

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: P949834

Luminaire Tested: **GALN-SB4C-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB4C-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24645 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 200.7
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



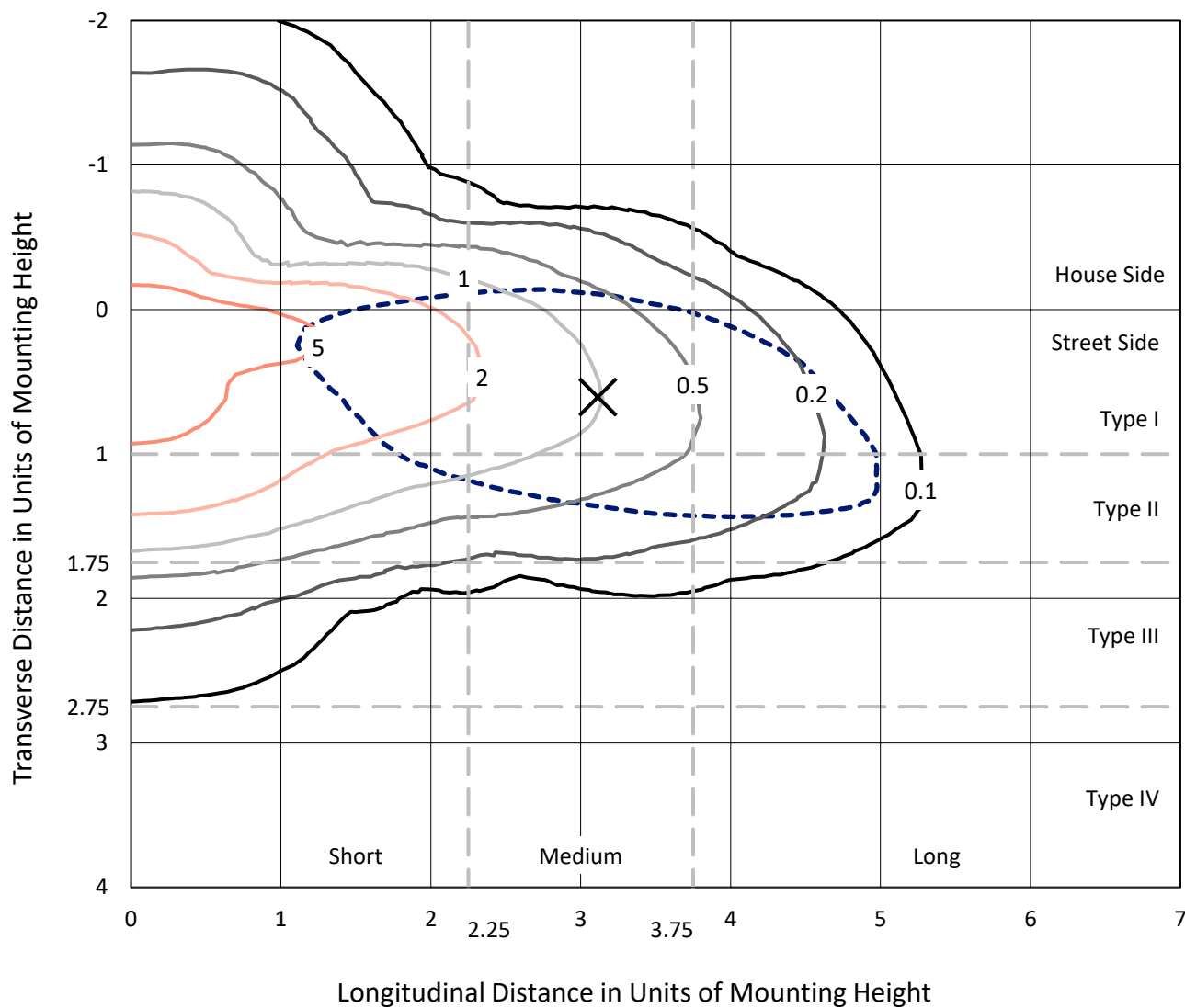
REPORT NUMBER: P949834

CATALOG NUMBER: GALN-SB4C-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

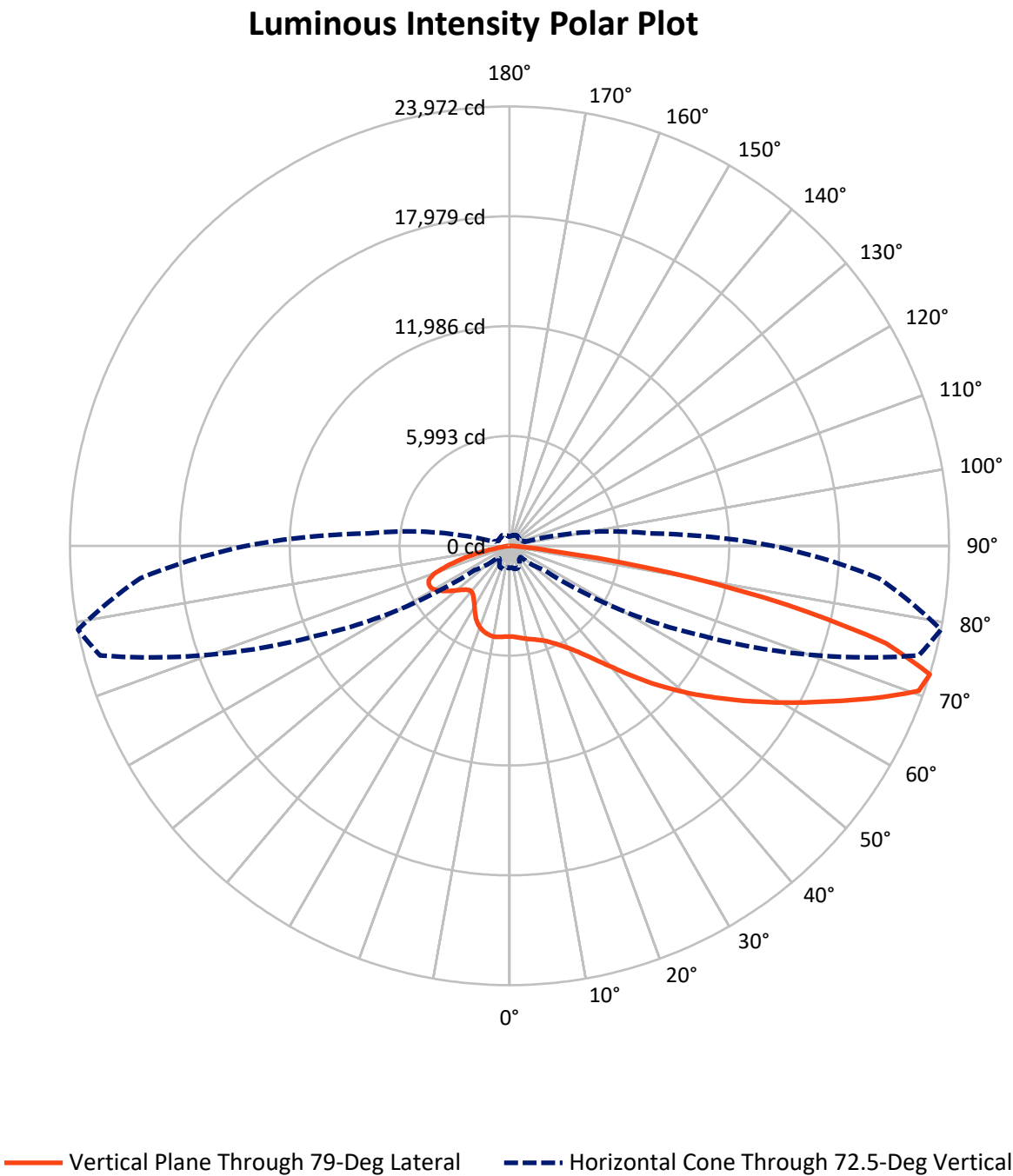
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type II - Medium - N/A

REPORT NUMBER: P949834
CATALOG NUMBER: GALN-SB4C-722-U-SL2



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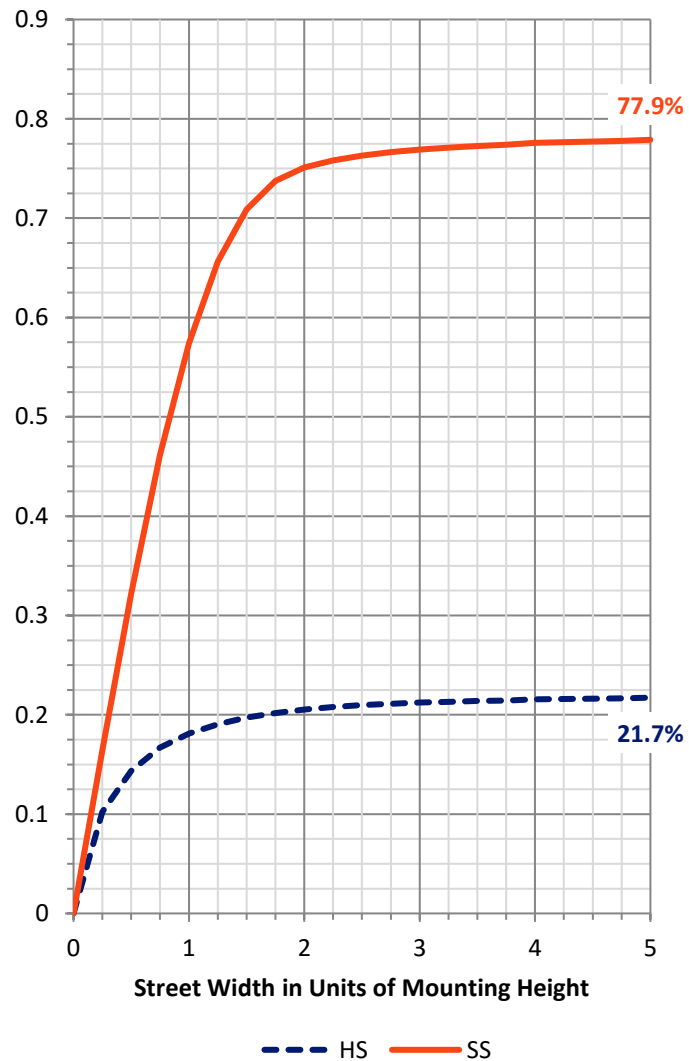
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5423.2	0.0	5423.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19221.7	0.0	19221.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	24645.0	0.0	24645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.1	1.8
10°-20°	1174.1	4.8
20°-30°	1894.5	7.7
30°-40°	2843.4	11.5
40°-50°	4033.5	16.4
50°-60°	5093.7	20.7
60°-70°	5173.4	21.0
70°-80°	3525.9	14.3
80°-90°	457.5	1.9
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°	24645.0	100.0
0°-180°	24645.0	100.0

Coefficient of Utilization



REPORT NUMBER: P949834

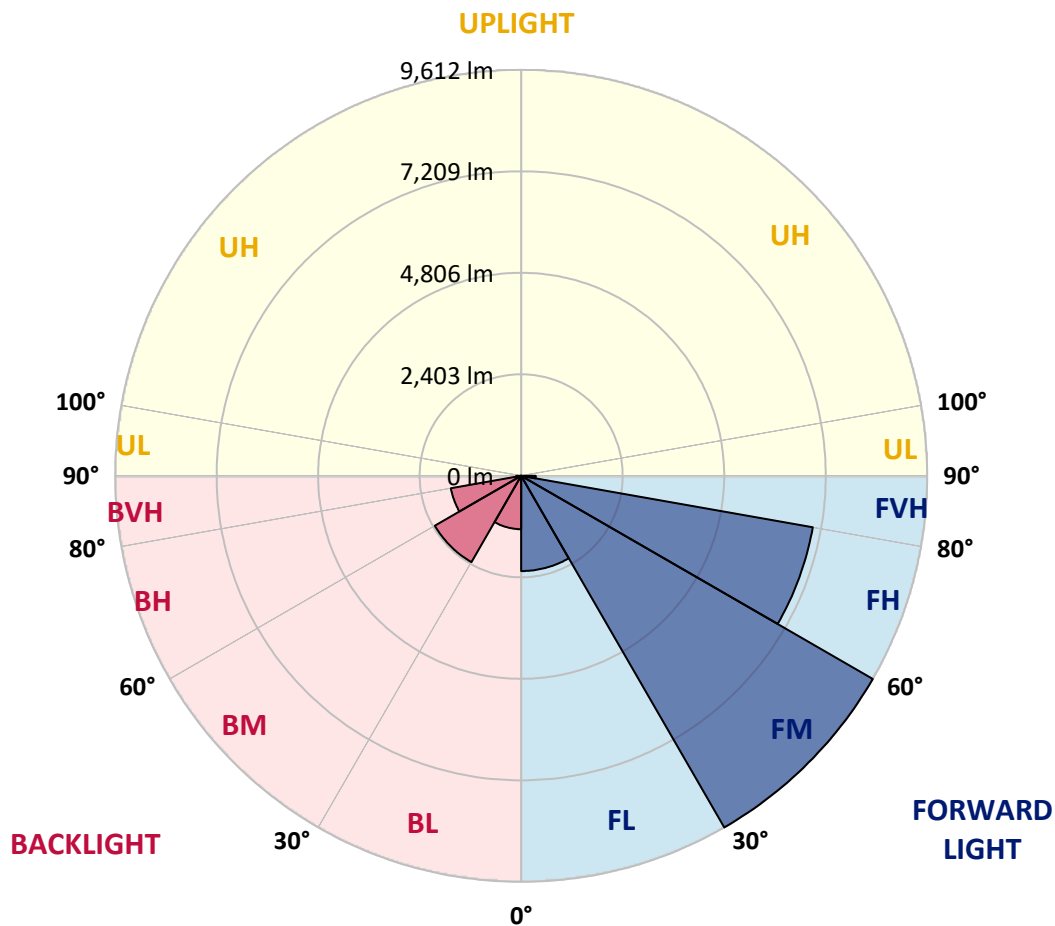
CATALOG NUMBER: GALN-SB4C-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2254.4	9.1			
FM	(30°-60°)	9612.0	39.0			
FH	(60°-80°)	7010.7	28.4			G3/7500
FVH	(80°-90°)	344.6	1.4			G3/500
BL	(0°-30°)	1263.2	5.1	B3/2500		
BM	(30°-60°)	2358.5	9.6	B2/2500		
BH	(60°-80°)	1688.6	6.9	B3/2500		G3/2500
BVH	(80°-90°)	112.8	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-G3

Type II Medium



REPORT NUMBER: P949834

CATALOG NUMBER: GALN-SB4C-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2
2.5°	4949.9	4926.4	4940.7	4935.5	4942.0	4949.9	4952.5	4956.4	4969.4	4968.1	4966.8
5°	4939.4	4916.0	4935.5	4929.0	4945.9	4964.2	4979.8	4994.2	5015.0	5024.2	5011.1
7.5°	4917.3	4901.6	4921.2	4940.7	4972.0	4999.4	5021.6	5054.1	5084.1	5089.3	5098.5
10°	4788.2	4776.5	4822.1	4872.9	4959.0	5033.3	5081.5	5119.3	5151.9	5157.1	5170.2
12.5°	4653.9	4639.6	4690.4	4759.5	4899.0	5033.3	5135.0	5184.5	5213.2	5230.1	5249.7
15°	4631.8	4620.0	4648.7	4708.7	4824.7	4998.1	5171.5	5262.7	5287.5	5307.0	5314.9
17.5°	4738.7	4716.5	4728.2	4749.1	4816.9	4965.5	5200.2	5351.4	5389.2	5410.0	5410.0
20°	4986.4	4955.1	4936.8	4895.1	4883.4	4970.7	5197.5	5458.3	5507.8	5533.9	5540.4
22.5°	5316.2	5295.3	5256.2	5150.6	5035.9	5034.6	5247.1	5595.2	5687.7	5712.5	5696.8
25°	5715.1	5683.8	5634.3	5490.9	5270.5	5161.0	5330.5	5769.8	5925.0	5931.5	5885.9
27.5°	6174.0	6127.0	6059.2	5870.2	5573.0	5359.2	5458.3	5970.6	6197.4	6194.8	6101.0
30°	6657.6	6610.7	6539.0	6309.5	5935.4	5626.4	5635.6	6187.0	6520.7	6506.4	6346.0
32.5°	7010.9	6975.7	6961.3	6784.1	6352.6	5941.9	5838.9	6426.9	6919.6	6906.6	6682.4
35°	7282.0	7236.4	7253.4	7163.4	6807.5	6295.2	6087.9	6712.4	7404.6	7403.3	7124.3
37.5°	7550.6	7510.2	7524.5	7464.5	7228.6	6743.6	6391.7	7061.7	8005.5	8034.2	7658.8
40°	7795.7	7752.6	7810.0	7753.9	7555.8	7220.8	6737.1	7456.7	8701.7	8756.4	8305.4
42.5°	7943.0	7909.1	8004.2	8005.5	7840.0	7623.6	7116.5	7892.1	9507.3	9629.9	9100.6
45°	7993.8	7982.1	8125.5	8155.5	8091.6	7856.9	7458.0	8366.7	10375.5	10594.5	10006.6
47.5°	7939.1	7916.9	8115.1	8225.9	8276.7	7966.4	7740.9	8880.3	11262.0	11582.7	10994.8
50°	7662.7	7619.7	7914.3	8147.6	8328.8	8038.1	8026.4	9473.4	12269.7	12620.4	11988.1
52.5°	7166.0	7133.4	7468.5	7873.9	8214.1	8073.3	8347.1	10121.3	13226.6	13680.2	13006.2
55°	6531.2	6488.1	6857.1	7386.3	7928.6	8061.6	8667.8	10846.1	14355.5	14815.7	14058.3
57.5°	5524.8	5438.7	5905.4	6531.2	7463.2	8047.3	9001.5	11567.0	15502.7	16054.1	15180.7
60°	4056.9	3929.1	4501.4	5243.2	6553.3	7907.8	9414.8	12375.3	16879.3	17376.0	16406.1
62.5°	2362.2	2287.9	2662.0	3354.2	4939.4	7086.5	9646.8	13315.2	18232.5	18753.9	17610.6
65°	1834.2	1813.3	1845.9	1899.4	2749.3	5305.7	8931.1	14231.7	19953.3	20318.3	18866.0
67.5°	1677.8	1662.1	1676.5	1576.1	1394.9	2955.3	7065.6	14463.7	21796.6	22018.2	19965.0
70°	1491.3	1473.1	1520.0	1434.0	1097.7	1344.0	4565.3	13621.6	23263.2	23679.0	20800.6
72.5°	1215.0	1194.1	1303.6	1264.5	924.3	863.0	2293.1	11620.5	23109.3	23972.3	20202.2
75°	933.4	921.7	1052.0	1084.6	753.5	679.2	1100.3	8637.8	20336.5	21206.0	17411.2
77.5°	724.8	715.7	782.2	900.8	607.5	526.7	676.6	5479.1	15325.4	15477.9	11998.5
80°	543.6	517.5	578.8	697.4	473.2	384.6	458.9	3195.2	9687.2	8781.2	5222.3
82.5°	340.2	327.2	378.1	465.4	333.7	264.6	298.5	1765.1	3882.2	2286.6	1007.7
85°	194.2	189.0	206.0	265.9	181.2	152.5	170.8	779.6	709.2	487.6	303.7
87.5°	78.2	75.6	93.9	118.6	66.5	56.1	60.0	187.7	156.4	144.7	100.4
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: P949834

CATALOG NUMBER: GALN-SB4C-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2	4947.2
2.5°	4961.6	4961.6	4943.3	4914.7	4882.1	4861.2	4827.3	4818.2	4783.0	4772.6	4789.5
5°	5021.6	5011.1	4955.1	4874.2	4763.4	4661.8	4549.6	4479.2	4380.2	4345.0	4371.0
7.5°	5097.2	5068.5	4972.0	4794.7	4562.7	4334.5	4097.3	3917.4	3745.3	3684.0	3691.9
10°	5166.3	5125.8	4961.6	4651.3	4249.8	3854.8	3476.8	3212.1	3011.4	2929.2	2947.5
12.5°	5235.4	5161.0	4892.5	4412.8	3805.3	3269.5	2866.7	2660.7	2536.9	2437.8	2470.4
15°	5300.5	5196.2	4785.6	4093.4	3317.7	2774.1	2476.9	2312.6	2213.6	2148.4	2160.1
17.5°	5376.1	5226.2	4625.3	3687.9	2853.6	2431.3	2188.8	2089.7	2070.2	2062.3	2067.5
20°	5481.7	5253.6	4414.1	3234.3	2512.1	2157.5	2032.3	2023.2	2021.9	2018.0	2031.0
22.5°	5595.2	5286.2	4135.1	2822.3	2221.4	1986.7	1964.6	1946.3	1934.6	1933.3	1947.6
25°	5729.4	5296.6	3785.7	2484.7	1973.7	1905.9	1879.8	1852.4	1844.6	1844.6	1852.4
27.5°	5859.8	5261.4	3379.0	2191.4	1834.2	1831.6	1797.7	1788.6	1787.3	1791.2	1801.6
30°	5990.1	5194.9	2974.9	1920.2	1753.4	1753.4	1741.6	1748.2	1753.4	1766.4	1775.5
32.5°	6166.1	5124.5	2637.2	1719.5	1683.0	1669.9	1681.7	1694.7	1699.9	1716.9	1731.2
35°	6424.3	5075.0	2368.7	1610.0	1610.0	1593.0	1599.5	1596.9	1585.2	1577.4	1595.6
37.5°	6765.8	5072.4	2147.1	1559.1	1548.7	1546.1	1547.4	1530.5	1484.8	1430.1	1431.4
40°	7176.4	5142.8	1976.3	1523.9	1516.1	1531.8	1523.9	1478.3	1353.2	1258.0	1255.4
42.5°	7727.9	5343.6	1866.8	1480.9	1504.4	1523.9	1492.6	1334.9	1250.2	1186.3	1183.7
45°	8377.1	5669.5	1810.7	1435.3	1482.2	1505.7	1354.5	1285.4	1217.6	1140.7	1135.5
47.5°	9112.3	6080.1	1797.7	1392.3	1432.7	1447.0	1295.8	1264.5	1187.6	1104.2	1097.7
50°	9912.7	6566.3	1832.9	1341.4	1361.0	1311.4	1276.2	1247.6	1168.0	1085.9	1076.8
52.5°	10740.6	7102.1	1903.3	1272.3	1289.3	1234.5	1268.4	1243.7	1156.3	1045.5	1037.7
55°	11554.0	7641.8	1971.1	1191.5	1216.3	1165.4	1246.3	1228.0	1102.9	977.7	971.2
57.5°	12380.5	8178.9	2037.6	1119.8	1145.9	1099.0	1211.1	1186.3	1042.9	915.1	912.5
60°	13239.6	8700.4	2068.8	1050.7	1069.0	1037.7	1157.6	1114.6	975.1	851.3	847.4
62.5°	14043.9	9134.5	2018.0	981.6	993.4	980.3	1087.2	1029.9	907.3	779.6	778.3
65°	14850.9	9392.6	1861.6	913.8	916.4	909.9	988.1	938.6	827.8	717.0	709.2
67.5°	15582.2	9537.3	1612.6	840.8	834.3	831.7	895.6	839.5	750.9	654.4	646.6
70°	15737.3	9169.7	1231.9	754.8	754.8	748.3	793.9	736.5	666.2	587.9	585.3
72.5°	14373.7	7713.5	874.7	657.0	667.5	654.4	692.2	644.0	580.1	528.0	512.3
75°	11590.5	5656.4	636.2	556.6	574.9	552.7	587.9	554.0	499.3	498.0	448.4
77.5°	7963.8	3497.6	461.5	458.9	471.9	443.2	483.6	465.4	415.9	393.7	368.9
80°	3398.5	1394.9	336.3	354.6	354.6	328.5	375.4	380.7	337.6	327.2	327.2
82.5°	676.6	396.3	236.0	243.8	229.4	221.6	265.9	294.6	406.7	452.4	453.7
85°	203.4	146.0	142.1	133.0	117.3	118.6	156.4	295.9	365.0	208.6	179.9
87.5°	56.1	36.5	37.8	30.0	24.8	32.6	53.4	224.2	122.5	52.1	44.3
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)