

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: P951264

Luminaire Tested: **GALN-SB5C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951264
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-SB5C-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30543 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 249.5
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



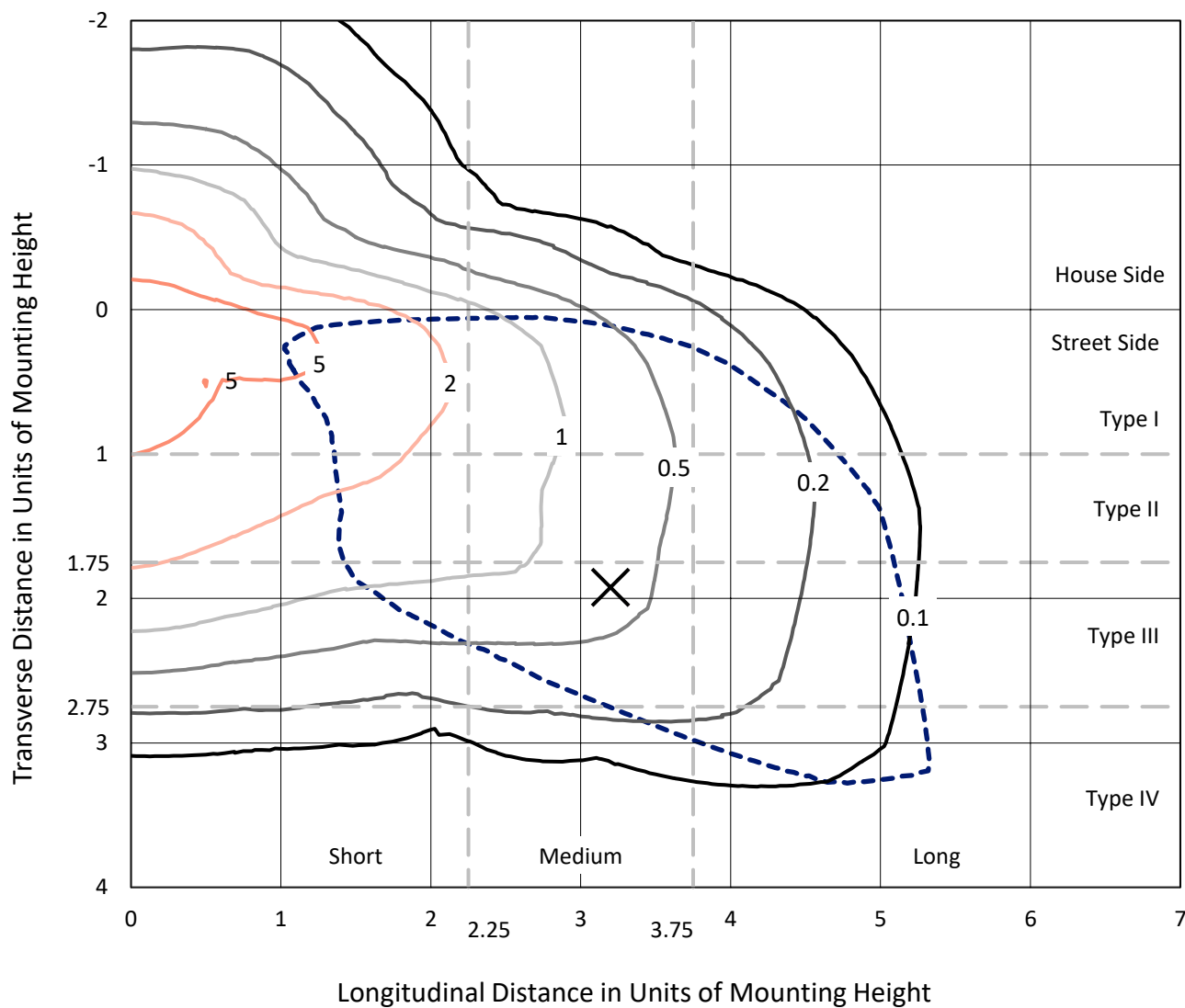
REPORT NUMBER: P951264

CATALOG NUMBER: GALN-SB5C-722-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

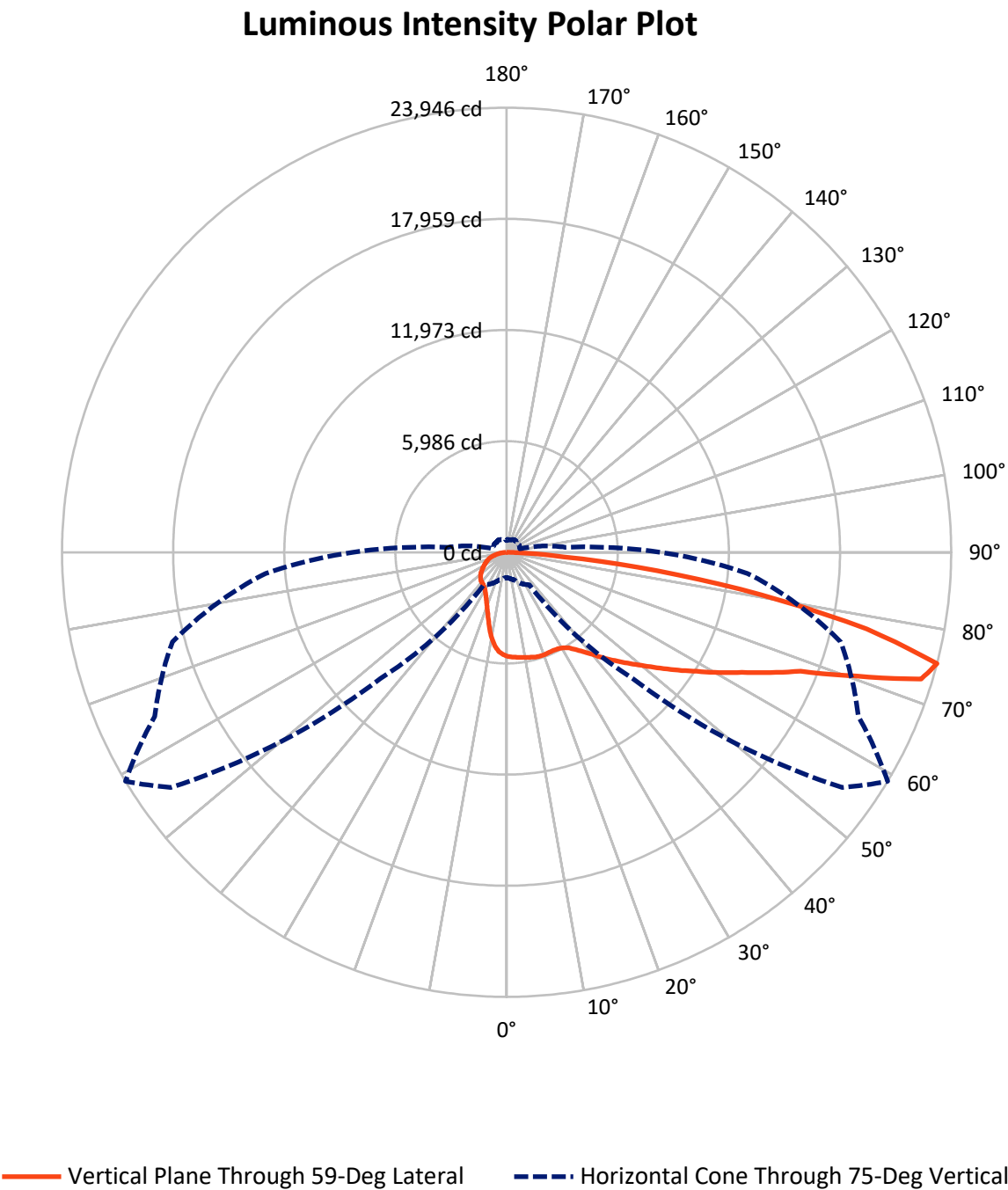
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc

Type IV - Medium - N/A

REPORT NUMBER: P951264
CATALOG NUMBER: GALN-SB5C-722-U-SL3



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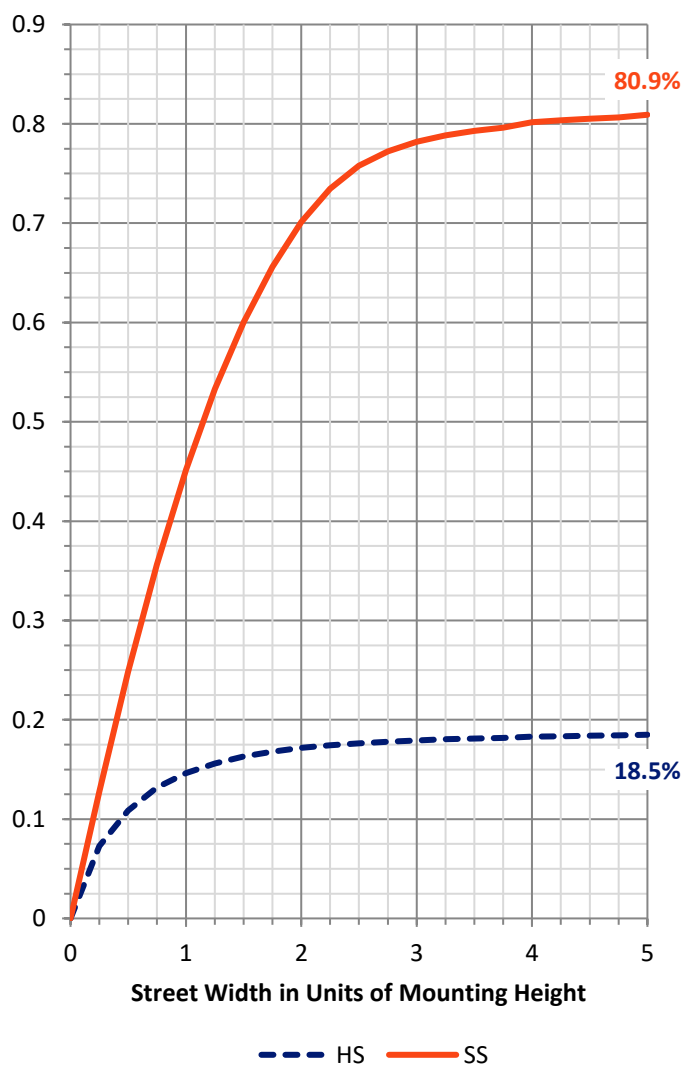
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5728.5	0.0	5728.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	24814.5	0.0	24814.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	30543.0	0.0	30543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.7	1.6
10°-20°	1284.9	4.2
20°-30°	1951.6	6.4
30°-40°	2901.0	9.5
40°-50°	4314.4	14.1
50°-60°	5856.2	19.2
60°-70°	7149.5	23.4
70°-80°	5610.8	18.4
80°-90°	971.9	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°	30543.0	100.0
0°-180°	30543.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951264

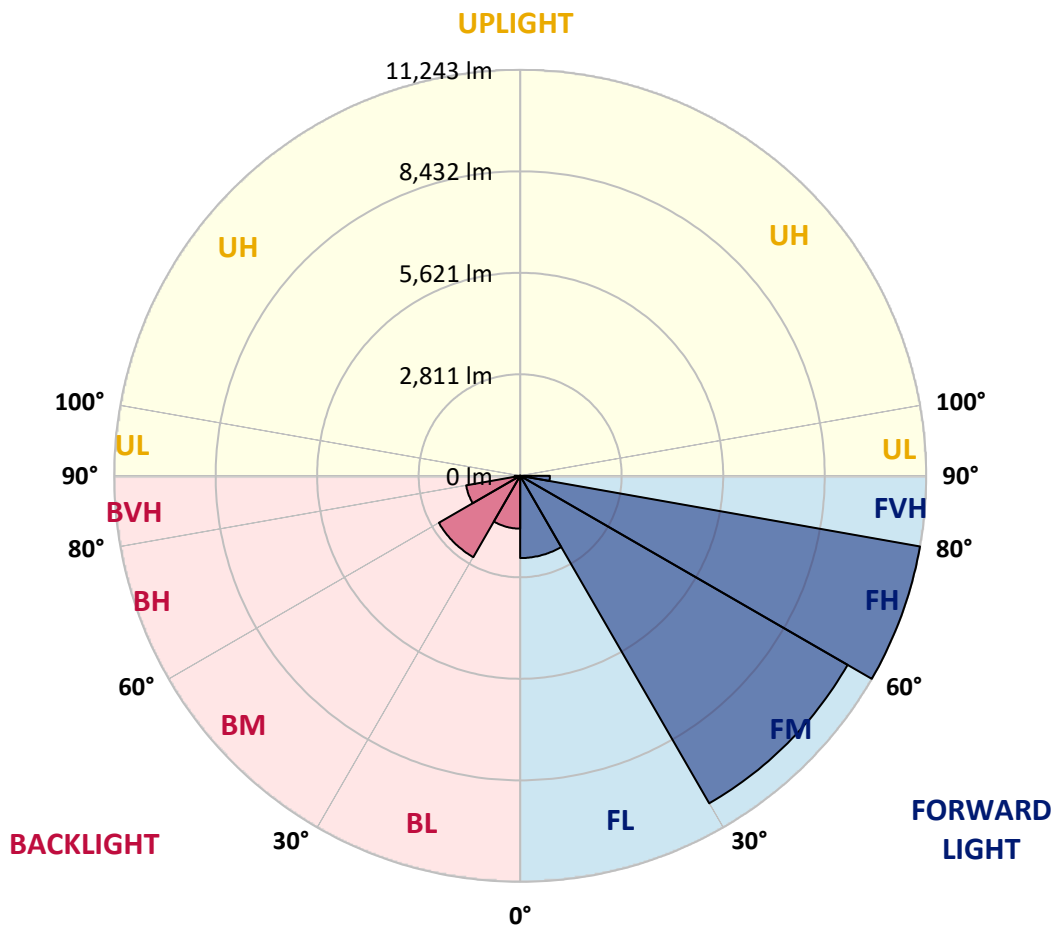
CATALOG NUMBER: GALN-SB5C-722-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2277.3	7.5			
FM	(30°-60°)	10471.4	34.3			
FH	(60°-80°)	11242.6	36.8			G4/12000
FVH	(80°-90°)	823.1	2.7			G5
BL	(0°-30°)	1461.9	4.8	B3/2500		
BM	(30°-60°)	2600.2	8.5	B3/5000		
BH	(60°-80°)	1517.7	5.0	B3/2500		G3/2500
BVH	(80°-90°)	148.8	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-G5

Type IV Medium



REPORT NUMBER: P951264

CATALOG NUMBER: GALN-SB5C-722-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1
2.5°	5653.7	5634.0	5653.7	5645.5	5642.2	5635.7	5637.3	5648.8	5642.2	5650.5	5622.5
5°	5616.0	5604.5	5624.2	5619.2	5640.6	5643.9	5665.2	5678.4	5686.6	5688.3	5666.9
7.5°	5553.5	5542.0	5570.0	5593.0	5639.0	5652.1	5696.5	5717.8	5729.3	5749.0	5717.8
10°	5325.1	5320.2	5389.2	5476.3	5584.7	5652.1	5719.5	5755.6	5773.7	5826.3	5790.1
12.5°	4920.9	4927.5	5017.9	5185.5	5402.4	5619.2	5745.8	5798.3	5826.3	5892.0	5875.6
15°	4534.8	4533.2	4631.8	4810.9	5114.8	5474.7	5758.9	5849.3	5896.9	5993.9	5980.7
17.5°	4311.4	4304.8	4373.8	4510.2	4792.8	5252.8	5726.0	5877.2	5979.1	6100.7	6089.2
20°	4270.3	4257.2	4293.3	4360.7	4561.1	5009.7	5640.6	5877.2	6044.8	6202.5	6196.0
22.5°	4419.8	4398.5	4383.7	4375.5	4464.2	4809.2	5543.7	5857.5	6141.7	6348.8	6337.3
25°	4720.5	4687.6	4612.1	4538.1	4511.8	4718.9	5458.2	5852.6	6286.3	6545.9	6503.2
27.5°	5206.8	5165.8	5013.0	4835.5	4676.1	4764.9	5420.4	5882.1	6445.7	6754.6	6669.2
30°	5809.8	5765.5	5573.2	5300.5	5014.6	4935.7	5468.1	5969.2	6649.4	7032.3	6864.7
32.5°	6350.4	6301.1	6136.8	5859.1	5473.0	5231.5	5619.2	6135.2	6969.8	7418.4	7158.8
35°	6830.2	6772.7	6624.8	6368.5	6034.9	5647.2	5892.0	6429.3	7425.0	8046.0	7558.0
37.5°	7300.1	7232.7	7071.7	6800.6	6567.3	6200.9	6268.3	6807.2	8029.6	8808.4	8087.1
40°	7825.9	7728.9	7533.4	7265.6	7038.8	6849.9	6762.8	7270.5	8644.1	9659.5	8747.6
42.5°	8335.2	8243.2	8009.9	7781.5	7497.3	7443.0	7336.2	7812.7	9316.1	10594.4	9418.0
45°	8884.0	8773.9	8491.3	8202.1	8023.0	7837.4	7891.6	8354.9	9975.0	11547.4	10121.2
47.5°	9398.3	9275.0	8941.5	8619.5	8520.9	8169.3	8400.9	8951.4	10660.1	12513.5	10817.9
50°	9675.9	9554.4	9276.7	8985.9	8908.6	8578.4	8953.0	9606.9	11378.1	13476.3	11486.6
52.5°	9907.6	9776.2	9413.1	9252.0	9229.0	9023.7	9633.2	10356.2	12096.2	14327.4	12132.3
55°	10154.1	10007.8	9544.5	9399.9	9505.1	9523.1	10440.0	11205.6	12855.3	15157.2	12741.9
57.5°	10438.3	10252.7	9671.0	9524.8	9774.5	10108.1	11366.6	12086.3	13601.2	15926.1	13284.1
60°	10706.1	10518.8	9914.2	9723.6	10065.3	10786.6	12429.7	13152.6	14445.7	16611.3	13796.7
62.5°	10758.7	10604.3	10108.1	10106.4	10459.7	11578.6	13688.3	14228.8	15183.5	17288.2	14256.8
65°	9848.5	9751.5	9457.4	10091.6	11024.9	12718.9	15089.8	15605.7	16121.6	17879.7	14661.0
67.5°	7495.6	7508.8	7487.4	8711.5	10568.1	14357.0	17119.0	17079.5	17280.0	18543.5	15126.0
70°	3427.4	3504.6	4007.4	6013.6	8466.7	14546.0	20474.1	19963.1	18734.1	19402.8	15528.5
72.5°	1851.7	1910.9	2116.3	2913.1	5090.2	12932.5	22981.4	23344.5	20668.0	19981.2	15086.5
75°	1358.8	1391.7	1534.6	1851.7	2137.6	9611.9	22082.6	23945.9	20909.5	18632.2	13027.8
77.5°	1017.1	1031.8	1148.5	1467.2	1094.3	5067.2	17644.8	19831.7	17899.4	15308.3	9623.4
80°	737.7	754.2	841.2	1100.8	767.3	1853.4	12115.9	13920.0	12258.8	9758.1	4796.1
82.5°	509.3	515.9	553.7	749.2	535.6	719.7	6874.5	8162.7	6843.3	3424.1	1294.7
85°	307.3	315.5	331.9	437.1	304.0	341.8	2967.4	3069.2	2045.6	818.2	402.5
87.5°	126.5	134.7	147.9	184.0	119.9	95.3	489.6	614.5	382.8	239.9	124.9
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: P951264

CATALOG NUMBER: GALN-SB5C-722-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1	5606.1
2.5°	5614.3	5602.8	5571.6	5528.9	5489.4	5440.2	5418.8	5400.7	5384.3	5353.1	5338.3
5°	5648.8	5617.6	5533.8	5425.4	5302.1	5167.4	5036.0	4945.6	4868.4	4810.9	4763.2
7.5°	5701.4	5642.2	5489.4	5267.6	4985.0	4695.8	4434.6	4248.9	4109.3	4058.3	3969.6
10°	5755.6	5685.0	5418.8	5027.7	4539.8	4094.5	3747.8	3557.2	3445.5	3409.3	3353.5
12.5°	5819.7	5716.2	5308.7	4694.2	4041.9	3553.9	3251.6	3139.9	3082.4	3062.7	3067.6
15°	5913.4	5742.5	5142.8	4276.9	3567.1	3159.6	2964.1	2886.8	2857.3	2855.6	2862.2
17.5°	5984.0	5747.4	4884.8	3830.0	3202.3	2921.3	2760.3	2730.8	2750.5	2780.0	2791.5
20°	6062.9	5703.0	4546.3	3422.5	2946.0	2712.7	2645.3	2665.0	2712.7	2755.4	2770.2
22.5°	6118.7	5622.5	4137.2	3105.4	2724.2	2592.7	2589.5	2630.5	2656.8	2678.2	2689.7
25°	6168.0	5486.2	3703.4	2839.2	2541.8	2520.4	2556.6	2543.4	2525.4	2543.4	2554.9
27.5°	6204.2	5270.9	3315.7	2605.9	2413.6	2471.2	2449.8	2420.2	2418.6	2428.4	2444.9
30°	6192.7	4983.4	2996.9	2384.1	2323.3	2379.1	2328.2	2323.3	2318.3	2323.3	2341.4
32.5°	6192.7	4656.4	2752.1	2231.3	2265.8	2244.4	2239.5	2228.0	2208.3	2206.6	2228.0
35°	6227.2	4329.4	2541.8	2149.1	2218.1	2167.2	2170.5	2142.5	2101.5	2081.7	2101.5
37.5°	6297.8	4066.6	2333.1	2109.7	2134.3	2132.7	2119.5	2071.9	1999.6	1937.2	1958.5
40°	6468.7	3989.3	2190.2	2091.6	2094.9	2114.6	2080.1	1988.1	1823.8	1721.9	1735.1
42.5°	6736.5	4119.1	2159.0	2047.2	2068.6	2088.3	2021.0	1807.4	1690.7	1629.9	1629.9
45°	7076.6	4345.9	2226.3	1983.2	2006.2	2040.7	1840.2	1738.4	1685.8	1687.4	1695.6
47.5°	7507.1	4584.1	2351.2	1927.3	1915.8	1935.5	1720.3	1657.8	1585.5	1603.6	1649.6
50°	8005.0	4825.6	2469.5	1851.7	1815.6	1751.5	1643.1	1583.9	1491.9	1449.2	1460.7
52.5°	8543.9	5059.0	2517.2	1759.7	1707.1	1633.2	1590.5	1518.2	1406.5	1335.8	1334.2
55°	9054.9	5270.9	2464.6	1649.6	1598.7	1541.2	1534.6	1490.2	1370.3	1271.7	1271.7
57.5°	9537.9	5448.4	2333.1	1537.9	1488.6	1454.1	1498.5	1477.1	1325.9	1199.4	1192.9
60°	9947.0	5570.0	2142.5	1424.5	1390.0	1371.9	1439.3	1432.7	1263.5	1122.2	1117.3
62.5°	10272.4	5617.6	1932.2	1316.1	1307.9	1275.0	1357.2	1357.2	1184.6	1046.6	1041.7
65°	10527.0	5571.6	1718.6	1209.3	1225.7	1176.4	1256.9	1247.1	1100.8	979.3	972.7
67.5°	10752.1	5420.4	1482.0	1104.1	1141.9	1079.5	1151.8	1128.8	1008.8	911.9	905.3
70°	10852.4	5068.8	1212.6	999.0	1045.0	984.2	1046.6	1003.9	905.3	839.6	826.5
72.5°	10047.3	4212.8	954.6	888.9	928.3	879.0	933.3	884.0	793.6	764.0	739.4
75°	8312.2	3161.2	734.4	768.9	798.5	760.7	796.9	760.7	678.6	699.9	639.1
77.5°	6036.6	2134.3	561.9	642.4	655.6	635.9	667.1	626.0	552.1	547.1	522.5
80°	3001.9	1250.4	440.3	507.7	502.8	489.6	525.8	506.1	443.6	469.9	465.0
82.5°	869.2	535.6	320.4	356.5	346.7	350.0	376.3	386.1	578.4	573.4	586.6
85°	272.7	210.3	192.2	198.8	189.0	193.9	221.8	440.3	407.5	238.2	258.0
87.5°	70.7	72.3	47.6	50.9	52.6	62.4	70.7	267.8	128.2	83.8	88.7
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)