8	7373.3	7193.9
7293.6	22.5°	6697.8	6239.3	6141.8	6469.6	7096.4	7641.3	7561.6	7382.2
7032.2	25°	6252.6	5791.9	5694.4	6000.1	6744.3	7614.7	7765.3	7612.5
6781.9	27.5°	5880.5	5435.3	5344.5	5650.1	6405.4	7539.4	7969.1	7860.6
6533.9	30°	5592.5	5180.6	5114.1	5408.7	6113.0	7446.4	8228.2	8168.4
6303.5	32.5°	5424.2	5123.0	5147.4	5388.8	5955.8	7344.5	8476.3	8505.1
6190.6	35°	5590.3	5603.6	5816.2	5915.9	6102.0	7329.0	8813.0	8925.9
6325.7	37.5°	6416.5	6877.2	7317.9	7236.0	6817.4	7508.4	9315.7	9526.1
6914.8	40°	7822.9	8768.7	9484.1	9171.8	8117.5	8057.7	10040.0	10354.5
7960.2	42.5°	9541.7	11145.2	12323.5	11486.3	9794.1	9018.9	11074.3	11475.2
9224.9	45°	11355.6	14075.5	15931.5	14190.7	11581.5	10365.6	12640.3	12954.8
10409.9	47.5°	13267.1	17637.0	20037.9	17189.6	13238.3	11898.3	14775.4	14848.5
11532.8	50°	15357.9	21541.8	24224.0	20186.3	14837.4	13654.7	17384.5	17300.3
12841.8	52.5°	17349.1	25557.4	28321.5	23196.3	16241.6	15834.1	20412.2	20239.5
14631.4	55°	19249.4	29570.7	32443.4	26088.9	17566.1	18713.4	24009.2	22963.8
17211.7	57.5°	21453.2	33178.7	36691.5	28994.8	19417.7	22452.1	28031.4	24545.2
22153.1	60°	24711.3	37278.4	41495.6	32977.2	22939.4	26381.3	29473.2	24243.9
28071.2	62.5°	28870.8	41048.1	44988.4	36879.8	26476.5	27121.1	27349.2	21922.8
26864.1	65°	29679.2	42002.8	45185.5	37923.0	26020.3	23005.8	22328.1	17621.5
23995.9	67.5°	27535.2	40277.4	42430.2	35980.5	23016.9	17778.7	16755.5	12784.2
22113.2	70°	25129.9	36988.3	37628.4	32678.2	20243.9	13076.6	11315.8	8203.9
20824.2	72.5°	22664.7	32600.6	31276.2	28379.1	17792.0	9521.7	8161.8	5831.7
18988.1	75°	19736.7	26830.9	24636.0	23579.5	14731.1	7473.0	5904.8	4024.4
16332.4	77.5°	15805.3	18886.2	18299.2	18277.1	11069.9	5459.6	3940.3	2522.7
12759.9	80°	11149.6	12257.1	11958.1	13765.4	7426.5	3960.2	2372.1	1404.2
8881.6	82.5°	5397.6	6777.5	6956.9	8197.2	3612.4	2330.0	547.1	305.7
3472.9	85°	2113.0	3269.1	2757.5	3111.9	1014.4	649.0	13.3	0.0
571.4	87.5°	237.0	378.7	347.7	274.6	124.0	26.6	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)