

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: P955278

Luminaire Tested: **GALN-SB8B-740-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955278
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-SB8B-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 450mA 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: 36765 lumens
Efficiency: N/A
Efficacy: 125.6 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

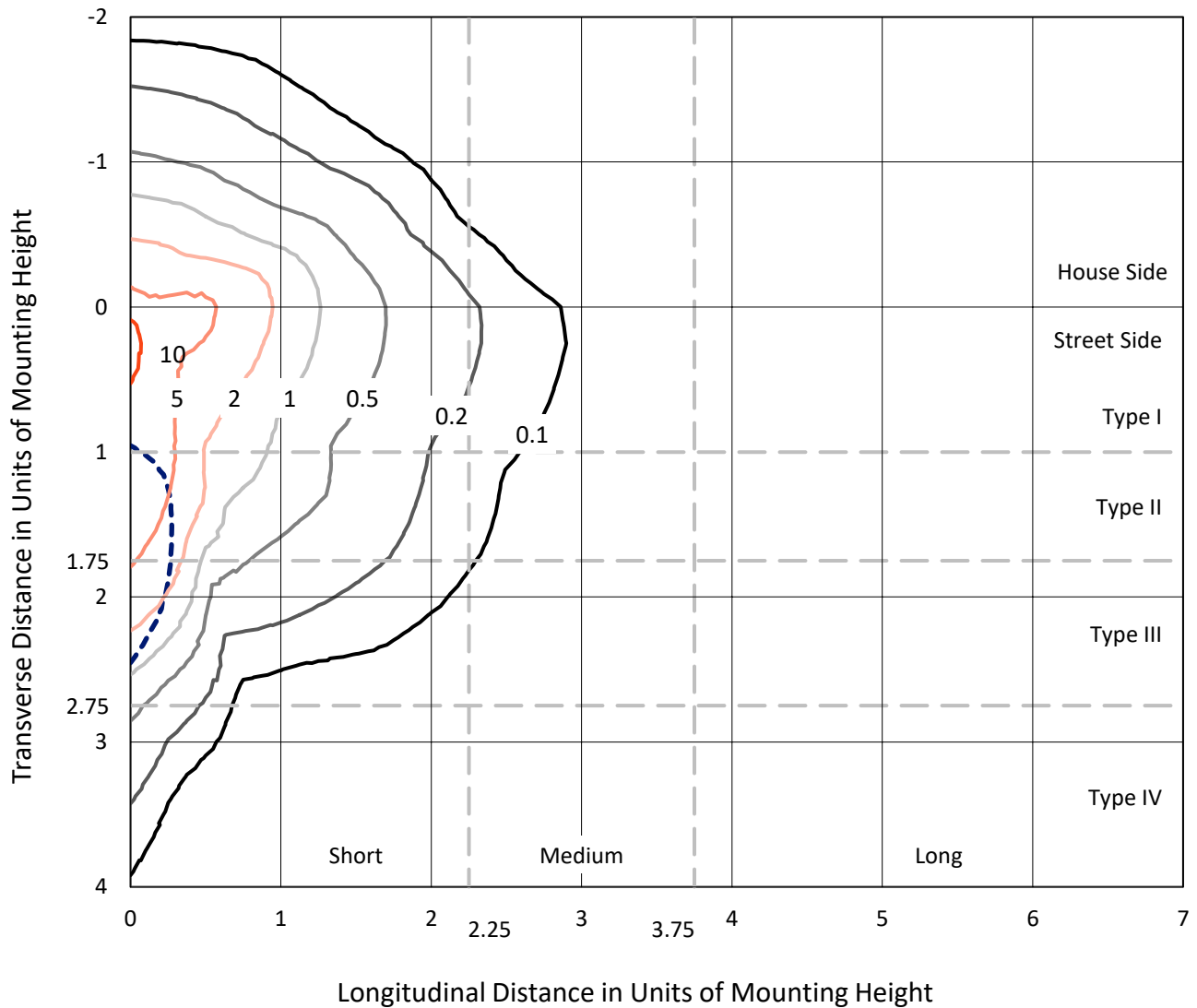
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

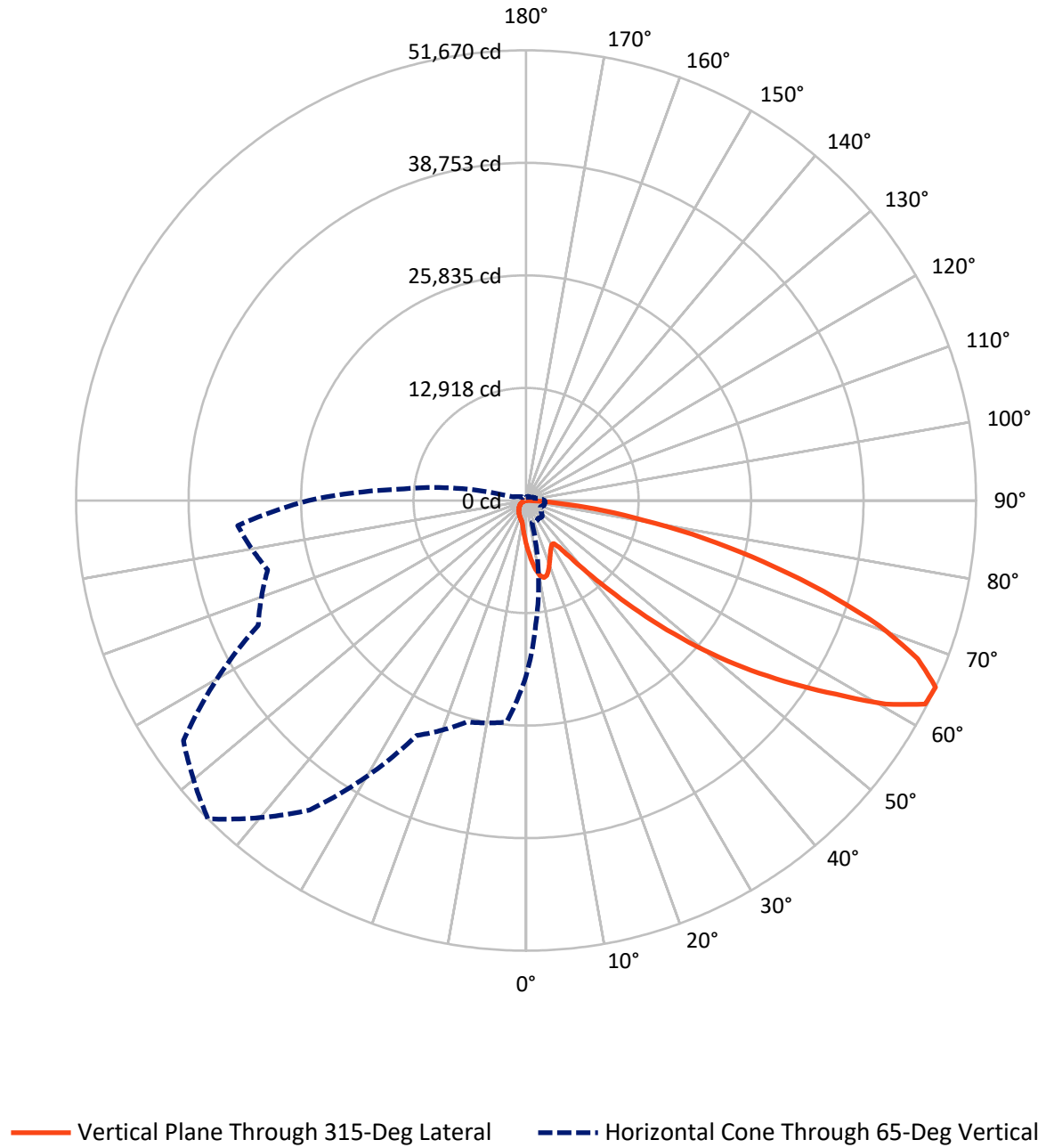
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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	5148.7	0.0	5148.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	31616.3	0.0	31616.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	36765.0	0.0	36765.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.2	1.4
10°-20°	1502.5	4.1
20°-30°	2213.4	6.0
30°-40°	2843.7	7.7
40°-50°	4599.0	12.5
50°-60°	8064.9	21.9
60°-70°	10091.3	27.4
70°-80°	5896.9	16.0
80°-90°	1052.1	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°	36765.0	100.0
0°-180°	36765.0	100.0

Coefficient of Utilization



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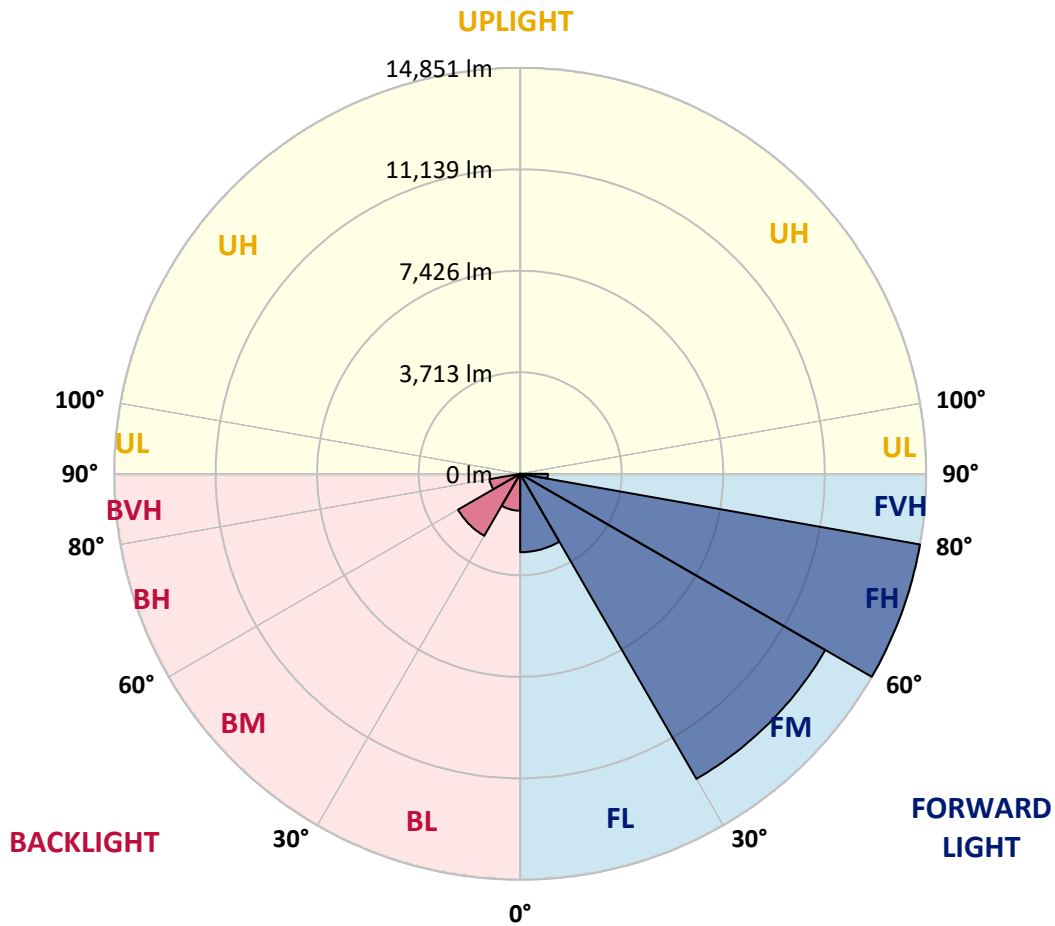
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2867.5	7.8			
FM (30°-60°)	12885.7	35.0			
FH (60°-80°)	14851.4	40.4			G5
FVH (80°-90°)	1011.7	2.8			G5
BL (0°-30°)	1349.6	3.7	B3/2500		
BM (30°-60°)	2621.8	7.1	B3/5000		
BH (60°-80°)	1136.9	3.1	B3/2500		G3/2500
BVH (80°-90°)	40.4	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°	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8
2.5°	5751.8	5653.0	5594.8	5450.4	5306.1	5189.6	5032.5	4928.7	4804.6	4685.5
5°	6410.3	6250.8	6058.3	5794.9	5554.3	5308.6	5070.5	4835.0	4586.8	4358.8
7.5°	6967.5	6737.0	6397.7	6048.1	5741.7	5445.4	5166.8	4855.2	4553.8	4196.7
10°	7393.0	7099.2	6653.5	6195.0	5843.0	5544.1	5273.1	5009.7	4705.8	4275.2
12.5°	7651.4	7337.3	6808.0	6271.0	5868.3	5534.0	5323.8	5207.3	5088.2	4660.2
15°	7841.3	7501.9	6916.9	6324.2	5810.1	5399.8	5245.3	5361.8	5498.5	5225.0
17.5°	8038.9	7681.8	7058.7	6347.0	5653.0	5138.9	5073.0	5374.4	5691.0	5678.4
20°	8226.3	7871.7	7182.8	6331.8	5399.8	4822.3	4880.6	5265.5	5632.8	5787.3
22.5°	8441.6	8066.7	7301.8	6273.6	5070.5	4526.0	4708.3	5093.3	5415.0	5597.3
25°	8705.0	8312.4	7469.0	6187.4	4715.9	4280.3	4533.6	4893.2	5154.1	5280.7
27.5°	8988.6	8606.2	7691.9	6141.9	4429.7	4105.5	4336.0	4655.1	4888.2	4976.8
30°	9340.7	8948.1	7955.3	6091.2	4242.3	4004.2	4130.9	4379.1	4607.0	4695.7
32.5°	9725.7	9328.0	8208.6	5969.6	4128.3	3928.3	3930.8	4087.8	4295.5	4401.9
35°	10206.9	9783.9	8479.6	5703.7	4037.2	3839.6	3735.8	3811.8	3984.0	4110.6
37.5°	10893.2	10381.6	8811.3	5323.8	3902.9	3702.8	3530.6	3548.3	3680.0	3819.3
40°	11840.5	11184.5	9201.4	4928.7	3710.4	3510.4	3305.2	3297.6	3393.9	3530.6
42.5°	13122.0	12245.7	9669.9	4551.3	3525.6	3277.3	3067.1	3054.5	3130.4	3249.5
45°	14813.9	13603.3	10244.9	4227.1	3381.2	3049.4	2841.7	2836.7	2900.0	3003.8
47.5°	16979.4	15490.1	10819.8	4006.8	3305.2	2869.6	2656.8	2667.0	2722.7	2816.4
50°	19783.1	17949.4	10994.6	3895.3	3305.2	2773.3	2492.2	2542.9	2588.4	2659.4
52.5°	23144.0	20309.9	10417.1	3794.0	3325.5	2786.0	2352.9	2461.8	2494.7	2555.5
55°	26259.3	21467.4	8955.7	3654.7	3330.5	2864.5	2233.9	2396.0	2456.7	2479.5
57.5°	28067.7	21069.7	7241.1	3419.2	3310.3	2917.7	2157.9	2314.9	2431.4	2446.6
60°	27723.2	19674.2	5331.4	3239.4	3160.8	2897.4	2135.1	2190.8	2375.7	2398.5
62.5°	25068.9	17334.0	3700.3	3100.1	2831.6	2808.8	2127.5	1995.8	2254.1	2309.8
65°	20150.4	13646.3	2613.8	2669.5	2482.1	2616.3	2087.0	1793.2	2107.2	2183.2
67.5°	14618.9	9234.3	1886.9	2162.9	2249.1	2304.8	1995.8	1646.3	1940.1	2041.4
70°	9381.2	4986.9	1324.6	1428.5	1894.5	1957.8	1838.8	1514.6	1770.4	1886.9
72.5°	6668.7	2945.6	952.3	1000.4	1522.2	1631.1	1618.4	1367.7	1572.8	1714.7
75°	4602.0	1623.5	643.3	714.2	1104.3	1324.6	1248.6	1175.2	1332.2	1476.6
77.5°	2884.8	726.9	385.0	496.4	724.4	1040.9	856.1	909.2	1038.4	1172.7
80°	1605.7	281.1	215.3	329.3	395.1	757.3	473.6	585.1	764.9	861.1
82.5°	349.5	35.5	96.2	141.8	154.5	440.7	250.7	339.4	481.2	473.6
85°	0.0	0.0	17.7	20.3	10.1	190.0	91.2	111.4	157.0	146.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
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°
5090.8	0°	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8
4579.2	2.5°	4558.9	4434.8	4343.6	4298.0	4260.0	4295.5	4315.8	4315.8	4401.9	4452.5
4219.5	5°	4130.9	3908.0	3738.3	3624.3	3555.9	3578.7	3604.1	3631.9	3740.8	3814.3
4006.8	7.5°	3834.5	3492.6	3234.3	3074.7	2991.1	3003.8	3021.5	3044.3	3150.7	3224.2
4037.2	10°	3778.8	3287.5	2922.8	2712.5	2611.2	2593.5	2583.4	2575.8	2639.1	2694.8
4381.6	12.5°	4006.8	3297.6	2788.5	2532.7	2408.6	2355.4	2294.6	2246.5	2256.7	2292.1
4903.4	15°	4414.5	3426.8	2745.5	2439.0	2284.5	2195.9	2125.0	2066.7	2054.0	2066.7
5359.2	17.5°	4880.6	3601.5	2740.4	2358.0	2165.5	2074.3	2016.0	1962.9	1945.1	1947.7
5615.1	20°	5189.6	3740.8	2725.2	2266.8	2051.5	1970.5	1919.8	1866.6	1848.9	1854.0
5544.1	22.5°	5219.9	3814.3	2702.4	2165.5	1937.5	1869.2	1818.5	1770.4	1767.8	1767.8
5278.2	25°	5055.3	3814.3	2654.3	2074.3	1828.6	1767.8	1722.3	1664.0	1674.1	1679.2
4976.8	27.5°	4799.5	3723.1	2563.1	2000.9	1734.9	1671.6	1626.0	1572.8	1585.5	1593.1
4695.7	30°	4546.2	3606.6	2454.2	1917.3	1646.3	1572.8	1539.9	1494.3	1499.4	1509.5
4417.1	32.5°	4310.7	3482.5	2325.0	1848.9	1557.6	1484.2	1458.8	1408.2	1415.8	1425.9
4143.5	35°	4077.7	3345.7	2173.1	1767.8	1476.6	1403.1	1382.9	1324.6	1329.7	1344.9
3870.0	37.5°	3826.9	3201.4	2049.0	1686.8	1398.1	1322.1	1301.8	1241.0	1246.1	1263.8
3586.3	40°	3563.5	3059.5	1927.4	1600.7	1314.5	1238.5	1220.8	1154.9	1160.0	1180.2
3307.7	42.5°	3297.6	2905.0	1833.7	1489.2	1228.4	1147.3	1129.6	1068.8	1076.4	1099.2
3064.6	45°	3051.9	2720.1	1772.9	1365.1	1147.3	1056.1	1038.4	982.7	997.9	1023.2
2859.4	47.5°	2841.7	2530.2	1747.6	1261.3	1061.2	962.4	947.2	901.6	927.0	954.8
2684.7	50°	2661.9	2347.8	1714.7	1154.9	980.2	881.4	866.2	835.8	868.7	896.6
2565.6	52.5°	2532.7	2140.2	1643.7	1058.7	909.2	813.0	807.9	792.7	823.1	848.5
2477.0	55°	2421.3	1924.9	1529.8	975.1	845.9	754.8	759.8	752.2	777.5	797.8
2423.8	57.5°	2320.0	1737.4	1385.4	909.2	777.5	704.1	719.3	709.2	721.8	734.5
2368.1	60°	2198.4	1547.5	1213.2	835.8	696.5	653.4	671.2	643.3	640.8	645.8
2266.8	62.5°	2018.6	1291.7	1033.4	744.6	625.6	597.7	605.3	552.1	511.6	511.6
2117.4	65°	1767.8	1038.4	866.2	643.3	544.5	521.7	516.7	440.7	385.0	379.9
1955.3	67.5°	1476.6	853.5	719.3	542.0	453.4	438.2	443.2	387.5	331.8	326.7
1793.2	70°	1203.0	706.6	580.0	433.1	349.5	364.7	387.5	331.8	278.6	271.0
1603.2	72.5°	977.6	562.3	453.4	331.8	258.3	301.4	329.3	271.0	220.3	215.3
1367.7	75°	754.8	412.8	324.2	225.4	187.4	233.0	258.3	197.6	157.0	149.4
1058.7	77.5°	504.0	255.8	182.4	141.8	111.4	159.6	172.2	103.8	91.2	88.6
769.9	80°	306.5	119.0	78.5	68.4	38.0	58.3	68.4	43.1	48.1	50.7
410.3	82.5°	154.5	32.9	12.7	2.5	0.0	0.0	20.3	10.1	20.3	25.3
111.4	85°	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	12.7
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°
5090.8	0°	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8
4472.8	2.5°	4614.6	4721.0	4822.3	4984.4	5151.6	5316.2	5483.3	5645.4	5703.7	5746.8
3862.4	5°	4082.8	4282.8	4515.8	4837.5	5182.0	5536.5	5896.2	6225.4	6374.9	6476.2
3287.5	7.5°	3533.2	3794.0	4128.3	4612.1	5151.6	5716.4	6281.2	6800.4	7041.0	7236.0
2745.5	10°	2988.6	3272.3	3695.2	4247.4	4976.8	5787.3	6567.4	7281.6	7593.1	7838.8
2355.4	12.5°	2509.9	2775.9	3219.1	3829.5	4703.3	5731.6	6732.0	7590.6	7957.8	8233.9
2076.8	15°	2173.1	2360.5	2753.1	3411.6	4379.1	5551.7	6742.1	7737.5	8140.2	8428.9
1960.3	17.5°	1985.7	2049.0	2304.8	2986.1	4019.4	5316.2	6648.4	7788.1	8218.7	8487.2
1856.5	20°	1884.3	1894.5	1965.4	2433.9	3558.5	5095.8	6559.8	7838.8	8292.1	8517.6
1783.0	22.5°	1803.3	1803.3	1821.0	1990.7	2963.3	4832.4	6531.9	7927.4	8393.4	8532.7
1699.5	25°	1729.9	1729.9	1734.9	1780.5	2347.8	4429.7	6514.2	8064.2	8532.7	8570.7
1615.9	27.5°	1653.9	1656.4	1656.4	1681.7	1891.9	3882.7	6438.2	8241.5	8699.9	8621.4
1534.8	30°	1577.9	1583.0	1583.0	1600.7	1674.1	3241.9	6288.8	8454.2	8917.7	8687.2
1453.8	32.5°	1501.9	1507.0	1507.0	1522.2	1575.4	2588.4	6101.3	8649.3	9138.1	8715.1
1375.3	35°	1423.4	1431.0	1425.9	1446.2	1501.9	2059.1	5863.3	8844.3	9376.1	8803.8
1299.3	37.5°	1344.9	1349.9	1347.4	1367.7	1431.0	1778.0	5587.2	8991.2	9700.3	9001.3
1218.2	40°	1266.4	1263.8	1263.8	1286.6	1355.0	1696.9	5240.2	9224.2	10166.4	9348.3
1137.2	42.5°	1185.3	1185.3	1180.2	1205.6	1289.2	1636.1	4908.4	9642.1	10845.1	9900.4
1061.2	45°	1111.9	1109.3	1099.2	1122.0	1225.8	1529.8	4791.9	10422.2	11848.1	10794.5
985.2	47.5°	1040.9	1038.4	1013.1	1033.4	1149.9	1433.5	5227.5	11698.7	13238.6	12109.0
924.4	50°	977.6	980.2	932.0	949.8	1073.9	1360.1	6172.2	13355.1	15084.9	13879.3
873.8	52.5°	919.4	919.4	856.1	866.2	980.2	1294.2	7071.4	15150.8	17521.4	16348.7
820.6	55°	861.1	856.1	785.1	790.2	886.5	1200.5	7205.6	16903.4	20844.3	20064.2
762.4	57.5°	795.3	785.1	719.3	719.3	800.3	1132.1	6245.7	18250.8	24967.6	25524.8
653.4	60°	714.2	706.6	663.6	650.9	732.0	1192.9	4406.9	18407.8	27627.0	32786.1
519.2	62.5°	610.4	620.5	597.7	580.0	666.1	1238.5	2611.2	17144.0	26983.6	35096.0
402.7	65°	481.2	521.7	516.7	504.0	732.0	1043.5	1542.4	14717.7	25010.7	33231.9
352.0	67.5°	410.3	438.2	430.6	430.6	767.4	792.7	970.0	11498.6	22295.6	31020.8
293.8	70°	349.5	377.4	349.5	349.5	580.0	481.2	671.2	8028.7	19365.2	28574.2
235.5	72.5°	288.7	316.6	286.2	265.9	463.5	359.6	491.3	5017.3	16584.3	26026.3
167.2	75°	220.3	253.3	230.5	205.2	306.5	268.5	372.3	2915.2	13740.0	22267.7
101.3	77.5°	139.3	182.4	172.2	144.4	225.4	195.0	268.5	1734.9	10602.0	17399.8
60.8	80°	86.1	93.7	96.2	91.2	129.2	131.7	182.4	987.8	7256.3	12126.7
38.0	82.5°	55.7	55.7	43.1	48.1	63.3	76.0	103.8	372.3	4265.1	7382.9
22.8	85°	40.5	35.5	22.8	22.8	30.4	38.0	40.5	114.0	1729.9	2915.2
10.1	87.5°	20.3	17.7	7.6	10.1	15.2	12.7	10.1	5.1	435.6	932.0
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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 CATALOG NUMBER: GALN-SB8B-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
5090.8	0°	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8	5090.8
5843.0	2.5°	5893.6	5972.2	5977.2	5977.2	5908.8	5906.3	5767.0	5751.8
6704.1	5°	6939.7	6990.3	7003.0	6977.7	6840.9	6739.6	6468.6	6410.3
7583.0	7.5°	7897.0	7998.3	7998.3	7937.6	7714.7	7507.0	7114.4	6967.5
8309.9	10°	8661.9	8778.4	8753.1	8629.0	8347.9	8061.7	7585.5	7393.0
8750.6	12.5°	9034.2	9153.3	9087.4	8945.6	8672.0	8370.7	7869.2	7651.4
8877.2	15°	9026.6	8993.7	8925.3	8907.6	8775.9	8547.9	8079.4	7841.3
8798.7	17.5°	8705.0	8426.4	8373.2	8550.5	8717.6	8661.9	8261.7	8038.9
8611.3	20°	8195.9	7709.6	7661.5	8000.9	8477.0	8720.2	8431.4	8226.3
8340.3	22.5°	7659.0	7134.7	7023.2	7398.1	8114.8	8737.9	8646.7	8441.6
8041.4	25°	7149.9	6623.1	6511.6	6861.2	7712.1	8707.5	8879.7	8705.0
7755.2	27.5°	6724.4	6215.3	6111.5	6461.0	7324.6	8621.4	9112.7	8988.6
7471.5	30°	6395.1	5924.0	5848.1	6184.9	6990.3	8515.0	9409.1	9340.7
7208.1	32.5°	6202.6	5858.2	5886.1	6162.1	6810.5	8398.5	9692.7	9725.7
7079.0	35°	6392.6	6407.8	6650.9	6764.9	6977.7	8380.8	10077.7	10206.9
7233.5	37.5°	7337.3	7864.1	8368.1	8274.4	7795.7	8585.9	10652.6	10893.2
7907.2	40°	8945.6	10027.1	10845.1	10488.0	9282.4	9214.1	11480.8	11840.5
9102.6	42.5°	10911.0	12744.7	14092.1	13134.7	11199.7	10313.3	12663.6	13122.0
10548.8	45°	12985.3	16095.5	18217.9	16227.2	13243.6	11853.2	14454.3	14813.9
11903.8	47.5°	15171.0	20168.1	22913.6	19656.5	15138.1	13605.8	16895.8	16979.4
13187.9	50°	17561.9	24633.3	27700.4	23083.3	16966.7	15614.2	19879.4	19783.1
14684.7	52.5°	19838.8	29225.1	32385.9	26525.2	18572.5	18106.4	23341.6	23144.0
16731.2	55°	22011.9	33814.4	37099.3	29833.0	20087.0	21399.0	27454.7	26259.3
19681.8	57.5°	24532.0	37940.2	41957.1	33155.9	22204.4	25674.2	32054.2	28067.7
25332.3	60°	28257.6	42628.3	47450.6	37709.7	26231.4	30167.3	33703.0	27723.2
32099.7	62.5°	33014.1	46939.0	51444.7	42172.4	30276.2	31013.2	31274.1	25068.9
30719.4	65°	33938.5	48030.6	51670.1	43365.3	29754.4	26307.4	25532.4	20150.4
27439.5	67.5°	31486.8	46057.6	48519.4	41144.1	26320.1	20330.2	19160.1	14618.9
25286.7	70°	28736.3	42296.5	43028.5	37367.8	23149.1	14953.2	12939.7	9381.2
23812.7	72.5°	25917.4	37279.2	35764.6	32451.8	20345.4	10888.2	9333.1	6668.7
21713.0	75°	22569.1	30681.4	28171.5	26963.4	16845.2	8545.4	6752.2	4602.0
18676.3	77.5°	18073.5	21596.5	20925.4	20900.0	12658.6	6243.2	4505.7	2884.8
14591.0	80°	12749.7	14016.1	13674.2	15740.9	8492.2	4528.5	2712.5	1605.7
10156.2	82.5°	6172.2	7750.1	7955.3	9373.6	4130.9	2664.4	625.6	349.5
3971.3	85°	2416.2	3738.3	3153.2	3558.5	1160.0	742.1	15.2	0.0
653.4	87.5°	271.0	433.1	397.6	314.1	141.8	30.4	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)