

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: P957252

Luminaire Tested: **GALN-SB9C-930-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957252
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-SB9C-930-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 36216 lumens
Efficiency: N/A
Efficacy: 80.5 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

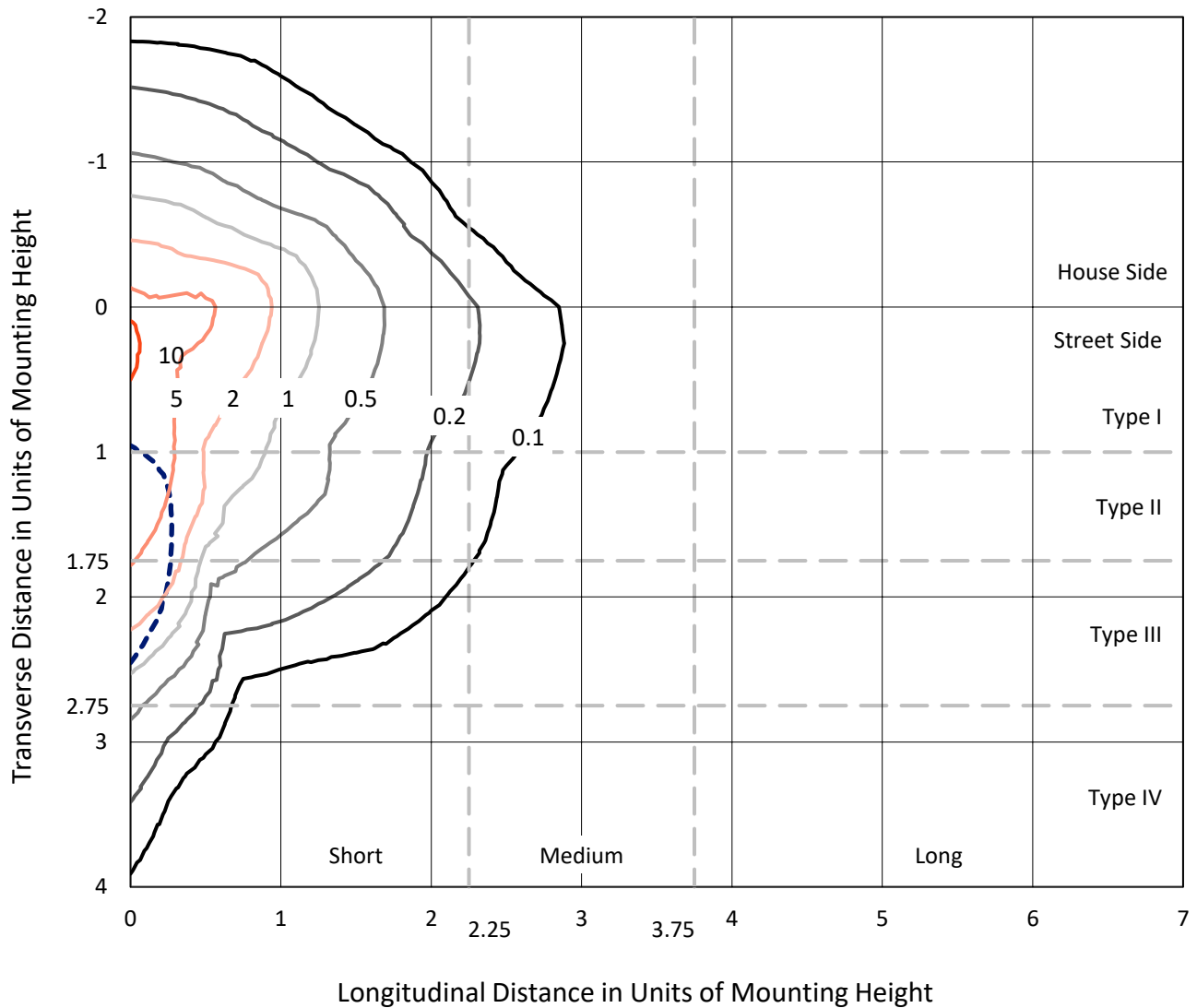
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

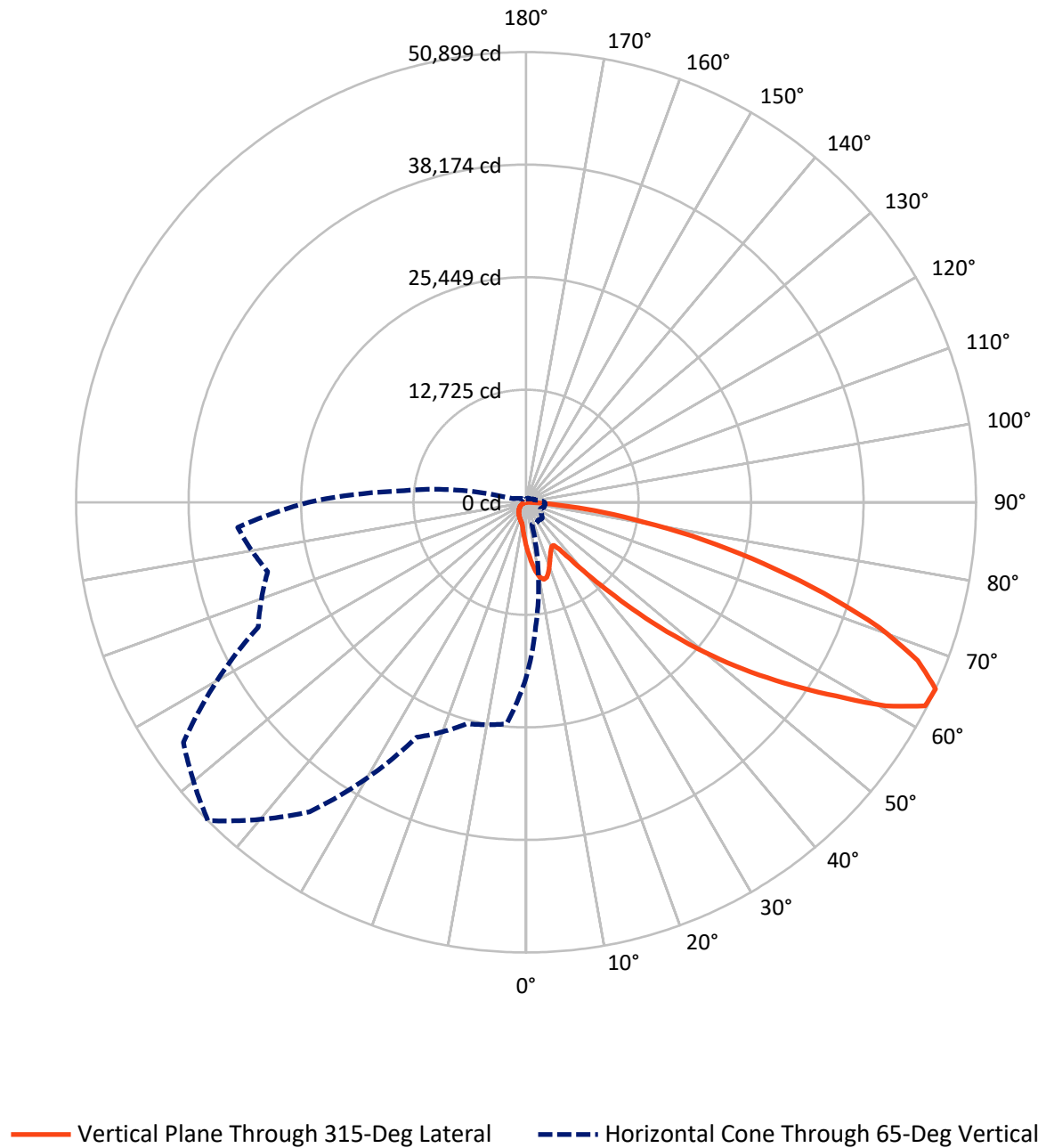
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	5071.8	0.0	5071.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	31144.2	0.0	31144.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	36216.0	0.0	36216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.7	1.4
10°-20°	1480.0	4.1
20°-30°	2180.4	6.0
30°-40°	2801.2	7.7
40°-50°	4530.4	12.5
50°-60°	7944.4	21.9
60°-70°	9940.6	27.4
70°-80°	5808.8	16.0
80°-90°	1036.4	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°	36216.0	100.0
0°-180°	36216.0	100.0

Coefficient of Utilization



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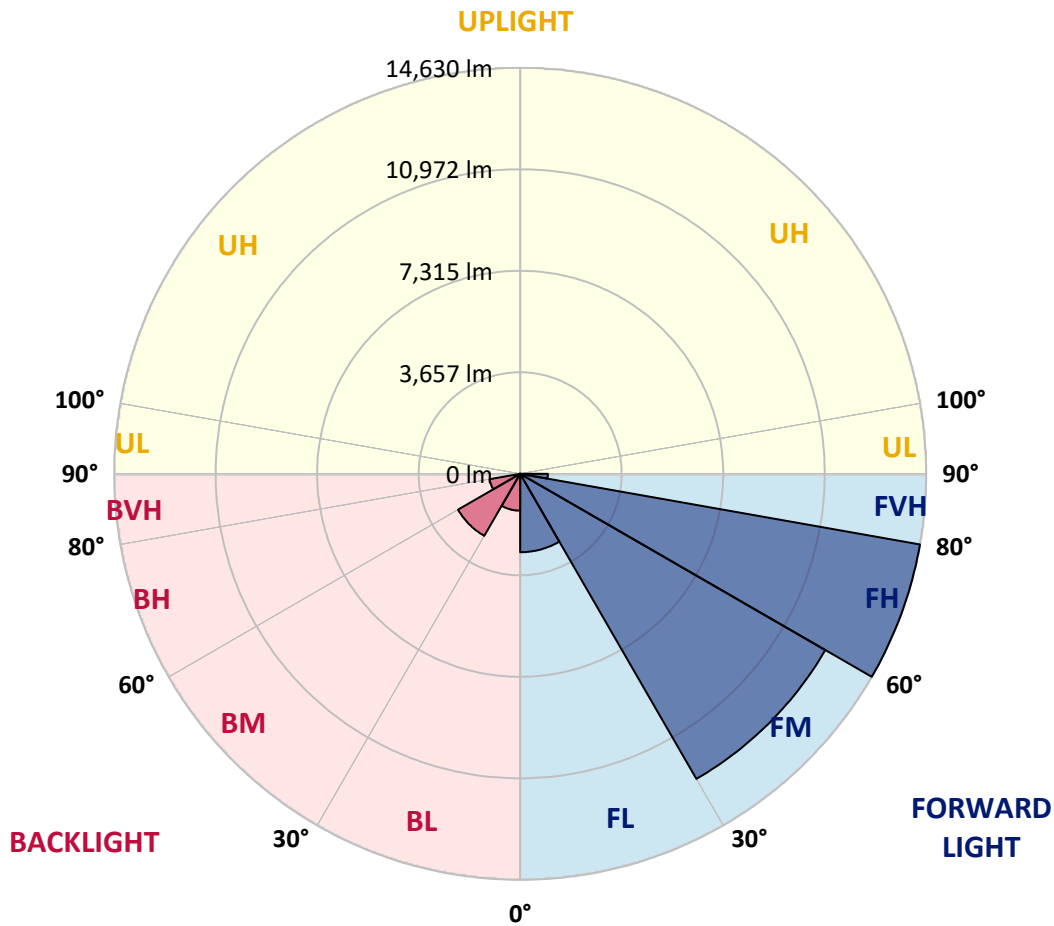
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2824.7	7.8			
FM (30°-60°)	12693.3	35.0			
FH (60°-80°)	14629.6	40.4			G5
FVH (80°-90°)	996.6	2.8			G5
BL (0°-30°)	1329.4	3.7	B3/2500		
BM (30°-60°)	2582.7	7.1	B3/5000		
BH (60°-80°)	1119.9	3.1	B3/2500		G3/2500
BVH (80°-90°)	39.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8
2.5°	5665.9	5568.6	5511.2	5369.0	5226.8	5112.1	4957.4	4855.1	4732.8	4615.6
5°	6314.6	6157.4	5967.8	5708.3	5471.3	5229.3	4994.8	4762.8	4518.3	4293.7
7.5°	6863.5	6636.4	6302.1	5957.8	5655.9	5364.0	5089.6	4782.7	4485.8	4134.1
10°	7282.6	6993.2	6554.1	6102.5	5755.7	5461.3	5194.4	4934.9	4635.5	4211.4
12.5°	7537.1	7227.7	6706.3	6177.4	5780.7	5451.4	5244.3	5129.5	5012.3	4590.6
15°	7724.2	7389.9	6813.6	6229.8	5723.3	5319.1	5166.9	5281.7	5416.4	5147.0
17.5°	7918.8	7567.0	6953.3	6252.2	5568.6	5062.2	4997.3	5294.2	5606.0	5593.6
20°	8103.4	7754.2	7075.5	6237.3	5319.1	4750.3	4807.7	5186.9	5548.7	5700.9
22.5°	8315.5	7946.3	7192.8	6179.9	4994.8	4458.4	4638.0	5017.3	5334.1	5513.7
25°	8575.0	8188.3	7357.5	6095.1	4645.5	4216.4	4465.9	4820.2	5077.1	5201.9
27.5°	8854.4	8477.7	7577.0	6050.1	4363.6	4044.2	4271.3	4585.6	4815.2	4902.5
30°	9201.2	8814.5	7836.5	6000.2	4179.0	3944.4	4069.2	4313.7	4538.2	4625.6
32.5°	9580.4	9188.7	8086.0	5880.5	4066.7	3869.6	3872.1	4026.8	4231.4	4336.1
35°	10054.5	9637.8	8352.9	5618.5	3976.9	3782.3	3680.0	3754.8	3924.5	4049.2
37.5°	10730.6	10226.6	8679.8	5244.3	3844.6	3647.5	3477.9	3495.4	3625.1	3762.3
40°	11663.7	11017.5	9064.0	4855.1	3655.0	3457.9	3255.8	3248.4	3343.2	3477.9
42.5°	12926.1	12062.9	9525.5	4483.3	3472.9	3228.4	3021.3	3008.9	3083.7	3201.0
45°	14592.7	13400.1	10091.9	4164.0	3330.7	3003.9	2799.3	2794.3	2856.7	2959.0
47.5°	16725.8	15258.8	10658.2	3946.9	3255.8	2826.7	2617.2	2627.1	2682.0	2774.3
50°	19487.7	17681.4	10830.4	3837.2	3255.8	2731.9	2455.0	2504.9	2549.8	2619.6
52.5°	22798.4	20006.6	10261.5	3737.4	3275.8	2744.4	2317.8	2425.0	2457.5	2517.4
55°	25867.2	21146.8	8822.0	3600.1	3280.8	2821.7	2200.5	2360.2	2420.1	2442.5
57.5°	27648.5	20755.1	7132.9	3368.1	3260.8	2874.1	2125.7	2280.3	2395.1	2410.1
60°	27309.2	19380.4	5251.8	3191.0	3113.6	2854.2	2103.2	2158.1	2340.2	2362.7
62.5°	24694.6	17075.1	3645.1	3053.8	2789.3	2766.8	2095.7	1966.0	2220.5	2275.4
65°	19849.5	13442.5	2574.7	2629.6	2445.0	2577.2	2055.8	1766.4	2075.8	2150.6
67.5°	14400.6	9096.4	1858.7	2130.6	2215.5	2270.4	1966.0	1621.7	1911.1	2010.9
70°	9241.1	4912.5	1304.8	1407.1	1866.2	1928.6	1811.3	1492.0	1743.9	1858.7
72.5°	6569.1	2901.6	938.1	985.5	1499.4	1606.7	1594.2	1347.2	1549.3	1689.1
75°	4533.2	1599.2	633.7	703.6	1087.8	1304.8	1230.0	1157.6	1312.3	1454.5
77.5°	2841.7	716.0	379.2	489.0	713.5	1025.4	843.3	895.7	1022.9	1155.1
80°	1581.8	276.9	212.1	324.3	389.2	746.0	466.5	576.3	753.5	848.3
82.5°	344.3	34.9	94.8	139.7	152.2	434.1	247.0	334.3	474.0	466.5
85°	0.0	0.0	17.5	20.0	10.0	187.1	89.8	109.8	154.7	144.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
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°
5014.8	0°	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8
4510.8	2.5°	4490.8	4368.6	4278.8	4233.9	4196.4	4231.4	4251.3	4251.3	4336.1	4386.0
4156.5	5°	4069.2	3849.6	3682.5	3570.2	3502.8	3525.3	3550.2	3577.7	3685.0	3757.3
3946.9	7.5°	3777.3	3440.5	3186.0	3028.8	2946.5	2959.0	2976.4	2998.9	3103.7	3176.0
3976.9	10°	3722.4	3238.4	2879.1	2672.0	2572.2	2554.8	2544.8	2537.3	2599.7	2654.6
4316.2	12.5°	3946.9	3248.4	2746.9	2494.9	2372.7	2320.3	2260.4	2213.0	2223.0	2257.9
4830.1	15°	4348.6	3375.6	2704.5	2402.6	2250.4	2163.1	2093.2	2035.8	2023.4	2035.8
5279.2	17.5°	4807.7	3547.8	2699.5	2322.8	2133.1	2043.3	1985.9	1933.6	1916.1	1918.6
5531.2	20°	5112.1	3685.0	2684.5	2232.9	2020.9	1941.0	1891.1	1838.7	1821.3	1826.3
5461.3	22.5°	5142.0	3757.3	2662.1	2133.1	1908.6	1841.2	1791.3	1743.9	1741.4	1741.4
5199.4	25°	4979.8	3757.3	2614.7	2043.3	1801.3	1741.4	1696.5	1639.2	1649.1	1654.1
4902.5	27.5°	4727.8	3667.5	2524.8	1971.0	1709.0	1646.6	1601.7	1549.3	1561.8	1569.3
4625.6	30°	4478.4	3552.7	2417.6	1888.6	1621.7	1549.3	1516.9	1472.0	1477.0	1487.0
4351.1	32.5°	4246.3	3430.5	2290.3	1821.3	1534.4	1462.0	1437.1	1387.2	1394.7	1404.6
4081.7	35°	4016.8	3295.8	2140.6	1741.4	1454.5	1382.2	1362.2	1304.8	1309.8	1324.8
3812.2	37.5°	3769.8	3153.6	2018.4	1661.6	1377.2	1302.3	1282.4	1222.5	1227.5	1245.0
3532.8	40°	3510.3	3013.8	1898.6	1576.8	1294.9	1220.0	1202.5	1137.7	1142.7	1162.6
3258.3	42.5°	3248.4	2861.7	1806.3	1467.0	1210.0	1130.2	1112.7	1052.8	1060.3	1082.8
3018.8	45°	3006.4	2679.5	1746.4	1344.8	1130.2	1040.4	1022.9	968.0	983.0	1007.9
2816.7	47.5°	2799.3	2492.4	1721.5	1242.5	1045.4	948.1	933.1	888.2	913.1	940.6
2644.6	50°	2622.1	2312.8	1689.1	1137.7	965.5	868.2	853.3	823.3	855.8	883.2
2527.3	52.5°	2494.9	2108.2	1619.2	1042.9	895.7	800.9	795.9	780.9	810.8	835.8
2440.0	55°	2385.1	1896.1	1506.9	960.5	833.3	743.5	748.5	741.0	765.9	785.9
2387.6	57.5°	2285.3	1711.5	1364.7	895.7	765.9	693.6	708.6	698.6	711.0	723.5
2332.7	60°	2165.6	1524.4	1195.1	823.3	686.1	643.7	661.1	633.7	631.2	636.2
2232.9	62.5°	1988.4	1272.4	1017.9	733.5	616.2	588.8	596.3	543.9	504.0	504.0
2085.7	65°	1741.4	1022.9	853.3	633.7	536.4	514.0	509.0	434.1	379.2	374.2
1926.1	67.5°	1454.5	840.8	708.6	533.9	446.6	431.6	436.6	381.7	326.8	321.8
1766.4	70°	1185.1	696.1	571.3	426.6	344.3	359.3	381.7	326.8	274.4	267.0
1579.3	72.5°	963.0	553.9	446.6	326.8	254.5	296.9	324.3	267.0	217.1	212.1
1347.2	75°	743.5	406.7	319.3	222.0	184.6	229.5	254.5	194.6	154.7	147.2
1042.9	77.5°	496.5	252.0	179.6	139.7	109.8	157.2	169.7	102.3	89.8	87.3
758.5	80°	301.9	117.3	77.3	67.4	37.4	57.4	67.4	42.4	47.4	49.9
404.2	82.5°	152.2	32.4	12.5	2.5	0.0	0.0	20.0	10.0	20.0	24.9
109.8	85°	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	12.5
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°
5014.8	0°	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8
4406.0	2.5°	4545.7	4650.5	4750.3	4910.0	5074.6	5236.8	5401.5	5561.1	5618.5	5660.9
3804.7	5°	4021.8	4218.9	4448.4	4765.3	5104.6	5453.9	5808.1	6132.5	6279.7	6379.5
3238.4	7.5°	3480.4	3737.4	4066.7	4543.2	5074.6	5631.0	6187.4	6698.8	6935.8	7127.9
2704.5	10°	2944.0	3223.4	3640.1	4184.0	4902.5	5700.9	6469.3	7172.8	7479.7	7721.7
2320.3	12.5°	2472.4	2734.4	3171.0	3772.3	4633.0	5646.0	6631.5	7477.2	7839.0	8110.9
2045.8	15°	2140.6	2325.3	2712.0	3360.6	4313.7	5468.8	6641.4	7621.9	8018.6	8303.0
1931.1	17.5°	1956.0	2018.4	2270.4	2941.5	3959.4	5236.8	6549.1	7671.8	8096.0	8360.4
1828.8	20°	1856.2	1866.2	1936.0	2397.6	3505.3	5019.7	6461.8	7721.7	8168.3	8390.4
1756.4	22.5°	1776.4	1776.4	1793.8	1961.0	2919.0	4760.3	6434.4	7809.0	8268.1	8405.3
1674.1	25°	1704.0	1704.0	1709.0	1753.9	2312.8	4363.6	6416.9	7943.8	8405.3	8442.8
1591.7	27.5°	1629.2	1631.7	1631.7	1656.6	1863.7	3824.7	6342.0	8118.4	8570.0	8492.7
1511.9	30°	1554.3	1559.3	1559.3	1576.8	1649.1	3193.5	6194.8	8328.0	8784.6	8557.5
1432.1	32.5°	1479.5	1484.5	1484.5	1499.4	1551.8	2549.8	6010.2	8520.1	9001.6	8585.0
1354.7	35°	1402.1	1409.6	1404.6	1424.6	1479.5	2028.4	5775.7	8712.2	9236.1	8672.3
1279.9	37.5°	1324.8	1329.8	1327.3	1347.2	1409.6	1751.4	5503.8	8856.9	9555.5	8866.9
1200.0	40°	1247.5	1245.0	1245.0	1267.4	1334.8	1671.6	5162.0	9086.4	10014.5	9208.7
1120.2	42.5°	1167.6	1167.6	1162.6	1187.6	1269.9	1611.7	4835.1	9498.1	10683.2	9752.6
1045.4	45°	1095.3	1092.8	1082.8	1105.2	1207.5	1506.9	4720.4	10266.5	11671.2	10633.3
970.5	47.5°	1025.4	1022.9	998.0	1017.9	1132.7	1412.1	5149.5	11524.0	13040.9	11928.1
910.6	50°	963.0	965.5	918.1	935.6	1057.8	1339.8	6080.1	13155.6	14859.6	13672.1
860.7	52.5°	905.7	905.7	843.3	853.3	965.5	1274.9	6965.8	14924.5	17259.7	16104.6
808.3	55°	848.3	843.3	773.4	778.4	873.2	1182.6	7098.0	16651.0	20533.1	19764.6
751.0	57.5°	783.4	773.4	708.6	708.6	788.4	1115.2	6152.4	17978.3	24594.8	25143.6
643.7	60°	703.6	696.1	653.7	641.2	721.0	1175.1	4341.1	18133.0	27214.4	32296.5
511.5	62.5°	601.3	611.3	588.8	571.3	656.2	1220.0	2572.2	16888.0	26580.7	34571.9
396.7	65°	474.0	514.0	509.0	496.5	721.0	1027.9	1519.4	14497.9	24637.2	32735.6
346.8	67.5°	404.2	431.6	424.1	424.1	756.0	780.9	955.5	11326.9	21962.6	30557.6
289.4	70°	344.3	371.7	344.3	344.3	571.3	474.0	661.1	7908.8	19076.0	28147.5
232.0	72.5°	284.4	311.9	281.9	262.0	456.6	354.3	484.0	4942.4	16336.6	25637.6
164.7	75°	217.1	249.5	227.0	202.1	301.9	264.5	366.8	2871.6	13534.9	21935.2
99.8	77.5°	137.2	179.6	169.7	142.2	222.0	192.1	264.5	1709.0	10443.7	17140.0
59.9	80°	84.8	92.3	94.8	89.8	127.2	129.7	179.6	973.0	7147.9	11945.6
37.4	82.5°	54.9	54.9	42.4	47.4	62.4	74.8	102.3	366.8	4201.4	7272.6
22.5	85°	39.9	34.9	22.5	22.5	29.9	37.4	39.9	112.3	1704.0	2871.6
10.0	87.5°	20.0	17.5	7.5	10.0	15.0	12.5	10.0	5.0	429.1	918.1
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-SB9C-930-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
5014.8	0°	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8
5755.7	2.5°	5805.6	5883.0	5888.0	5888.0	5820.6	5818.1	5680.9	5665.9
6604.0	5°	6836.0	6885.9	6898.4	6873.5	6738.7	6638.9	6372.0	6314.6
7469.7	7.5°	7779.1	7878.9	7878.9	7819.0	7599.5	7394.9	7008.2	6863.5
8185.8	10°	8532.6	8647.3	8622.4	8500.1	8223.2	7941.3	7472.2	7282.6
8619.9	12.5°	8899.3	9016.6	8951.7	8812.0	8542.6	8245.7	7751.7	7537.1
8744.6	15°	8891.8	8859.4	8792.0	8774.6	8644.8	8420.3	7958.7	7724.2
8667.3	17.5°	8575.0	8300.5	8248.2	8422.8	8587.5	8532.6	8138.4	7918.8
8482.7	20°	8073.5	7594.5	7547.1	7881.4	8350.4	8590.0	8305.5	8103.4
8215.7	22.5°	7544.6	7028.1	6918.4	7287.6	7993.7	8607.4	8517.6	8315.5
7921.3	25°	7043.1	6524.2	6414.4	6758.7	7597.0	8577.5	8747.1	8575.0
7639.4	27.5°	6624.0	6122.5	6020.2	6364.5	7215.3	8492.7	8976.7	8854.4
7360.0	30°	6299.6	5835.6	5760.7	6092.6	6885.9	8387.9	9268.6	9201.2
7100.5	32.5°	6110.0	5770.7	5798.2	6070.1	6708.8	8273.1	9548.0	9580.4
6973.3	35°	6297.1	6312.1	6551.6	6663.9	6873.5	8255.6	9927.2	10054.5
7125.4	37.5°	7227.7	7746.7	8243.2	8150.9	7679.3	8457.7	10493.6	10730.6
7789.1	40°	8812.0	9877.3	10683.2	10331.4	9143.8	9076.5	11309.4	11663.7
8966.7	42.5°	10748.0	12554.4	13881.6	12938.6	11032.5	10159.2	12474.5	12926.1
10391.3	45°	12791.4	15855.1	17945.8	15984.9	13045.9	11676.2	14238.4	14592.7
11726.0	47.5°	14944.5	19866.9	22571.4	19363.0	14912.0	13402.6	16643.5	16725.8
12991.0	50°	17299.7	24265.4	27286.8	22738.6	16713.4	15381.1	19582.5	19487.7
14465.5	52.5°	19542.6	28788.7	31902.3	26129.1	18295.1	17836.1	22993.0	22798.4
16481.3	55°	21683.2	33309.5	36545.4	29387.5	19787.1	21079.4	27044.8	25867.2
19387.9	57.5°	24165.6	37373.7	41330.6	32660.8	21872.8	25290.8	31575.5	27648.5
24954.0	60°	27835.6	41991.7	46742.0	37146.6	25839.7	29716.8	33199.7	27309.2
31620.4	62.5°	32521.1	46238.1	50676.5	41542.6	29824.1	30550.1	30807.1	24694.6
30260.7	65°	33431.7	47313.4	50898.5	42717.7	29310.1	25914.6	25151.1	19849.5
27029.8	67.5°	31016.6	45369.8	47794.9	40529.7	25927.0	20026.6	18873.9	14400.6
24909.1	70°	28307.2	41664.9	42385.9	36809.8	22803.4	14729.9	12746.5	9241.1
23457.1	72.5°	25530.4	36722.5	35230.5	31967.2	20041.6	10725.6	9193.7	6569.1
21388.8	75°	22232.1	30223.3	27750.8	26560.7	16593.6	8417.8	6651.4	4533.2
18397.4	77.5°	17803.6	21274.0	20612.9	20587.9	12469.5	6149.9	4438.4	2841.7
14373.1	80°	12559.3	13806.8	13470.0	15505.8	8365.4	4460.9	2672.0	1581.8
10004.6	82.5°	6080.1	7634.4	7836.5	9233.6	4069.2	2624.6	616.2	344.3
3912.0	85°	2380.1	3682.5	3106.2	3505.3	1142.7	731.0	15.0	0.0
643.7	87.5°	267.0	426.6	391.7	309.4	139.7	29.9	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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