

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: P953829

Luminaire Tested: **GALN-SB7B-735-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953829
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-SB7B-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 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: 30563 lumens
Efficiency: N/A
Efficacy: 119.1 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

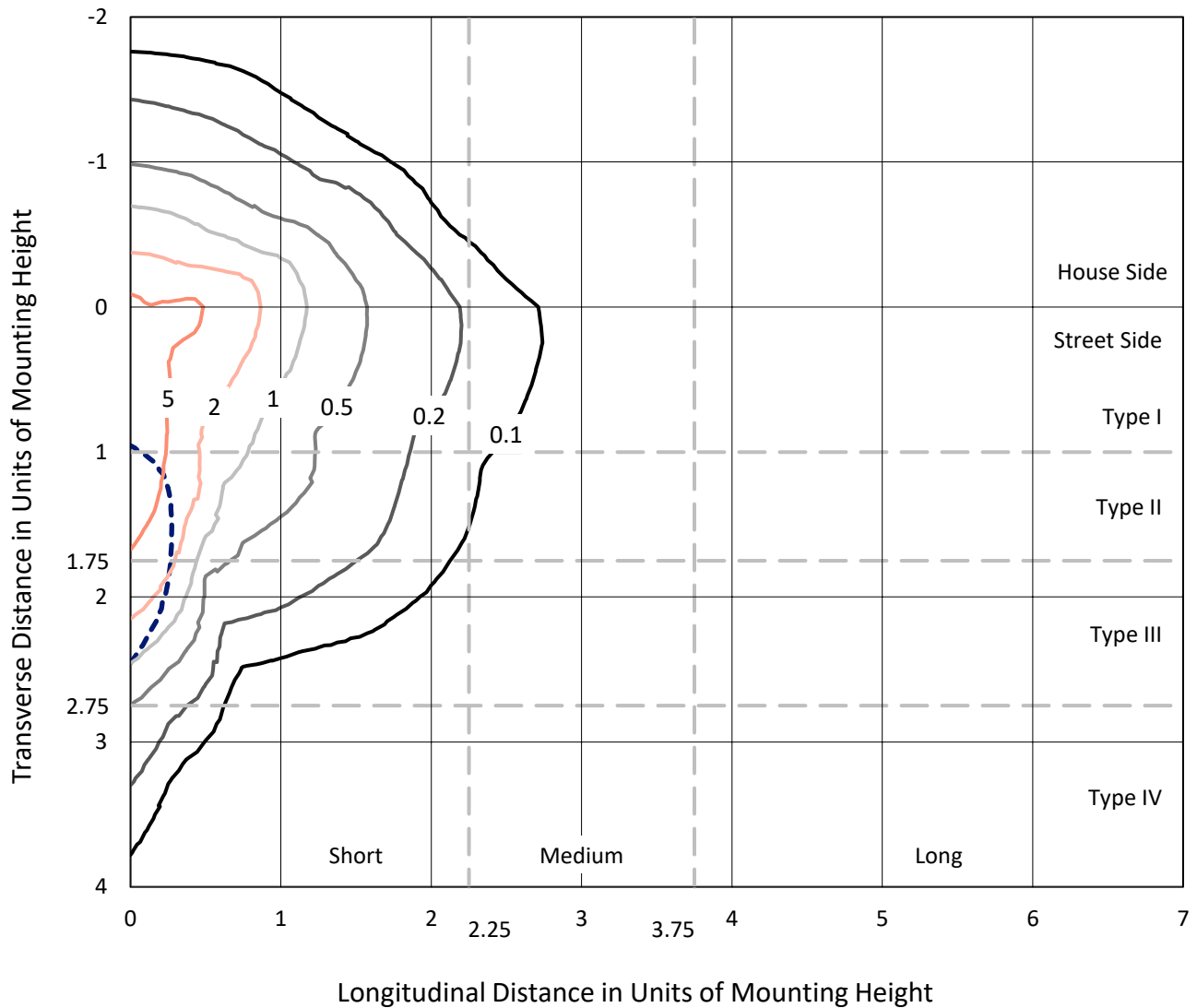
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953829
 CATALOG NUMBER: GALN-SB7B-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

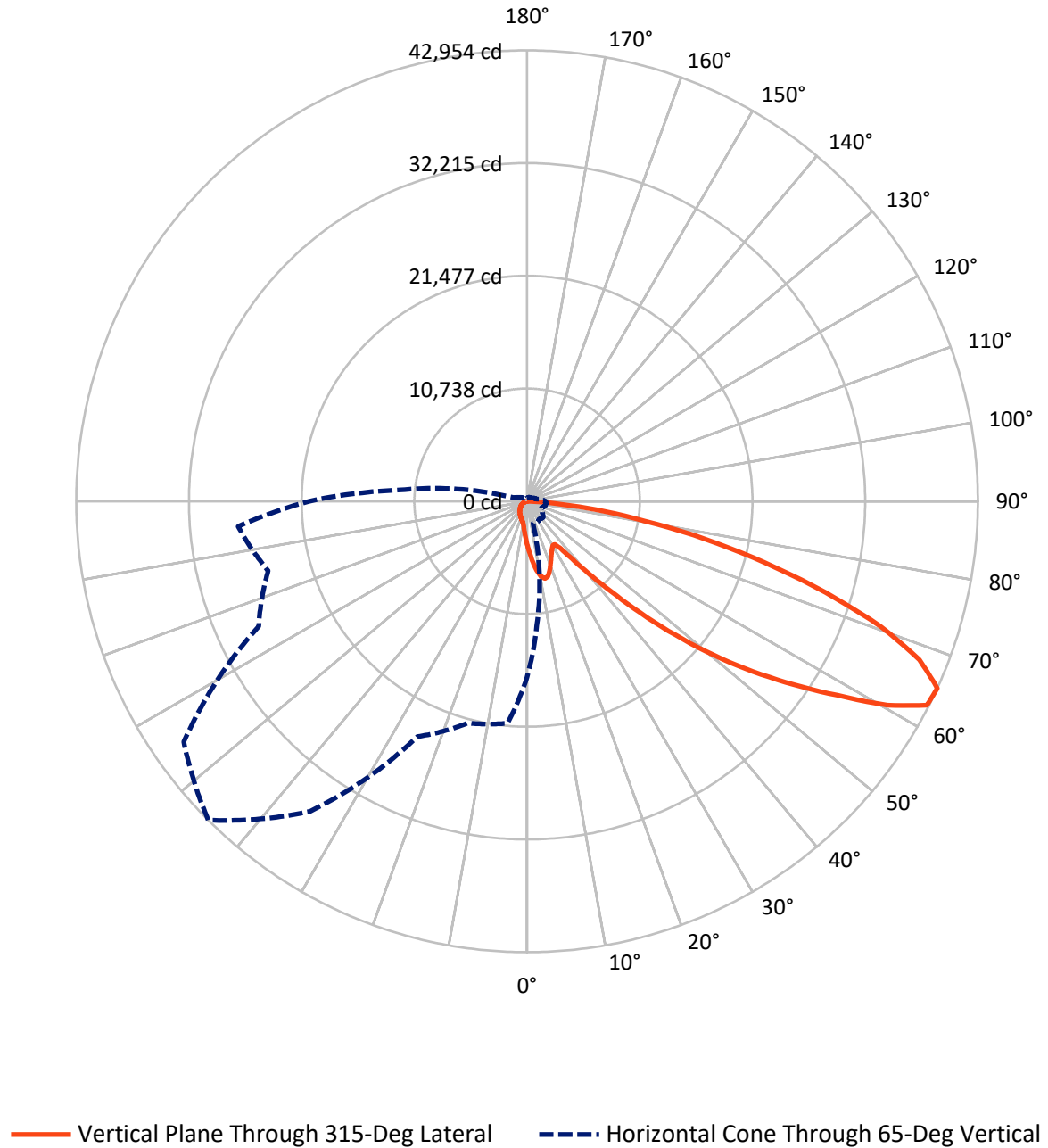
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P953829
CATALOG NUMBER: GALN-SB7B-735-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953829
 CATALOG NUMBER: GALN-SB7B-735-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4280.1	0.0	4280.1
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	26282.9	0.0	26282.9
	% Fixture	86.0	0.0	86.0
Total	Lumens	30563.0	0.0	30563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.7	1.4
10°-20°	1249.0	4.1
20°-30°	1840.0	6.0
30°-40°	2364.0	7.7
40°-50°	3823.2	12.5
50°-60°	6704.4	21.9
60°-70°	8389.0	27.4
70°-80°	4902.1	16.0
80°-90°	874.6	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°	30563.0	100.0
0°-180°	30563.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953829

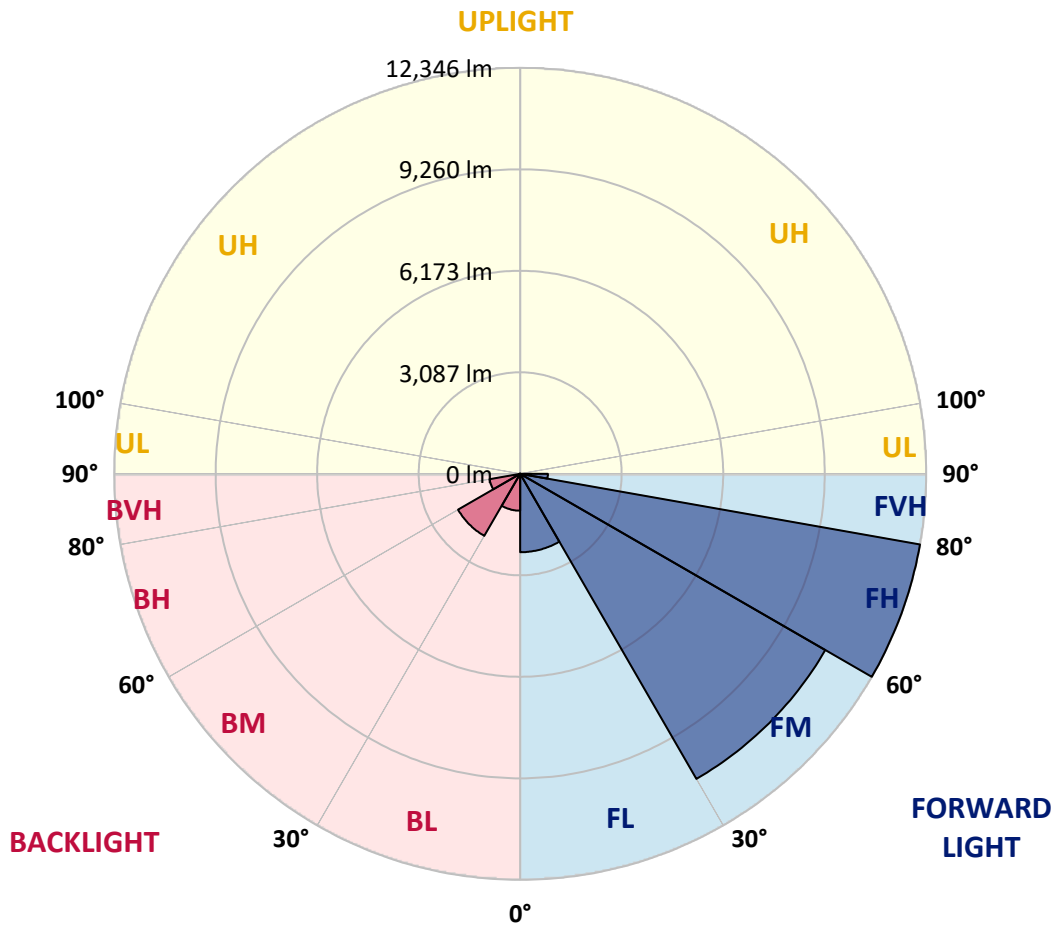
CATALOG NUMBER: GALN-SB7B-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2383.8	7.8			
FM (30°-60°)	10712.0	35.0			
FH (60°-80°)	12346.1	40.4			G5
FVH (80°-90°)	841.0	2.8			G5
BL (0°-30°)	1121.9	3.7	B3/2500		
BM (30°-60°)	2179.5	7.1	B2/2500		
BH (60°-80°)	945.1	3.1	B2/1000		G2/1000
BVH (80°-90°)	33.6	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



REPORT NUMBER: P953829

CATALOG NUMBER: GALN-SB7B-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0
2.5°	4781.5	4699.4	4651.0	4531.0	4411.0	4314.1	4183.6	4097.2	3994.1	3895.1
5°	5328.9	5196.3	5036.3	4817.3	4617.3	4413.1	4215.2	4019.3	3813.0	3623.5
7.5°	5792.2	5600.6	5318.4	5027.9	4773.1	4526.8	4295.2	4036.2	3785.6	3488.8
10°	6145.9	5901.6	5531.1	5150.0	4857.3	4608.9	4383.6	4164.6	3912.0	3554.0
12.5°	6360.6	6099.6	5659.5	5213.1	4878.4	4600.5	4425.7	4328.8	4229.9	3874.1
15°	6518.5	6236.4	5750.0	5257.4	4830.0	4488.9	4360.4	4457.3	4571.0	4343.6
17.5°	6682.8	6385.9	5867.9	5276.3	4699.4	4272.0	4217.3	4467.8	4731.0	4720.5
20°	6838.6	6543.8	5971.1	5263.7	4488.9	4008.8	4057.2	4377.3	4682.6	4811.0
22.5°	7017.5	6705.9	6070.1	5215.3	4215.2	3762.5	3914.1	4234.1	4501.5	4653.1
25°	7236.5	6910.2	6209.0	5143.7	3920.4	3558.2	3768.8	4067.8	4284.6	4389.9
27.5°	7472.3	7154.4	6394.3	5105.8	3682.5	3413.0	3604.6	3869.9	4063.6	4137.3
30°	7765.0	7438.6	6613.3	5063.7	3526.7	3328.8	3434.0	3640.4	3829.9	3903.5
32.5°	8085.0	7754.5	6823.8	4962.6	3431.9	3265.6	3267.7	3398.2	3570.9	3659.3
35°	8485.0	8133.4	7049.1	4741.5	3356.1	3191.9	3105.6	3168.7	3311.9	3417.2
37.5°	9055.6	8630.3	7324.9	4425.7	3244.5	3078.2	2935.0	2949.8	3059.2	3175.1
40°	9843.1	9297.8	7649.2	4097.2	3084.5	2918.2	2747.6	2741.3	2821.3	2935.0
42.5°	10908.4	10180.0	8038.7	3783.5	2930.8	2724.5	2549.7	2539.2	2602.4	2701.3
45°	12314.9	11308.5	8516.6	3514.0	2810.8	2535.0	2362.3	2358.1	2410.8	2497.1
47.5°	14115.1	12877.1	8994.6	3330.9	2747.6	2385.5	2208.6	2217.1	2263.4	2341.3
50°	16445.8	14921.5	9139.9	3238.2	2747.6	2305.5	2071.8	2113.9	2151.8	2210.7
52.5°	19239.8	16883.8	8659.8	3154.0	2764.5	2316.0	1956.0	2046.5	2073.9	2124.4
55°	21829.5	17846.0	7444.9	3038.2	2768.7	2381.3	1857.0	1991.8	2042.3	2061.3
57.5°	23332.8	17515.4	6019.5	2842.4	2751.9	2425.5	1793.9	1924.4	2021.3	2033.9
60°	23046.5	16355.3	4432.0	2692.9	2627.6	2408.7	1774.9	1821.2	1974.9	1993.9
62.5°	20840.0	14409.8	3076.1	2577.1	2353.9	2335.0	1768.6	1659.1	1873.9	1920.2
65°	16751.1	11344.3	2172.8	2219.2	2063.4	2175.0	1734.9	1490.7	1751.8	1814.9
67.5°	12152.8	7676.5	1568.6	1798.1	1869.7	1916.0	1659.1	1368.6	1612.8	1697.0
70°	7798.7	4145.7	1101.2	1187.5	1574.9	1627.5	1528.6	1259.1	1471.7	1568.6
72.5°	5543.7	2448.7	791.7	831.7	1265.4	1355.9	1345.4	1137.0	1307.5	1425.4
75°	3825.6	1349.6	534.8	593.7	918.0	1101.2	1038.0	976.9	1107.5	1227.5
77.5°	2398.1	604.3	320.0	412.7	602.2	865.3	711.6	755.9	863.2	974.8
80°	1334.9	233.7	179.0	273.7	328.5	629.5	393.7	486.4	635.9	715.9
82.5°	290.6	29.5	80.0	117.9	128.4	366.4	208.4	282.1	400.0	393.7
85°	0.0	0.0	14.7	16.8	8.4	157.9	75.8	92.6	130.5	122.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953829
 CATALOG NUMBER: GALN-SB7B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4232.0	0°	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0
3806.7	2.5°	3789.8	3686.7	3610.9	3573.0	3541.4	3570.9	3587.7	3587.7	3659.3	3701.4
3507.7	5°	3434.0	3248.7	3107.7	3012.9	2956.1	2975.0	2996.1	3019.2	3109.8	3170.8
3330.9	7.5°	3187.7	2903.4	2688.7	2556.0	2486.6	2497.1	2511.8	2530.8	2619.2	2680.3
3356.1	10°	3141.4	2732.9	2429.7	2255.0	2170.7	2156.0	2147.6	2141.3	2193.9	2240.2
3642.5	12.5°	3330.9	2741.3	2318.1	2105.5	2002.3	1958.1	1907.6	1867.6	1876.0	1905.5
4076.2	15°	3669.8	2848.7	2282.3	2027.6	1899.1	1825.4	1766.5	1718.1	1707.5	1718.1
4455.2	17.5°	4057.2	2994.0	2278.1	1960.2	1800.2	1724.4	1676.0	1631.7	1617.0	1619.1
4667.8	20°	4314.1	3109.8	2265.5	1884.4	1705.4	1638.1	1595.9	1551.7	1537.0	1541.2
4608.9	22.5°	4339.4	3170.8	2246.5	1800.2	1610.7	1553.8	1511.7	1471.7	1469.6	1469.6
4387.8	25°	4202.5	3170.8	2206.5	1724.4	1520.2	1469.6	1431.7	1383.3	1391.7	1395.9
4137.3	27.5°	3989.9	3095.0	2130.7	1663.3	1442.2	1389.6	1351.7	1307.5	1318.0	1324.3
3903.5	30°	3779.3	2998.2	2040.2	1593.8	1368.6	1307.5	1280.1	1242.2	1246.4	1254.9
3671.9	32.5°	3583.5	2895.0	1932.8	1537.0	1294.9	1233.8	1212.8	1170.6	1177.0	1185.4
3444.6	35°	3389.8	2781.3	1806.5	1469.6	1227.5	1166.4	1149.6	1101.2	1105.4	1118.0
3217.2	37.5°	3181.4	2661.3	1703.3	1402.2	1162.2	1099.1	1082.2	1031.7	1035.9	1050.6
2981.3	40°	2962.4	2543.4	1602.3	1330.7	1092.7	1029.6	1014.8	960.1	964.3	981.1
2749.7	42.5°	2741.3	2415.0	1524.4	1238.0	1021.2	953.8	939.0	888.5	894.8	913.8
2547.6	45°	2537.1	2261.3	1473.8	1134.8	953.8	878.0	863.2	816.9	829.6	850.6
2377.1	47.5°	2362.3	2103.4	1452.8	1048.5	882.2	800.1	787.4	749.5	770.6	793.8
2231.8	50°	2212.9	1951.8	1425.4	960.1	814.8	732.7	720.1	694.8	722.2	745.3
2132.8	52.5°	2105.5	1779.1	1366.5	880.1	755.9	675.9	671.6	659.0	684.3	705.3
2059.2	55°	2012.8	1600.2	1271.7	810.6	703.2	627.4	631.6	625.3	646.4	663.2
2014.9	57.5°	1928.6	1444.4	1151.7	755.9	646.4	585.3	598.0	589.5	600.1	610.6
1968.6	60°	1827.5	1286.4	1008.5	694.8	579.0	543.2	557.9	534.8	532.7	536.9
1884.4	62.5°	1678.1	1073.8	859.0	619.0	520.1	496.9	503.2	459.0	425.3	425.3
1760.2	65°	1469.6	863.2	720.1	534.8	452.7	433.7	429.5	366.4	320.0	315.8
1625.4	67.5°	1227.5	709.5	598.0	450.6	376.9	364.2	368.5	322.1	275.8	271.6
1490.7	70°	1000.1	587.4	482.2	360.0	290.6	303.2	322.1	275.8	231.6	225.3
1332.8	72.5°	812.7	467.4	376.9	275.8	214.8	250.6	273.7	225.3	183.2	179.0
1137.0	75°	627.4	343.2	269.5	187.4	155.8	193.7	214.8	164.2	130.5	124.2
880.1	77.5°	419.0	212.7	151.6	117.9	92.6	132.6	143.2	86.3	75.8	73.7
640.1	80°	254.8	99.0	65.3	56.8	31.6	48.4	56.8	35.8	40.0	42.1
341.1	82.5°	128.4	27.4	10.5	2.1	0.0	0.0	16.8	8.4	16.8	21.1
92.6	85°	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	10.5
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

REPORT NUMBER: P953829
 CATALOG NUMBER: GALN-SB7B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4232.0	0°	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0
3718.3	2.5°	3836.2	3924.6	4008.8	4143.6	4282.5	4419.4	4558.3	4693.1	4741.5	4777.3
3210.8	5°	3394.0	3560.4	3754.1	4021.5	4307.8	4602.6	4901.5	5175.2	5299.5	5383.7
2732.9	7.5°	2937.1	3154.0	3431.9	3834.1	4282.5	4752.0	5221.6	5653.2	5853.2	6015.3
2282.3	10°	2484.5	2720.3	3071.9	3530.9	4137.3	4811.0	5459.5	6053.2	6312.2	6516.4
1958.1	12.5°	2086.5	2307.6	2676.1	3183.5	3909.9	4764.7	5596.3	6310.1	6615.4	6844.9
1726.5	15°	1806.5	1962.3	2288.6	2836.1	3640.4	4615.2	5604.8	6432.2	6767.0	7007.0
1629.6	17.5°	1650.7	1703.3	1916.0	2482.4	3341.4	4419.4	5526.9	6474.3	6832.3	7055.4
1543.3	20°	1566.5	1574.9	1633.8	2023.4	2958.2	4236.2	5453.2	6516.4	6893.3	7080.7
1482.3	22.5°	1499.1	1499.1	1513.8	1654.9	2463.4	4017.2	5430.0	6590.1	6977.5	7093.3
1412.8	25°	1438.0	1438.0	1442.2	1480.1	1951.8	3682.5	5415.3	6703.8	7093.3	7124.9
1343.3	27.5°	1374.9	1377.0	1377.0	1398.0	1572.8	3227.7	5352.1	6851.2	7232.3	7167.0
1275.9	30°	1311.7	1315.9	1315.9	1330.7	1391.7	2695.0	5227.9	7028.1	7413.4	7221.8
1208.5	32.5°	1248.5	1252.8	1252.8	1265.4	1309.6	2151.8	5072.1	7190.2	7596.5	7244.9
1143.3	35°	1183.3	1189.6	1185.4	1202.2	1248.5	1711.7	4874.2	7352.3	7794.5	7318.6
1080.1	37.5°	1118.0	1122.2	1120.1	1137.0	1189.6	1478.0	4644.7	7474.4	8064.0	7482.8
1012.7	40°	1052.7	1050.6	1050.6	1069.6	1126.4	1410.7	4356.2	7668.1	8451.4	7771.3
945.4	42.5°	985.4	985.4	981.1	1002.2	1071.7	1360.1	4080.4	8015.5	9015.6	8230.3
882.2	45°	924.3	922.2	913.8	932.7	1019.0	1271.7	3983.6	8664.0	9849.4	8973.5
819.0	47.5°	865.3	863.2	842.2	859.0	955.9	1191.7	4345.7	9725.2	11005.3	10066.3
768.5	50°	812.7	814.8	774.8	789.6	892.7	1130.6	5131.0	11102.2	12540.2	11538.0
726.4	52.5°	764.3	764.3	711.6	720.1	814.8	1075.9	5878.5	12594.9	14565.7	13590.8
682.2	55°	715.9	711.6	652.7	656.9	736.9	998.0	5990.1	14051.9	17328.0	16679.5
633.7	57.5°	661.1	652.7	598.0	598.0	665.3	941.1	5192.1	15172.0	20755.7	21218.9
543.2	60°	593.7	587.4	551.6	541.1	608.5	991.7	3663.5	15302.6	22966.5	27255.3
431.6	62.5°	507.4	515.8	496.9	482.2	553.7	1029.6	2170.7	14251.9	22431.7	29175.5
334.8	65°	400.0	433.7	429.5	419.0	608.5	867.5	1282.2	12234.9	20791.5	27625.9
292.7	67.5°	341.1	364.2	357.9	357.9	638.0	659.0	806.4	9558.8	18534.5	25787.8
244.2	70°	290.6	313.7	290.6	290.6	482.2	400.0	557.9	6674.3	16098.4	23753.9
195.8	72.5°	240.0	263.2	237.9	221.1	385.3	299.0	408.5	4170.9	13786.6	21635.8
139.0	75°	183.2	210.5	191.6	170.5	254.8	223.2	309.5	2423.4	11422.2	18511.3
84.2	77.5°	115.8	151.6	143.2	120.0	187.4	162.1	223.2	1442.2	8813.5	14464.6
50.5	80°	71.6	77.9	80.0	75.8	107.4	109.5	151.6	821.1	6032.2	10081.0
31.6	82.5°	46.3	46.3	35.8	40.0	52.6	63.2	86.3	309.5	3545.6	6137.4
18.9	85°	33.7	29.5	18.9	18.9	25.3	31.6	33.7	94.7	1438.0	2423.4
8.4	87.5°	16.8	14.7	6.3	8.4	12.6	10.5	8.4	4.2	362.1	774.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953829
 CATALOG NUMBER: GALN-SB7B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4232.0	0°	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0	4232.0
4857.3	2.5°	4899.4	4964.7	4968.9	4968.9	4912.1	4910.0	4794.2	4781.5
5573.2	5°	5769.0	5811.1	5821.6	5800.6	5686.9	5602.7	5377.4	5328.9
6303.8	7.5°	6564.9	6649.1	6649.1	6598.5	6413.3	6240.6	5914.3	5792.2
6908.1	10°	7200.7	7297.6	7276.5	7173.3	6939.6	6701.7	6305.9	6145.9
7274.4	12.5°	7510.2	7609.2	7554.4	7436.5	7209.1	6958.6	6541.7	6360.6
7379.7	15°	7503.9	7476.5	7419.7	7404.9	7295.5	7106.0	6716.5	6518.5
7314.4	17.5°	7236.5	7004.9	6960.7	7108.1	7247.0	7200.7	6868.0	6682.8
7158.6	20°	6813.3	6409.1	6369.1	6651.2	7047.0	7249.1	7009.1	6838.6
6933.3	22.5°	6366.9	5931.1	5838.5	6150.1	6745.9	7263.9	7188.1	7017.5
6684.9	25°	5943.7	5505.8	5413.2	5703.7	6411.2	7238.6	7381.8	7236.5
6447.0	27.5°	5590.0	5166.8	5080.5	5371.1	6089.0	7167.0	7575.5	7472.3
6211.1	30°	5316.3	4924.7	4861.5	5141.6	5811.1	7078.6	7821.8	7765.0
5992.2	32.5°	5156.3	4870.0	4893.1	5122.6	5661.6	6981.7	8057.6	8085.0
5884.8	35°	5314.2	5326.8	5529.0	5623.7	5800.6	6967.0	8377.7	8485.0
6013.2	37.5°	6099.6	6537.5	6956.5	6878.6	6480.6	7137.5	8855.6	9055.6
6573.3	40°	7436.5	8335.6	9015.6	8718.8	7716.6	7659.7	9544.1	9843.1
7567.1	42.5°	9070.4	10594.7	11714.8	10919.0	9310.4	8573.5	10527.4	10908.4
8769.3	45°	10794.8	13380.3	15144.7	13489.8	11009.5	9853.6	12015.9	12314.9
9895.7	47.5°	12611.8	16765.9	19048.2	16340.6	12584.4	11310.6	14045.6	14115.1
10963.2	50°	14599.3	20477.8	23027.5	19189.3	14104.6	12980.2	16525.8	16445.8
12207.5	52.5°	16492.2	24295.0	26922.7	22050.6	15439.4	15052.0	19404.0	19239.8
13908.7	55°	18298.7	28110.1	30840.9	24800.3	16698.5	17789.1	22823.3	21829.5
16361.6	57.5°	20393.6	31540.0	34879.2	27562.7	18458.7	21343.2	26646.8	23332.8
21058.9	60°	23490.7	35437.2	39446.0	31348.4	21806.4	25078.3	28017.5	23046.5
26684.7	62.5°	27444.8	39020.7	42766.3	35058.2	25168.8	25781.5	25998.4	20840.0
25537.3	65°	28213.3	39928.2	42953.7	36049.9	24735.1	21869.5	21225.3	16751.1
22810.7	67.5°	26175.2	38288.0	40334.5	34203.4	21880.1	16900.6	15927.9	12152.8
21021.0	70°	23888.7	35161.4	35769.9	31064.1	19244.0	12430.7	10756.9	7798.7
19795.6	72.5°	21545.3	30990.4	29731.4	26977.4	16913.3	9051.4	7758.7	5543.7
18050.2	75°	18761.9	25505.7	23419.2	22414.8	14003.5	7103.9	5613.2	3825.6
15525.7	77.5°	15024.6	17953.4	17395.4	17374.4	10523.1	5190.0	3745.6	2398.1
12129.6	80°	10598.9	11651.7	11367.4	13085.5	7059.6	3764.6	2255.0	1334.9
8442.9	82.5°	5131.0	6442.7	6613.3	7792.3	3434.0	2215.0	520.1	290.6
3301.4	85°	2008.6	3107.7	2621.3	2958.2	964.3	616.9	12.6	0.0
543.2	87.5°	225.3	360.0	330.6	261.1	117.9	25.3	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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