

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: P950197

Luminaire Tested: **GALN-SB4D-722-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950197
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-SB4D-722-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33570 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 293.6
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

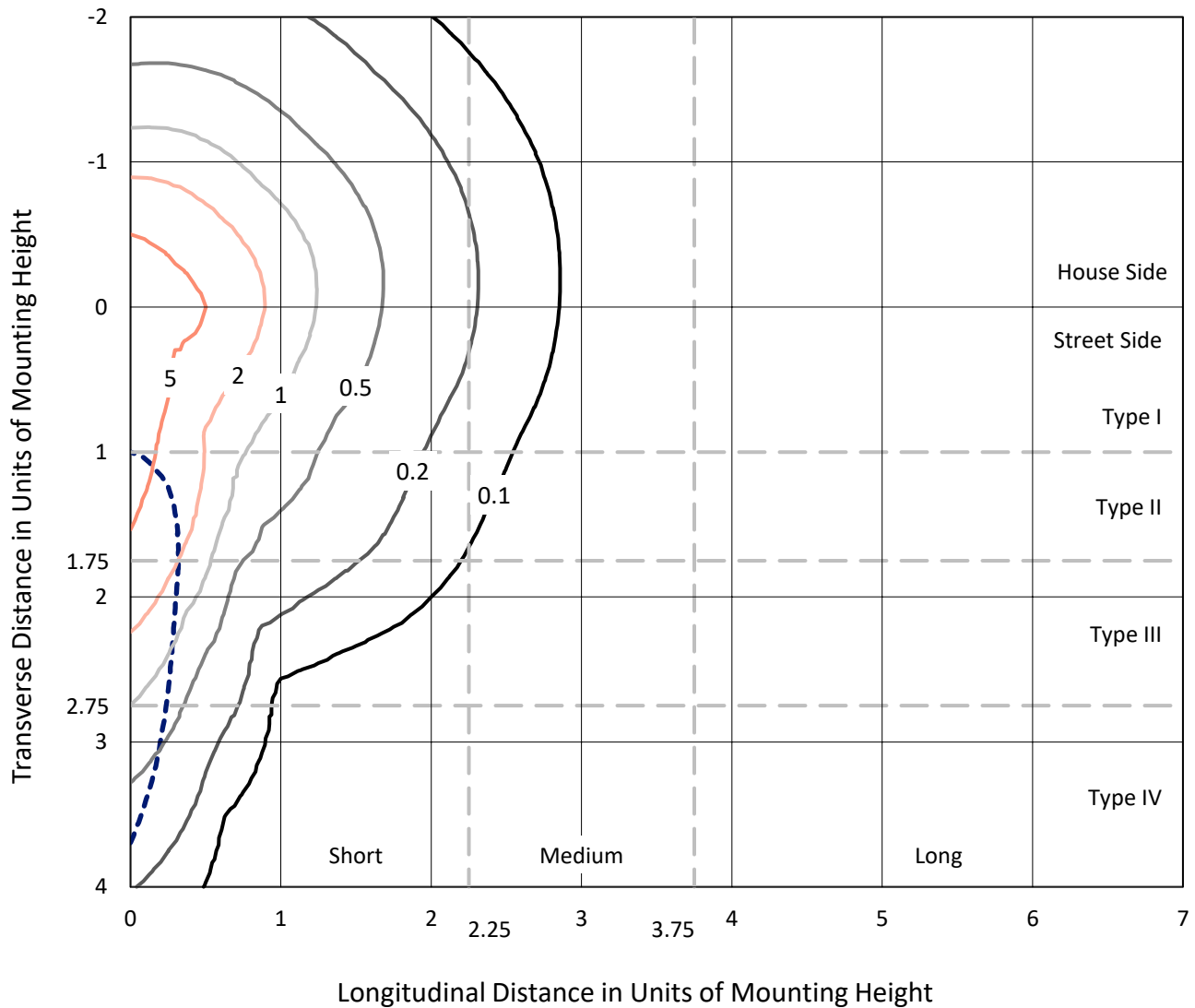


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Iso-Footcandle Lines of Horizontal Illumination

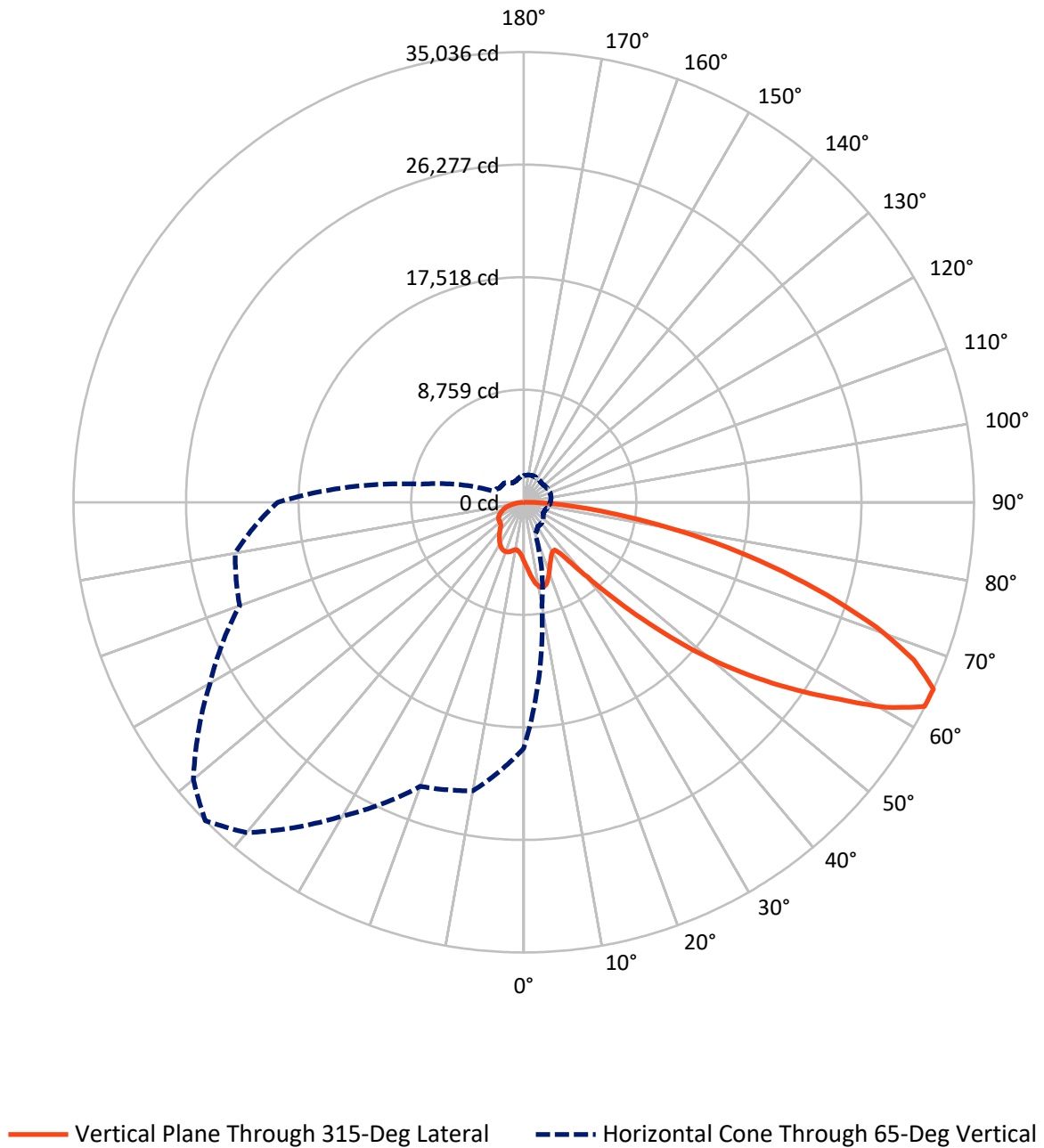
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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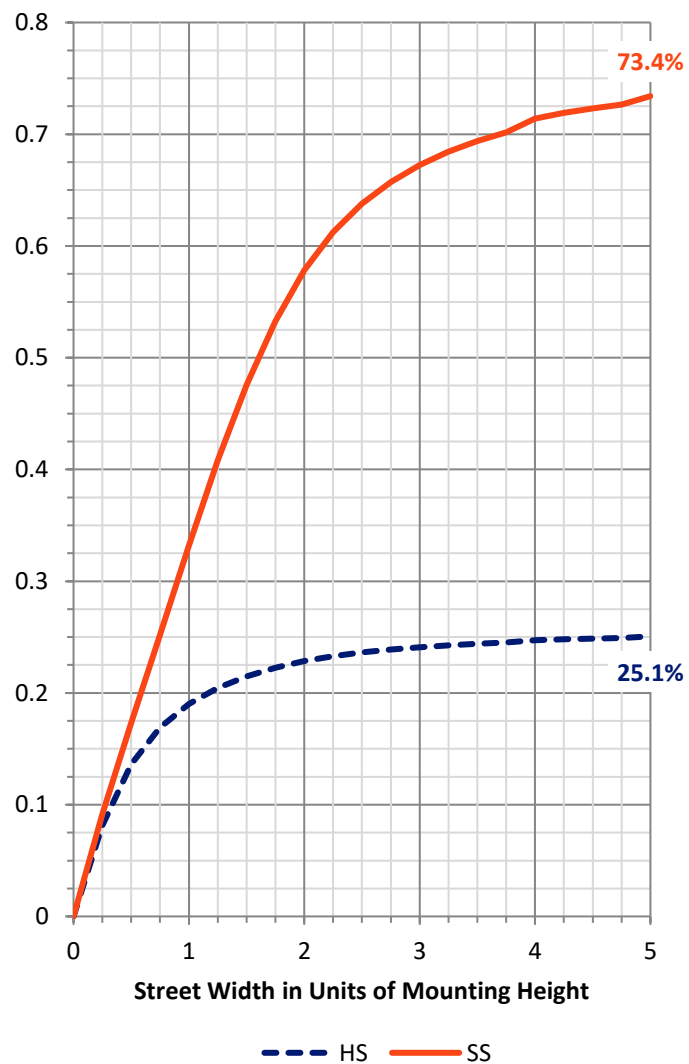
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8531.8	0.0	8531.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	25038.2	0.0	25038.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	33570.0	0.0	33570.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.9	1.4
10°-20°	1437.5	4.3
20°-30°	2220.4	6.6
30°-40°	2813.9	8.4
40°-50°	4244.0	12.6
50°-60°	6856.8	20.4
60°-70°	8548.1	25.5
70°-80°	5605.5	16.7
80°-90°	1385.8	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°	33570.0	100.0
0°-180°	33570.0	100.0

Coefficient of Utilization



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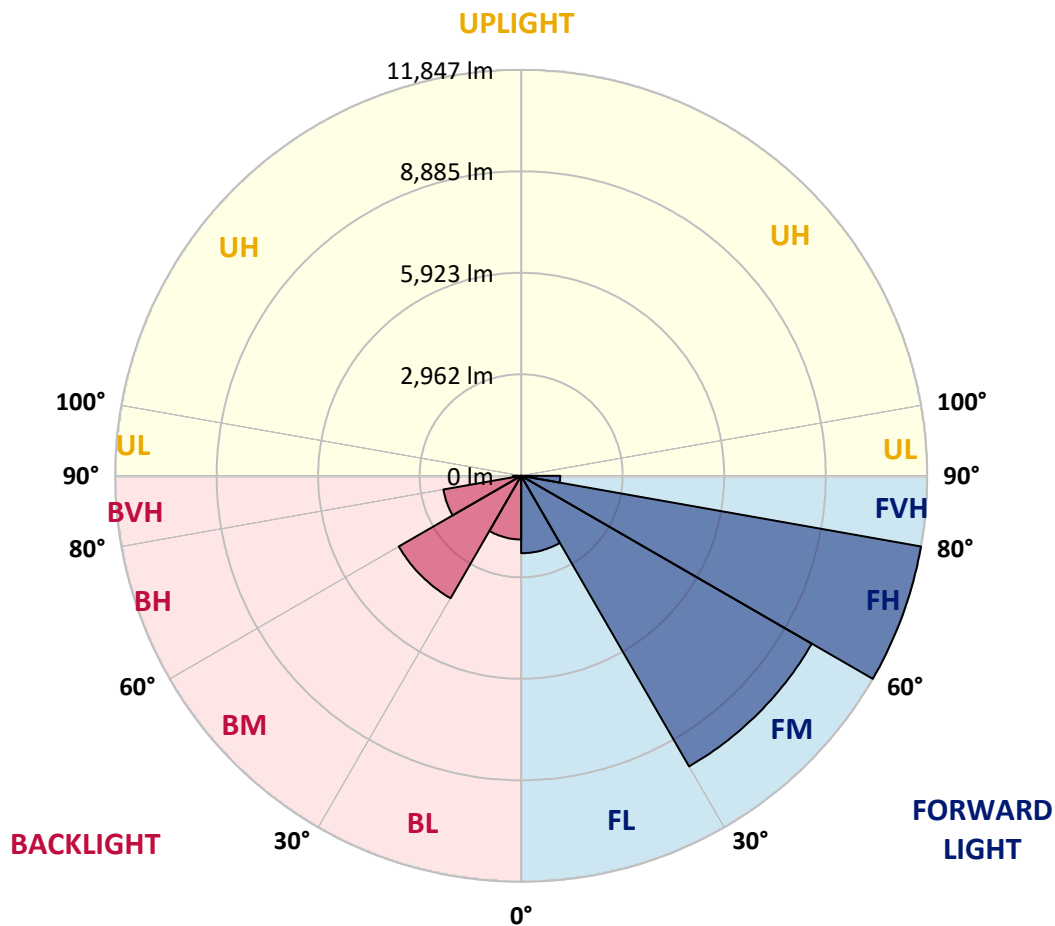
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2258.0	6.7			
FM	(30°-60°)	9791.6	29.2			
FH	(60°-80°)	11847.0	35.3			G4/12000
FVH	(80°-90°)	1141.6	3.4			G5
BL	(0°-30°)	1857.9	5.5	B3/2500		
BM	(30°-60°)	4123.1	12.3	B3/5000		
BH	(60°-80°)	2306.6	6.9	B3/2500		G3/2500
BVH	(80°-90°)	244.2	0.7			G3/500
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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2
2.5°	4964.2	4926.2	4888.1	4847.5	4807.1	4766.4	4725.6	4686.7	4647.7	4610.0	4568.0
5°	5338.0	5253.9	5169.7	5085.8	5002.0	4917.5	4833.2	4754.3	4675.5	4601.1	4527.6
7.5°	5713.5	5574.6	5435.9	5307.7	5179.5	5054.6	4929.7	4819.7	4709.7	4608.2	4513.1
10°	6001.4	5825.8	5650.3	5480.8	5311.4	5159.8	5008.0	4878.0	4747.6	4622.4	4520.2
12.5°	6177.6	5984.7	5792.0	5600.0	5408.0	5229.1	5050.1	4902.9	4755.7	4624.1	4529.0
15°	6284.8	6083.7	5882.7	5674.4	5466.1	5260.1	5054.0	4883.6	4713.2	4567.5	4491.3
17.5°	6345.0	6141.1	5937.2	5710.0	5482.7	5243.6	5004.4	4799.5	4594.6	4423.1	4376.1
20°	6411.4	6199.6	5987.6	5737.8	5488.0	5198.2	4908.4	4654.4	4400.4	4200.8	4188.4
22.5°	6488.5	6272.0	6055.4	5775.3	5495.1	5142.6	4790.1	4484.2	4178.3	3951.0	3975.3
25°	6587.7	6375.5	6163.4	5843.4	5523.1	5087.7	4652.5	4294.1	3936.0	3703.0	3768.6
27.5°	6722.3	6520.0	6317.6	5949.6	5581.6	5051.0	4520.5	4120.4	3720.2	3508.2	3587.9
30°	6903.9	6708.3	6512.9	6087.3	5661.6	5033.9	4405.7	3975.1	3544.5	3366.5	3429.0
32.5°	7118.2	6924.6	6731.2	6230.9	5730.7	5012.6	4294.1	3849.9	3405.4	3262.0	3289.8
35°	7378.6	7193.3	7007.9	6394.6	5781.4	4972.6	4164.1	3726.8	3289.4	3169.8	3158.3
37.5°	7817.0	7580.7	7344.4	6577.9	5811.5	4904.0	3996.5	3581.9	3167.2	3062.7	3020.5
40°	8479.5	8135.1	7790.8	6810.7	5830.4	4809.6	3788.9	3409.0	3029.0	2934.3	2869.6
42.5°	9358.1	8861.1	8364.0	7115.2	5866.4	4712.2	3558.3	3218.2	2878.1	2790.8	2709.3
45°	10443.1	9772.6	9102.1	7515.9	5929.6	4621.7	3313.9	3015.6	2717.3	2628.7	2549.9
47.5°	11799.9	10856.3	9912.5	7942.8	5973.0	4546.9	3120.8	2855.3	2589.7	2475.5	2407.6
50°	13578.4	12155.8	10733.0	8338.9	5944.7	4465.4	2986.2	2748.8	2511.4	2361.2	2282.4
52.5°	15619.9	13520.8	11421.7	8596.1	5770.2	4327.8	2885.5	2678.7	2471.9	2299.2	2189.0
55°	17793.3	14731.0	11668.8	8539.4	5409.7	4099.6	2789.5	2627.8	2466.1	2305.4	2139.4
57.5°	19770.1	15588.7	11407.2	8140.5	4873.9	3778.0	2681.8	2567.6	2453.3	2311.6	2109.7
60°	20964.9	15803.0	10640.9	7398.1	4155.3	3360.3	2565.3	2475.5	2385.7	2292.1	2081.7
62.5°	20358.2	14900.5	9442.8	6394.3	3345.7	2860.4	2375.0	2315.3	2255.8	2244.3	2049.1
65°	19144.0	13623.5	8103.1	5370.1	2637.2	2410.6	2184.1	2155.9	2127.8	2129.2	1980.4
67.5°	17517.0	12103.9	6690.8	4366.8	2042.7	1978.4	1914.0	1929.7	1945.3	1941.4	1857.8
70°	15562.3	10445.7	5329.1	3438.2	1547.3	1565.7	1584.0	1656.9	1729.7	1729.7	1702.3
72.5°	13232.9	8648.1	4063.5	2628.5	1193.5	1249.0	1304.6	1408.1	1511.3	1528.7	1529.0
75°	10286.3	6587.5	2888.7	1907.8	926.8	977.1	1027.4	1143.2	1259.1	1339.1	1332.4
77.5°	7349.4	4610.7	1872.0	1292.7	713.5	747.7	782.1	894.5	1007.0	1139.0	1135.4
80°	4810.1	2970.6	1131.0	832.9	535.0	549.1	563.3	658.6	753.7	911.4	910.8
82.5°	2796.1	1719.3	642.6	512.3	382.3	384.7	387.6	457.7	527.9	662.5	669.9
85°	1230.2	773.4	316.7	273.9	231.2	229.9	228.5	279.9	331.2	431.3	441.1
87.5°	380.8	253.3	125.8	113.5	101.3	100.1	98.8	119.7	140.8	182.5	194.8
90°	0.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2
2.5°	4534.0	4500.1	4469.5	4439.0	4412.3	4385.5	4358.6	4331.9	4311.1	4290.2	4273.4
5°	4463.5	4399.2	4345.3	4291.7	4244.2	4196.7	4153.7	4110.4	4077.3	4044.0	4020.8
7.5°	4427.7	4342.5	4271.6	4200.8	4141.1	4081.2	4028.4	3975.8	3936.3	3897.0	3869.4
10°	4430.2	4340.2	4269.3	4198.5	4134.2	4069.7	4010.4	3951.0	3903.9	3856.6	3825.8
12.5°	4455.3	4382.0	4334.9	4288.1	4237.4	4187.1	4125.7	4064.4	4004.2	3943.9	3904.1
15°	4456.0	4421.0	4427.3	4433.7	4420.6	4407.5	4354.2	4300.9	4215.1	4129.4	4068.8
17.5°	4389.1	4401.8	4479.1	4556.3	4597.4	4638.3	4595.3	4552.4	4438.9	4325.3	4236.0
20°	4248.6	4308.8	4442.9	4577.2	4663.1	4749.0	4729.2	4709.2	4579.3	4449.7	4340.2
22.5°	4064.4	4153.5	4306.5	4459.9	4571.7	4683.5	4695.5	4707.4	4583.4	4459.4	4346.7
25°	3871.3	3974.0	4111.7	4249.5	4359.5	4469.5	4510.6	4551.5	4449.8	4348.3	4248.1
27.5°	3687.1	3786.3	3899.5	4012.5	4100.7	4188.9	4234.6	4280.5	4208.0	4135.8	4058.0
30°	3507.6	3586.6	3680.5	3774.4	3847.6	3920.9	3958.1	3995.3	3940.2	3884.9	3829.3
32.5°	3336.4	3382.9	3457.9	3533.0	3603.1	3673.4	3714.7	3756.2	3705.5	3654.7	3610.2
35°	3171.1	3184.0	3241.2	3298.3	3367.7	3437.3	3486.9	3536.5	3500.4	3464.4	3423.3
37.5°	3006.4	2992.2	3033.3	3074.2	3143.5	3212.9	3274.2	3335.5	3318.8	3302.2	3264.4
40°	2837.5	2805.5	2835.1	2864.6	2931.6	2998.6	3069.1	3139.7	3143.8	3147.7	3115.6
42.5°	2666.8	2624.3	2648.4	2672.6	2736.0	2799.6	2875.8	2952.0	2972.3	2992.7	2965.6
45°	2508.4	2467.2	2487.3	2507.9	2568.1	2628.3	2707.3	2786.3	2815.6	2844.8	2820.4
47.5°	2372.9	2338.2	2357.3	2376.3	2435.3	2494.1	2572.0	2650.0	2683.6	2717.3	2700.3
50°	2251.6	2220.9	2250.7	2280.6	2336.2	2391.7	2461.5	2531.3	2574.5	2617.7	2616.7
52.5°	2158.6	2128.3	2173.1	2217.7	2268.8	2319.6	2384.6	2449.8	2501.0	2552.2	2561.4
55°	2091.3	2043.3	2106.9	2170.3	2225.2	2280.1	2337.1	2394.0	2448.2	2502.6	2515.3
57.5°	2039.5	1969.4	2037.8	2106.1	2170.6	2235.1	2291.4	2347.9	2402.7	2457.2	2470.2
60°	1990.8	1899.8	1959.8	2019.7	2093.7	2167.8	2225.0	2282.4	2337.3	2392.2	2406.4
62.5°	1935.4	1821.8	1859.9	1898.0	1984.3	2070.7	2131.8	2192.9	2243.3	2293.6	2307.2
65°	1859.6	1738.6	1753.3	1767.8	1860.3	1952.9	2011.4	2069.8	2114.1	2158.4	2172.4
67.5°	1757.2	1656.6	1652.0	1647.4	1732.7	1818.3	1873.7	1929.0	1967.3	2005.5	2019.2
70°	1630.7	1559.2	1543.2	1527.3	1602.4	1677.5	1725.3	1773.1	1807.7	1842.2	1855.3
72.5°	1480.0	1430.9	1407.5	1384.3	1443.5	1502.5	1545.7	1588.9	1622.7	1656.6	1672.2
75°	1294.7	1256.8	1234.5	1212.0	1255.9	1299.8	1339.0	1378.1	1408.9	1439.8	1456.1
77.5°	1105.2	1074.9	1052.2	1029.5	1065.3	1100.9	1134.6	1168.2	1200.6	1232.9	1248.1
80°	885.5	860.0	841.0	821.9	851.7	881.3	909.6	937.9	962.6	987.0	1007.2
82.5°	657.5	645.1	631.7	618.2	615.7	613.2	603.3	593.4	645.8	698.3	732.6
85°	427.8	414.5	399.4	384.4	371.6	358.7	331.2	303.8	352.9	402.1	444.6
87.5°	189.5	184.2	181.4	178.6	178.0	177.5	156.6	135.5	156.1	176.8	194.0
90°	0.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2
2.5°	4256.6	4243.5	4230.4	4218.3	4206.1	4191.0	4206.1	4218.3	4230.4	4243.5	4256.6
5°	3997.6	3981.1	3964.7	3952.1	3939.5	3927.1	3939.5	3952.1	3964.7	3981.1	3997.6
7.5°	3841.7	3822.8	3804.0	3792.7	3781.5	3773.0	3781.5	3792.7	3804.0	3822.8	3841.7
10°	3794.6	3776.7	3758.8	3749.3	3739.7	3735.8	3739.7	3749.3	3758.8	3776.7	3794.6
12.5°	3864.2	3844.2	3824.4	3816.2	3808.1	3806.7	3808.1	3816.2	3824.4	3844.2	3864.2
15°	4008.2	3980.4	3952.8	3942.2	3931.5	3930.6	3931.5	3942.2	3952.8	3980.4	4008.2
17.5°	4146.8	4105.7	4064.4	4050.9	4037.3	4035.2	4037.3	4050.9	4064.4	4105.7	4146.8
20°	4230.9	4178.3	4125.5	4108.7	4091.8	4086.5	4091.8	4108.7	4125.5	4178.3	4230.9
22.5°	4233.9	4178.5	4122.8	4104.2	4085.6	4077.7	4085.6	4104.2	4122.8	4178.5	4233.9
25°	4148.2	4100.0	4052.0	4034.4	4017.1	4006.8	4017.1	4034.4	4052.0	4100.0	4148.2
27.5°	3980.2	3948.0	3915.6	3907.6	3899.6	3897.0	3899.6	3907.6	3915.6	3948.0	3980.2
30°	3773.4	3756.9	3740.2	3740.2	3740.2	3742.9	3740.2	3740.2	3740.2	3756.9	3773.4
32.5°	3565.7	3554.9	3544.1	3545.6	3547.1	3549.8	3547.1	3545.6	3544.1	3554.9	3565.7
35°	3382.4	3365.9	3349.6	3346.1	3342.6	3340.8	3342.6	3346.1	3349.6	3365.9	3382.4
37.5°	3226.5	3196.6	3166.8	3151.1	3135.3	3126.5	3135.3	3151.1	3166.8	3196.6	3226.5
40°	3083.6	3040.0	2996.8	2967.4	2938.3	2921.0	2938.3	2967.4	2996.8	3040.0	3083.6
42.5°	2938.7	2884.7	2830.6	2787.9	2745.3	2717.3	2745.3	2787.9	2830.6	2884.7	2938.7
45°	2796.1	2734.3	2672.6	2622.5	2572.4	2540.1	2572.4	2622.5	2672.6	2734.3	2796.1
47.5°	2683.3	2628.3	2573.4	2527.0	2480.8	2449.8	2480.8	2527.0	2573.4	2628.3	2683.3
50°	2615.9	2572.0	2528.1	2485.2	2442.4	2412.6	2442.4	2485.2	2528.1	2572.0	2615.9
52.5°	2570.6	2534.8	2499.0	2460.6	2422.3	2394.9	2422.3	2460.6	2499.0	2534.8	2570.6
55°	2528.1	2496.9	2465.7	2432.1	2398.4	2373.6	2398.4	2432.1	2465.7	2496.9	2528.1
57.5°	2483.1	2451.6	2420.0	2386.7	2353.3	2327.6	2353.3	2386.7	2420.0	2451.6	2483.1
60°	2420.6	2389.7	2359.1	2324.7	2290.4	2263.8	2290.4	2324.7	2359.1	2389.7	2420.6
62.5°	2320.8	2293.0	2265.2	2229.1	2192.9	2161.1	2192.9	2229.1	2265.2	2293.0	2320.8
65°	2186.2	2159.5	2132.7	2097.6	2062.7	2035.3	2062.7	2097.6	2132.7	2159.5	2186.2
67.5°	2032.6	2008.0	1983.6	1951.0	1918.4	1893.6	1918.4	1951.0	1983.6	2008.0	2032.6
70°	1868.4	1848.4	1828.4	1797.2	1766.0	1737.7	1766.0	1797.2	1828.4	1848.4	1868.4
72.5°	1687.8	1671.1	1654.5	1624.7	1595.1	1567.7	1595.1	1624.7	1654.5	1671.1	1687.8
75°	1472.4	1464.2	1456.1	1431.1	1406.1	1379.9	1406.1	1431.1	1456.1	1464.2	1472.4
77.5°	1263.3	1252.0	1240.3	1215.2	1190.0	1169.1	1190.0	1215.2	1240.3	1252.0	1263.3
80°	1027.4	1022.4	1017.6	983.8	949.8	910.5	949.8	983.8	1017.6	1022.4	1027.4
82.5°	767.0	764.9	762.6	734.1	705.4	680.2	705.4	734.1	762.6	764.9	767.0
85°	487.1	483.6	480.0	457.7	435.4	412.7	435.4	457.7	480.0	483.6	487.1
87.5°	211.1	206.9	202.3	191.0	179.3	168.3	179.3	191.0	202.3	206.9	211.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950197

CATALOG NUMBER: GALN-SB4D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2
2.5°	4273.4	4290.2	4311.1	4331.9	4358.6	4385.5	4412.3	4439.0	4469.5	4500.1	4534.0
5°	4020.8	4044.0	4077.3	4110.4	4153.7	4196.7	4244.2	4291.7	4345.3	4399.2	4463.5
7.5°	3869.4	3897.0	3936.3	3975.8	4028.4	4081.2	4141.1	4200.8	4271.6	4342.5	4427.7
10°	3825.8	3856.6	3903.9	3951.0	4010.4	4069.7	4134.2	4198.5	4269.3	4340.2	4430.2
12.5°	3904.1	3943.9	4004.2	4064.4	4125.7	4187.1	4237.4	4288.1	4334.9	4382.0	4455.3
15°	4068.8	4129.4	4215.1	4300.9	4354.2	4407.5	4420.6	4433.7	4427.3	4421.0	4456.0
17.5°	4236.0	4325.3	4438.9	4552.4	4595.3	4638.3	4597.4	4556.3	4479.1	4401.8	4389.1
20°	4340.2	4449.7	4579.3	4709.2	4729.2	4749.0	4663.1	4577.2	4442.9	4308.8	4248.6
22.5°	4346.7	4459.4	4583.4	4707.4	4695.5	4683.5	4571.7	4459.9	4306.5	4153.5	4064.4
25°	4248.1	4348.3	4449.8	4551.5	4510.6	4469.5	4359.5	4249.5	4111.7	3974.0	3871.3
27.5°	4058.0	4135.8	4208.0	4280.5	4234.6	4188.9	4100.7	4012.5	3899.5	3786.3	3687.1
30°	3829.3	3884.9	3940.2	3995.3	3958.1	3920.9	3847.6	3774.4	3680.5	3586.6	3507.6
32.5°	3610.2	3654.7	3705.5	3756.2	3714.7	3673.4	3603.1	3533.0	3457.9	3382.9	3336.4
35°	3423.3	3464.4	3500.4	3536.5	3486.9	3437.3	3367.7	3298.3	3241.2	3184.0	3171.1
37.5°	3264.4	3302.2	3318.8	3335.5	3274.2	3212.9	3143.5	3074.2	3033.3	2992.2	3006.4
40°	3115.6	3147.7	3143.8	3139.7	3069.1	2998.6	2931.6	2864.6	2835.1	2805.5	2837.5
42.5°	2965.6	2992.7	2972.3	2952.0	2875.8	2799.6	2736.0	2672.6	2648.4	2624.3	2666.8
45°	2820.4	2844.8	2815.6	2786.3	2707.3	2628.3	2568.1	2507.9	2487.3	2467.2	2508.4
47.5°	2700.3	2717.3	2683.6	2650.0	2572.0	2494.1	2435.3	2376.3	2357.3	2338.2	2372.9
50°	2616.7	2617.7	2574.5	2531.3	2461.5	2391.7	2336.2	2280.6	2250.7	2220.9	2251.6
52.5°	2561.4	2552.2	2501.0	2449.8	2384.6	2319.6	2268.8	2217.7	2173.1	2128.3	2158.6
55°	2515.3	2502.6	2448.2	2394.0	2337.1	2280.1	2225.2	2170.3	2106.9	2043.3	2091.3
57.5°	2470.2	2457.2	2402.7	2347.9	2291.4	2235.1	2170.6	2106.1	2037.8	1969.4	2039.5
60°	2406.4	2392.2	2337.3	2282.4	2225.0	2167.8	2093.7	2019.7	1959.8	1899.8	1990.8
62.5°	2307.2	2293.6	2243.3	2192.9	2131.8	2070.7	1984.3	1898.0	1859.9	1821.8	1935.4
65°	2172.4	2158.4	2114.1	2069.8	2011.4	1952.9	1860.3	1767.8	1753.3	1738.6	1859.6
67.5°	2019.2	2005.5	1967.3	1929.0	1873.7	1818.3	1732.7	1647.4	1652.0	1656.6	1757.2
70°	1855.3	1842.2	1807.7	1773.1	1725.3	1677.5	1602.4	1527.3	1543.2	1559.2	1630.7
72.5°	1672.2	1656.6	1622.7	1588.9	1545.7	1502.5	1443.5	1384.3	1407.5	1430.9	1480.0
75°	1456.1	1439.8	1408.9	1378.1	1339.0	1299.8	1255.9	1212.0	1234.5	1256.8	1294.7
77.5°	1248.1	1232.9	1200.6	1168.2	1134.6	1100.9	1065.3	1029.5	1052.2	1074.9	1105.2
80°	1007.2	987.0	962.6	937.9	909.6	881.3	851.7	821.9	841.0	860.0	885.5
82.5°	732.6	698.3	645.8	593.4	603.3	613.2	615.7	618.2	631.7	645.1	657.5
85°	444.6	402.1	352.9	303.8	331.2	358.7	371.6	384.4	399.4	414.5	427.8
87.5°	194.0	176.8	156.1	135.5	156.6	177.5	178.0	178.6	181.4	184.2	189.5
90°	0.0	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-SB4D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2
2.5°	4568.0	4610.0	4647.7	4686.7	4725.6	4766.4	4807.1	4847.5	4888.1	4926.2	4964.2
5°	4527.6	4601.1	4675.5	4754.3	4833.2	4917.5	5002.0	5085.8	5169.7	5253.9	5338.0
7.5°	4513.1	4608.2	4709.7	4819.7	4929.7	5054.6	5179.5	5307.7	5435.9	5574.6	5713.5
10°	4520.2	4622.4	4747.6	4878.0	5008.0	5159.8	5311.4	5480.8	5650.3	5825.8	6001.4
12.5°	4529.0	4624.1	4755.7	4902.9	5050.1	5229.1	5408.0	5600.0	5792.0	5984.7	6177.6
15°	4491.3	4567.5	4713.2	4883.6	5054.0	5260.1	5466.1	5674.4	5882.7	6083.7	6284.8
17.5°	4376.1	4423.1	4594.6	4799.5	5004.4	5243.6	5482.7	5710.0	5937.2	6141.1	6345.0
20°	4188.4	4200.8	4400.4	4654.4	4908.4	5198.2	5488.0	5737.8	5987.6	6199.6	6411.4
22.5°	3975.3	3951.0	4178.3	4484.2	4790.1	5142.6	5495.1	5775.3	6055.4	6272.0	6488.5
25°	3768.6	3703.0	3936.0	4294.1	4652.5	5087.7	5523.1	5843.4	6163.4	6375.5	6587.7
27.5°	3587.9	3508.2	3720.2	4120.4	4520.5	5051.0	5581.6	5949.6	6317.6	6520.0	6722.3
30°	3429.0	3366.5	3544.5	3975.1	4405.7	5033.9	5661.6	6087.3	6512.9	6708.3	6903.9
32.5°	3289.8	3262.0	3405.4	3849.9	4294.1	5012.6	5730.7	6230.9	6731.2	6924.6	7118.2
35°	3158.3	3169.8	3289.4	3726.8	4164.1	4972.6	5781.4	6394.6	7007.9	7193.3	7378.6
37.5°	3020.5	3062.7	3167.2	3581.9	3996.5	4904.0	5811.5	6577.9	7344.4	7580.7	7817.0
40°	2869.6	2934.3	3029.0	3409.0	3788.9	4809.6	5830.4	6810.7	7790.8	8135.1	8479.5
42.5°	2709.3	2790.8	2878.1	3218.2	3558.3	4712.2	5866.4	7115.2	8364.0	8861.1	9358.1
45°	2549.9	2628.7	2717.3	3015.6	3313.9	4621.7	5929.6	7515.9	9102.1	9772.6	10443.1
47.5°	2407.6	2475.5	2589.7	2855.3	3120.8	4546.9	5973.0	7942.8	9912.5	10856.3	11799.9
50°	2282.4	2361.2	2511.4	2748.8	2986.2	4465.4	5944.7	8338.9	10733.0	12155.8	13578.4
52.5°	2189.0	2299.2	2471.9	2678.7	2885.5	4327.8	5770.2	8596.1	11421.7	13520.8	15619.9
55°	2139.4	2305.4	2466.1	2627.8	2789.5	4099.6	5409.7	8539.4	11668.8	14731.0	17793.3
57.5°	2109.7	2311.6	2453.3	2567.6	2681.8	3778.0	4873.9	8140.5	11407.2	15588.7	19770.1
60°	2081.7	2292.1	2385.7	2475.5	2565.3	3360.3	4155.3	7398.1	10640.9	15803.0	20964.9
62.5°	2049.1	2244.3	2255.8	2315.3	2375.0	2860.4	3345.7	6394.3	9442.8	14900.5	20358.2
65°	1980.4	2129.2	2127.8	2155.9	2184.1	2410.6	2637.2	5370.1	8103.1	13623.5	19144.0
67.5°	1857.8	1941.4	1945.3	1929.7	1914.0	1978.4	2042.7	4366.8	6690.8	12103.9	17517.0
70°	1702.3	1729.7	1729.7	1656.9	1584.0	1565.7	1547.3	3438.2	5329.1	10445.7	15562.3
72.5°	1529.0	1528.7	1511.3	1408.1	1304.6	1249.0	1193.5	2628.5	4063.5	8648.1	13232.9
75°	1332.4	1339.1	1259.1	1143.2	1027.4	977.1	926.8	1907.8	2888.7	6587.5	10286.3
77.5°	1135.4	1139.0	1007.0	894.5	782.1	747.7	713.5	1292.7	1872.0	4610.7	7349.4
80°	910.8	911.4	753.7	658.6	563.3	549.1	535.0	832.9	1131.0	2970.6	4810.1
82.5°	669.9	662.5	527.9	457.7	387.6	384.7	382.3	512.3	642.6	1719.3	2796.1
85°	441.1	431.3	331.2	279.9	228.5	229.9	231.2	273.9	316.7	773.4	1230.2
87.5°	194.8	182.5	140.8	119.7	98.8	100.1	101.3	113.5	125.8	253.3	380.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950197

CATALOG NUMBER: GALN-SB4D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2
2.5°	4983.0	5002.0	5028.7	5055.5	5071.4	5087.3	5095.3	5103.3	5099.7	5103.3	5095.3
5°	5403.7	5469.6	5534.8	5600.2	5635.6	5671.0	5692.4	5714.1	5730.3	5714.1	5692.4
7.5°	5820.5	5927.3	6023.5	6119.7	6177.6	6235.5	6266.9	6298.1	6313.1	6298.1	6266.9
10°	6127.8	6254.3	6367.2	6480.0	6548.4	6616.4	6646.9	6677.1	6688.7	6677.1	6646.9
12.5°	6314.7	6451.6	6553.7	6655.4	6705.0	6754.5	6771.2	6787.9	6789.6	6787.9	6771.2
15°	6403.1	6521.3	6585.2	6649.3	6651.1	6652.9	6635.2	6617.4	6596.5	6617.4	6635.2
17.5°	6424.9	6504.8	6506.0	6507.1	6435.4	6363.6	6297.9	6232.0	6185.6	6232.0	6297.9
20°	6439.2	6467.2	6383.1	6299.0	6140.6	5982.2	5866.9	5751.6	5680.8	5751.6	5866.9
22.5°	6452.0	6415.5	6241.2	6066.9	5834.0	5601.0	5456.9	5312.7	5234.4	5312.7	5456.9
25°	6472.5	6357.4	6092.8	5828.1	5545.2	5262.4	5110.7	4959.5	4885.4	4959.5	5110.7
27.5°	6516.5	6310.5	5959.9	5609.5	5296.0	4982.5	4833.3	4684.4	4614.4	4684.4	4833.3
30°	6596.9	6290.1	5858.6	5427.1	5100.5	4773.8	4635.5	4497.1	4431.9	4497.1	4635.5
32.5°	6697.9	6277.7	5789.5	5301.3	4994.3	4687.4	4578.8	4470.0	4423.1	4470.0	4578.8
35°	6864.2	6350.0	5841.2	5332.7	5119.4	4906.3	4881.0	4855.7	4851.8	4855.7	4881.0
37.5°	7211.9	6606.8	6144.5	5682.2	5668.4	5654.5	5770.4	5886.2	5946.5	5886.2	5770.4
40°	7821.4	7163.4	6819.6	6475.7	6718.4	6961.1	7242.7	7524.4	7664.7	7524.4	7242.7
42.5°	8705.2	8052.2	7854.2	7656.2	8185.5	8714.7	9227.0	9739.3	10040.1	9739.3	9227.0
45°	9856.6	9269.9	9182.6	9095.0	9943.0	10791.1	11632.9	12474.8	12985.8	12474.8	11632.9
47.5°	11229.4	10658.6	10640.9	10623.2	11846.5	13069.4	14301.8	15533.9	16257.5	15533.9	14301.8
50°	12873.5	12168.9	12171.9	12174.9	13751.4	15327.9	16954.6	18581.2	19564.7	18581.2	16954.6
52.5°	14766.4	13913.1	13826.9	13740.4	15623.6	17506.7	19519.3	21531.8	22710.6	21531.8	19519.3
55°	16950.1	16107.0	15770.6	15434.2	17530.1	19625.8	22025.1	24424.4	25826.4	24424.4	22025.1
57.5°	19311.0	18851.7	18177.0	17502.5	19618.7	21734.9	24452.6	27170.0	28908.6	27170.0	24452.6
60°	21678.1	22391.4	21553.6	20715.7	22718.4	24721.1	27630.7	30540.4	32419.4	30540.4	27630.7
62.5°	22306.9	24255.6	24161.2	24066.6	25901.2	27736.0	30504.2	33272.3	35009.2	33272.3	30504.2
65°	20972.9	22801.8	23163.7	23525.4	25856.9	28188.5	30872.9	33557.0	35035.7	33557.0	30872.9
67.5°	19256.5	20995.9	21165.6	21335.1	23764.4	26193.5	28889.3	31585.1	32743.6	31585.1	28889.3
70°	17454.3	19346.4	19422.3	19498.2	21670.6	23842.9	26162.8	28482.6	29126.5	28482.6	26162.8
72.5°	15404.1	17575.4	17630.0	17684.4	19384.0	21083.6	22821.1	24558.5	24623.7	24558.5	22821.1
75°	12533.4	14780.6	14982.3	15184.1	16506.4	17828.7	19051.9	20275.0	19947.3	20275.0	19051.9
77.5°	9447.0	11544.8	11833.6	12122.3	13127.5	14132.8	15000.2	15867.8	15304.6	15867.8	15000.2
80°	6574.9	8339.6	8698.4	9057.3	9816.5	10575.4	11031.0	11486.4	10580.3	11486.4	11031.0
82.5°	4002.6	5209.2	5610.1	6011.1	6533.7	7056.2	7246.3	7436.2	6724.1	7436.2	7246.3
85°	1870.6	2510.9	2851.9	3192.9	3622.3	4051.5	4159.3	4267.2	3696.8	4267.2	4159.3
87.5°	596.1	811.3	1001.5	1191.8	1406.5	1621.1	1630.4	1639.4	1376.3	1639.4	1630.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950197

CATALOG NUMBER: GALN-SB4D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2	4616.2
2.5°	5087.3	5071.4	5055.5	5028.7	5002.0	4983.0	4964.2
5°	5671.0	5635.6	5600.2	5534.8	5469.6	5403.7	5338.0
7.5°	6235.5	6177.6	6119.7	6023.5	5927.3	5820.5	5713.5
10°	6616.4	6548.4	6480.0	6367.2	6254.3	6127.8	6001.4
12.5°	6754.5	6705.0	6655.4	6553.7	6451.6	6314.7	6177.6
15°	6652.9	6651.1	6649.3	6585.2	6521.3	6403.1	6284.8
17.5°	6363.6	6435.4	6507.1	6506.0	6504.8	6424.9	6345.0
20°	5982.2	6140.6	6299.0	6383.1	6467.2	6439.2	6411.4
22.5°	5601.0	5834.0	6066.9	6241.2	6415.5	6452.0	6488.5
25°	5262.4	5545.2	5828.1	6092.8	6357.4	6472.5	6587.7
27.5°	4982.5	5296.0	5609.5	5959.9	6310.5	6516.5	6722.3
30°	4773.8	5100.5	5427.1	5858.6	6290.1	6596.9	6903.9
32.5°	4687.4	4994.3	5301.3	5789.5	6277.7	6697.9	7118.2
35°	4906.3	5119.4	5332.7	5841.2	6350.0	6864.2	7378.6
37.5°	5654.5	5668.4	5682.2	6144.5	6606.8	7211.9	7817.0
40°	6961.1	6718.4	6475.7	6819.6	7163.4	7821.4	8479.5
42.5°	8714.7	8185.5	7656.2	7854.2	8052.2	8705.2	9358.1
45°	10791.1	9943.0	9095.0	9182.6	9269.9	9856.6	10443.1
47.5°	13069.4	11846.5	10623.2	10640.9	10658.6	11229.4	11799.9
50°	15327.9	13751.4	12174.9	12171.9	12168.9	12873.5	13578.4
52.5°	17506.7	15623.6	13740.4	13826.9	13913.1	14766.4	15619.9
55°	19625.8	17530.1	15434.2	15770.6	16107.0	16950.1	17793.3
57.5°	21734.9	19618.7	17502.5	18177.0	18851.7	19311.0	19770.1
60°	24721.1	22718.4	20715.7	21553.6	22391.4	21678.1	20964.9
62.5°	27736.0	25901.2	24066.6	24161.2	24255.6	22306.9	20358.2
65°	28188.5	25856.9	23525.4	23163.7	22801.8	20972.9	19144.0
67.5°	26193.5	23764.4	21335.1	21165.6	20995.9	19256.5	17517.0
70°	23842.9	21670.6	19498.2	19422.3	19346.4	17454.3	15562.3
72.5°	21083.6	19384.0	17684.4	17630.0	17575.4	15404.1	13232.9
75°	17828.7	16506.4	15184.1	14982.3	14780.6	12533.4	10286.3
77.5°	14132.8	13127.5	12122.3	11833.6	11544.8	9447.0	7349.4
80°	10575.4	9816.5	9057.3	8698.4	8339.6	6574.9	4810.1
82.5°	7056.2	6533.7	6011.1	5610.1	5209.2	4002.6	2796.1
85°	4051.5	3622.3	3192.9	2851.9	2510.9	1870.6	1230.2
87.5°	1621.1	1406.5	1191.8	1001.5	811.3	596.1	380.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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