Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P956602

Luminaire Tested: **GALN-SB9A-950-U-SLR**

Issue Date: 1/21/2025

Report Generated By 670246001

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

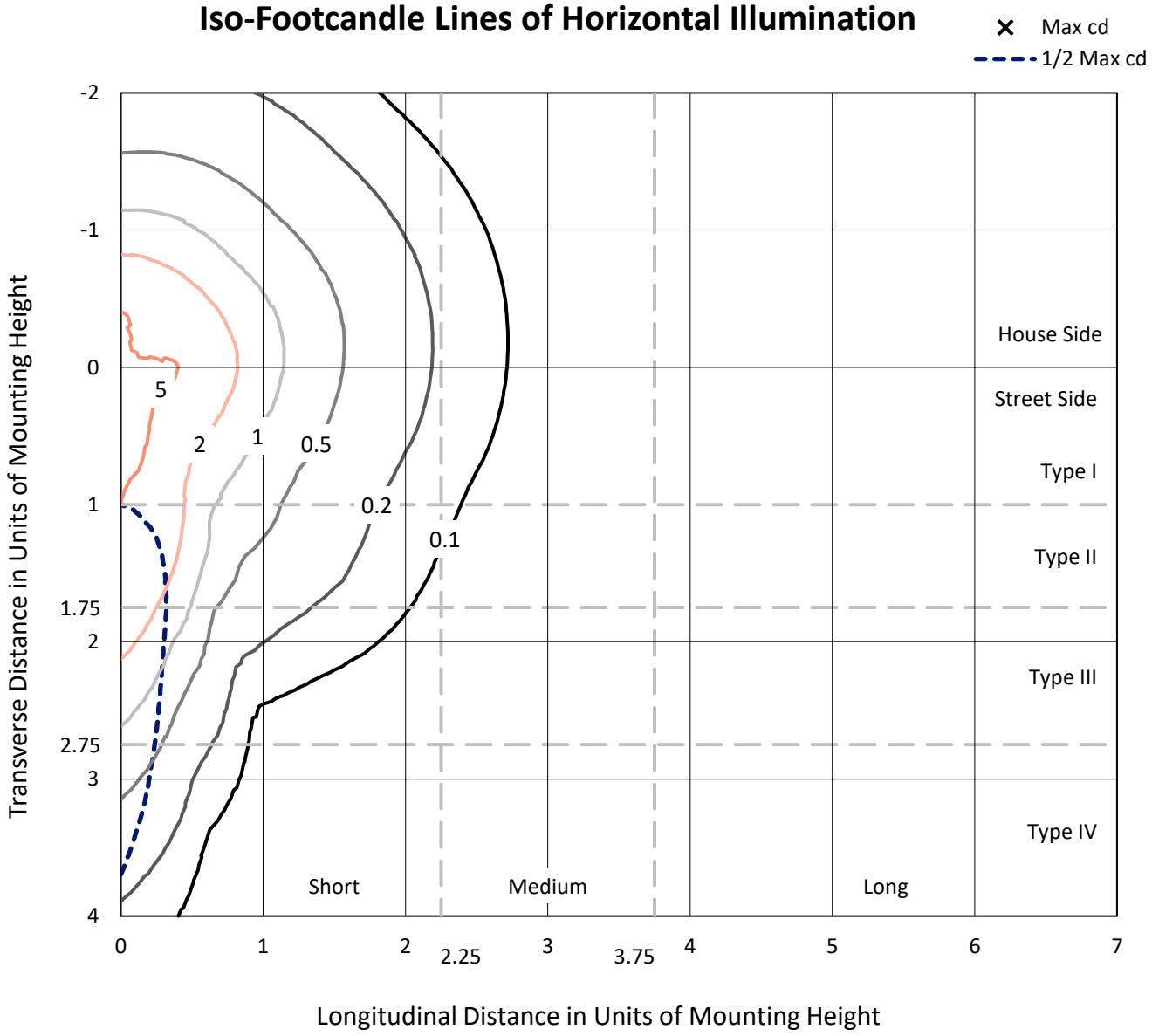
Test Method:	LM-79-08
Report Number:	P956602
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB9A-950-U-SLR
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(9) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28321 lumens
Efficiency:	N/A
Efficacy:	110.8 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):	255.5
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: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

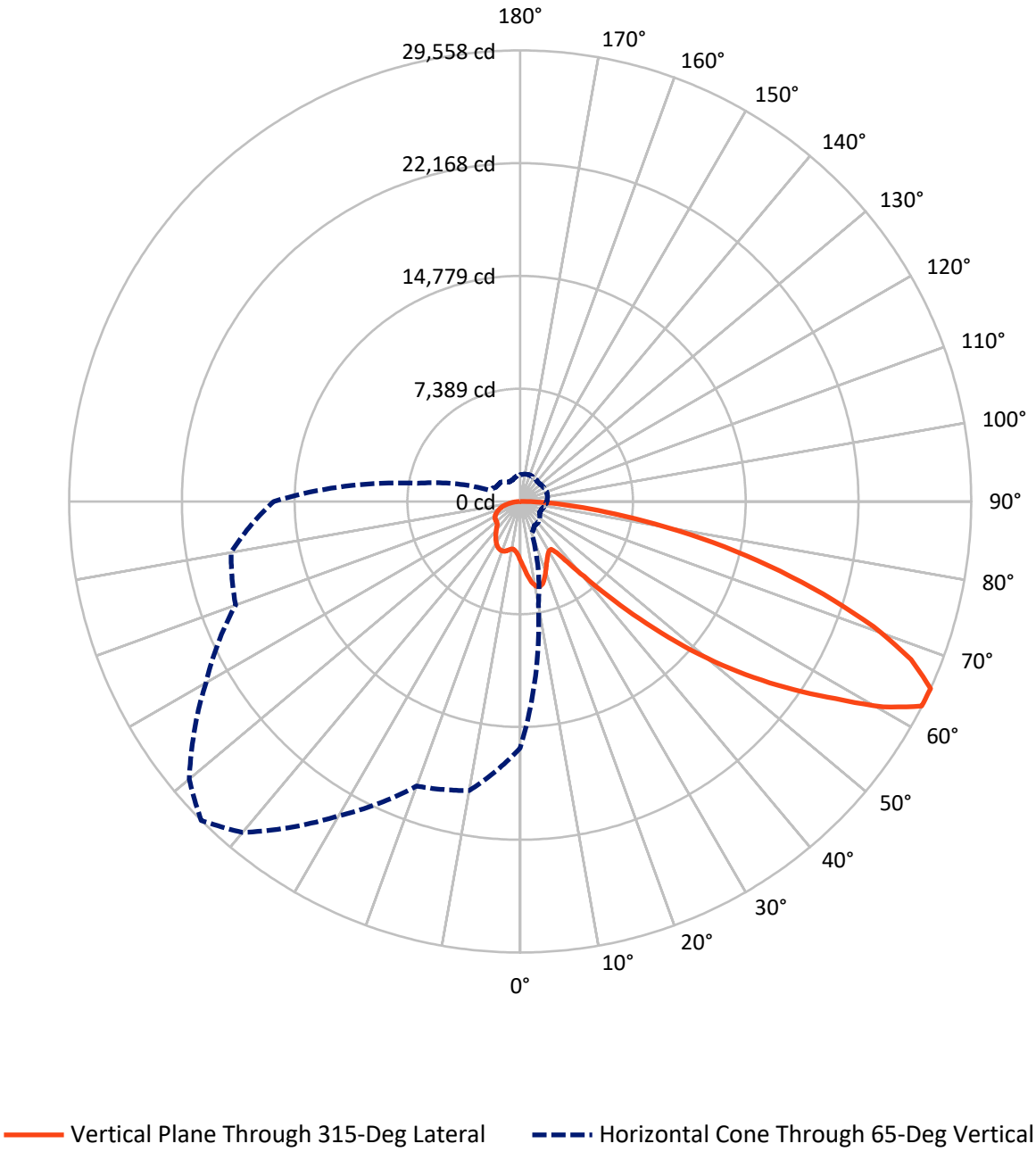
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type IV - Short - N/A

REPORT NUMBER: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

Luminous Intensity Polar Plot



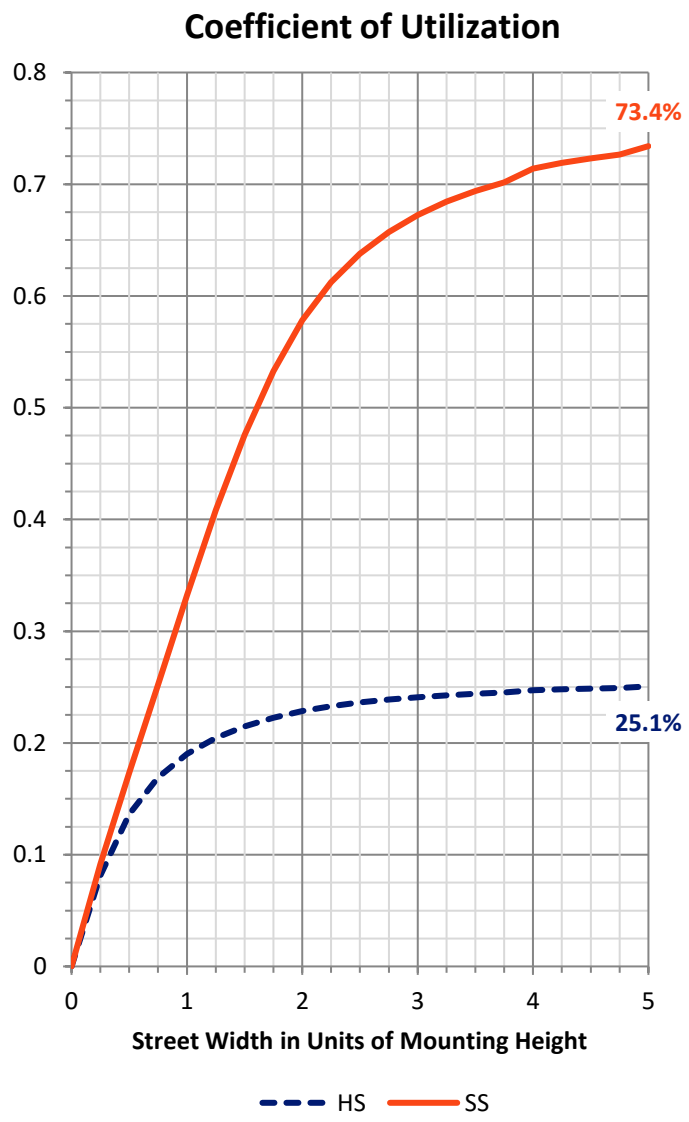
REPORT NUMBER: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7197.8	0.0	7197.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	21123.2	0.0	21123.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	28321.0	0.0	28321.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.3	1.4
10°-20°	1212.7	4.3
20°-30°	1873.3	6.6
30°-40°	2373.9	8.4
40°-50°	3580.4	12.6
50°-60°	5784.7	20.4
60°-70°	7211.6	25.5
70°-80°	4729.0	16.7
80°-90°	1169.1	4.1
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°	28321.0	100.0
0°-180°	28321.0	100.0

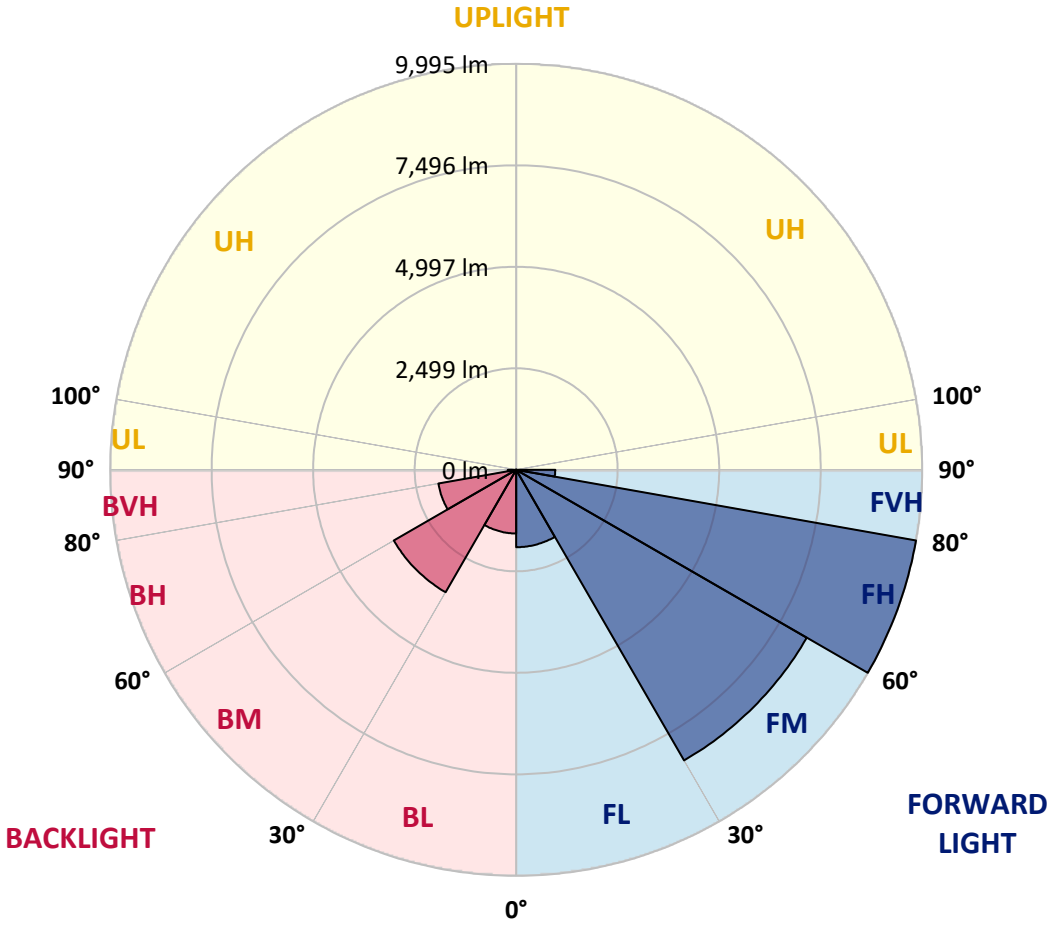


REPORT NUMBER: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1904.9	6.7			
FM	(30°-60°)	8260.6	29.2			
FH	(60°-80°)	9994.6	35.3			G4/12000
FVH	(80°-90°)	963.1	3.4			G5
BL	(0°-30°)	1567.4	5.5	B3/2500		
BM	(30°-60°)	3478.4	12.3	B3/5000		
BH	(60°-80°)	1945.9	6.9	B3/2500		G3/2500
BVH	(80°-90°)	206.0	0.7			G2/225
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: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
2.5°	4188.0	4155.9	4123.8	4089.5	4055.5	4021.1	3986.7	3953.9	3921.0	3889.2
5°	4503.3	4432.4	4361.4	4290.5	4219.9	4148.6	4077.4	4010.9	3944.4	3881.7
7.5°	4820.2	4703.0	4586.0	4477.8	4369.6	4264.2	4158.9	4066.1	3973.3	3887.7
10°	5063.0	4914.9	4766.8	4623.8	4480.9	4353.0	4224.9	4115.3	4005.3	3899.6
12.5°	5211.7	5048.9	4886.4	4724.4	4562.4	4411.4	4260.5	4136.3	4012.1	3901.1
15°	5302.1	5132.5	4962.9	4787.1	4611.4	4437.6	4263.8	4120.0	3976.3	3853.3
17.5°	5352.9	5180.9	5008.9	4817.2	4625.4	4423.7	4222.0	4049.1	3876.1	3731.5
20°	5408.9	5230.2	5051.3	4840.6	4629.9	4385.4	4141.0	3926.7	3712.4	3543.9
22.5°	5474.0	5291.3	5108.6	4872.3	4635.9	4338.5	4041.1	3783.0	3525.0	3333.2
25°	5557.6	5378.6	5199.7	4929.7	4659.5	4292.2	3925.0	3622.7	3320.5	3124.0
27.5°	5671.2	5500.6	5329.7	5019.4	4708.8	4261.3	3813.7	3476.1	3138.5	2959.6
30°	5824.4	5659.4	5494.6	5135.5	4776.4	4246.8	3716.8	3353.6	2990.3	2840.1
32.5°	6005.2	5841.9	5678.7	5256.7	4834.7	4228.8	3622.7	3247.9	2873.0	2751.9
35°	6224.9	6068.6	5912.1	5394.7	4877.4	4195.1	3513.0	3144.0	2775.1	2674.2
37.5°	6594.7	6395.4	6196.0	5549.4	4902.8	4137.2	3371.6	3021.8	2672.0	2583.8
40°	7153.6	6863.1	6572.6	5745.8	4918.8	4057.6	3196.5	2876.0	2555.4	2475.5
42.5°	7894.9	7475.5	7056.2	6002.7	4949.1	3975.4	3001.9	2715.0	2428.1	2354.4
45°	8810.2	8244.6	7678.9	6340.7	5002.5	3899.0	2795.7	2544.1	2292.4	2217.7
47.5°	9954.9	9158.8	8362.6	6700.8	5039.1	3836.0	2632.8	2408.8	2184.8	2088.4
50°	11455.2	10255.1	9054.8	7035.0	5015.2	3767.2	2519.2	2319.0	2118.7	1992.0
52.5°	13177.5	11406.7	9635.8	7252.0	4868.0	3651.1	2434.4	2259.8	2085.4	1939.7
55°	15011.2	12427.6	9844.3	7204.2	4563.9	3458.6	2353.4	2216.9	2080.5	1944.9
57.5°	16678.9	13151.2	9623.6	6867.6	4111.8	3187.2	2262.5	2166.1	2069.7	1950.2
60°	17686.9	13332.1	8977.1	6241.3	3505.5	2834.9	2164.2	2088.4	2012.6	1933.7
62.5°	17175.0	12570.7	7966.3	5394.5	2822.6	2413.1	2003.7	1953.3	1903.1	1893.4
65°	*16150.6*	*11493.4*	*6836.1*	*4530.4*	*2224.8*	*2033.7*	*1842.6*	*1818.8*	*1795.1*	*1796.3*
67.5°	14778.0	10211.3	5644.6	3684.0	1723.3	1669.1	1614.7	1628.0	1641.1	1637.9
70°	13129.0	8812.4	4495.9	2900.6	1305.4	1320.9	1336.3	1397.9	1459.3	1459.3
72.5°	11163.8	7295.9	3428.1	2217.5	1006.9	1053.7	1100.6	1187.9	1275.0	1289.7
75°	8677.9	5557.5	2437.1	1609.5	781.9	824.3	866.7	964.5	1062.2	1129.8
77.5°	6200.2	3889.7	1579.3	1090.6	601.9	630.8	659.8	754.7	849.6	960.9
80°	4058.0	2506.1	954.2	702.7	451.3	463.3	475.2	555.6	635.9	768.9
82.5°	2358.9	1450.5	542.2	432.2	322.5	324.6	327.0	386.2	445.3	558.9
85°	1037.9	652.5	267.2	231.0	195.0	194.0	192.8	236.1	279.5	363.9
87.5°	321.3	213.7	106.1	95.8	85.5	84.4	83.4	101.0	118.8	153.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
3853.7	2.5°	3825.0	3796.5	3770.6	3744.9	3722.4	3699.8	3677.1	3654.5	3637.0	3619.4
3819.7	5°	3765.6	3711.3	3665.9	3620.6	3580.6	3540.5	3504.2	3467.7	3439.8	3411.7
3807.4	7.5°	3735.4	3663.5	3603.7	3543.9	3493.6	3443.1	3398.5	3354.2	3320.8	3287.7
3813.4	10°	3737.5	3661.6	3601.8	3542.0	3487.8	3433.4	3383.3	3333.2	3293.5	3253.6
3820.9	12.5°	3758.7	3696.8	3657.1	3617.6	3574.9	3532.4	3480.6	3428.9	3378.1	3327.3
3789.0	15°	3759.3	3729.7	3735.1	3740.5	3729.4	3718.3	3673.4	3628.4	3556.1	3483.7
3691.9	17.5°	3702.8	3713.6	3778.7	3843.9	3878.5	3913.1	3876.7	3840.6	3744.8	3649.0
3533.5	20°	3584.3	3635.1	3748.2	3861.5	3934.0	4006.5	3989.7	3972.8	3863.3	3753.9
3353.7	22.5°	3428.9	3504.0	3633.2	3762.6	3856.9	3951.2	3961.3	3971.3	3866.7	3762.1
3179.3	25°	3266.0	3352.7	3468.8	3585.0	3677.8	3770.6	3805.3	3839.8	3754.1	3668.4
3026.9	27.5°	3110.6	3194.3	3289.8	3385.1	3459.5	3533.9	3572.5	3611.2	3550.1	3489.1
2892.8	30°	2959.2	3025.8	3105.0	3184.2	3246.0	3307.8	3339.2	3370.6	3324.1	3277.5
2775.4	32.5°	2814.7	2854.0	2917.2	2980.6	3039.7	3099.1	3133.9	3168.9	3126.1	3083.2
2664.5	35°	2675.3	2686.2	2734.4	2782.6	2841.1	2899.9	2941.7	2983.6	2953.1	2922.7
2548.2	37.5°	2536.3	2524.3	2559.0	2593.5	2651.9	2710.5	2762.2	2813.9	2799.9	2785.8
2420.9	40°	2393.9	2366.8	2391.8	2416.7	2473.2	2529.7	2589.2	2648.8	2652.2	2655.5
2285.7	42.5°	2249.8	2213.9	2234.3	2254.7	2308.2	2361.9	2426.1	2490.4	2507.6	2524.8
2151.2	45°	2116.2	2081.4	2098.4	2115.8	2166.6	2217.4	2284.0	2350.7	2375.3	2400.0
2031.2	47.5°	2001.9	1972.6	1988.7	2004.7	2054.5	2104.1	2169.9	2235.6	2264.0	2292.4
1925.5	50°	1899.5	1873.7	1898.8	1924.0	1971.0	2017.7	2076.6	2135.5	2171.9	2208.4
1846.8	52.5°	1821.1	1795.5	1833.3	1871.0	1914.0	1956.9	2011.7	2066.7	2109.9	2153.1
1804.9	55°	1764.3	1723.8	1777.4	1830.9	1877.3	1923.6	1971.7	2019.7	2065.4	2111.3
1779.8	57.5°	1720.6	1661.5	1719.1	1776.8	1831.2	1885.6	1933.1	1980.8	2027.0	2073.0
1756.2	60°	1679.5	1602.7	1653.4	1703.9	1766.4	1828.8	1877.1	1925.5	1971.8	2018.2
1728.7	62.5°	1632.8	1537.0	1569.1	1601.2	1674.0	1746.9	1798.5	1850.1	1892.5	1934.9
1670.7	65°	*1568.8*	*1466.7*	*1479.1*	*1491.4*	*1569.4*	*1647.6*	*1696.9*	*1746.2*	*1783.6*	*1820.9*
1567.3	67.5°	1482.4	1397.6	1393.7	1389.8	1461.8	1534.0	1580.8	1627.4	1659.7	1691.9
1436.1	70°	1375.7	1315.4	1301.9	1288.5	1351.8	1415.2	1455.5	1495.9	1525.0	1554.2
1290.0	72.5°	1248.6	1207.2	1187.4	1167.9	1217.8	1267.5	1304.0	1340.5	1369.0	1397.6
1124.1	75°	1092.2	1060.3	1041.4	1022.5	1059.5	1096.6	1129.6	1162.6	1188.6	1214.6
957.9	77.5°	932.4	906.8	887.7	868.5	898.7	928.8	957.2	985.6	1012.9	1040.1
768.4	80°	747.0	725.5	709.5	693.4	718.5	743.5	767.4	791.3	812.1	832.7
565.2	82.5°	554.7	544.3	532.9	521.5	519.5	517.4	509.0	500.6	544.9	589.1
372.1	85°	360.9	349.7	337.0	324.3	313.5	302.6	279.5	256.3	297.7	339.2
164.4	87.5°	159.9	155.4	153.0	150.6	150.2	149.7	132.1	114.3	131.7	149.1
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: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
3605.2	2.5°	3591.0	3580.0	3568.9	3558.7	3548.4	3535.7	3548.4	3558.7	3568.9	3580.0
3392.1	5°	3372.5	3358.6	3344.7	3334.1	3323.5	3313.1	3323.5	3334.1	3344.7	3358.6
3264.3	7.5°	3241.0	3225.0	3209.2	3199.6	3190.2	3183.1	3190.2	3199.6	3209.2	3225.0
3227.6	10°	3201.3	3186.2	3171.1	3163.0	3155.0	3151.7	3155.0	3163.0	3171.1	3186.2
3293.6	12.5°	3260.0	3243.1	3226.4	3219.5	3212.6	3211.4	3212.6	3219.5	3226.4	3243.1
3432.6	15°	3381.5	3358.0	3334.7	3325.8	3316.8	3316.1	3316.8	3325.8	3334.7	3358.0
3573.7	17.5°	3498.4	3463.7	3428.9	3417.5	3406.0	3404.2	3406.0	3417.5	3428.9	3463.7
3661.6	20°	3569.4	3525.0	3480.4	3466.2	3452.0	3447.6	3452.0	3466.2	3480.4	3525.0
3667.1	22.5°	3571.9	3525.1	3478.2	3462.5	3446.8	3440.1	3446.8	3462.5	3478.2	3525.1
3583.8	25°	3499.6	3458.9	3418.4	3403.6	3389.0	3380.3	3389.0	3403.6	3418.4	3458.9
3423.5	27.5°	3357.9	3330.7	3303.4	3296.6	3289.9	3287.7	3289.9	3296.6	3303.4	3330.7
3230.6	30°	3183.4	3169.5	3155.4	3155.4	3155.4	3157.6	3155.4	3155.4	3155.4	3169.5
3045.7	32.5°	3008.2	2999.1	2990.0	2991.2	2992.5	2994.8	2992.5	2991.2	2990.0	2999.1
2888.1	35°	2853.5	2839.6	2825.9	2822.9	2819.9	2818.4	2819.9	2822.9	2825.9	2839.6
2754.0	37.5°	2722.0	2696.8	2671.7	2658.4	2645.1	2637.6	2645.1	2658.4	2671.7	2696.8
2628.5	40°	2601.4	2564.7	2528.2	2503.4	2478.9	2464.2	2478.9	2503.4	2528.2	2564.7
2501.9	42.5°	2479.2	2433.6	2388.0	2352.0	2316.0	2292.4	2316.0	2352.0	2388.0	2433.6
2379.4	45°	2358.9	2306.7	2254.7	2212.4	2170.2	2143.0	2170.2	2212.4	2254.7	2306.7
2278.0	47.5°	2263.7	2217.4	2171.1	2131.9	2092.9	2066.7	2092.9	2131.9	2171.1	2217.4
2207.5	50°	2206.9	2169.9	2132.8	2096.6	2060.5	2035.4	2060.5	2096.6	2132.8	2169.9
2160.9	52.5°	2168.7	2138.5	2108.3	2075.9	2043.6	2020.4	2043.6	2075.9	2108.3	2138.5
2122.0	55°	2132.8	2106.5	2080.2	2051.8	2023.4	2002.5	2023.4	2051.8	2080.2	2106.5
2083.9	57.5°	2094.8	2068.2	2041.6	2013.5	1985.3	1963.6	1985.3	2013.5	2041.6	2068.2
2030.1	60°	2042.1	2016.1	1990.2	1961.2	1932.2	1909.8	1932.2	1961.2	1990.2	2016.1
1946.4	62.5°	1958.0	1934.5	1911.0	1880.5	1850.1	1823.2	1850.1	1880.5	1911.0	1934.5
1832.7	65°	*1844.4*	*1821.8*	*1799.2*	*1769.7*	*1740.2*	*1717.1*	*1740.2*	*1769.7*	*1799.2*	*1821.8*
1703.5	67.5°	1714.8	1694.0	1673.4	1645.9	1618.4	1597.5	1618.4	1645.9	1673.4	1694.0
1565.2	70°	1576.3	1559.4	1542.5	1516.2	1489.9	1466.0	1489.9	1516.2	1542.5	1559.4
1410.7	72.5°	1423.9	1409.8	1395.8	1370.7	1345.7	1322.5	1345.7	1370.7	1395.8	1409.8
1228.4	75°	1242.1	1235.3	1228.4	1207.3	1186.2	1164.1	1186.2	1207.3	1228.4	1235.3
1052.9	77.5°	1065.8	1056.2	1046.4	1025.2	1003.9	986.3	1003.9	1025.2	1046.4	1056.2
849.7	80°	866.7	862.6	858.5	830.0	801.3	768.1	801.3	830.0	858.5	862.6
618.1	82.5°	647.1	645.3	643.3	619.3	595.1	573.8	595.1	619.3	643.3	645.3
375.1	85°	411.0	408.0	405.0	386.2	367.3	348.2	367.3	386.2	405.0	408.0
163.6	87.5°	178.1	174.5	170.7	161.1	151.2	142.0	151.2	161.1	170.7	174.5
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: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
3591.0	2.5°	3605.2	3619.4	3637.0	3654.5	3677.1	3699.8	3722.4	3744.9	3770.6	3796.5
3372.5	5°	3392.1	3411.7	3439.8	3467.7	3504.2	3540.5	3580.6	3620.6	3665.9	3711.3
3241.0	7.5°	3264.3	3287.7	3320.8	3354.2	3398.5	3443.1	3493.6	3543.9	3603.7	3663.5
3201.3	10°	3227.6	3253.6	3293.5	3333.2	3383.3	3433.4	3487.8	3542.0	3601.8	3661.6
3260.0	12.5°	3293.6	3327.3	3378.1	3428.9	3480.6	3532.4	3574.9	3617.6	3657.1	3696.8
3381.5	15°	3432.6	3483.7	3556.1	3628.4	3673.4	3718.3	3729.4	3740.5	3735.1	3729.7
3498.4	17.5°	3573.7	3649.0	3744.8	3840.6	3876.7	3913.1	3878.5	3843.9	3778.7	3713.6
3569.4	20°	3661.6	3753.9	3863.3	3972.8	3989.7	4006.5	3934.0	3861.5	3748.2	3635.1
3571.9	22.5°	3667.1	3762.1	3866.7	3971.3	3961.3	3951.2	3856.9	3762.6	3633.2	3504.0
3499.6	25°	3583.8	3668.4	3754.1	3839.8	3805.3	3770.6	3677.8	3585.0	3468.8	3352.7
3357.9	27.5°	3423.5	3489.1	3550.1	3611.2	3572.5	3533.9	3459.5	3385.1	3289.8	3194.3
3183.4	30°	3230.6	3277.5	3324.1	3370.6	3339.2	3307.8	3246.0	3184.2	3105.0	3025.8
3008.2	32.5°	3045.7	3083.2	3126.1	3168.9	3133.9	3099.1	3039.7	2980.6	2917.2	2854.0
2853.5	35°	2888.1	2922.7	2953.1	2983.6	2941.7	2899.9	2841.1	2782.6	2734.4	2686.2
2722.0	37.5°	2754.0	2785.8	2799.9	2813.9	2762.2	2710.5	2651.9	2593.5	2559.0	2524.3
2601.4	40°	2628.5	2655.5	2652.2	2648.8	2589.2	2529.7	2473.2	2416.7	2391.8	2366.8
2479.2	42.5°	2501.9	2524.8	2507.6	2490.4	2426.1	2361.9	2308.2	2254.7	2234.3	2213.9
2358.9	45°	2379.4	2400.0	2375.3	2350.7	2284.0	2217.4	2166.6	2115.8	2098.4	2081.4
2263.7	47.5°	2278.0	2292.4	2264.0	2235.6	2169.9	2104.1	2054.5	2004.7	1988.7	1972.6
2206.9	50°	2207.5	2208.4	2171.9	2135.5	2076.6	2017.7	1971.0	1924.0	1898.8	1873.7
2168.7	52.5°	2160.9	2153.1	2109.9	2066.7	2011.7	1956.9	1914.0	1871.0	1833.3	1795.5
2132.8	55°	2122.0	2111.3	2065.4	2019.7	1971.7	1923.6	1877.3	1830.9	1777.4	1723.8
2094.8	57.5°	2083.9	2073.0	2027.0	1980.8	1933.1	1885.6	1831.2	1776.8	1719.1	1661.5
2042.1	60°	2030.1	2018.2	1971.8	1925.5	1877.1	1828.8	1766.4	1703.9	1653.4	1602.7
1958.0	62.5°	1946.4	1934.9	1892.5	1850.1	1798.5	1746.9	1674.0	1601.2	1569.1	1537.0
1844.4	65°	*1832.7*	*1820.9*	*1783.6*	*1746.2*	*1696.9*	*1647.6*	*1569.4*	*1491.4*	*1479.1*	*1466.7*
1714.8	67.5°	1703.5	1691.9	1659.7	1627.4	1580.8	1534.0	1461.8	1389.8	1393.7	1397.6
1576.3	70°	1565.2	1554.2	1525.0	1495.9	1455.5	1415.2	1351.8	1288.5	1301.9	1315.4
1423.9	72.5°	1410.7	1397.6	1369.0	1340.5	1304.0	1267.5	1217.8	1167.9	1187.4	1207.2
1242.1	75°	1228.4	1214.6	1188.6	1162.6	1129.6	1096.6	1059.5	1022.5	1041.4	1060.3
1065.8	77.5°	1052.9	1040.1	1012.9	985.6	957.2	928.8	898.7	868.5	887.7	906.8
866.7	80°	849.7	832.7	812.1	791.3	767.4	743.5	718.5	693.4	709.5	725.5
647.1	82.5°	618.1	589.1	544.9	500.6	509.0	517.4	519.5	521.5	532.9	544.3
411.0	85°	375.1	339.2	297.7	256.3	279.5	302.6	313.5	324.3	337.0	349.7
178.1	87.5°	163.6	149.1	131.7	114.3	132.1	149.7	150.2	150.6	153.0	155.4
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: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
3825.0	2.5°	3853.7	3889.2	3921.0	3953.9	3986.7	4021.1	4055.5	4089.5	4123.8	4155.9
3765.6	5°	3819.7	3881.7	3944.4	4010.9	4077.4	4148.6	4219.9	4290.5	4361.4	4432.4
3735.4	7.5°	3807.4	3887.7	3973.3	4066.1	4158.9	4264.2	4369.6	4477.8	4586.0	4703.0
3737.5	10°	3813.4	3899.6	4005.3	4115.3	4224.9	4353.0	4480.9	4623.8	4766.8	4914.9
3758.7	12.5°	3820.9	3901.1	4012.1	4136.3	4260.5	4411.4	4562.4	4724.4	4886.4	5048.9
3759.3	15°	3789.0	3853.3	3976.3	4120.0	4263.8	4437.6	4611.4	4787.1	4962.9	5132.5
3702.8	17.5°	3691.9	3731.5	3876.1	4049.1	4222.0	4423.7	4625.4	4817.2	5008.9	5180.9
3584.3	20°	3533.5	3543.9	3712.4	3926.7	4141.0	4385.4	4629.9	4840.6	5051.3	5230.2
3428.9	22.5°	3353.7	3333.2	3525.0	3783.0	4041.1	4338.5	4635.9	4872.3	5108.6	5291.3
3266.0	25°	3179.3	3124.0	3320.5	3622.7	3925.0	4292.2	4659.5	4929.7	5199.7	5378.6
3110.6	27.5°	3026.9	2959.6	3138.5	3476.1	3813.7	4261.3	4708.8	5019.4	5329.7	5500.6
2959.2	30°	2892.8	2840.1	2990.3	3353.6	3716.8	4246.8	4776.4	5135.5	5494.6	5659.4
2814.7	32.5°	2775.4	2751.9	2873.0	3247.9	3622.7	4228.8	4834.7	5256.7	5678.7	5841.9
2675.3	35°	2664.5	2674.2	2775.1	3144.0	3513.0	4195.1	4877.4	5394.7	5912.1	6068.6
2536.3	37.5°	2548.2	2583.8	2672.0	3021.8	3371.6	4137.2	4902.8	5549.4	6196.0	6395.4
2393.9	40°	2420.9	2475.5	2555.4	2876.0	3196.5	4057.6	4918.8	5745.8	6572.6	6863.1
2249.8	42.5°	2285.7	2354.4	2428.1	2715.0	3001.9	3975.4	4949.1	6002.7	7056.2	7475.5
2116.2	45°	2151.2	2217.7	2292.4	2544.1	2795.7	3899.0	5002.5	6340.7	7678.9	8244.6
2001.9	47.5°	2031.2	2088.4	2184.8	2408.8	2632.8	3836.0	5039.1	6700.8	8362.6	9158.8
1899.5	50°	1925.5	1992.0	2118.7	2319.0	2519.2	3767.2	5015.2	7035.0	9054.8	10255.1
1821.1	52.5°	1846.8	1939.7	2085.4	2259.8	2434.4	3651.1	4868.0	7252.0	9635.8	11406.7
1764.3	55°	1804.9	1944.9	2080.5	2216.9	2353.4	3458.6	4563.9	7204.2	9844.3	12427.6
1720.6	57.5°	1779.8	1950.2	2069.7	2166.1	2262.5	3187.2	4111.8	6867.6	9623.6	13151.2
1679.5	60°	1756.2	1933.7	2012.6	2088.4	2164.2	2834.9	3505.5	6241.3	8977.1	13332.1
1632.8	62.5°	1728.7	1893.4	1903.1	1953.3	2003.7	2413.1	2822.6	5394.5	7966.3	12570.7
1568.8	65°	*1670.7*	*1796.3*	*1795.1*	*1818.8*	*1842.6*	*2033.7*	*2224.8*	*4530.4*	*6836.1*	*11493.4*
1482.4	67.5°	1567.3	1637.9	1641.1	1628.0	1614.7	1669.1	1723.3	3684.0	5644.6	10211.3
1375.7	70°	1436.1	1459.3	1459.3	1397.9	1336.3	1320.9	1305.4	2900.6	4495.9	8812.4
1248.6	72.5°	1290.0	1289.7	1275.0	1187.9	1100.6	1053.7	1006.9	2217.5	3428.1	7295.9
1092.2	75°	1124.1	1129.8	1062.2	964.5	866.7	824.3	781.9	1609.5	2437.1	5557.5
932.4	77.5°	957.9	960.9	849.6	754.7	659.8	630.8	601.9	1090.6	1579.3	3889.7
747.0	80°	768.4	768.9	635.9	555.6	475.2	463.3	451.3	702.7	954.2	2506.1
554.7	82.5°	565.2	558.9	445.3	386.2	327.0	324.6	322.5	432.2	542.2	1450.5
360.9	85°	372.1	363.9	279.5	236.1	192.8	194.0	195.0	231.0	267.2	652.5
159.9	87.5°	164.4	153.9	118.8	101.0	83.4	84.4	85.5	95.8	106.1	213.7
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: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	*3894.4*	3894.4
4188.0	2.5°	4203.9	4219.9	4242.4	4265.0	4278.4	4291.9	4298.6	4305.3	*4302.3*	4305.3
4503.3	5°	4558.8	4614.4	4669.4	4724.5	4754.4	4784.3	4802.4	4820.6	*4834.4*	4820.6
4820.2	7.5°	4910.4	5000.5	5081.7	5162.8	5211.7	5260.6	5287.0	5313.3	*5326.0*	5313.3
5063.0	10°	5169.7	5276.4	5371.6	5466.8	5524.5	5581.8	5607.6	5633.1	*5642.8*	5633.1
5211.7	12.5°	5327.4	5442.9	5528.9	5614.7	5656.6	5698.4	5712.5	5726.5	*5728.0*	5726.5
5302.1	15°	5401.9	5501.6	5555.5	5609.6	5611.1	5612.6	5597.7	5582.7	*5565.1*	5582.7
5352.9	17.5°	5420.3	5487.7	5488.7	5489.6	5429.1	5368.6	5313.2	5257.6	*5218.4*	5257.6
5408.9	20°	5432.4	5456.0	5385.0	5314.1	5180.5	5046.9	4949.6	4852.3	*4792.5*	4852.3
5474.0	22.5°	5443.2	5412.4	5265.3	5118.3	4921.8	4725.3	4603.6	4482.0	*4415.9*	4482.0
5557.6	25°	5460.5	5363.4	5140.1	4916.8	4678.2	4439.5	4311.6	4184.0	*4121.5*	4184.0
5671.2	27.5°	5497.6	5323.8	5028.0	4732.4	4467.9	4203.4	4077.6	3951.9	*3892.9*	3951.9
5824.4	30°	5565.4	5306.6	4942.5	4578.5	4302.9	4027.4	3910.7	3794.0	*3739.0*	3794.0
6005.2	32.5°	5650.6	5296.1	4884.3	4472.4	4213.4	3954.5	3862.8	3771.1	*3731.5*	3771.1
6224.9	35°	5790.9	5357.1	4927.9	4498.9	4318.9	4139.2	4117.8	4096.4	*4093.1*	4096.4
6594.7	37.5°	6084.3	5573.8	5183.7	4793.7	4782.0	4770.4	4868.1	4965.9	*5016.7*	4965.9
7153.6	40°	6598.5	6043.3	5753.3	5463.2	5667.9	5872.7	6110.3	6347.9	*6466.2*	6347.9
7894.9	42.5°	7344.0	6793.2	6626.1	6459.1	6905.6	7352.1	7784.3	8216.5	*8470.2*	8216.5
8810.2	45°	8315.4	7820.4	7746.8	7672.9	8388.3	9103.8	9814.0	10524.2	*10955.4*	10524.2
9954.9	47.5°	9473.5	8992.0	8977.1	8962.2	9994.2	11025.9	12065.6	13105.1	*13715.5*	13105.1
11455.2	50°	10860.6	10266.2	10268.7	10271.2	11601.3	12931.3	14303.6	15675.9	*16505.5*	15675.9
13177.5	52.5°	12457.5	11737.7	11664.9	11592.0	13180.7	14769.4	16467.3	18165.1	*19159.6*	18165.1
15011.2	55°	14299.8	13588.5	13304.7	13020.9	14789.1	16557.1	18581.3	20605.4	*21788.2*	20605.4
16678.9	57.5°	16291.5	15904.0	15334.8	14765.8	16551.1	18336.5	20629.2	22921.7	*24388.5*	22921.7
17686.9	60°	18288.5	18890.3	18183.4	17476.6	19166.2	20855.7	23310.4	25765.1	*27350.3*	25765.1
17175.0	62.5°	18819.0	20463.0	20383.3	20303.5	21851.3	23399.2	25734.6	28069.9	*29535.1*	28069.9
16150.6	65°	*17693.6*	*19236.5*	*19541.8*	*19847.0*	*21813.9*	*23781.0*	*26045.6*	*28310.0*	*29557.5*	*28310.0*
14778.0	67.5°	16245.5	17713.0	17856.2	17999.2	20048.6	22097.8	24372.2	26646.5	*27623.8*	26646.5
13129.0	70°	14725.1	16321.4	16385.4	16449.5	18282.2	20114.8	22072.0	24029.1	*24572.3*	24029.1
11163.8	72.5°	12995.5	14827.3	14873.4	14919.2	16353.1	17787.0	19252.8	20718.5	*20773.5*	20718.5
8677.9	75°	10573.7	12469.5	12639.7	12809.9	13925.5	15041.0	16072.9	17104.8	*16828.3*	17104.8
6200.2	77.5°	7969.9	9739.7	9983.3	10226.9	11074.9	11923.0	12654.8	13386.7	*12911.5*	13386.7
4058.0	80°	5546.9	7035.6	7338.4	7641.1	8281.6	8921.8	9306.2	9690.4	*8926.0*	9690.4
2358.9	82.5°	3376.7	4394.7	4732.9	5071.2	5512.1	5952.9	6113.3	6273.5	*5672.7*	6273.5
1037.9	85°	1578.1	2118.3	2406.0	2693.6	3055.9	3418.0	3509.0	3600.0	*3118.8*	3600.0
321.3	87.5°	502.9	684.4	844.9	1005.4	1186.5	1367.7	1375.4	1383.1	*1161.1*	1383.1
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: P956602
CATALOG NUMBER: GALN-SB9A-950-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
4298.6	2.5°	4291.9	4278.4	4265.0	4242.4	4219.9	4203.9	4188.0
4802.4	5°	4784.3	4754.4	4724.5	4669.4	4614.4	4558.8	4503.3
5287.0	7.5°	5260.6	5211.7	5162.8	5081.7	5000.5	4910.4	4820.2
5607.6	10°	5581.8	5524.5	5466.8	5371.6	5276.4	5169.7	5063.0
5712.5	12.5°	5698.4	5656.6	5614.7	5528.9	5442.9	5327.4	5211.7
5597.7	15°	5612.6	5611.1	5609.6	5555.5	5501.6	5401.9	5302.1
5313.2	17.5°	5368.6	5429.1	5489.6	5488.7	5487.7	5420.3	5352.9
4949.6	20°	5046.9	5180.5	5314.1	5385.0	5456.0	5432.4	5408.9
4603.6	22.5°	4725.3	4921.8	5118.3	5265.3	5412.4	5443.2	5474.0
4311.6	25°	4439.5	4678.2	4916.8	5140.1	5363.4	5460.5	5557.6
4077.6	27.5°	4203.4	4467.9	4732.4	5028.0	5323.8	5497.6	5671.2
3910.7	30°	4027.4	4302.9	4578.5	4942.5	5306.6	5565.4	5824.4
3862.8	32.5°	3954.5	4213.4	4472.4	4884.3	5296.1	5650.6	6005.2
4117.8	35°	4139.2	4318.9	4498.9	4927.9	5357.1	5790.9	6224.9
4868.1	37.5°	4770.4	4782.0	4793.7	5183.7	5573.8	6084.3	6594.7
6110.3	40°	5872.7	5667.9	5463.2	5753.3	6043.3	6598.5	7153.6
7784.3	42.5°	7352.1	6905.6	6459.1	6626.1	6793.2	7344.0	7894.9
9814.0	45°	9103.8	8388.3	7672.9	7746.8	7820.4	8315.4	8810.2
12065.6	47.5°	11025.9	9994.2	8962.2	8977.1	8992.0	9473.5	9954.9
14303.6	50°	12931.3	11601.3	10271.2	10268.7	10266.2	10860.6	11455.2
16467.3	52.5°	14769.4	13180.7	11592.0	11664.9	11737.7	12457.5	13177.5
18581.3	55°	16557.1	14789.1	13020.9	13304.7	13588.5	14299.8	15011.2
20629.2	57.5°	18336.5	16551.1	14765.8	15334.8	15904.0	16291.5	16678.9
23310.4	60°	20855.7	19166.2	17476.6	18183.4	18890.3	18288.5	17686.9
25734.6	62.5°	23399.2	21851.3	20303.5	20383.3	20463.0	18819.0	17175.0
26045.6	65°	*23781.0*	*21813.9*	*19847.0*	*19541.8*	*19236.5*	*17693.6*	*16150.6*
24372.2	67.5°	22097.8	20048.6	17999.2	17856.2	17713.0	16245.5	14778.0
22072.0	70°	20114.8	18282.2	16449.5	16385.4	16321.4	14725.1	13129.0
19252.8	72.5°	17787.0	16353.1	14919.2	14873.4	14827.3	12995.5	11163.8
16072.9	75°	15041.0	13925.5	12809.9	12639.7	12469.5	10573.7	8677.9
12654.8	77.5°	11923.0	11074.9	10226.9	9983.3	9739.7	7969.9	6200.2
9306.2	80°	8921.8	8281.6	7641.1	7338.4	7035.6	5546.9	4058.0
6113.3	82.5°	5952.9	5512.1	5071.2	4732.9	4394.7	3376.7	2358.9
3509.0	85°	3418.0	3055.9	2693.6	2406.0	2118.3	1578.1	1037.9
1375.4	87.5°	1367.7	1186.5	1005.4	844.9	684.4	502.9	321.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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