

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: P952758

Luminaire Tested: **GALN-SB6C-735-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952758
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-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 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: 34660 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

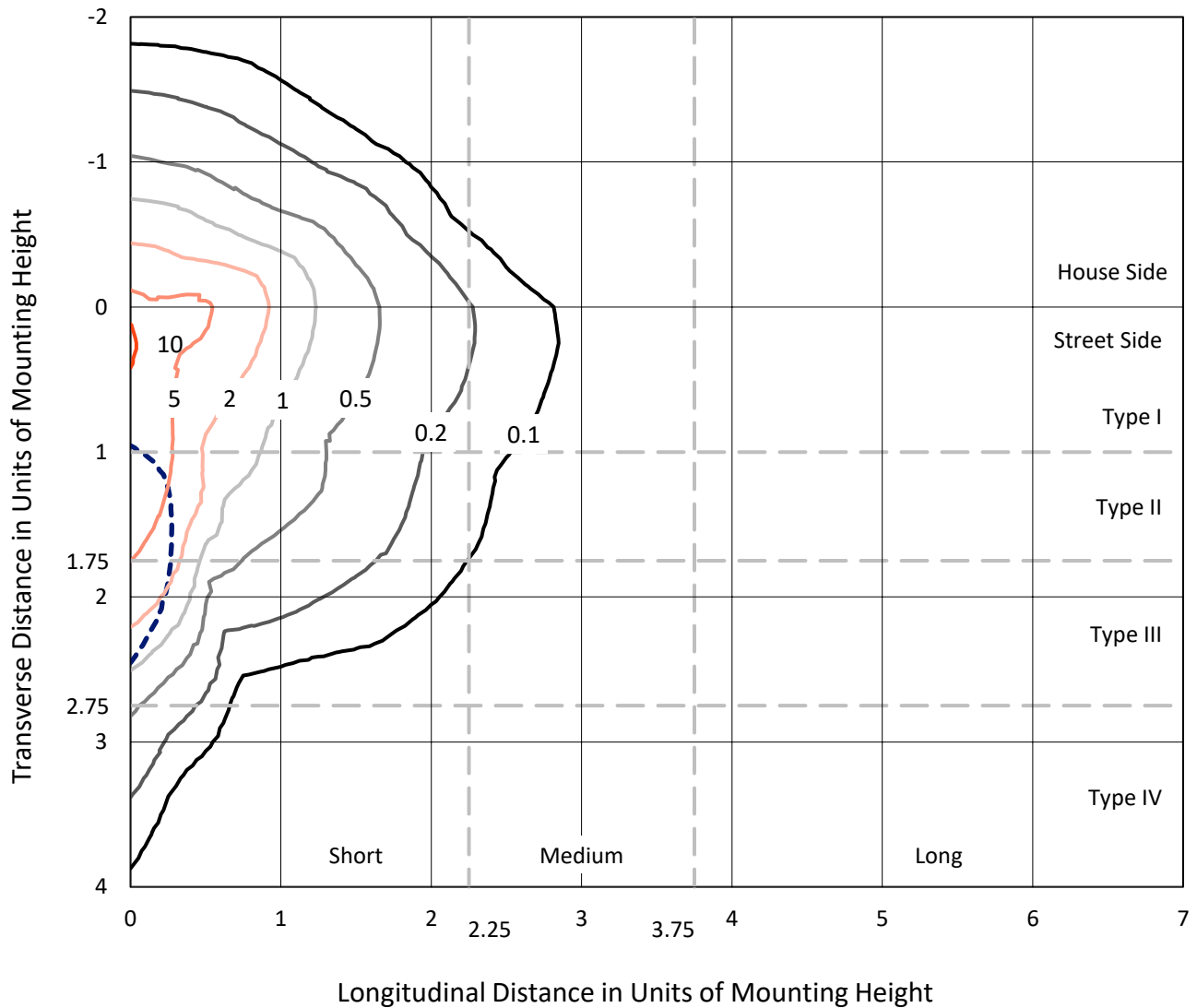
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952758
 CATALOG NUMBER: GALN-SB6C-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

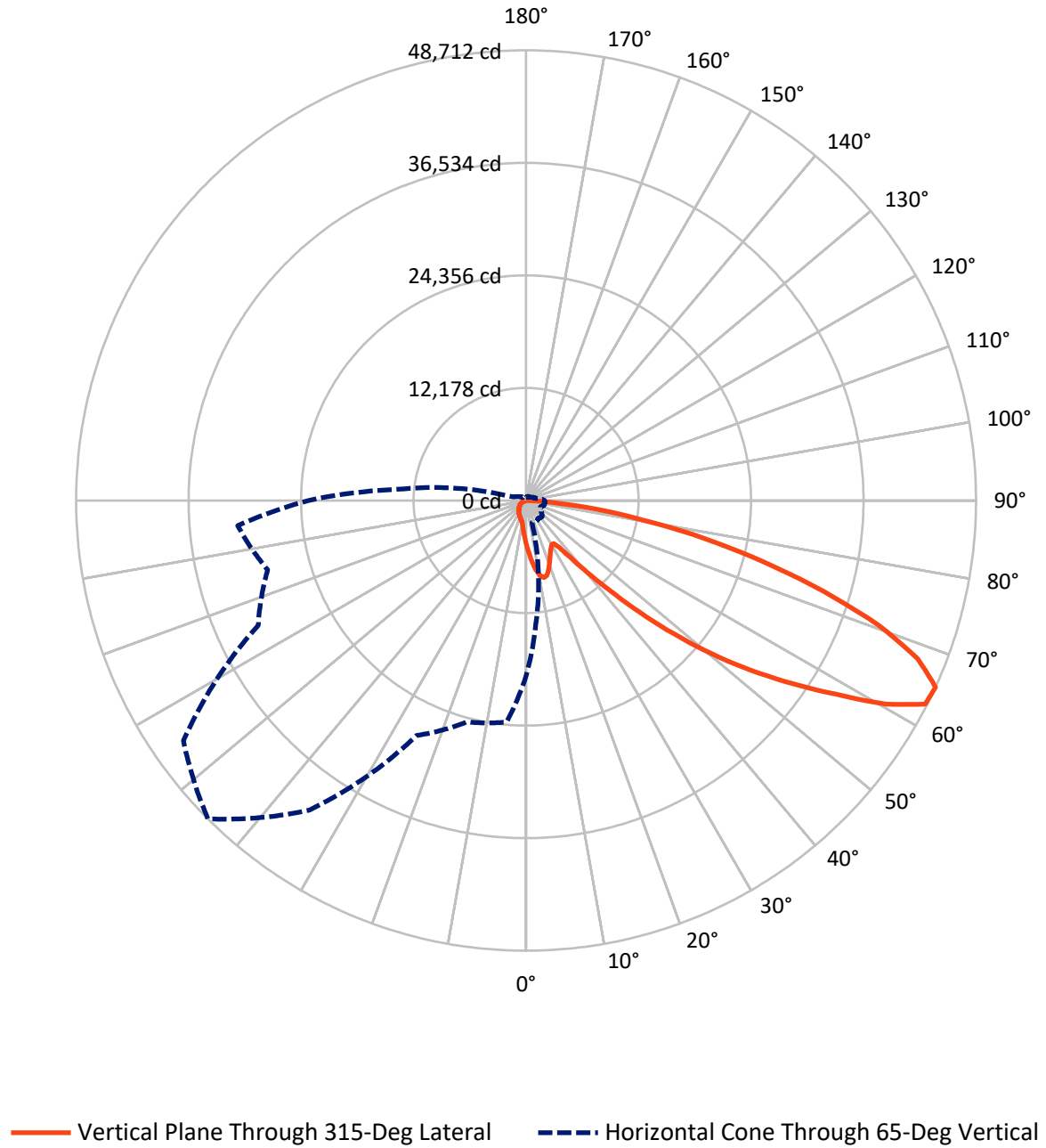
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P952758
CATALOG NUMBER: GALN-SB6C-735-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P952758
 CATALOG NUMBER: GALN-SB6C-735-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4853.9	0.0	4853.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	29806.1	0.0	29806.1
	% Fixture	86.0	0.0	86.0
Total	Lumens	34660.0	0.0	34660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.5	1.4
10°-20°	1416.4	4.1
20°-30°	2086.7	6.0
30°-40°	2680.8	7.7
40°-50°	4335.7	12.5
50°-60°	7603.1	21.9
60°-70°	9513.6	27.4
70°-80°	5559.3	16.0
80°-90°	991.9	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°	34660.0	100.0
0°-180°	34660.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952758

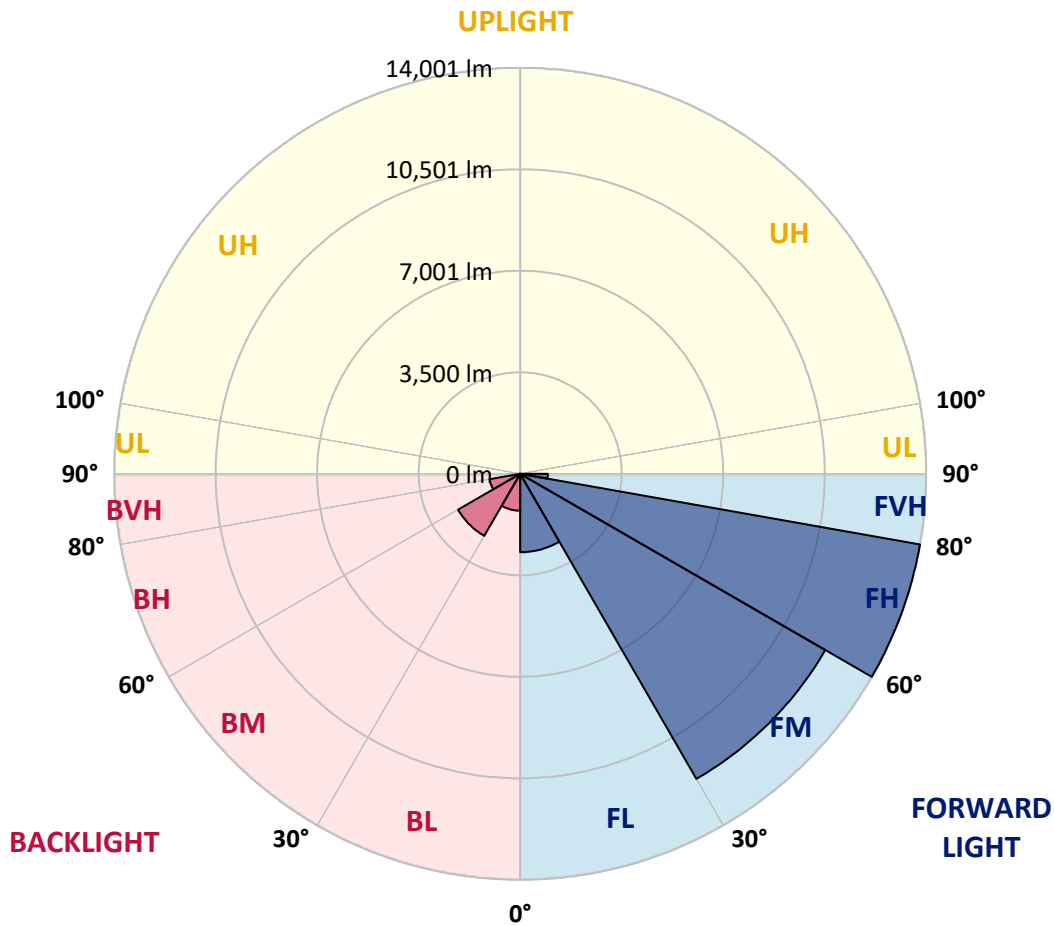
CATALOG NUMBER: GALN-SB6C-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2703.4	7.8			
FM (30°-60°)	12147.9	35.0			
FH (60°-80°)	14001.1	40.4			G5
FVH (80°-90°)	953.8	2.8			G5
BL (0°-30°)	1272.3	3.7	B3/2500		
BM (30°-60°)	2471.7	7.1	B2/2500		
BH (60°-80°)	1071.8	3.1	B3/2500		G3/2500
BVH (80°-90°)	38.1	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: P952758

CATALOG NUMBER: GALN-SB6C-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3
2.5°	5422.5	5329.4	5274.5	5138.4	5002.3	4892.4	4744.4	4646.5	4529.5	4417.3
5°	6043.3	5892.9	5711.4	5463.1	5236.3	5004.6	4780.2	4558.1	4324.1	4109.3
7.5°	6568.6	6351.3	6031.4	5701.9	5412.9	5133.6	4870.9	4577.2	4293.1	3956.4
10°	6969.7	6692.8	6272.5	5840.3	5508.5	5226.7	4971.2	4722.9	4436.4	4030.5
12.5°	7213.3	6917.2	6418.2	5912.0	5532.3	5217.2	5019.0	4909.1	4796.9	4393.4
15°	7392.4	7072.4	6520.8	5962.1	5477.4	5090.6	4945.0	5054.8	5183.7	4925.8
17.5°	7578.6	7241.9	6654.6	5983.6	5329.4	4844.7	4782.6	5066.7	5365.2	5353.3
20°	7755.3	7421.0	6771.6	5969.3	5090.6	4546.2	4601.1	4964.1	5310.3	5455.9
22.5°	7958.2	7604.9	6883.8	5914.4	4780.2	4266.8	4438.8	4801.7	5104.9	5276.8
25°	8206.6	7836.5	7041.4	5833.2	4445.9	4035.2	4274.0	4613.1	4859.0	4978.4
27.5°	8474.0	8113.4	7251.5	5790.2	4176.1	3870.5	4087.8	4388.6	4608.3	4691.9
30°	8805.9	8435.8	7499.8	5742.4	3999.4	3775.0	3894.4	4128.4	4343.2	4426.8
32.5°	9168.8	8793.9	7738.6	5627.8	3892.0	3703.3	3705.7	3853.8	4049.6	4149.8
35°	9622.5	9223.7	7994.1	5377.1	3806.0	3619.8	3521.9	3593.5	3755.9	3875.3
37.5°	10269.5	9787.2	8306.8	5019.0	3679.5	3490.8	3328.5	3345.2	3469.3	3600.7
40°	11162.6	10544.1	8674.6	4646.5	3498.0	3309.4	3116.0	3108.8	3199.5	3328.5
42.5°	12370.7	11544.6	9116.3	4290.7	3323.7	3089.7	2891.5	2879.6	2951.2	3063.4
45°	13965.7	12824.4	9658.3	3985.1	3187.6	2874.8	2679.0	2674.2	2733.9	2831.8
47.5°	16007.2	14603.2	10200.3	3777.4	3116.0	2705.3	2504.7	2514.3	2566.8	2655.1
50°	18650.4	16921.7	10365.1	3672.3	3116.0	2614.5	2349.5	2397.3	2440.2	2507.1
52.5°	21818.9	19147.1	9820.7	3576.8	3135.1	2626.5	2218.2	2320.9	2351.9	2409.2
55°	24755.8	20238.2	8442.9	3445.5	3139.8	2700.5	2106.0	2258.8	2316.1	2337.6
57.5°	26460.6	19863.4	6826.5	3223.4	3120.7	2750.6	2034.3	2182.4	2292.2	2306.5
60°	26135.9	18547.7	5026.1	3053.9	2979.9	2731.5	2012.8	2065.4	2239.7	2261.2
62.5°	23633.6	16341.5	3488.4	2922.6	2669.5	2648.0	2005.7	1881.5	2125.1	2177.6
65°	18996.6	12865.0	2464.1	2516.6	2340.0	2466.5	1967.5	1690.5	1986.6	2058.2
67.5°	13781.9	8705.6	1778.8	2039.1	2120.3	2172.8	1881.5	1552.0	1829.0	1924.5
70°	8844.1	4701.4	1248.8	1346.7	1786.0	1845.7	1733.5	1427.9	1669.0	1778.8
72.5°	6286.8	2776.9	897.8	943.1	1435.0	1537.7	1525.7	1289.4	1482.8	1616.5
75°	4338.5	1530.5	606.5	673.3	1041.0	1248.8	1177.1	1107.9	1255.9	1392.0
77.5°	2719.6	685.3	362.9	468.0	682.9	981.3	807.0	857.2	979.0	1105.5
80°	1513.8	265.0	203.0	310.4	372.5	713.9	446.5	551.6	721.1	811.8
82.5°	329.5	33.4	90.7	133.7	145.7	415.5	236.4	320.0	453.7	446.5
85°	0.0	0.0	16.7	19.1	9.6	179.1	86.0	105.1	148.0	138.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952758
 CATALOG NUMBER: GALN-SB6C-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4799.3	0°	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3
4317.0	2.5°	4297.9	4180.9	4094.9	4051.9	4016.1	4049.6	4068.7	4068.7	4149.8	4197.6
3977.9	5°	3894.4	3684.2	3524.3	3416.8	3352.3	3373.8	3397.7	3424.0	3526.7	3595.9
3777.4	7.5°	3615.0	3292.7	3049.1	2898.7	2819.9	2831.8	2848.5	2870.0	2970.3	3039.6
3806.0	10°	3562.5	3099.3	2755.4	2557.2	2461.7	2445.0	2435.5	2428.3	2488.0	2540.5
4130.7	12.5°	3777.4	3108.8	2628.9	2387.7	2270.7	2220.6	2163.3	2117.9	2127.5	2160.9
4622.6	15°	4161.8	3230.6	2588.3	2299.4	2153.7	2070.1	2003.3	1948.4	1936.4	1948.4
5052.4	17.5°	4601.1	3395.3	2583.5	2223.0	2041.5	1955.5	1900.6	1850.5	1833.8	1836.2
5293.6	20°	4892.4	3526.7	2569.2	2137.0	1934.0	1857.6	1809.9	1759.7	1743.0	1747.8
5226.7	22.5°	4921.1	3595.9	2547.7	2041.5	1826.6	1762.1	1714.4	1669.0	1666.6	1666.6
4976.0	25°	4765.9	3595.9	2502.3	1955.5	1723.9	1666.6	1623.6	1568.7	1578.3	1583.1
4691.9	27.5°	4524.7	3509.9	2416.4	1886.3	1635.6	1575.9	1532.9	1482.8	1494.7	1501.9
4426.8	30°	4285.9	3400.1	2313.7	1807.5	1552.0	1482.8	1451.7	1408.8	1413.5	1423.1
4164.2	32.5°	4063.9	3283.1	2191.9	1743.0	1468.4	1399.2	1375.3	1327.6	1334.7	1344.3
3906.3	35°	3844.2	3154.2	2048.7	1666.6	1392.0	1322.8	1303.7	1248.8	1253.5	1267.9
3648.4	37.5°	3607.8	3018.1	1931.7	1590.2	1318.0	1246.4	1227.3	1170.0	1174.8	1191.5
3381.0	40°	3359.5	2884.4	1817.0	1509.0	1239.2	1167.6	1150.9	1088.8	1093.6	1112.7
3118.4	42.5°	3108.8	2738.7	1728.7	1404.0	1158.0	1081.6	1064.9	1007.6	1014.8	1036.3
2889.1	45°	2877.2	2564.4	1671.4	1287.0	1081.6	995.7	979.0	926.4	940.8	964.6
2695.7	47.5°	2679.0	2385.3	1647.5	1189.1	1000.5	907.3	893.0	850.0	873.9	900.2
2531.0	50°	2509.5	2213.4	1616.5	1088.8	924.0	830.9	816.6	787.9	819.0	845.3
2418.8	52.5°	2387.7	2017.6	1549.6	998.1	857.2	766.5	761.7	747.4	776.0	799.9
2335.2	55°	2282.7	1814.7	1442.2	919.3	797.5	711.5	716.3	709.2	733.0	752.1
2285.0	57.5°	2187.1	1638.0	1306.1	857.2	733.0	663.8	678.1	668.6	680.5	692.4
2232.5	60°	2072.5	1458.9	1143.7	787.9	656.6	616.0	632.7	606.5	604.1	608.9
2137.0	62.5°	1903.0	1217.7	974.2	702.0	589.8	563.5	570.7	520.5	482.3	482.3
1996.1	65°	1666.6	979.0	816.6	606.5	513.4	491.9	487.1	415.5	362.9	358.2
1843.3	67.5°	1392.0	804.7	678.1	511.0	427.4	413.1	417.8	365.3	312.8	308.0
1690.5	70°	1134.2	666.2	546.8	408.3	329.5	343.8	365.3	312.8	262.6	255.5
1511.4	72.5°	921.7	530.1	427.4	312.8	243.5	284.1	310.4	255.5	207.7	203.0
1289.4	75°	711.5	389.2	305.6	212.5	176.7	219.7	243.5	186.2	148.0	140.9
998.1	77.5°	475.2	241.2	171.9	133.7	105.1	150.4	162.4	97.9	86.0	83.6
725.9	80°	288.9	112.2	74.0	64.5	35.8	54.9	64.5	40.6	45.4	47.8
386.8	82.5°	145.7	31.0	11.9	2.4	0.0	0.0	19.1	9.6	19.1	23.9
105.1	85°	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	11.9
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: P952758
 CATALOG NUMBER: GALN-SB6C-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4799.3	0°	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3
4216.7	2.5°	4350.4	4450.7	4546.2	4699.0	4856.6	5011.8	5169.4	5322.2	5377.1	5417.7
3641.3	5°	3849.0	4037.6	4257.3	4560.5	4885.3	5219.5	5558.6	5869.0	6009.9	6105.4
3099.3	7.5°	3330.9	3576.8	3892.0	4348.0	4856.6	5389.1	5921.5	6411.0	6637.8	6821.7
2588.3	10°	2817.5	3084.9	3483.7	4004.2	4691.9	5455.9	6191.3	6864.7	7158.4	7390.0
2220.6	12.5°	2366.2	2616.9	3034.8	3610.2	4434.0	5403.4	6346.5	7156.0	7502.2	7762.5
1957.9	15°	2048.7	2225.3	2595.4	3216.2	4128.4	5233.9	6356.1	7294.5	7674.1	7946.3
1848.1	17.5°	1872.0	1931.7	2172.8	2815.1	3789.3	5011.8	6267.7	7342.2	7748.1	8001.2
1750.2	20°	1776.5	1786.0	1852.9	2294.6	3354.7	4804.1	6184.2	7390.0	7817.4	8029.9
1680.9	22.5°	1700.1	1700.1	1716.8	1876.7	2793.6	4555.8	6157.9	7473.5	7912.9	8044.2
1602.2	25°	1630.8	1630.8	1635.6	1678.6	2213.4	4176.1	6141.2	7602.5	8044.2	8080.0
1523.4	27.5°	1559.2	1561.6	1561.6	1585.4	1783.6	3660.4	6069.6	7769.6	8201.8	8127.8
1447.0	30°	1487.5	1492.3	1492.3	1509.0	1578.3	3056.3	5928.7	7970.2	8407.1	8189.9
1370.5	32.5°	1415.9	1420.7	1420.7	1435.0	1485.2	2440.2	5752.0	8154.0	8614.9	8216.1
1296.5	35°	1341.9	1349.1	1344.3	1363.4	1415.9	1941.2	5527.6	8337.9	8839.3	8299.7
1224.9	37.5°	1267.9	1272.7	1270.3	1289.4	1349.1	1676.2	5267.3	8476.4	9144.9	8485.9
1148.5	40°	1193.9	1191.5	1191.5	1213.0	1277.4	1599.8	4940.2	8696.0	9584.3	8813.0
1072.1	42.5°	1117.4	1117.4	1112.7	1136.6	1215.3	1542.5	4627.4	9090.0	10224.2	9333.6
1000.5	45°	1048.2	1045.8	1036.3	1057.8	1155.7	1442.2	4517.6	9825.4	11169.7	10176.4
928.8	47.5°	981.3	979.0	955.1	974.2	1084.0	1351.4	4928.2	11028.8	12480.6	11415.7
871.5	50°	921.7	924.0	878.7	895.4	1012.4	1282.2	5818.9	12590.4	14221.2	13084.7
823.8	52.5°	866.7	866.7	807.0	816.6	924.0	1220.1	6666.5	14283.3	16518.2	15412.7
773.6	55°	811.8	807.0	740.2	745.0	835.7	1131.8	6793.0	15935.6	19650.9	18915.5
718.7	57.5°	749.7	740.2	678.1	678.1	754.5	1067.3	5888.1	17205.9	23538.1	24063.4
616.0	60°	673.3	666.2	625.6	613.6	690.0	1124.6	4154.6	17353.9	26045.2	30908.9
489.5	62.5°	575.4	585.0	563.5	546.8	628.0	1167.6	2461.7	16162.4	25438.7	33086.5
379.6	65°	453.7	491.9	487.1	475.2	690.0	983.7	1454.1	13875.0	23578.7	31329.2
331.9	67.5°	386.8	413.1	405.9	405.9	723.5	747.4	914.5	10840.2	21019.0	29244.7
277.0	70°	329.5	355.8	329.5	329.5	546.8	453.7	632.7	7569.0	18256.4	26938.2
222.1	72.5°	272.2	298.5	269.8	250.7	437.0	339.1	463.2	4730.1	15634.7	24536.1
157.6	75°	207.7	238.8	217.3	193.4	288.9	253.1	351.0	2748.3	12953.3	20992.8
95.5	77.5°	131.3	171.9	162.4	136.1	212.5	183.9	253.1	1635.6	9995.0	16403.6
57.3	80°	81.2	88.3	90.7	86.0	121.8	124.2	171.9	931.2	6840.8	11432.4
35.8	82.5°	52.5	52.5	40.6	45.4	59.7	71.6	97.9	351.0	4020.9	6960.2
21.5	85°	38.2	33.4	21.5	21.5	28.7	35.8	38.2	107.4	1630.8	2748.3
9.6	87.5°	19.1	16.7	7.2	9.6	14.3	11.9	9.6	4.8	410.7	878.7
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: P952758
 CATALOG NUMBER: GALN-SB6C-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4799.3	0°	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3	4799.3
5508.5	2.5°	5556.2	5630.2	5635.0	5635.0	5570.5	5568.1	5436.8	5422.5
6320.3	5°	6542.3	6590.1	6602.0	6578.1	6449.2	6353.7	6098.2	6043.3
7148.8	7.5°	7444.9	7540.4	7540.4	7483.1	7273.0	7077.2	6707.1	6568.6
7834.1	10°	8166.0	8275.8	8251.9	8134.9	7869.9	7600.1	7151.2	6969.7
8249.5	12.5°	8517.0	8629.2	8567.1	8433.4	8175.5	7891.4	7418.6	7213.3
8368.9	15°	8509.8	8478.8	8414.3	8397.6	8273.4	8058.5	7616.8	7392.4
8294.9	17.5°	8206.6	7943.9	7893.8	8060.9	8218.5	8166.0	7788.7	7578.6
8118.2	20°	7726.6	7268.2	7222.8	7542.8	7991.7	8220.9	7948.7	7755.3
7862.7	22.5°	7220.4	6726.2	6621.1	6974.5	7650.2	8237.6	8151.6	7958.2
7581.0	25°	6740.5	6243.9	6138.8	6468.3	7270.6	8209.0	8371.3	8206.6
7311.2	27.5°	6339.4	5859.4	5761.5	6091.1	6905.3	8127.8	8591.0	8474.0
7043.8	30°	6029.0	5584.9	5513.2	5830.8	6590.1	8027.5	8870.3	8805.9
6795.4	32.5°	5847.5	5522.8	5549.0	5809.3	6420.6	7917.7	9137.8	9168.8
6673.7	35°	6026.6	6040.9	6270.1	6377.6	6578.1	7900.9	9500.7	9622.5
6819.3	37.5°	6917.2	7413.8	7889.0	7800.7	7349.4	8094.3	10042.7	10269.5
7454.4	40°	8433.4	9453.0	10224.2	9887.5	8751.0	8686.5	10823.5	11162.6
8581.4	42.5°	10286.3	12015.0	13285.2	12382.7	10558.5	9722.8	11938.6	12370.7
9944.8	45°	12241.8	15173.9	17174.8	15298.1	12485.3	11174.5	13626.7	13965.7
11222.2	47.5°	14302.4	19013.4	21601.6	18531.0	14271.4	12826.8	15928.4	16007.2
12432.8	50°	16556.4	23222.9	26114.4	21761.6	15995.3	14720.2	18741.2	18650.4
13844.0	52.5°	18702.9	27551.8	30531.7	25006.5	17509.1	17069.8	22005.2	21818.9
15773.2	55°	20751.6	31878.3	34975.2	28124.9	18936.9	20173.8	25882.8	24755.8
18554.9	57.5°	23127.4	35767.9	39554.8	31257.5	20933.1	24204.2	30218.9	26460.6
23881.9	60°	26639.7	40187.6	44733.8	35550.6	24729.5	28440.0	31773.3	26135.9
30261.9	62.5°	31123.8	44251.5	48499.2	39757.8	28542.7	29237.5	29483.5	23633.6
28960.6	65°	31995.3	45280.6	48711.7	40882.4	28050.8	24801.2	24070.5	18996.6
25868.5	67.5°	29684.0	43420.5	45741.4	38788.4	24813.1	19166.2	18063.0	13781.9
23838.9	70°	27091.0	39874.8	40564.8	35228.3	21823.7	14097.1	12198.8	8844.1
22449.3	72.5°	24433.5	35144.7	33716.9	30593.8	19180.5	10264.8	8798.7	6286.8
20469.9	75°	21276.9	28924.7	26558.5	25419.6	15880.7	8056.1	6365.6	4338.5
17607.0	77.5°	17038.7	20360.0	19727.3	19703.4	11933.8	5885.7	4247.7	2719.6
13755.6	80°	12019.7	13213.6	12891.3	14839.6	8006.0	4269.2	2557.2	1513.8
9574.7	82.5°	5818.9	7306.4	7499.8	8836.9	3894.4	2511.9	589.8	329.5
3743.9	85°	2277.9	3524.3	2972.7	3354.7	1093.6	699.6	14.3	0.0
616.0	87.5°	255.5	408.3	374.9	296.1	133.7	28.7	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)