

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: P952779

Luminaire Tested: **GALN-SB6C-740-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952779
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-SB6C-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 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: 36669 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

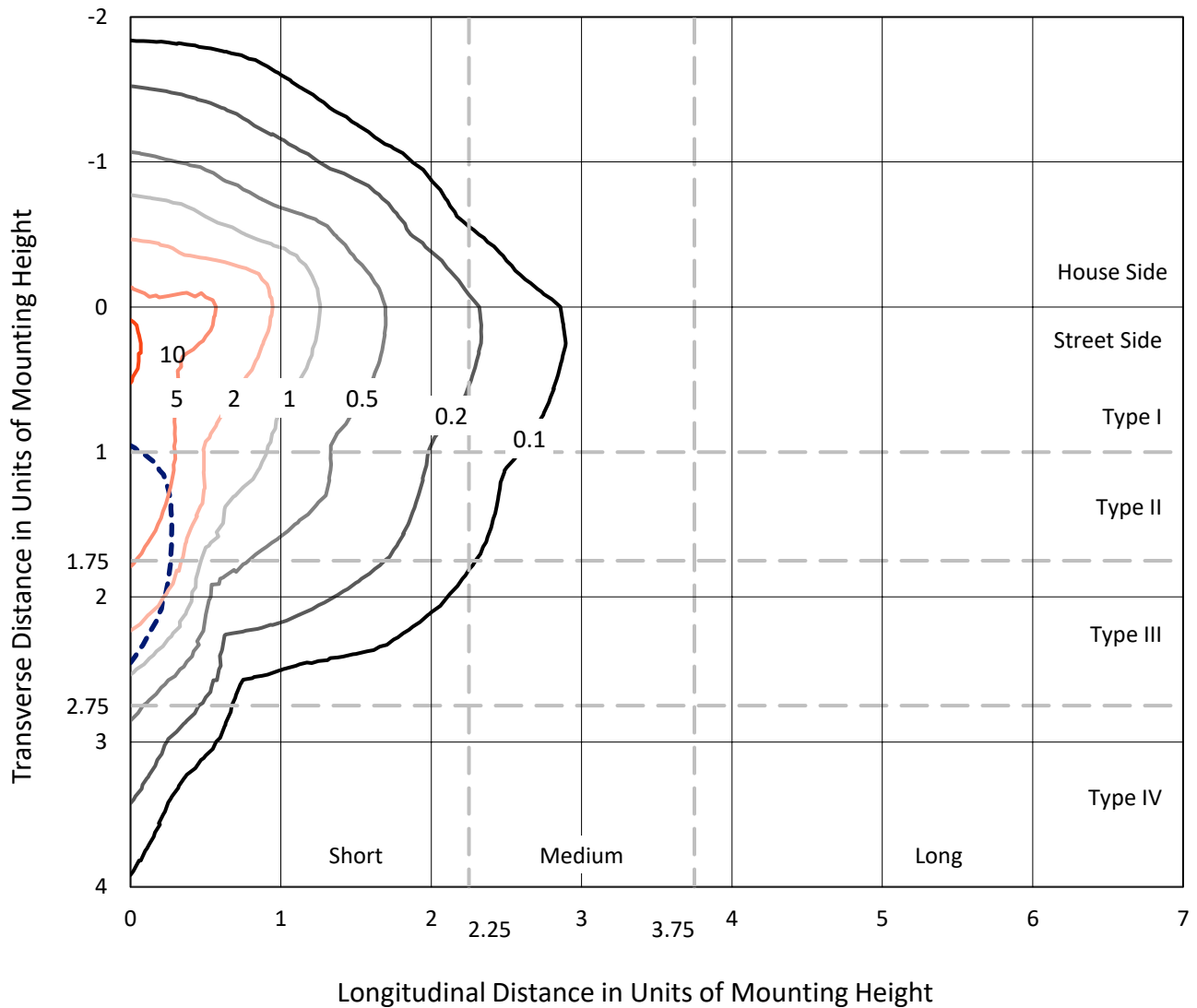
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

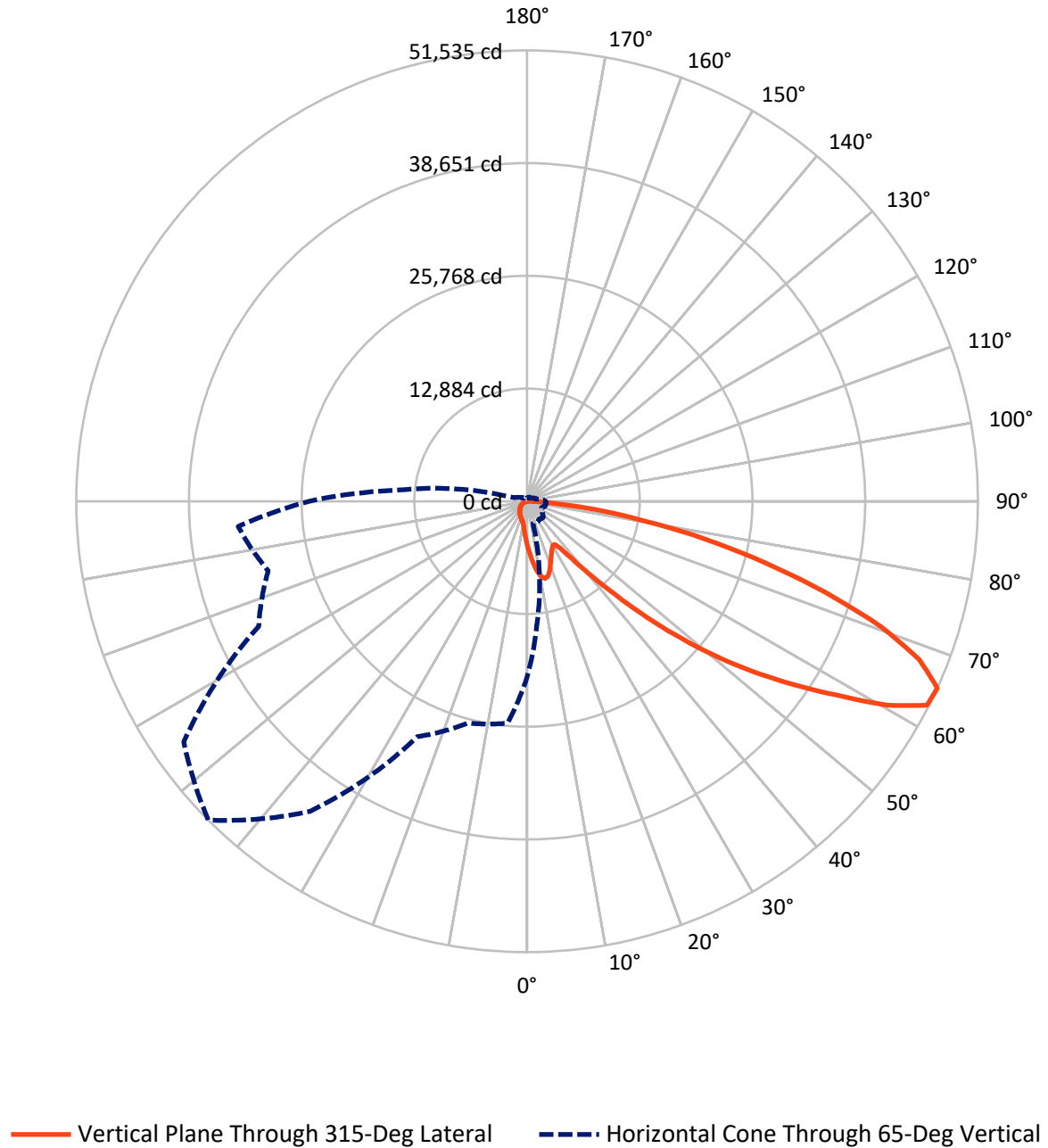
× Max cd
 - - - 1/2 Max cd



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	5135.2	0.0	5135.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	31533.8	0.0	31533.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	36669.0	0.0	36669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.9	1.4
10°-20°	1498.5	4.1
20°-30°	2207.7	6.0
30°-40°	2836.2	7.7
40°-50°	4587.0	12.5
50°-60°	8043.8	21.9
60°-70°	10065.0	27.4
70°-80°	5881.5	16.0
80°-90°	1049.4	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°	36669.0	100.0
0°-180°	36669.0	100.0

Coefficient of Utilization



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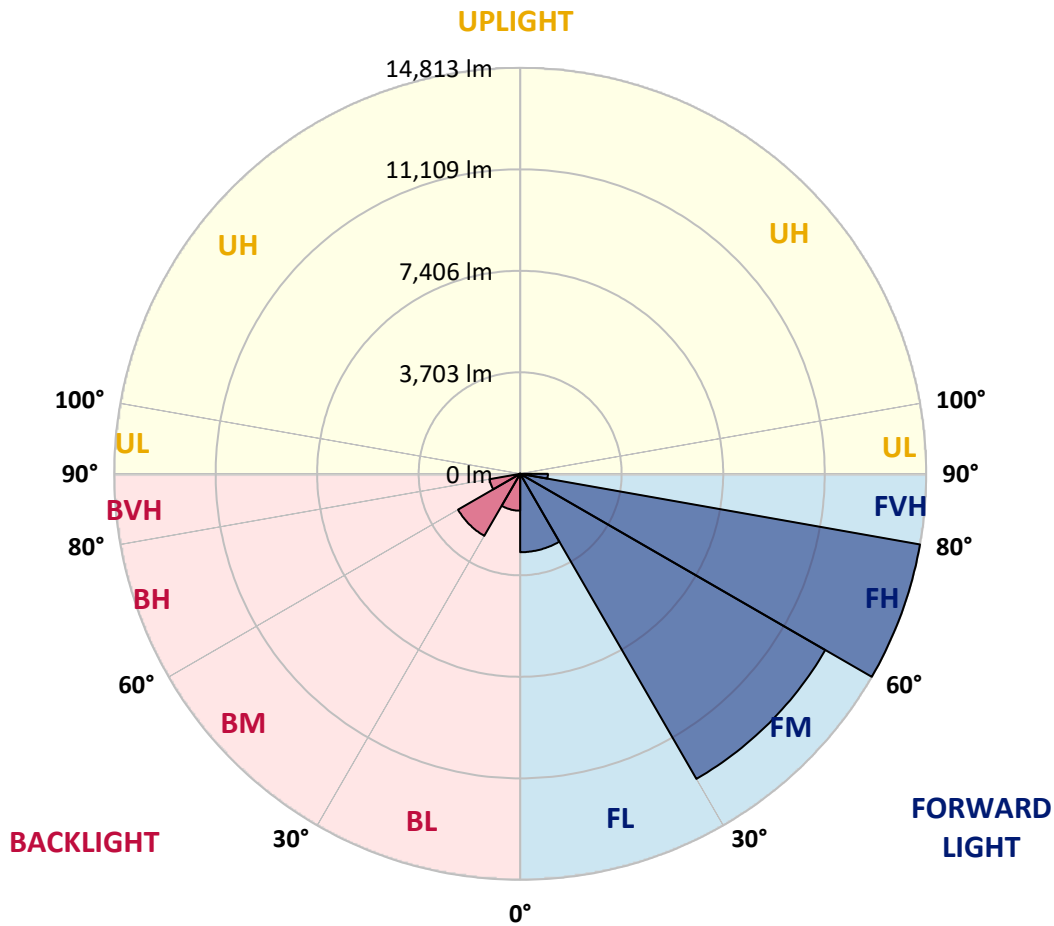
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2860.1	7.8			
FM (30°-60°)	12852.1	35.0			
FH (60°-80°)	14812.6	40.4			G5
FVH (80°-90°)	1009.0	2.8			G5
BL (0°-30°)	1346.0	3.7	B3/2500		
BM (30°-60°)	2615.0	7.1	B3/5000		
BH (60°-80°)	1133.9	3.1	B3/2500		G3/2500
BVH (80°-90°)	40.3	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°	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5
2.5°	5736.8	5638.3	5580.2	5436.2	5292.2	5176.0	5019.4	4915.8	4792.0	4673.3
5°	6393.6	6234.4	6042.5	5779.7	5539.8	5294.7	5057.3	4822.3	4574.8	4347.4
7.5°	6949.3	6719.5	6381.0	6032.4	5726.7	5431.1	5153.3	4842.6	4541.9	4185.8
10°	7373.7	7080.7	6636.1	6178.9	5827.7	5529.7	5259.4	4996.6	4693.5	4264.1
12.5°	7631.4	7318.1	6790.2	6254.7	5853.0	5519.6	5309.9	5193.7	5075.0	4648.0
15°	7820.8	7482.3	6898.8	6307.7	5794.9	5385.7	5231.6	5347.8	5484.2	5211.4
17.5°	8017.9	7661.7	7040.3	6330.4	5638.3	5125.5	5059.8	5360.4	5676.2	5663.5
20°	8204.8	7851.2	7164.1	6315.3	5385.7	4809.7	4867.8	5251.8	5618.1	5772.2
22.5°	8419.5	8045.7	7282.8	6257.2	5057.3	4514.2	4696.0	5080.0	5400.8	5582.7
25°	8682.2	8290.7	7449.5	6171.3	4703.6	4269.1	4521.7	4880.4	5140.6	5266.9
27.5°	8965.2	8583.7	7671.8	6125.8	4418.2	4094.8	4324.7	4643.0	4875.4	4963.8
30°	9316.3	8924.8	7934.5	6075.3	4231.2	3993.8	4120.1	4367.6	4595.0	4683.4
32.5°	9700.3	9303.7	8187.1	5954.0	4117.6	3918.0	3920.5	4077.1	4284.3	4390.4
35°	10180.2	9758.4	8457.4	5688.8	4026.6	3829.6	3726.0	3801.8	3973.6	4099.9
37.5°	10864.8	10354.5	8788.3	5309.9	3892.7	3693.2	3521.4	3539.1	3670.4	3809.4
40°	11809.6	11155.3	9177.4	4915.8	3700.8	3501.2	3296.6	3289.0	3385.0	3521.4
42.5°	13087.8	12213.7	9644.7	4539.4	3516.3	3268.8	3059.1	3046.5	3122.3	3241.0
45°	14775.2	13567.7	10218.1	4216.1	3372.4	3041.4	2834.3	2829.2	2892.4	2996.0
47.5°	16935.0	15449.7	10791.5	3996.3	3296.6	2862.1	2649.9	2660.0	2715.6	2809.0
50°	19731.5	17902.5	10965.8	3885.2	3296.6	2766.1	2485.7	2536.2	2581.7	2652.4
52.5°	23083.6	20256.9	10389.9	3784.1	3316.8	2778.7	2346.8	2455.4	2488.2	2548.8
55°	26190.7	21411.3	8932.3	3645.2	3321.8	2857.0	2228.0	2389.7	2450.3	2473.1
57.5°	27994.4	21014.7	7222.2	3410.2	3301.6	2910.1	2152.2	2308.9	2425.1	2440.2
60°	27650.8	19622.8	5317.5	3230.9	3152.6	2889.9	2129.5	2185.1	2369.5	2392.2
62.5°	25003.4	17288.7	3690.6	3092.0	2824.2	2801.5	2121.9	1990.6	2248.2	2303.8
65°	20097.7	13610.7	2606.9	2662.5	2475.6	2609.5	2081.5	1788.5	2101.7	2177.5
67.5°	14580.7	9210.2	1882.0	2157.3	2243.2	2298.8	1990.6	1642.0	1935.0	2036.0
70°	9356.7	4973.9	1321.2	1424.7	1889.5	1952.7	1834.0	1510.6	1765.8	1882.0
72.5°	6651.3	2937.9	949.8	997.8	1518.2	1626.8	1614.2	1364.1	1568.7	1710.2
75°	4589.9	1619.2	641.6	712.4	1101.4	1321.2	1245.4	1172.1	1328.7	1472.7
77.5°	2877.2	725.0	384.0	495.1	722.5	1038.2	853.8	906.9	1035.7	1169.6
80°	1601.6	280.4	214.7	328.4	394.1	755.3	472.4	583.5	762.9	858.9
82.5°	348.6	35.4	96.0	141.5	154.1	439.5	250.1	338.5	480.0	472.4
85°	0.0	0.0	17.7	20.2	10.1	189.5	90.9	111.1	156.6	146.5
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°
5077.5	0°	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5
4567.2	2.5°	4547.0	4423.2	4332.3	4286.8	4248.9	4284.3	4304.5	4304.5	4390.4	4440.9
4208.5	5°	4120.1	3897.8	3728.5	3614.9	3546.7	3569.4	3594.7	3622.4	3731.1	3804.3
3996.3	7.5°	3824.5	3483.5	3225.8	3066.7	2983.3	2996.0	3013.7	3036.4	3142.5	3215.7
4026.6	10°	3769.0	3278.9	2915.1	2705.5	2604.4	2586.7	2576.6	2569.1	2632.2	2687.8
4370.2	12.5°	3996.3	3289.0	2781.2	2526.1	2402.3	2349.3	2288.7	2240.7	2250.8	2286.1
4890.6	15°	4403.0	3417.8	2738.3	2432.6	2278.6	2190.1	2119.4	2061.3	2048.7	2061.3
5345.3	17.5°	4867.8	3592.1	2733.3	2351.8	2159.8	2068.9	2010.8	1957.7	1940.1	1942.6
5600.4	20°	5176.0	3731.1	2718.1	2260.9	2046.1	1965.3	1914.8	1861.7	1844.1	1849.1
5529.7	22.5°	5206.3	3804.3	2695.4	2159.8	1932.5	1864.3	1813.7	1765.8	1763.2	1763.2
5264.4	25°	5042.1	3804.3	2647.4	2068.9	1823.9	1763.2	1717.8	1659.7	1669.8	1674.8
4963.8	27.5°	4787.0	3713.4	2556.4	1995.6	1730.4	1667.2	1621.8	1568.7	1581.3	1588.9
4683.4	30°	4534.4	3597.2	2447.8	1912.3	1642.0	1568.7	1535.9	1490.4	1495.5	1505.6
4405.5	32.5°	4299.4	3473.4	2319.0	1844.1	1553.6	1480.3	1455.0	1404.5	1412.1	1422.2
4132.7	35°	4067.0	3337.0	2167.4	1763.2	1472.7	1399.5	1379.3	1321.2	1326.2	1341.4
3859.9	37.5°	3817.0	3193.0	2043.6	1682.4	1394.4	1318.6	1298.4	1237.8	1242.8	1260.5
3577.0	40°	3554.2	3051.5	1922.4	1596.5	1311.1	1235.3	1217.6	1151.9	1157.0	1177.2
3299.1	42.5°	3289.0	2897.4	1828.9	1485.4	1225.2	1144.3	1126.6	1066.0	1073.6	1096.3
3056.6	45°	3044.0	2713.0	1768.3	1361.6	1144.3	1053.4	1035.7	980.1	995.3	1020.5
2852.0	47.5°	2834.3	2523.6	1743.0	1258.0	1058.4	959.9	944.8	899.3	924.6	952.3
2677.7	50°	2654.9	2341.7	1710.2	1151.9	977.6	879.1	863.9	833.6	866.5	894.2
2559.0	52.5°	2526.1	2134.6	1639.4	1055.9	906.9	810.9	805.8	790.7	821.0	846.2
2470.5	55°	2415.0	1919.8	1525.8	972.6	843.7	752.8	757.8	750.3	775.5	795.7
2417.5	57.5°	2313.9	1732.9	1381.8	906.9	775.5	702.3	717.4	707.3	719.9	732.6
2361.9	60°	2192.7	1543.5	1210.0	833.6	694.7	651.7	669.4	641.6	639.1	644.2
2260.9	62.5°	2013.3	1288.3	1030.7	742.7	623.9	596.2	603.7	550.7	510.3	510.3
2111.8	65°	1763.2	1035.7	863.9	641.6	543.1	520.4	515.3	439.5	384.0	378.9
1950.2	67.5°	1472.7	851.3	717.4	540.6	452.2	437.0	442.1	386.5	330.9	325.9
1788.5	70°	1199.9	704.8	578.5	432.0	348.6	363.8	386.5	330.9	277.9	270.3
1599.0	72.5°	975.1	560.8	452.2	330.9	257.7	300.6	328.4	270.3	219.8	214.7
1364.1	75°	752.8	411.8	323.3	224.8	186.9	232.4	257.7	197.0	156.6	149.0
1055.9	77.5°	502.7	255.1	181.9	141.5	111.1	159.1	171.8	103.6	90.9	88.4
767.9	80°	305.7	118.7	78.3	68.2	37.9	58.1	68.2	42.9	48.0	50.5
409.2	82.5°	154.1	32.8	12.6	2.5	0.0	0.0	20.2	10.1	20.2	25.3
111.1	85°	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	12.6
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°
5077.5	0°	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5
4461.1	2.5°	4602.6	4708.7	4809.7	4971.4	5138.1	5302.3	5469.0	5630.7	5688.8	5731.7
3852.3	5°	4072.1	4271.7	4504.1	4824.9	5168.4	5522.1	5880.8	6209.2	6358.2	6459.3
3278.9	7.5°	3523.9	3784.1	4117.6	4600.0	5138.1	5701.4	6264.8	6782.6	7022.6	7217.1
2738.3	10°	2980.8	3263.7	3685.6	4236.3	4963.8	5772.2	6550.2	7262.6	7573.3	7818.3
2349.3	12.5°	2503.4	2768.6	3210.7	3819.5	4691.0	5716.6	6714.4	7570.8	7937.0	8212.4
2071.4	15°	2167.4	2354.3	2745.9	3402.7	4367.6	5537.2	6724.5	7717.3	8118.9	8406.9
1955.2	17.5°	1980.5	2043.6	2298.8	2978.3	4008.9	5302.3	6631.0	7767.8	8197.2	8465.0
1851.6	20°	1879.4	1889.5	1960.3	2427.6	3549.2	5082.5	6542.6	7818.3	8270.5	8495.3
1778.4	22.5°	1798.6	1798.6	1816.3	1985.5	2955.5	4819.8	6514.8	7906.7	8371.5	8510.5
1695.0	25°	1725.3	1725.3	1730.4	1775.9	2341.7	4418.2	6497.2	8043.1	8510.5	8548.4
1611.7	27.5°	1649.6	1652.1	1652.1	1677.3	1887.0	3872.5	6421.4	8220.0	8677.2	8598.9
1530.8	30°	1573.8	1578.8	1578.8	1596.5	1669.8	3233.4	6272.3	8432.2	8894.4	8664.6
1450.0	32.5°	1498.0	1503.0	1503.0	1518.2	1571.2	2581.7	6085.4	8626.7	9114.2	8692.3
1371.7	35°	1419.7	1427.3	1422.2	1442.4	1498.0	2053.7	5847.9	8821.2	9351.7	8780.8
1295.9	37.5°	1341.4	1346.4	1343.9	1364.1	1427.3	1773.3	5572.6	8967.7	9675.0	8977.8
1215.1	40°	1263.1	1260.5	1260.5	1283.3	1351.5	1692.5	5226.5	9200.1	10139.8	9323.9
1134.2	42.5°	1182.2	1182.2	1177.2	1202.4	1285.8	1631.9	4895.6	9616.9	10816.8	9874.6
1058.4	45°	1109.0	1106.4	1096.3	1119.1	1222.6	1525.8	4779.4	10394.9	11817.1	10766.3
982.7	47.5°	1038.2	1035.7	1010.4	1030.7	1146.9	1429.8	5213.9	11668.1	13204.0	12077.3
922.0	50°	975.1	977.6	929.6	947.3	1071.1	1356.5	6156.1	13320.2	15045.5	13843.1
871.5	52.5°	917.0	917.0	853.8	863.9	977.6	1290.8	7052.9	15111.2	17475.6	16306.0
818.5	55°	858.9	853.8	783.1	788.1	884.1	1197.4	7186.8	16859.3	20789.9	20011.9
760.4	57.5°	793.2	783.1	717.4	717.4	798.3	1129.2	6229.4	18203.2	24902.4	25458.1
651.7	60°	712.4	704.8	661.8	649.2	730.0	1189.8	4395.4	18359.8	27554.8	32700.5
517.9	62.5°	608.8	618.9	596.2	578.5	664.4	1235.3	2604.4	17099.2	26913.2	35004.3
401.7	65°	480.0	520.4	515.3	502.7	730.0	1040.8	1538.4	14679.2	24945.3	33145.1
351.1	67.5°	409.2	437.0	429.4	429.4	765.4	790.7	967.5	11468.5	22237.4	30939.8
293.0	70°	348.6	376.4	348.6	348.6	578.5	480.0	669.4	8007.8	19314.6	28499.6
234.9	72.5°	288.0	315.8	285.5	265.2	462.3	358.7	490.1	5004.2	16541.0	25958.3
166.7	75°	219.8	252.6	229.9	204.6	305.7	267.8	371.3	2907.6	13704.2	22209.6
101.0	77.5°	138.9	181.9	171.8	144.0	224.8	194.5	267.8	1730.4	10574.3	17354.4
60.6	80°	85.9	93.5	96.0	90.9	128.8	131.4	181.9	985.2	7237.3	12095.0
37.9	82.5°	55.6	55.6	42.9	48.0	63.2	75.8	103.6	371.3	4254.0	7363.6
22.7	85°	40.4	35.4	22.7	22.7	30.3	37.9	40.4	113.7	1725.3	2907.6
10.1	87.5°	20.2	17.7	7.6	10.1	15.2	12.6	10.1	5.1	434.5	929.6
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-SB6C-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
5077.5	0°	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5
5827.7	2.5°	5878.3	5956.6	5961.6	5961.6	5893.4	5890.9	5752.0	5736.8
6686.6	5°	6921.5	6972.1	6984.7	6959.4	6823.0	6722.0	6451.7	6393.6
7563.2	7.5°	7876.4	7977.5	7977.5	7916.8	7694.5	7487.4	7095.8	6949.3
8288.2	10°	8639.3	8755.5	8730.2	8606.5	8326.1	8040.6	7565.7	7373.7
8727.7	12.5°	9010.6	9129.4	9063.7	8922.2	8649.4	8348.8	7848.6	7631.4
8854.0	15°	9003.1	8970.2	8902.0	8884.3	8753.0	8525.6	8058.3	7820.8
8775.7	17.5°	8682.2	8404.4	8351.3	8528.2	8694.9	8639.3	8240.2	8017.9
8588.8	20°	8174.5	7689.5	7641.5	7980.0	8454.9	8697.4	8409.4	8204.8
8318.5	22.5°	7639.0	7116.1	7004.9	7378.8	8093.7	8715.1	8624.1	8419.5
8020.4	25°	7131.2	6605.8	6494.6	6843.2	7692.0	8684.8	8856.5	8682.2
7735.0	27.5°	6706.8	6199.1	6095.5	6444.1	7305.5	8598.9	9088.9	8965.2
7452.0	30°	6378.4	5908.6	5832.8	6168.8	6972.1	8492.8	9384.5	9316.3
7189.3	32.5°	6186.4	5842.9	5870.7	6146.0	6792.7	8376.6	9667.4	9700.3
7060.5	35°	6375.9	6391.1	6633.6	6747.2	6959.4	8358.9	10051.4	10180.2
7214.6	37.5°	7318.1	7843.6	8346.3	8252.8	7775.4	8563.5	10624.8	10864.8
7886.5	40°	8922.2	10000.9	10816.8	10460.6	9258.2	9190.0	11450.9	11809.6
9078.8	42.5°	10882.5	12711.4	14055.3	13100.4	11170.5	10286.3	12630.6	13087.8
10521.3	45°	12951.4	16053.4	18170.3	16184.8	13209.0	11822.2	14416.5	14775.2
11872.7	47.5°	15131.4	20115.4	22853.7	19605.1	15098.6	13570.3	16851.7	16935.0
13153.5	50°	17516.1	24569.0	27628.1	23023.0	16922.4	15573.5	19827.4	19731.5
14646.4	52.5°	19787.0	29148.8	32301.4	26456.0	18524.0	18059.2	23280.6	23083.6
16687.5	55°	21954.4	33726.1	37002.5	29755.1	20034.6	21343.1	27383.0	26190.7
19630.4	57.5°	24467.9	37841.1	41847.6	33069.3	22146.4	25607.2	31970.5	27994.4
25266.2	60°	28183.8	42517.0	47326.7	37611.3	26162.9	30088.5	33615.0	27650.8
32015.9	62.5°	32927.9	46816.4	51310.4	42062.3	30197.1	30932.2	31192.4	25003.4
30639.2	65°	33849.9	47905.2	51535.2	43252.1	29676.8	26238.7	25465.7	20097.7
27367.9	67.5°	31404.6	45937.3	48392.7	41036.7	26251.3	20277.1	19110.0	14580.7
25220.7	70°	28661.3	42186.1	42916.1	37270.2	23088.7	14914.2	12905.9	9356.7
23750.5	72.5°	25849.7	37181.8	35671.2	32367.1	20292.2	10859.8	9308.7	6651.3
21656.3	75°	22510.2	30601.3	28097.9	26893.0	16801.2	8523.1	6734.6	4589.9
18627.5	77.5°	18026.3	21540.1	20870.7	20845.5	12625.5	6226.9	4494.0	2877.2
14552.9	80°	12716.4	13979.5	13638.5	15699.8	8470.1	4516.7	2705.5	1601.6
10129.7	82.5°	6156.1	7729.9	7934.5	9349.1	4120.1	2657.5	623.9	348.6
3960.9	85°	2409.9	3728.5	3145.0	3549.2	1157.0	740.2	15.2	0.0
651.7	87.5°	270.3	432.0	396.6	313.2	141.5	30.3	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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