

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: P953763

Luminaire Tested: **GALN-SB7B-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

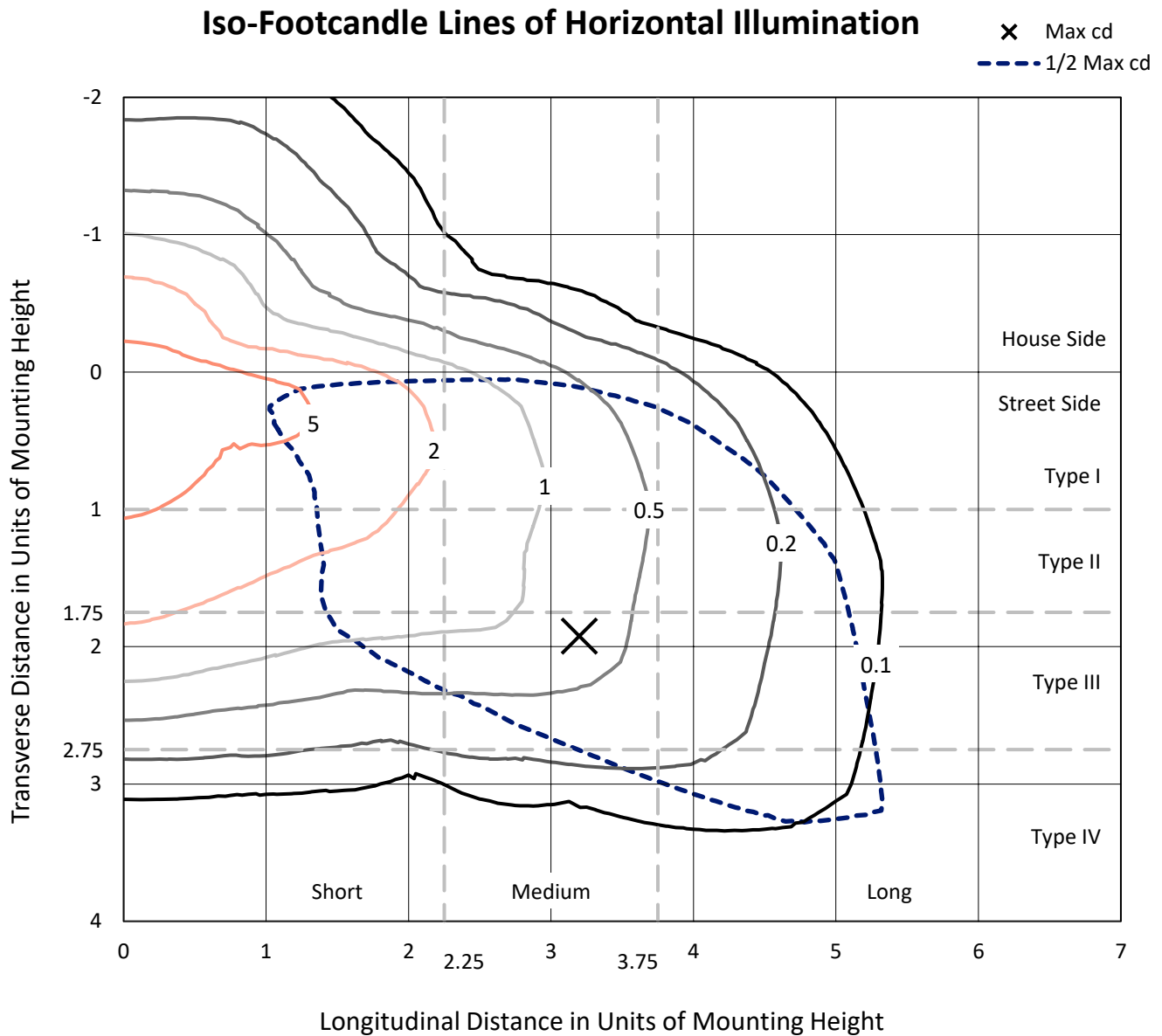
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32332 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
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



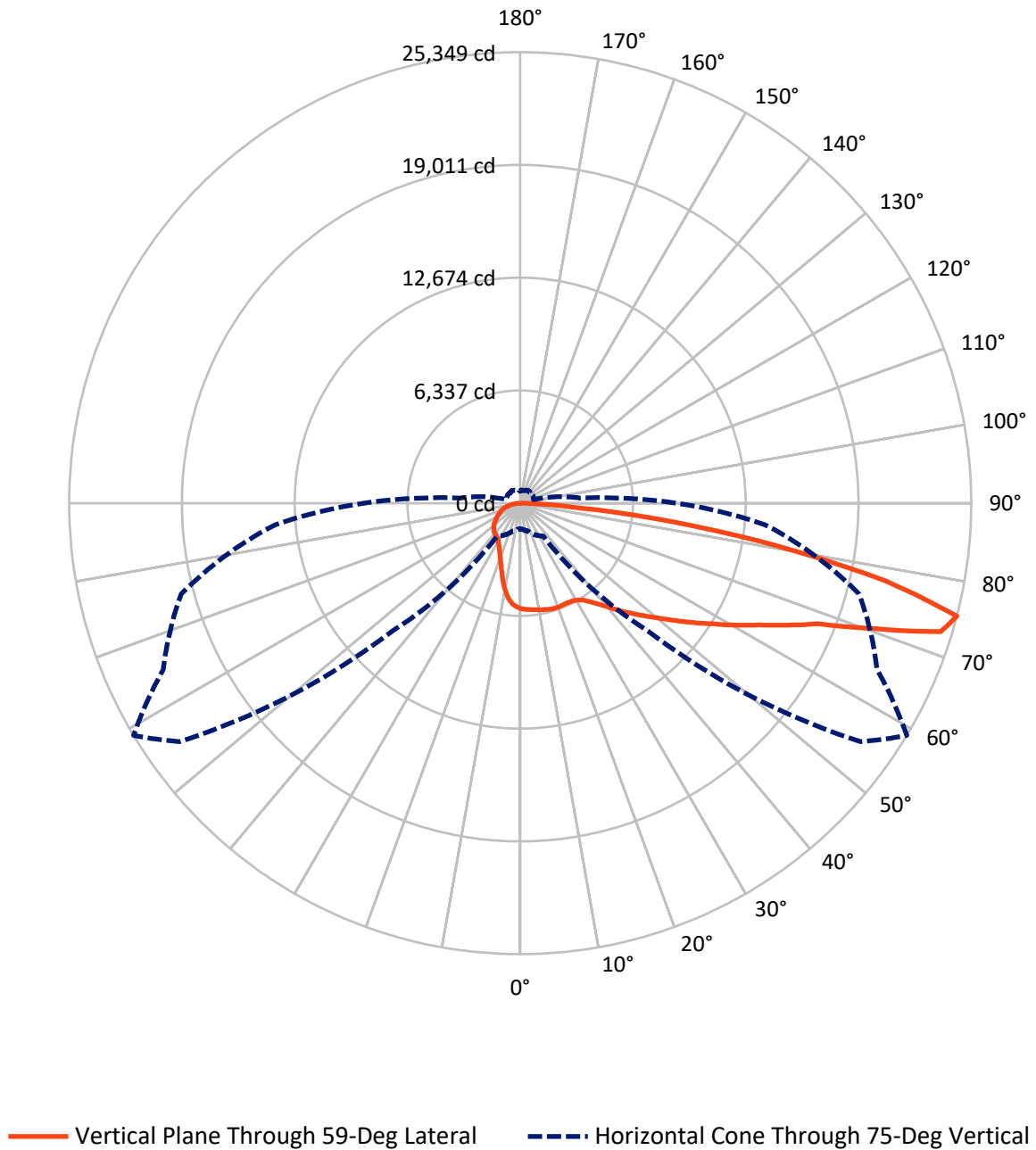
REPORT NUMBER: P953763
CATALOG NUMBER: GALN-SB7B-722-U-SL3



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



REPORT NUMBER: P953763

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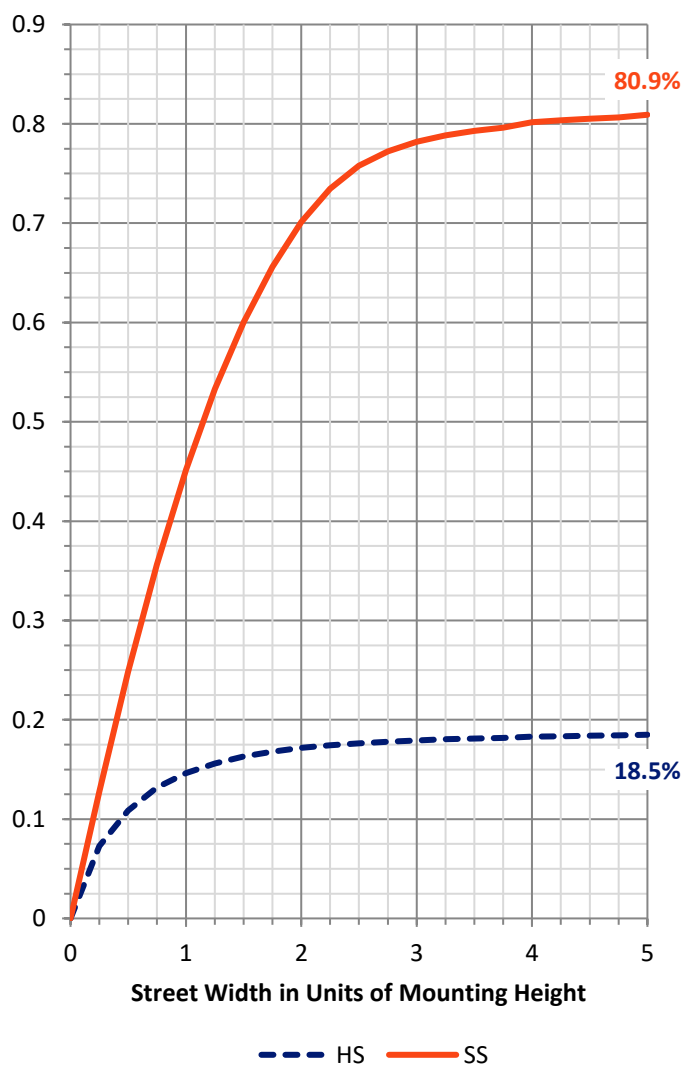
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6064.1	0.0	6064.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	26267.9	0.0	26267.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	32332.0	0.0	32332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.1	1.6
10°-20°	1360.1	4.2
20°-30°	2065.9	6.4
30°-40°	3071.0	9.5
40°-50°	4567.1	14.1
50°-60°	6199.2	19.2
60°-70°	7568.2	23.4
70°-80°	5939.5	18.4
80°-90°	1028.9	3.2
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°	32332.0	100.0
0°-180°	32332.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953763

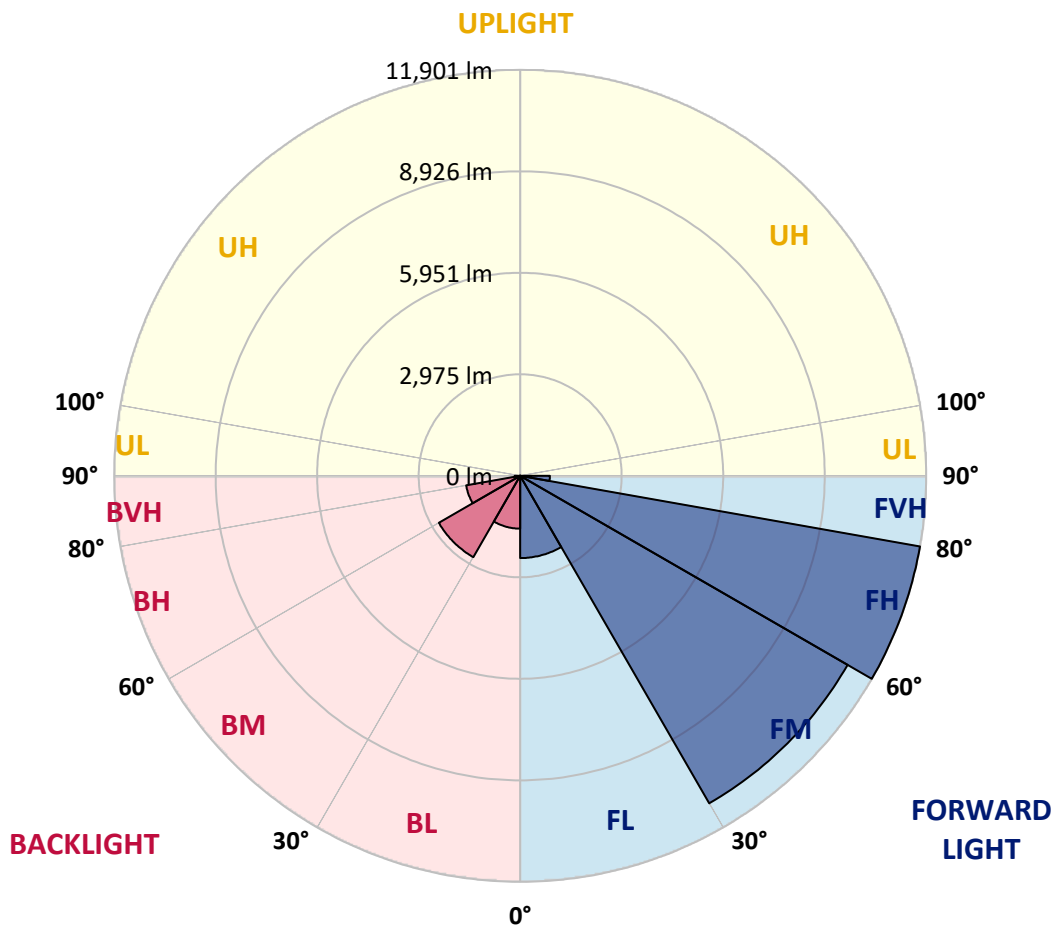
CATALOG NUMBER: GALN-SB7B-722-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2410.7	7.5			
FM	(30°-60°)	11084.8	34.3			
FH	(60°-80°)	11901.1	36.8			G4/12000
FVH	(80°-90°)	871.4	2.7			G5
BL	(0°-30°)	1547.5	4.8	B3/2500		
BM	(30°-60°)	2752.5	8.5	B3/5000		
BH	(60°-80°)	1606.6	5.0	B3/2500		G3/2500
BVH	(80°-90°)	157.5	0.5			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 Medium



REPORT NUMBER: P953763

CATALOG NUMBER: GALN-SB7B-722-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5
2.5°	5984.9	5964.0	5984.9	5976.2	5972.7	5965.8	5967.5	5979.7	5972.7	5981.4	5951.9
5°	5944.9	5932.7	5953.6	5948.4	5971.0	5974.5	5997.1	6011.0	6019.7	6021.4	5998.8
7.5°	5878.8	5866.6	5896.2	5920.6	5969.3	5983.2	6030.1	6052.7	6064.9	6085.8	6052.7
10°	5637.0	5631.8	5704.9	5797.1	5911.9	5983.2	6054.5	6092.7	6111.9	6167.5	6129.3
12.5°	5209.2	5216.1	5311.8	5489.2	5718.8	5948.4	6082.3	6138.0	6167.5	6237.1	6219.7
15°	4800.4	4798.7	4903.1	5092.6	5414.4	5795.3	6096.2	6191.9	6242.3	6344.9	6331.0
17.5°	4563.9	4556.9	4630.0	4774.4	5073.5	5560.5	6061.4	6221.4	6329.3	6458.0	6445.8
20°	4520.4	4506.5	4544.8	4616.1	4828.3	5303.1	5971.0	6221.4	6398.9	6565.8	6558.9
22.5°	4678.7	4656.1	4640.4	4631.7	4725.7	5090.9	5868.4	6200.6	6501.5	6720.6	6708.5
25°	4997.0	4962.2	4882.2	4803.9	4776.1	4995.2	5777.9	6195.4	6654.5	6929.3	6884.1
27.5°	5511.8	5468.3	5306.6	5118.7	4950.0	5043.9	5737.9	6226.7	6823.2	7150.2	7059.8
30°	6150.1	6103.2	5899.7	5611.0	5308.3	5224.8	5788.4	6318.9	7038.9	7444.2	7266.8
32.5°	6722.4	6670.2	6496.3	6202.3	5793.6	5537.9	5948.4	6494.5	7378.1	7852.9	7578.1
35°	7230.2	7169.4	7012.8	6741.5	6388.4	5977.9	6237.1	6805.9	7859.9	8517.3	8000.7
37.5°	7727.7	7656.4	7485.9	7198.9	6952.0	6564.1	6635.4	7205.9	8499.9	9324.3	8560.8
40°	8284.3	8181.6	7974.7	7691.2	7451.1	7251.1	7158.9	7696.4	9150.4	10225.3	9260.0
42.5°	8823.4	8726.0	8479.1	8237.3	7936.4	7879.0	7765.9	8270.3	9861.8	11215.0	9969.6
45°	9404.4	9287.8	8988.7	8682.5	8493.0	8296.4	8353.8	8844.3	10559.2	12223.7	10714.0
47.5°	9948.8	9818.3	9465.2	9124.3	9020.0	8647.8	8893.0	9475.7	11284.5	13246.5	11451.5
50°	10242.7	10114.0	9820.0	9512.2	9430.4	9080.8	9477.4	10169.6	12044.6	14265.7	12159.4
52.5°	10487.9	10348.8	9964.4	9794.0	9769.6	9552.2	10197.5	10962.8	12804.7	15166.6	12842.9
55°	10748.8	10594.0	10103.6	9950.5	10061.8	10080.9	11051.5	11862.0	13608.2	16045.0	13488.2
57.5°	11049.7	10853.2	10237.5	10082.7	10347.1	10700.1	12032.4	12794.2	14397.9	16859.0	14062.2
60°	11333.2	11135.0	10494.9	10293.1	10654.9	11418.5	13157.7	13923.0	15291.9	17584.2	14604.8
62.5°	11388.9	11225.4	10700.1	10698.4	11072.3	12256.8	14490.0	15062.3	16072.8	18300.8	15091.8
65°	10425.3	10322.7	10011.4	10682.7	11670.7	13463.9	15973.7	16519.8	17065.9	18927.0	15519.7
67.5°	7934.7	7948.6	7926.0	9221.7	11187.1	15197.9	18121.7	18079.9	18292.1	19629.7	16011.9
70°	3628.2	3709.9	4242.1	6365.8	8962.6	15398.0	21673.3	21132.4	19831.4	20539.3	16438.1
72.5°	1960.2	2022.8	2240.2	3083.8	5388.3	13690.0	24327.5	24711.9	21878.6	21151.5	15970.2
75°	1438.4	1473.2	1624.5	1960.2	2262.8	10174.9	23376.1	25348.5	22134.2	19723.6	13790.9
77.5°	1076.6	1092.3	1215.8	1553.2	1158.4	5364.0	18678.3	20993.3	18947.9	16205.0	10187.0
80°	780.9	798.3	890.5	1165.3	812.2	1961.9	12825.5	14735.3	12976.9	10329.7	5077.0
82.5°	539.2	546.1	586.1	793.1	567.0	761.8	7277.2	8640.8	7244.2	3624.7	1370.6
85°	325.2	333.9	351.3	462.7	321.8	361.8	3141.2	3249.0	2165.4	866.2	426.1
87.5°	133.9	142.6	156.5	194.8	127.0	100.9	518.3	650.5	405.3	253.9	132.2
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: P953763

CATALOG NUMBER: GALN-SB7B-722-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5	5934.5
2.5°	5943.2	5931.0	5897.9	5852.7	5811.0	5758.8	5736.2	5717.1	5699.7	5666.6	5651.0
5°	5979.7	5946.6	5857.9	5743.1	5612.7	5470.1	5330.9	5235.3	5153.5	5092.6	5042.2
7.5°	6035.3	5972.7	5811.0	5576.2	5277.0	4970.9	4694.4	4497.8	4350.0	4296.1	4202.1
10°	6092.7	6018.0	5736.2	5322.2	4805.7	4334.3	3967.3	3765.6	3647.3	3609.0	3549.9
12.5°	6160.6	6051.0	5619.7	4969.2	4278.7	3762.1	3442.1	3323.8	3262.9	3242.0	3247.3
15°	6259.7	6078.8	5444.0	4527.4	3776.0	3344.7	3137.7	3055.9	3024.6	3022.9	3029.8
17.5°	6334.5	6084.0	5170.9	4054.3	3389.9	3092.5	2922.0	2890.7	2911.6	2942.9	2955.1
20°	6418.0	6037.1	4812.6	3622.9	3118.6	2871.6	2800.3	2821.1	2871.6	2916.8	2932.4
22.5°	6477.1	5951.9	4379.5	3287.3	2883.7	2744.6	2741.1	2784.6	2812.4	2835.0	2847.2
25°	6529.3	5807.5	3920.4	3005.5	2690.7	2668.1	2706.3	2692.4	2673.3	2692.4	2704.6
27.5°	6567.6	5579.7	3509.9	2758.5	2555.0	2615.9	2593.3	2562.0	2560.2	2570.7	2588.1
30°	6555.4	5275.3	3172.5	2523.7	2459.4	2518.5	2464.6	2459.4	2454.1	2459.4	2478.5
32.5°	6555.4	4929.2	2913.3	2362.0	2398.5	2375.9	2370.7	2358.5	2337.6	2335.9	2358.5
35°	6591.9	4583.0	2690.7	2275.0	2348.0	2294.1	2297.6	2268.0	2224.6	2203.7	2224.6
37.5°	6666.7	4304.7	2469.8	2233.3	2259.3	2257.6	2243.7	2193.2	2116.7	2050.6	2073.2
40°	6847.6	4223.0	2318.5	2214.1	2217.6	2238.5	2201.9	2104.5	1930.6	1822.8	1836.7
42.5°	7131.1	4360.4	2285.4	2167.2	2189.8	2210.6	2139.3	1913.2	1789.7	1725.4	1725.4
45°	7491.1	4600.4	2356.7	2099.3	2123.7	2160.2	1948.0	1840.2	1784.5	1786.3	1795.0
47.5°	7946.8	4852.6	2488.9	2040.2	2028.0	2048.9	1821.0	1754.9	1678.4	1697.5	1746.2
50°	8473.8	5108.3	2614.2	1960.2	1921.9	1854.1	1739.3	1676.7	1579.3	1534.1	1546.2
52.5°	9044.3	5355.3	2664.6	1862.8	1807.1	1728.9	1683.6	1607.1	1488.8	1414.0	1412.3
55°	9585.2	5579.7	2608.9	1746.2	1692.3	1631.5	1624.5	1577.5	1450.6	1346.2	1346.2
57.5°	10096.6	5767.5	2469.8	1628.0	1575.8	1539.3	1586.2	1563.6	1403.6	1269.7	1262.7
60°	10529.7	5896.2	2268.0	1508.0	1471.4	1452.3	1523.6	1516.7	1337.5	1187.9	1182.7
62.5°	10874.1	5946.6	2045.4	1393.2	1384.5	1349.7	1436.7	1436.7	1254.0	1107.9	1102.7
65°	11143.6	5897.9	1819.3	1280.1	1297.5	1245.3	1330.6	1320.1	1165.3	1036.6	1029.7
67.5°	11381.9	5737.9	1568.8	1168.8	1208.8	1142.7	1219.2	1194.9	1067.9	965.3	958.4
70°	11488.0	5365.7	1283.6	1057.5	1106.2	1041.8	1107.9	1062.7	958.4	888.8	874.9
72.5°	10635.8	4459.5	1010.5	941.0	982.7	930.5	987.9	935.7	840.1	808.8	782.7
75°	8799.1	3346.4	777.5	814.0	845.3	805.3	843.6	805.3	718.3	740.9	676.6
77.5°	6390.2	2259.3	594.8	680.1	694.0	673.1	706.2	662.7	584.4	579.2	553.1
80°	3177.7	1323.6	466.1	537.4	532.2	518.3	556.6	535.7	469.6	497.4	492.2
82.5°	920.1	567.0	339.2	377.4	367.0	370.5	398.3	408.7	612.2	607.0	620.9
85°	288.7	222.6	203.5	210.5	200.0	205.2	234.8	466.1	431.3	252.2	273.1
87.5°	74.8	76.5	50.4	53.9	55.7	66.1	74.8	283.5	135.7	88.7	93.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)