

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: P953388

Luminaire Tested: **GALN-SB6D-950-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953388
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-SB6D-950-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA 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: 32762 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

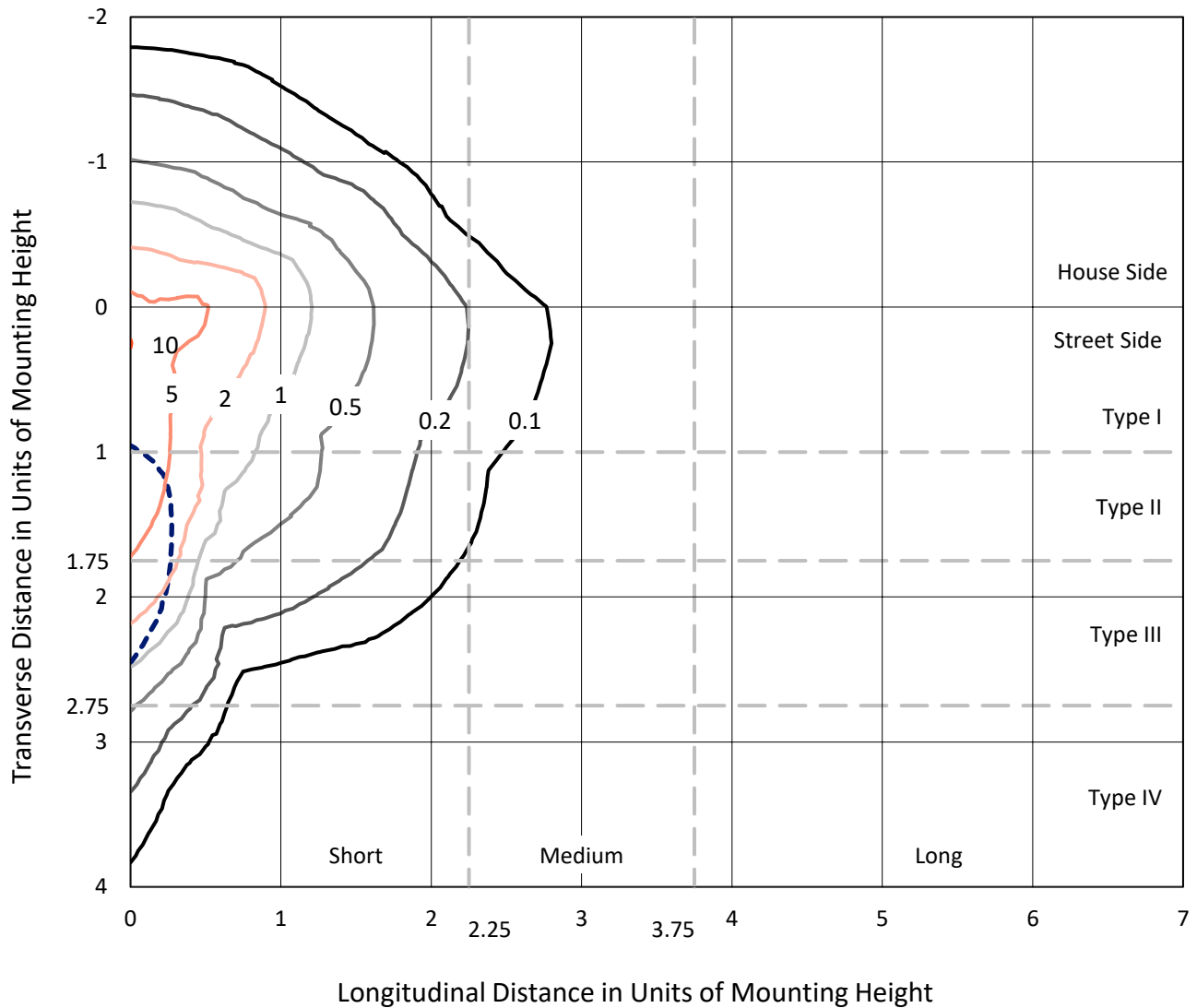
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

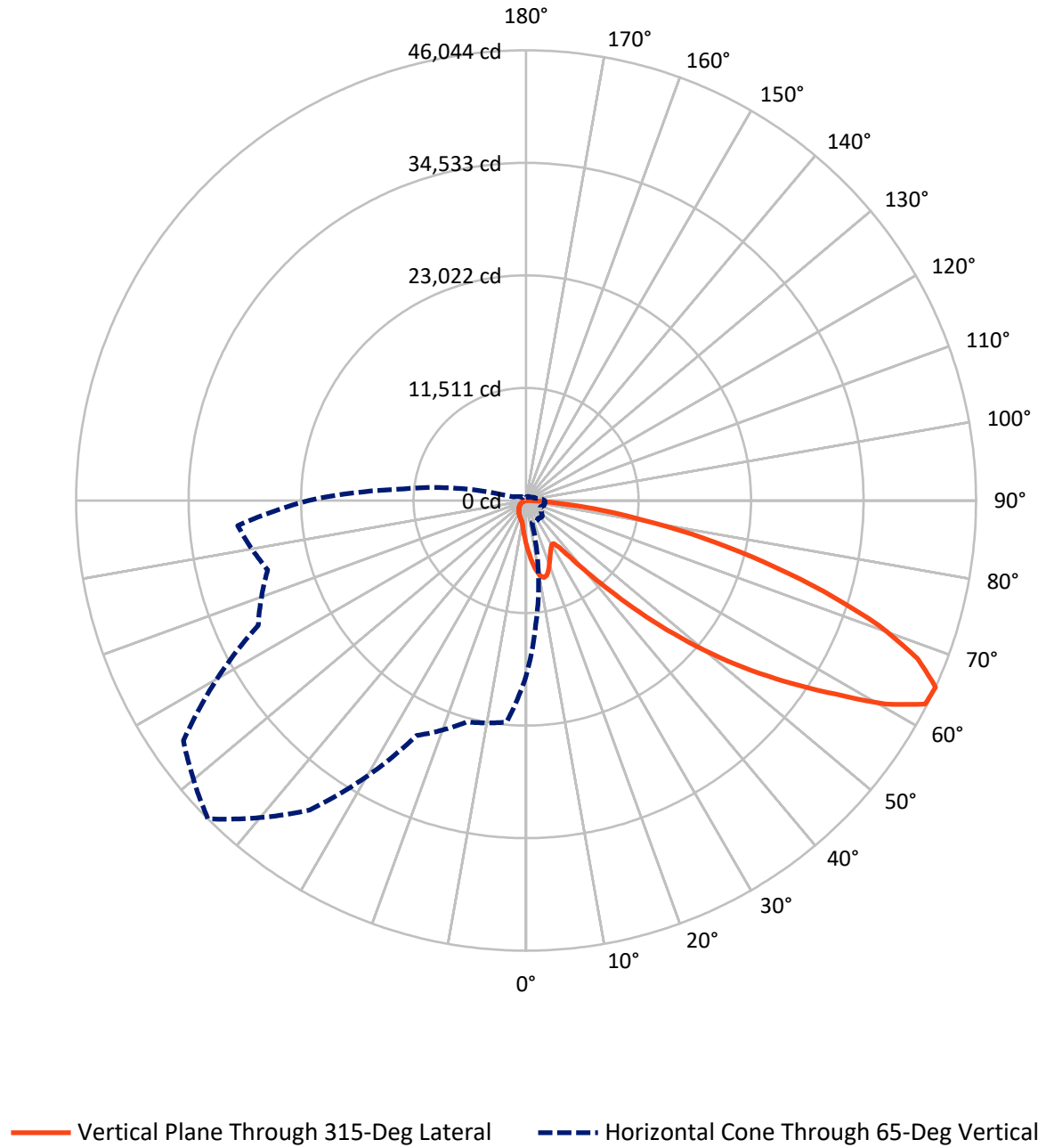
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	4588.1	0.0	4588.1
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	28173.9	0.0	28173.9
	% Fixture	86.0	0.0	86.0
Total	Lumens	32762.0	0.0	32762.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.6	1.4
10°-20°	1338.9	4.1
20°-30°	1972.4	6.0
30°-40°	2534.0	7.7
40°-50°	4098.3	12.5
50°-60°	7186.7	21.9
60°-70°	8992.6	27.4
70°-80°	5254.9	16.0
80°-90°	937.5	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°	32762.0	100.0
0°-180°	32762.0	100.0

Coefficient of Utilization



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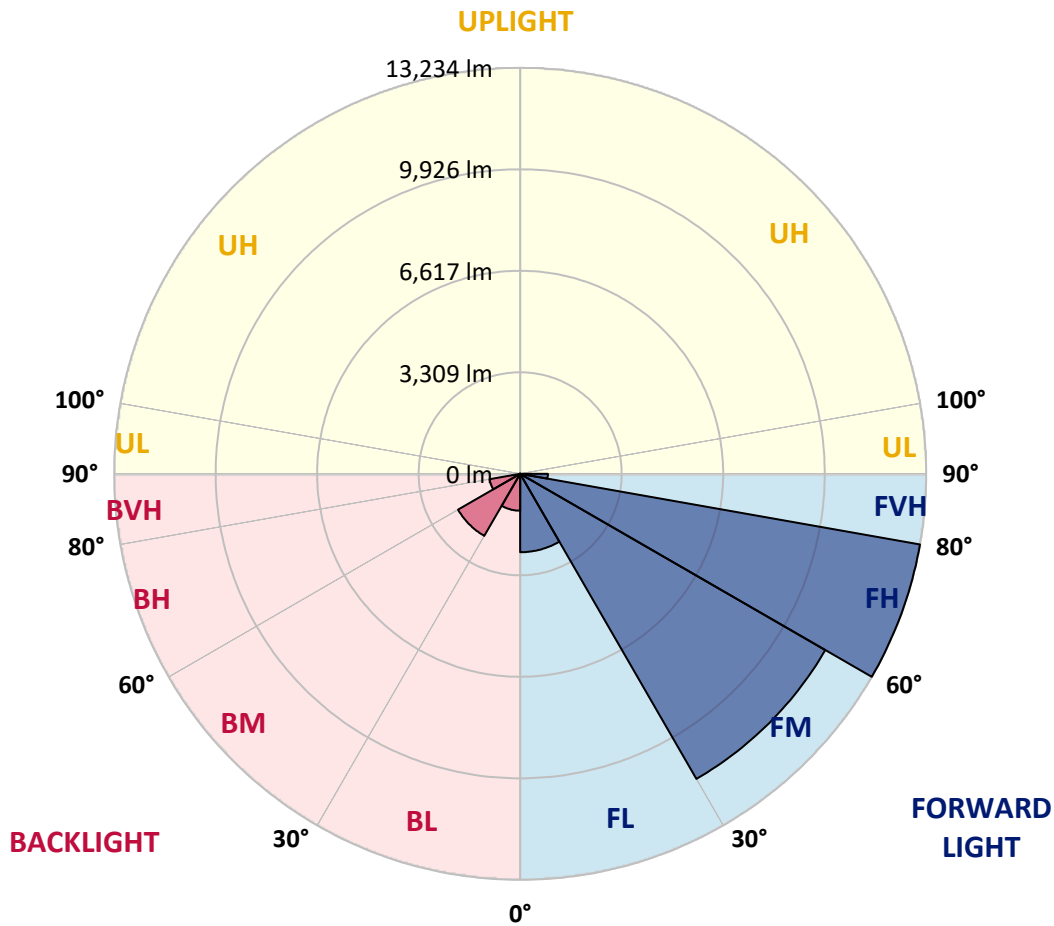
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2555.3	7.8			
FM (30°-60°)	11482.7	35.0			
FH (60°-80°)	13234.4	40.4			G5
FVH (80°-90°)	901.5	2.8			G5
BL (0°-30°)	1202.6	3.7	B3/2500		
BM (30°-60°)	2336.4	7.1	B2/2500		
BH (60°-80°)	1013.1	3.1	B3/2500		G3/2500
BVH (80°-90°)	36.0	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°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
2.5°	5125.6	5037.5	4985.6	4857.0	4728.3	4624.5	4484.6	4392.0	4281.5	4175.4
5°	5712.4	5570.2	5398.6	5163.9	4949.5	4730.6	4518.4	4308.5	4087.4	3884.2
7.5°	6208.9	6003.5	5701.1	5389.6	5116.5	4852.5	4604.2	4326.6	4058.0	3739.8
10°	6588.1	6326.3	5929.0	5520.5	5206.8	4940.5	4699.0	4464.3	4193.4	3809.7
12.5°	6818.3	6538.4	6066.7	5588.2	5229.4	4931.5	4744.1	4640.3	4534.2	4152.8
15°	6987.5	6685.1	6163.8	5635.6	5177.5	4811.8	4674.2	4778.0	4899.9	4656.1
17.5°	7163.6	6845.4	6290.1	5655.9	5037.5	4579.4	4520.7	4789.3	5071.4	5060.1
20°	7330.6	7014.6	6400.7	5642.4	4811.8	4297.3	4349.2	4692.2	5019.5	5157.2
22.5°	7522.4	7188.4	6506.8	5590.5	4518.4	4033.2	4195.7	4538.7	4825.4	4987.9
25°	7757.2	7407.3	6655.8	5513.8	4202.5	3814.3	4040.0	4360.4	4592.9	4705.8
27.5°	8009.9	7669.1	6854.4	5473.1	3947.4	3658.5	3863.9	4148.3	4355.9	4434.9
30°	8323.7	7973.8	7089.1	5428.0	3780.4	3568.3	3681.1	3902.3	4105.4	4184.4
32.5°	8666.7	8312.4	7314.8	5319.7	3678.8	3500.5	3502.8	3642.7	3827.8	3922.6
35°	9095.5	8718.6	7556.3	5082.7	3597.6	3421.6	3329.0	3396.7	3550.2	3663.0
37.5°	9707.2	9251.3	7852.0	4744.1	3478.0	3299.7	3146.2	3162.0	3279.4	3403.5
40°	10551.3	9966.7	8199.5	4392.0	3306.4	3128.1	2945.3	2938.6	3024.3	3146.2
42.5°	11693.3	10912.4	8617.1	4055.8	3141.7	2920.5	2733.2	2721.9	2789.6	2895.7
45°	13201.0	12122.1	9129.4	3766.9	3013.0	2717.4	2532.3	2527.8	2584.2	2676.8
47.5°	15130.7	13803.6	9641.7	3570.5	2945.3	2557.1	2367.6	2376.6	2426.2	2509.7
50°	17629.1	15995.1	9797.5	3471.2	2945.3	2471.4	2220.8	2266.0	2306.6	2369.8
52.5°	20624.1	18098.6	9282.9	3380.9	2963.4	2482.7	2096.7	2193.8	2223.1	2277.3
55°	23400.2	19130.0	7980.6	3256.8	2967.9	2552.6	1990.6	2135.1	2189.3	2209.6
57.5°	25011.6	18775.6	6452.6	3046.9	2949.8	2600.0	1922.9	2062.9	2166.7	2180.2
60°	24704.7	17532.1	4750.9	2886.7	2816.7	2582.0	1902.6	1952.3	2117.0	2137.3
62.5°	22339.4	15446.6	3297.4	2762.5	2523.3	2503.0	1895.8	1778.5	2008.7	2058.3
65°	17956.4	12160.5	2329.2	2378.8	2211.8	2331.4	1859.7	1597.9	1877.8	1945.5
67.5°	13027.2	8228.9	1681.4	1927.4	2004.2	2053.8	1778.5	1467.0	1728.8	1819.1
70°	8359.8	4444.0	1180.4	1272.9	1688.2	1744.6	1638.6	1349.7	1577.6	1681.4
72.5°	5942.6	2624.8	848.6	891.5	1356.4	1453.5	1442.2	1218.8	1401.6	1528.0
75°	4100.9	1446.7	573.3	636.5	984.0	1180.4	1112.7	1047.2	1187.2	1315.8
77.5°	2570.7	647.7	343.1	442.4	645.5	927.6	762.9	810.2	925.4	1045.0
80°	1430.9	250.5	191.8	293.4	352.1	674.8	422.1	521.4	681.6	767.4
82.5°	311.5	31.6	85.8	126.4	137.7	392.7	223.4	302.4	428.8	422.1
85°	0.0	0.0	15.8	18.1	9.0	169.3	81.3	99.3	139.9	130.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
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°
4536.5	0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
4080.6	2.5°	4062.5	3951.9	3870.7	3830.1	3796.2	3827.8	3845.9	3845.9	3922.6	3967.7
3760.1	5°	3681.1	3482.5	3331.3	3229.7	3168.8	3189.1	3211.7	3236.5	3333.5	3399.0
3570.5	7.5°	3417.0	3112.3	2882.1	2739.9	2665.5	2676.8	2692.6	2712.9	2807.7	2873.1
3597.6	10°	3367.4	2929.5	2604.5	2417.2	2326.9	2311.1	2302.1	2295.3	2351.8	2401.4
3904.5	12.5°	3570.5	2938.6	2484.9	2257.0	2146.4	2099.0	2044.8	2001.9	2011.0	2042.5
4369.5	15°	3933.9	3053.7	2446.5	2173.5	2035.8	1956.8	1893.6	1841.7	1830.4	1841.7
4775.7	17.5°	4349.2	3209.4	2442.0	2101.2	1929.7	1848.4	1796.5	1749.1	1733.3	1735.6
5003.7	20°	4624.5	3333.5	2428.5	2020.0	1828.1	1755.9	1710.8	1663.4	1647.6	1652.1
4940.5	22.5°	4651.6	3399.0	2408.2	1929.7	1726.6	1665.6	1620.5	1577.6	1575.4	1575.4
4703.5	25°	4504.9	3399.0	2365.3	1848.4	1629.5	1575.4	1534.7	1482.8	1491.9	1496.4
4434.9	27.5°	4276.9	3317.7	2284.0	1783.0	1546.0	1489.6	1449.0	1401.6	1412.9	1419.6
4184.4	30°	4051.2	3213.9	2187.0	1708.5	1467.0	1401.6	1372.2	1331.6	1336.1	1345.1
3936.1	32.5°	3841.3	3103.3	2071.9	1647.6	1388.0	1322.6	1300.0	1254.9	1261.6	1270.7
3692.4	35°	3633.7	2981.4	1936.5	1575.4	1315.8	1250.4	1232.3	1180.4	1184.9	1198.4
3448.6	37.5°	3410.3	2852.8	1825.9	1503.1	1245.8	1178.1	1160.1	1105.9	1110.4	1126.2
3195.9	40°	3175.5	2726.4	1717.5	1426.4	1171.4	1103.7	1087.9	1029.2	1033.7	1051.7
2947.6	42.5°	2938.6	2588.7	1634.0	1327.1	1094.6	1022.4	1006.6	952.4	959.2	979.5
2730.9	45°	2719.6	2424.0	1579.9	1216.5	1022.4	941.2	925.4	875.7	889.2	911.8
2548.1	47.5°	2532.3	2254.7	1557.3	1124.0	945.7	857.6	844.1	803.5	826.0	850.9
2392.4	50°	2372.1	2092.2	1528.0	1029.2	873.4	785.4	771.9	744.8	774.1	799.0
2286.3	52.5°	2257.0	1907.1	1464.8	943.4	810.2	724.5	720.0	706.4	733.5	756.1
2207.3	55°	2157.7	1715.3	1363.2	868.9	753.8	672.6	677.1	670.3	692.9	710.9
2159.9	57.5°	2067.4	1548.3	1234.6	810.2	692.9	627.4	641.0	631.9	643.2	654.5
2110.3	60°	1959.0	1379.0	1081.1	744.8	620.7	582.3	598.1	573.3	571.0	575.5
2020.0	62.5°	1798.8	1151.0	920.8	663.5	557.5	532.6	539.4	492.0	455.9	455.9
1886.8	65°	1575.4	925.4	771.9	573.3	485.2	464.9	460.4	392.7	343.1	338.5
1742.4	67.5°	1315.8	760.6	641.0	483.0	404.0	390.5	395.0	345.3	295.7	291.1
1597.9	70°	1072.1	629.7	516.8	385.9	311.5	325.0	345.3	295.7	248.3	241.5
1428.7	72.5°	871.2	501.0	404.0	295.7	230.2	268.6	293.4	241.5	196.4	191.8
1218.8	75°	672.6	367.9	288.9	200.9	167.0	207.6	230.2	176.0	139.9	133.2
943.4	77.5°	449.1	228.0	162.5	126.4	99.3	142.2	153.5	92.5	81.3	79.0
686.1	80°	273.1	106.1	70.0	60.9	33.9	51.9	60.9	38.4	42.9	45.1
365.6	82.5°	137.7	29.3	11.3	2.3	0.0	0.0	18.1	9.0	18.1	22.6
99.3	85°	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	11.3
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°
4536.5	0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
3985.8	2.5°	4112.2	4207.0	4297.3	4441.7	4590.7	4737.4	4886.3	5030.8	5082.7	5121.0
3441.9	5°	3638.2	3816.5	4024.2	4310.8	4617.7	4933.7	5254.2	5547.6	5680.8	5771.0
2929.5	7.5°	3148.5	3380.9	3678.8	4109.9	4590.7	5094.0	5597.3	6059.9	6274.3	6448.1
2446.5	10°	2663.2	2916.0	3292.9	3784.9	4434.9	5157.2	5852.3	6488.8	6766.4	6985.3
2099.0	12.5°	2236.6	2473.6	2868.6	3412.5	4191.2	5107.5	5999.0	6764.1	7091.4	7337.4
1850.7	15°	1936.5	2103.5	2453.3	3040.1	3902.3	4947.3	6008.0	6895.0	7253.9	7511.2
1746.9	17.5°	1769.5	1825.9	2053.8	2661.0	3581.8	4737.4	5924.5	6940.2	7323.8	7563.1
1654.4	20°	1679.2	1688.2	1751.4	2168.9	3171.0	4541.0	5845.5	6985.3	7389.3	7590.2
1588.9	22.5°	1607.0	1607.0	1622.8	1774.0	2640.6	4306.3	5820.7	7064.3	7479.6	7603.7
1514.4	25°	1541.5	1541.5	1546.0	1586.6	2092.2	3947.4	5804.9	7186.2	7603.7	7637.6
1439.9	27.5°	1473.8	1476.1	1476.1	1498.6	1685.9	3459.9	5737.2	7344.1	7752.7	7682.7
1367.7	30°	1406.1	1410.6	1410.6	1426.4	1491.9	2888.9	5604.0	7533.7	7946.8	7741.4
1295.5	32.5°	1338.4	1342.9	1342.9	1356.4	1403.8	2306.6	5437.0	7707.5	8143.1	7766.2
1225.5	35°	1268.4	1275.2	1270.7	1288.7	1338.4	1834.9	5224.9	7881.3	8355.3	7845.2
1157.8	37.5°	1198.4	1203.0	1200.7	1218.8	1275.2	1584.4	4978.9	8012.2	8644.2	8021.2
1085.6	40°	1128.5	1126.2	1126.2	1146.5	1207.5	1512.2	4669.6	8219.8	9059.4	8330.4
1013.4	42.5°	1056.3	1056.3	1051.7	1074.3	1148.8	1458.0	4374.0	8592.2	9664.3	8822.5
945.7	45°	990.8	988.5	979.5	999.8	1092.4	1363.2	4270.2	9287.4	10558.1	9619.2
878.0	47.5°	927.6	925.4	902.8	920.8	1024.7	1277.4	4658.4	10424.9	11797.1	10790.5
823.8	50°	871.2	873.4	830.6	846.4	957.0	1212.0	5500.2	11900.9	13442.5	12368.1
778.7	52.5°	819.3	819.3	762.9	771.9	873.4	1153.3	6301.4	13501.1	15613.6	14568.7
731.3	55°	767.4	762.9	699.7	704.2	789.9	1069.8	6421.0	15062.9	18574.8	17879.6
679.3	57.5°	708.7	699.7	641.0	641.0	713.2	1008.9	5565.7	16263.7	22249.1	22745.6
582.3	60°	636.5	629.7	591.3	580.0	652.3	1063.0	3927.1	16403.6	24618.9	29216.3
462.7	62.5°	543.9	553.0	532.6	516.8	593.6	1103.7	2326.9	15277.4	24045.6	31274.7
358.9	65°	428.8	464.9	460.4	449.1	652.3	929.9	1374.5	13115.2	22287.5	29613.6
313.7	67.5°	365.6	390.5	383.7	383.7	683.9	706.4	864.4	10246.6	19868.0	27643.2
261.8	70°	311.5	336.3	311.5	311.5	516.8	428.8	598.1	7154.6	17256.7	25463.0
209.9	72.5°	257.3	282.1	255.0	237.0	413.0	320.5	437.9	4471.0	14778.6	23192.5
149.0	75°	196.4	225.7	205.4	182.8	273.1	239.2	331.8	2597.8	12244.0	19843.2
90.3	77.5°	124.1	162.5	153.5	128.6	200.9	173.8	239.2	1546.0	9447.6	15505.3
54.2	80°	76.7	83.5	85.8	81.3	115.1	117.4	162.5	880.2	6466.2	10806.3
33.9	82.5°	49.7	49.7	38.4	42.9	56.4	67.7	92.5	331.8	3800.7	6579.0
20.3	85°	36.1	31.6	20.3	20.3	27.1	33.9	36.1	101.6	1541.5	2597.8
9.0	87.5°	18.1	15.8	6.8	9.0	13.5	11.3	9.0	4.5	388.2	830.6
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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 CATALOG NUMBER: GALN-SB6D-950-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4536.5	0°	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5	4536.5
5206.8	2.5°	5251.9	5321.9	5326.4	5326.4	5265.5	5263.2	5139.1	5125.6
5974.2	5°	6184.1	6229.2	6240.5	6217.9	6096.0	6005.8	5764.3	5712.4
6757.3	7.5°	7037.2	7127.5	7127.5	7073.3	6874.7	6689.6	6339.8	6208.9
7405.1	10°	7718.8	7822.6	7800.1	7689.5	7438.9	7183.9	6759.6	6588.1
7797.8	12.5°	8050.6	8156.7	8098.0	7971.6	7727.8	7459.3	7012.4	6818.3
7910.6	15°	8043.8	8014.5	7953.5	7937.7	7820.4	7617.2	7199.7	6987.5
7840.7	17.5°	7757.2	7508.9	7461.5	7619.5	7768.5	7718.8	7362.2	7163.6
7673.7	20°	7303.5	6870.2	6827.3	7129.7	7554.0	7770.7	7513.4	7330.6
7432.2	22.5°	6825.0	6357.9	6258.5	6592.6	7231.3	7786.5	7705.3	7522.4
7165.8	25°	6371.4	5901.9	5802.6	6114.1	6872.4	7759.4	7912.9	7757.2
6910.8	27.5°	5992.2	5538.6	5446.0	5757.5	6527.1	7682.7	8120.5	8009.9
6658.0	30°	5698.8	5279.0	5211.3	5511.5	6229.2	7587.9	8384.6	8323.7
6423.3	32.5°	5527.3	5220.3	5245.2	5491.2	6069.0	7484.1	8637.4	8666.7
6308.2	35°	5696.6	5710.1	5926.8	6028.3	6217.9	7468.3	8980.4	9095.5
6445.9	37.5°	6538.4	7007.9	7457.0	7373.5	6946.9	7651.1	9492.8	9707.2
7046.2	40°	7971.6	8935.3	9664.3	9346.1	8271.8	8210.8	10230.8	10551.3
8111.5	42.5°	9723.0	11357.0	12557.7	11704.6	9980.3	9190.3	11284.8	11693.3
9400.2	45°	11571.4	14343.0	16234.3	14460.3	11801.6	10562.6	12880.5	13201.0
10607.7	47.5°	13519.2	17972.2	20418.7	17516.3	13489.8	12124.4	15056.2	15130.7
11752.0	50°	15649.8	21951.2	24684.4	20569.9	15119.4	13914.2	17714.9	17629.1
13085.9	52.5°	17678.8	26043.1	28859.7	23637.1	16550.3	16135.0	20800.1	20624.1
14909.5	55°	19615.2	30132.7	33059.9	26584.7	17899.9	19069.1	24465.4	23400.2
17538.8	57.5°	21860.9	33809.3	37388.8	29545.9	19786.8	22878.8	28564.1	25011.6
22574.1	60°	25180.9	37986.9	42284.1	33603.9	23375.3	26882.6	30033.4	24704.7
28604.7	62.5°	29419.5	41828.2	45843.4	37580.6	26979.7	27636.5	27868.9	22339.4
27374.7	65°	30243.3	42801.0	46044.2	38643.7	26514.8	23443.0	22752.4	17956.4
24451.9	67.5°	28058.5	41042.8	43236.6	36664.3	23454.3	18116.6	17073.9	13027.2
22533.5	70°	25607.5	37691.2	38343.5	33299.2	20628.6	13325.1	11530.8	8359.8
21219.9	72.5°	23095.5	33220.2	31870.5	28918.4	18130.2	9702.7	8316.9	5942.6
19348.9	75°	20111.8	27340.8	25104.2	24027.6	15011.0	7615.0	6017.1	4100.9
16642.8	77.5°	16105.7	19245.1	18647.0	18624.4	11280.3	5563.4	4015.1	2570.7
13002.3	80°	11361.5	12490.0	12185.3	14027.0	7567.6	4035.4	2417.2	1430.9
9050.4	82.5°	5500.2	6906.3	7089.1	8353.0	3681.1	2374.3	557.5	311.5
3538.9	85°	2153.1	3331.3	2809.9	3171.0	1033.7	661.3	13.5	0.0
582.3	87.5°	241.5	385.9	354.3	279.9	126.4	27.1	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)