

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: P954732

Luminaire Tested: **GALN-SB7D-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954732
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-SB7D-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 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: 33619 lumens
Efficiency: N/A
Efficacy: 65.6 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

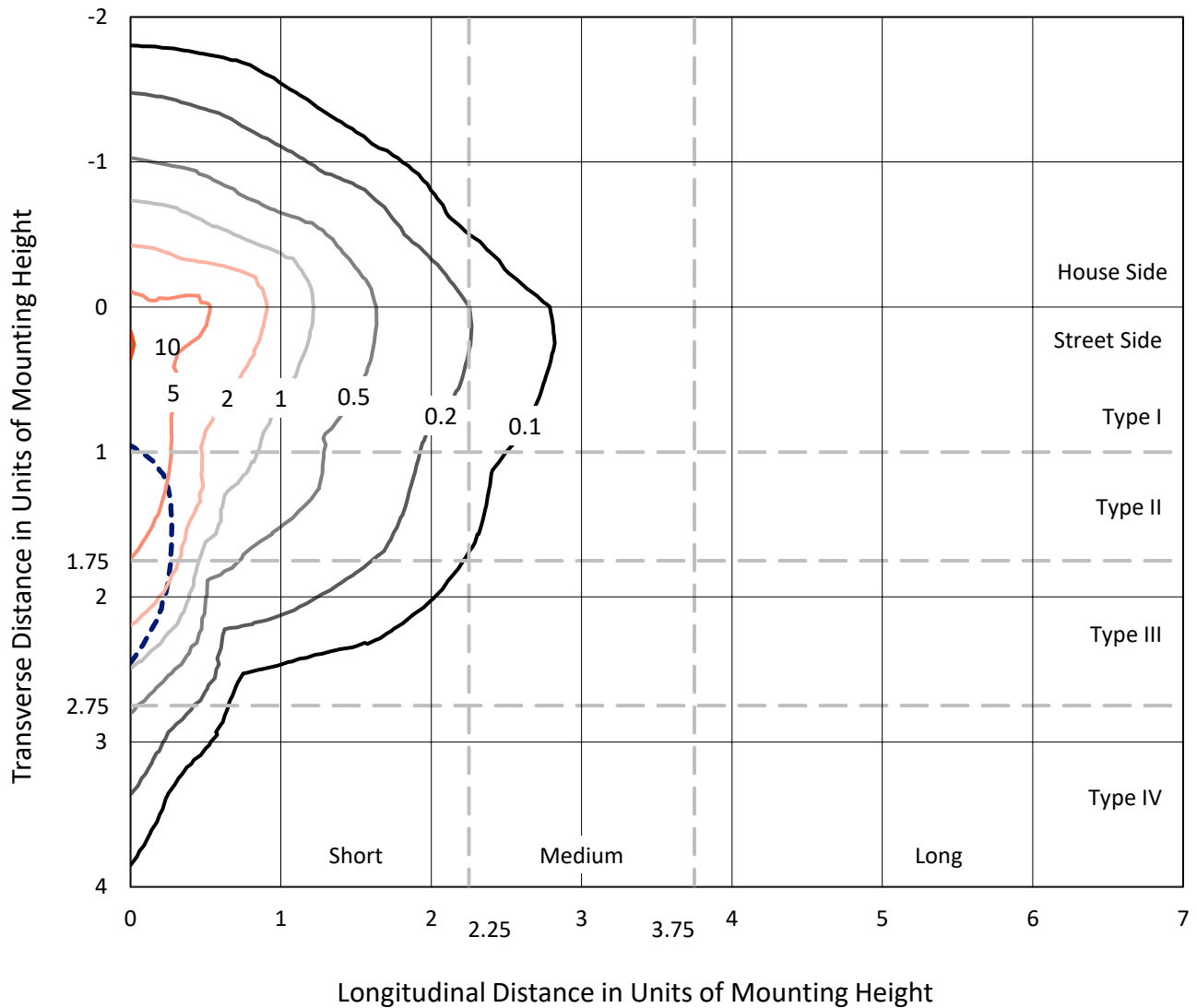
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

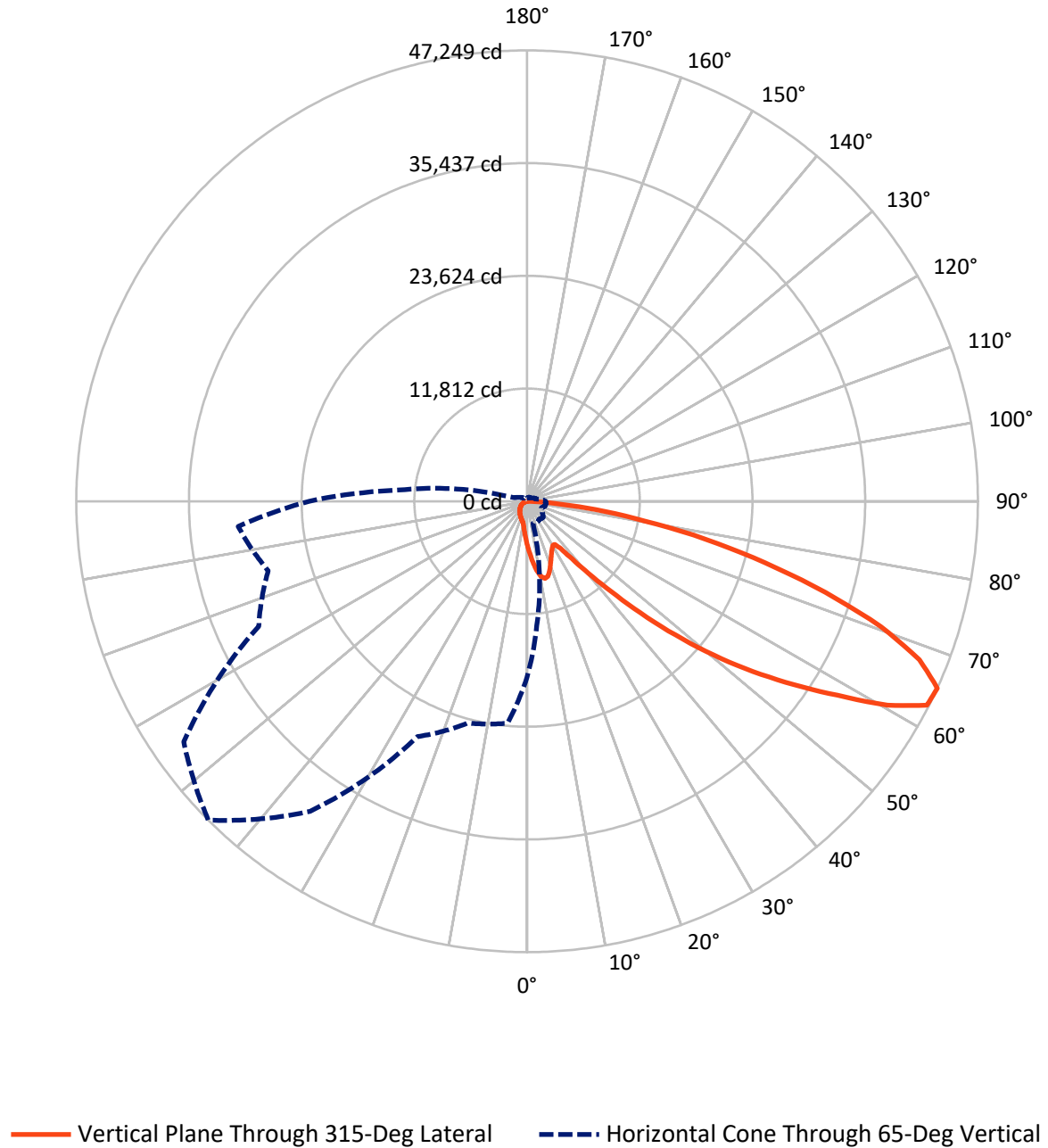
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	4708.1	0.0	4708.1
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	28910.9	0.0	28910.9
	% Fixture	86.0	0.0	86.0
Total	Lumens	33619.0	0.0	33619.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.3	1.4
10°-20°	1373.9	4.1
20°-30°	2024.0	6.0
30°-40°	2600.3	7.7
40°-50°	4205.5	12.5
50°-60°	7374.7	21.9
60°-70°	9227.8	27.4
70°-80°	5392.3	16.0
80°-90°	962.1	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°	33619.0	100.0
0°-180°	33619.0	100.0

Coefficient of Utilization



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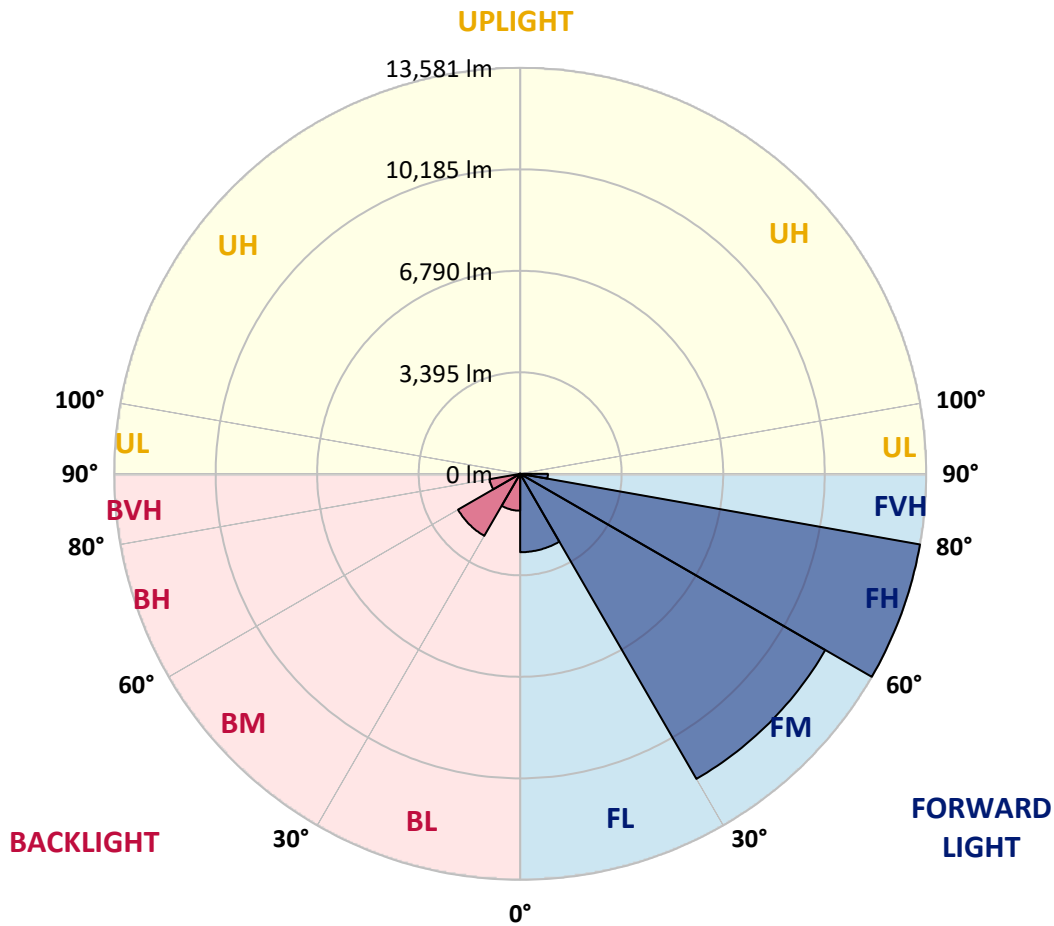
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2622.2	7.8			
FM (30°-60°)	11783.1	35.0			
FH (60°-80°)	13580.5	40.4			G5
FVH (80°-90°)	925.1	2.8			G5
BL (0°-30°)	1234.1	3.7	B3/2500		
BM (30°-60°)	2397.5	7.1	B2/2500		
BH (60°-80°)	1039.6	3.1	B3/2500		G3/2500
BVH (80°-90°)	37.0	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°	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2
2.5°	5259.6	5169.3	5116.0	4984.0	4852.0	4745.5	4601.9	4506.9	4393.4	4284.6
5°	5861.8	5715.9	5539.9	5299.0	5079.0	4854.3	4636.6	4421.2	4194.3	3985.8
7.5°	6371.3	6160.6	5850.2	5530.6	5250.4	4979.4	4724.6	4439.8	4164.2	3837.6
10°	6760.4	6491.7	6084.1	5664.9	5343.0	5069.7	4821.9	4581.0	4303.1	3909.4
12.5°	6996.6	6709.4	6225.4	5734.4	5366.2	5060.5	4868.2	4761.7	4652.8	4261.4
15°	7170.3	6860.0	6325.0	5783.0	5312.9	4937.7	4796.4	4903.0	5028.0	4777.9
17.5°	7351.0	7024.4	6454.7	5803.9	5169.3	4699.2	4638.9	4914.5	5204.0	5192.5
20°	7522.4	7198.1	6568.2	5790.0	4937.7	4409.7	4462.9	4815.0	5150.8	5292.1
22.5°	7719.2	7376.5	6677.0	5736.7	4636.6	4138.7	4305.4	4657.5	4951.6	5118.4
25°	7960.1	7601.1	6829.9	5658.0	4312.4	3914.0	4145.6	4474.5	4713.1	4828.9
27.5°	8219.5	7869.8	7033.7	5616.3	4050.7	3754.2	3965.0	4256.8	4469.9	4550.9
30°	8541.4	8182.4	7274.5	5570.0	3879.3	3661.6	3777.4	4004.4	4212.8	4293.9
32.5°	8893.4	8529.8	7506.1	5458.8	3775.1	3592.1	3594.4	3738.0	3927.9	4025.2
35°	9333.5	8946.7	7754.0	5215.6	3691.7	3511.1	3416.1	3485.6	3643.1	3758.9
37.5°	9961.1	9493.3	8057.4	4868.2	3569.0	3386.0	3228.5	3244.7	3365.1	3492.5
40°	10827.3	10227.4	8414.0	4506.9	3392.9	3210.0	3022.4	3015.4	3103.4	3228.5
42.5°	11999.2	11197.8	8842.5	4161.8	3223.9	2996.9	2804.7	2793.1	2862.6	2971.4
45°	13546.3	12439.2	9368.2	3865.4	3091.9	2788.5	2598.5	2593.9	2651.8	2746.8
47.5°	15526.4	14164.6	9893.9	3663.9	3022.4	2624.0	2429.5	2438.7	2489.7	2575.4
50°	18090.3	16413.5	10053.7	3562.0	3022.4	2536.0	2278.9	2325.3	2366.9	2431.8
52.5°	21163.6	18572.0	9525.7	3469.4	3040.9	2547.6	2151.6	2251.1	2281.3	2336.8
55°	24012.3	19630.4	8189.4	3342.0	3045.5	2619.4	2042.7	2190.9	2246.5	2267.4
57.5°	25665.9	19266.8	6621.4	3126.6	3027.0	2668.0	1973.2	2116.8	2223.4	2237.3
60°	25350.9	17990.7	4875.2	2962.2	2890.4	2649.5	1952.4	2003.3	2172.4	2193.3
62.5°	22923.7	15850.7	3383.7	2834.8	2589.3	2568.4	1945.4	1825.0	2061.2	2112.2
65°	18426.1	12478.6	2390.1	2441.1	2269.7	2392.4	1908.4	1639.7	1926.9	1996.4
67.5°	13367.9	8444.1	1725.4	1977.9	2056.6	2107.6	1825.0	1505.4	1774.1	1866.7
70°	8578.5	4560.2	1211.3	1306.2	1732.4	1790.3	1681.4	1385.0	1618.9	1725.4
72.5°	6098.0	2693.5	870.8	914.8	1391.9	1491.5	1479.9	1250.6	1438.2	1567.9
75°	4208.2	1484.6	588.3	653.1	1009.8	1211.3	1141.8	1074.6	1218.2	1350.2
77.5°	2637.9	664.7	352.0	453.9	662.4	951.9	782.8	831.4	949.6	1072.3
80°	1468.3	257.1	196.9	301.1	361.3	692.5	433.1	535.0	699.4	787.4
82.5°	319.6	32.4	88.0	129.7	141.3	403.0	229.3	310.3	440.0	433.1
85°	0.0	0.0	16.2	18.5	9.3	173.7	83.4	101.9	143.6	134.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
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°
4655.2	0°	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2
4187.3	2.5°	4168.8	4055.3	3971.9	3930.2	3895.5	3927.9	3946.5	3946.5	4025.2	4071.5
3858.5	5°	3777.4	3573.6	3418.4	3314.2	3251.7	3272.5	3295.7	3321.1	3420.7	3487.9
3663.9	7.5°	3506.4	3193.8	2957.5	2811.6	2735.2	2746.8	2763.0	2783.8	2881.1	2948.3
3691.7	10°	3455.5	3006.2	2672.7	2480.4	2387.8	2371.6	2362.3	2355.4	2413.3	2464.2
4006.7	12.5°	3663.9	3015.4	2549.9	2316.0	2202.5	2153.9	2098.3	2054.3	2063.6	2096.0
4483.8	15°	4036.8	3133.5	2510.5	2230.3	2089.0	2008.0	1943.1	1889.9	1878.3	1889.9
4900.7	17.5°	4462.9	3293.3	2505.9	2156.2	1980.2	1896.8	1843.5	1794.9	1778.7	1781.0
5134.6	20°	4745.5	3420.7	2492.0	2072.8	1876.0	1801.8	1755.5	1706.9	1690.7	1695.3
5069.7	22.5°	4773.3	3487.9	2471.2	1980.2	1771.7	1709.2	1662.9	1618.9	1616.6	1616.6
4826.5	25°	4622.7	3487.9	2427.2	1896.8	1672.2	1616.6	1574.9	1521.6	1530.9	1535.5
4550.9	27.5°	4388.8	3404.5	2343.8	1829.6	1586.5	1528.6	1486.9	1438.2	1449.8	1456.8
4293.9	30°	4157.2	3298.0	2244.2	1753.2	1505.4	1438.2	1408.1	1366.4	1371.1	1380.3
4039.1	32.5°	3941.8	3184.5	2126.1	1690.7	1424.3	1357.2	1334.0	1287.7	1294.6	1303.9
3789.0	35°	3728.8	3059.4	1987.1	1616.6	1350.2	1283.1	1264.5	1211.3	1215.9	1229.8
3538.8	37.5°	3499.5	2927.4	1873.6	1542.5	1278.4	1209.0	1190.4	1134.8	1139.5	1155.7
3279.5	40°	3258.6	2797.7	1762.5	1463.7	1202.0	1132.5	1116.3	1056.1	1060.7	1079.3
3024.7	42.5°	3015.4	2656.4	1676.8	1361.8	1123.3	1049.1	1032.9	977.4	984.3	1005.1
2802.4	45°	2790.8	2487.4	1621.2	1248.3	1049.1	965.8	949.6	898.6	912.5	935.7
2614.8	47.5°	2598.5	2313.7	1598.0	1153.4	970.4	880.1	866.2	824.5	847.7	873.1
2455.0	50°	2434.1	2146.9	1567.9	1056.1	896.3	806.0	792.1	764.3	794.4	819.9
2346.1	52.5°	2316.0	1957.0	1503.1	968.1	831.4	743.4	738.8	724.9	752.7	775.9
2265.0	55°	2214.1	1760.2	1398.9	891.7	773.5	690.2	694.8	687.9	711.0	729.5
2216.4	57.5°	2121.5	1588.8	1266.9	831.4	711.0	643.8	657.7	648.5	660.1	671.6
2165.5	60°	2010.3	1415.1	1109.4	764.3	636.9	597.5	613.7	588.3	585.9	590.6
2072.8	62.5°	1845.9	1181.2	944.9	680.9	572.1	546.6	553.5	504.9	467.8	467.8
1936.2	65°	1616.6	949.6	792.1	588.3	497.9	477.1	472.5	403.0	352.0	347.4
1788.0	67.5°	1350.2	780.5	657.7	495.6	414.6	400.7	405.3	354.3	303.4	298.8
1639.7	70°	1100.1	646.2	530.4	396.0	319.6	333.5	354.3	303.4	254.8	247.8
1466.0	72.5°	894.0	514.2	414.6	303.4	236.2	275.6	301.1	247.8	201.5	196.9
1250.6	75°	690.2	377.5	296.4	206.1	171.4	213.1	236.2	180.6	143.6	136.6
968.1	77.5°	460.9	233.9	166.8	129.7	101.9	145.9	157.5	95.0	83.4	81.1
704.1	80°	280.2	108.9	71.8	62.5	34.7	53.3	62.5	39.4	44.0	46.3
375.2	82.5°	141.3	30.1	11.6	2.3	0.0	0.0	18.5	9.3	18.5	23.2
101.9	85°	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	11.6
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°
4655.2	0°	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2
4090.1	2.5°	4219.7	4317.0	4409.7	4557.9	4710.7	4861.3	5014.1	5162.4	5215.6	5255.0
3531.9	5°	3733.4	3916.4	4129.4	4423.6	4738.5	5062.8	5391.6	5692.7	5829.4	5922.0
3006.2	7.5°	3230.8	3469.4	3775.1	4217.4	4710.7	5227.2	5743.7	6218.5	6438.5	6616.8
2510.5	10°	2732.9	2992.3	3379.0	3883.9	4550.9	5292.1	6005.4	6658.5	6943.4	7168.0
2153.9	12.5°	2295.2	2538.3	2943.6	3501.8	4300.8	5241.1	6155.9	6941.0	7276.9	7529.3
1899.1	15°	1987.1	2158.5	2517.5	3119.6	4004.4	5076.7	6165.2	7075.4	7443.6	7707.6
1792.6	17.5°	1815.7	1873.6	2107.6	2730.6	3675.5	4861.3	6079.5	7121.7	7515.4	7760.9
1697.6	20°	1723.1	1732.4	1797.2	2225.7	3254.0	4659.8	5998.4	7168.0	7582.6	7788.7
1630.5	22.5°	1649.0	1649.0	1665.2	1820.4	2709.7	4418.9	5973.0	7249.1	7675.2	7802.6
1554.0	25°	1581.8	1581.8	1586.5	1628.1	2146.9	4050.7	5956.7	7374.1	7802.6	7837.3
1477.6	27.5°	1512.3	1514.7	1514.7	1537.8	1730.1	3550.4	5887.3	7536.3	7955.5	7883.7
1403.5	30°	1442.9	1447.5	1447.5	1463.7	1530.9	2964.5	5750.6	7730.8	8154.6	7943.9
1329.4	32.5°	1373.4	1378.0	1378.0	1391.9	1440.6	2366.9	5579.2	7909.1	8356.1	7969.3
1257.6	35°	1301.6	1308.5	1303.9	1322.4	1373.4	1882.9	5361.5	8087.5	8573.8	8050.4
1188.1	37.5°	1229.8	1234.4	1232.1	1250.6	1308.5	1625.8	5109.1	8221.8	8870.3	8231.1
1114.0	40°	1158.0	1155.7	1155.7	1176.5	1239.1	1551.7	4791.8	8434.9	9296.4	8548.3
1039.9	42.5°	1083.9	1083.9	1079.3	1102.4	1178.8	1496.1	4488.4	8817.0	9917.1	9053.2
970.4	45°	1016.7	1014.4	1005.1	1026.0	1120.9	1398.9	4381.9	9530.3	10834.2	9870.8
900.9	47.5°	951.9	949.6	926.4	944.9	1051.5	1310.9	4780.2	10697.6	12105.7	11072.8
845.3	50°	894.0	896.3	852.3	868.5	982.0	1243.7	5644.1	12212.3	13794.1	12691.7
799.0	52.5°	840.7	840.7	782.8	792.1	896.3	1183.5	6466.3	13854.3	16022.1	14949.8
750.4	55°	787.4	782.8	718.0	722.6	810.6	1097.8	6589.0	15457.0	19060.7	18347.3
697.1	57.5°	727.2	718.0	657.7	657.7	731.9	1035.3	5711.3	16689.1	22831.1	23340.6
597.5	60°	653.1	646.2	606.8	595.2	669.3	1090.8	4029.8	16832.7	25262.9	29980.6
474.8	62.5°	558.2	567.4	546.6	530.4	609.1	1132.5	2387.8	15677.0	24674.6	32092.8
368.2	65°	440.0	477.1	472.5	460.9	669.3	954.2	1410.4	13458.3	22870.5	30388.2
321.9	67.5°	375.2	400.7	393.7	393.7	701.7	724.9	887.0	10514.6	20387.7	28366.3
268.7	70°	319.6	345.1	319.6	319.6	530.4	440.0	613.7	7341.7	17708.1	26129.1
215.4	72.5°	264.0	289.5	261.7	243.2	423.8	328.9	449.3	4588.0	15165.2	23799.2
152.9	75°	201.5	231.6	210.8	187.6	280.2	245.5	340.5	2665.7	12564.3	20362.3
92.6	77.5°	127.4	166.8	157.5	132.0	206.1	178.3	245.5	1586.5	9694.8	15910.9
55.6	80°	78.7	85.7	88.0	83.4	118.1	120.4	166.8	903.2	6635.3	11089.0
34.7	82.5°	51.0	51.0	39.4	44.0	57.9	69.5	95.0	340.5	3900.1	6751.1
20.8	85°	37.1	32.4	20.8	20.8	27.8	34.7	37.1	104.2	1581.8	2665.7
9.3	87.5°	18.5	16.2	6.9	9.3	13.9	11.6	9.3	4.6	398.4	852.3
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-SB7D-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4655.2	0°	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2	4655.2
5343.0	2.5°	5389.3	5461.1	5465.8	5465.8	5403.2	5400.9	5273.5	5259.6
6130.4	5°	6345.8	6392.2	6403.7	6380.6	6255.5	6162.9	5915.1	5861.8
6934.1	7.5°	7221.3	7313.9	7313.9	7258.3	7054.5	6864.6	6505.6	6371.3
7598.8	10°	7920.7	8027.2	8004.1	7890.6	7633.5	7371.8	6936.4	6760.4
8001.8	12.5°	8261.2	8370.0	8309.8	8180.1	7930.0	7654.4	7195.8	6996.6
8117.6	15°	8254.2	8224.1	8161.6	8145.4	8024.9	7816.5	7388.0	7170.3
8045.8	17.5°	7960.1	7705.3	7656.7	7818.8	7971.7	7920.7	7554.8	7351.0
7874.4	20°	7494.6	7049.9	7005.9	7316.2	7751.6	7974.0	7710.0	7522.4
7626.6	22.5°	7003.6	6524.2	6422.3	6765.0	7420.5	7990.2	7906.8	7719.2
7353.3	25°	6538.1	6056.3	5954.4	6274.0	7052.2	7962.4	8119.9	7960.1
7091.6	27.5°	6149.0	5683.5	5588.5	5908.1	6697.9	7883.7	8333.0	8219.5
6832.2	30°	5847.9	5417.1	5347.6	5655.7	6392.2	7786.4	8603.9	8541.4
6591.3	32.5°	5671.9	5356.9	5382.4	5634.8	6227.7	7679.8	8863.3	8893.4
6473.2	35°	5845.6	5859.5	6081.8	6186.0	6380.6	7663.6	9215.4	9333.5
6614.5	37.5°	6709.4	7191.2	7652.1	7566.4	7128.6	7851.2	9741.1	9961.1
7230.5	40°	8180.1	9169.0	9917.1	9590.5	8488.1	8425.6	10498.4	10827.3
8323.7	42.5°	9977.3	11654.1	12886.2	12010.8	10241.3	9430.7	11580.0	11999.2
9646.1	45°	11874.1	14718.2	16659.0	14838.6	12110.4	10838.9	13217.4	13546.3
10885.2	47.5°	13872.8	18442.3	20952.8	17974.5	13842.7	12441.5	15450.0	15526.4
12059.4	50°	16059.1	22525.4	25330.1	21108.0	15514.9	14278.1	18178.3	18090.3
13428.2	52.5°	18141.2	26724.3	29614.7	24255.4	16983.2	16557.1	21344.2	21163.6
15299.5	55°	20128.3	30920.9	33924.7	27280.1	18368.2	19567.9	25105.4	24012.3
17997.6	57.5°	22432.8	34693.6	38366.8	30318.7	20304.4	23477.3	29311.3	25665.9
23164.6	60°	25839.6	38980.6	43390.2	34482.9	23986.8	27585.9	30819.0	25350.9
29353.0	62.5°	30189.0	42922.4	47042.5	38563.7	27685.4	28359.4	28597.9	22923.7
28090.7	65°	31034.4	43920.6	47248.7	39654.5	27208.3	24056.3	23347.6	18426.1
25091.5	67.5°	28792.5	42116.4	44367.6	37623.4	24067.9	18590.5	17520.5	13367.9
23122.9	70°	26277.3	38677.2	39346.5	34170.2	21168.2	13673.7	11832.4	8578.5
21775.0	72.5°	23699.6	34089.2	32704.2	29674.9	18604.4	9956.5	8534.5	6098.0
19855.0	75°	20637.9	28056.0	25760.8	24656.1	15403.7	7814.2	6174.5	4208.2
17078.2	77.5°	16527.0	19748.5	19134.8	19111.6	11575.4	5708.9	4120.2	2637.9
13342.5	80°	11658.7	12816.7	12504.1	14393.9	7765.5	4141.0	2480.4	1468.3
9287.2	82.5°	5644.1	7087.0	7274.5	8571.5	3777.4	2436.4	572.1	319.6
3631.5	85°	2209.5	3418.4	2883.4	3254.0	1060.7	678.6	13.9	0.0
597.5	87.5°	247.8	396.0	363.6	287.2	129.7	27.8	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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