

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: P954118

Luminaire Tested: **GALN-SB7C-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954118
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-SB7C-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 43731 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 350.5
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

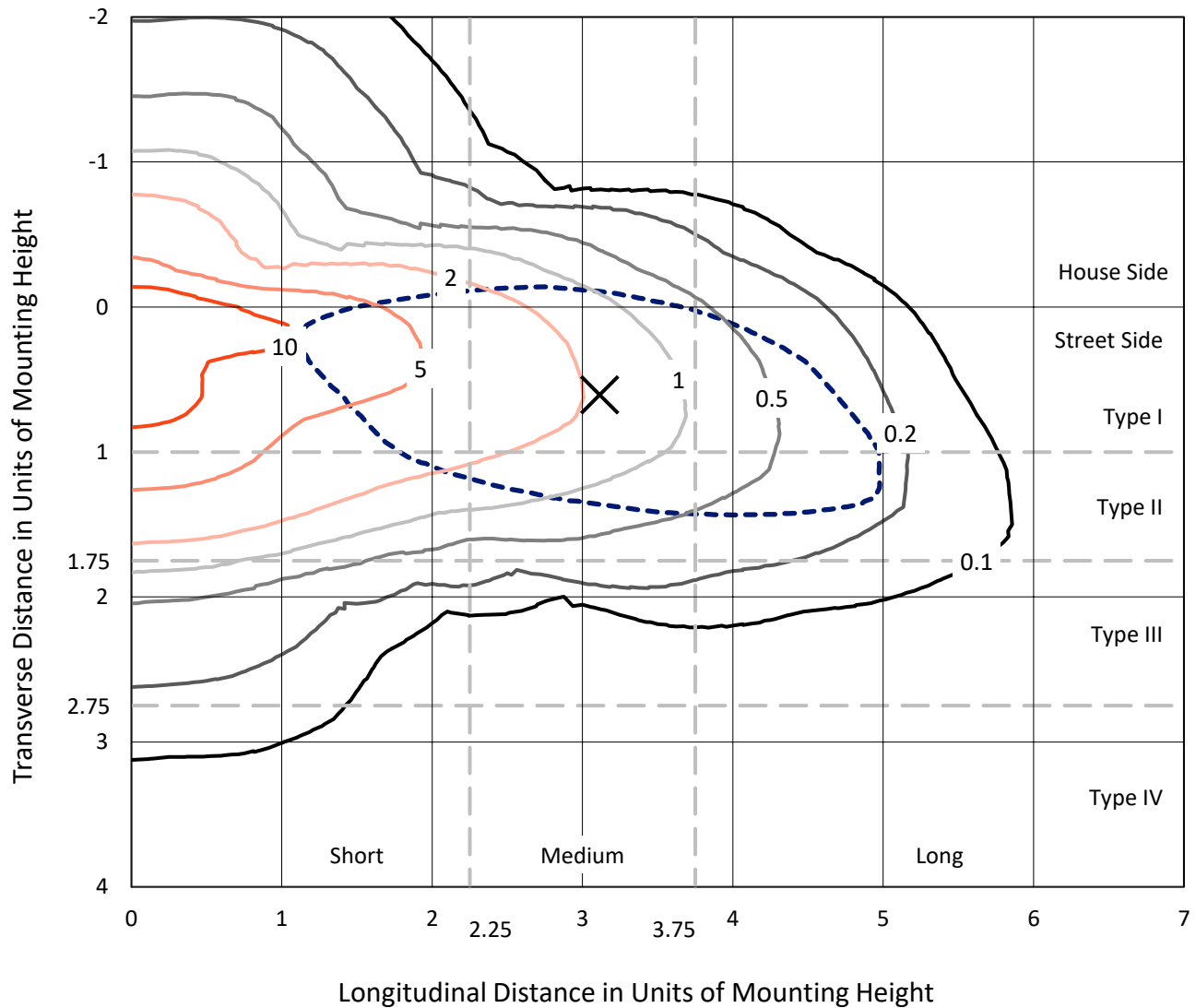


REPORT NUMBER: P954118

CATALOG NUMBER: GALN-SB7C-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

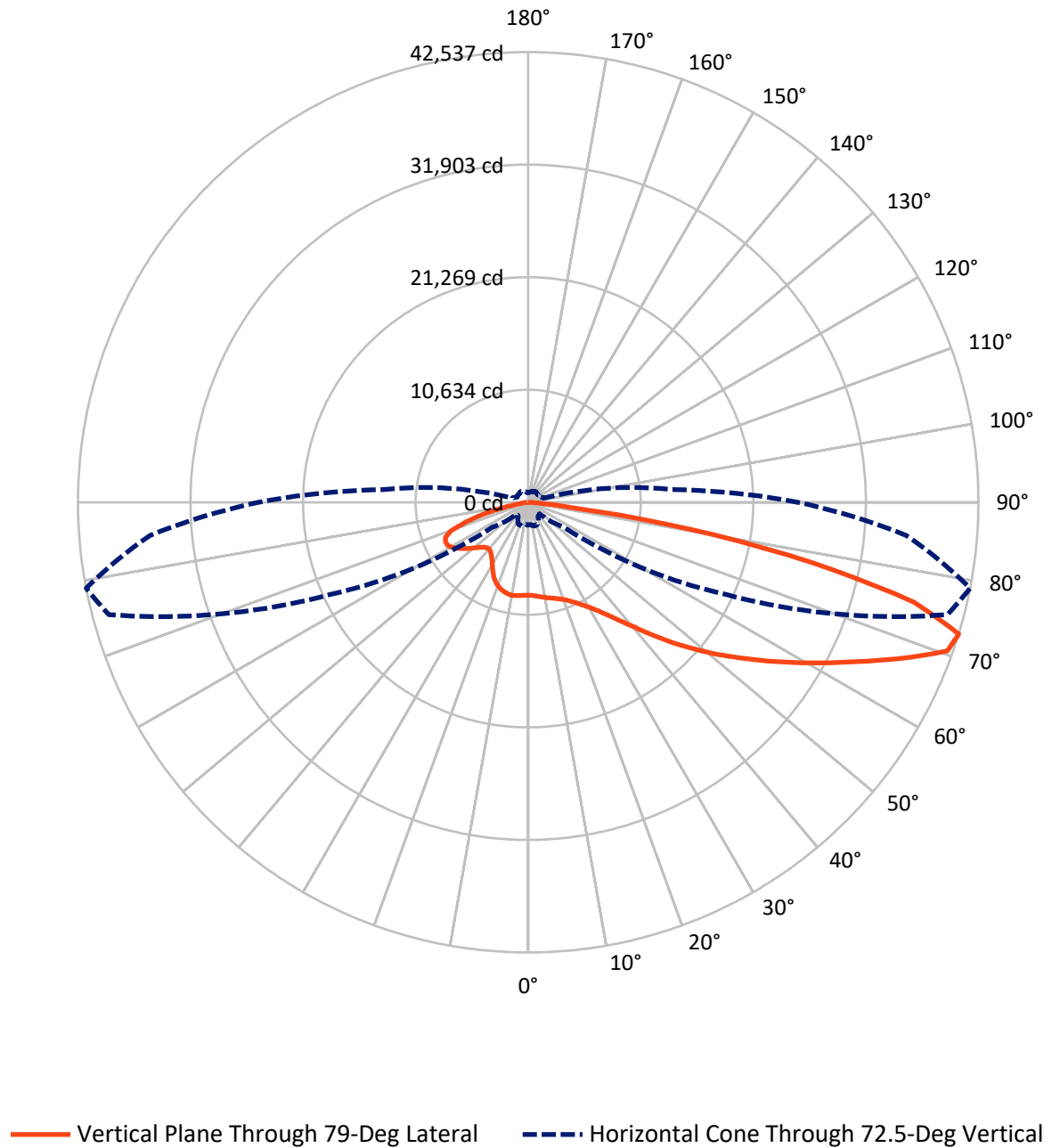
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
Type II - Medium - N/A

REPORT NUMBER: P954118
CATALOG NUMBER: GALN-SB7C-722-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P954118

CATALOG NUMBER: GALN-SB7C-722-U-SL2

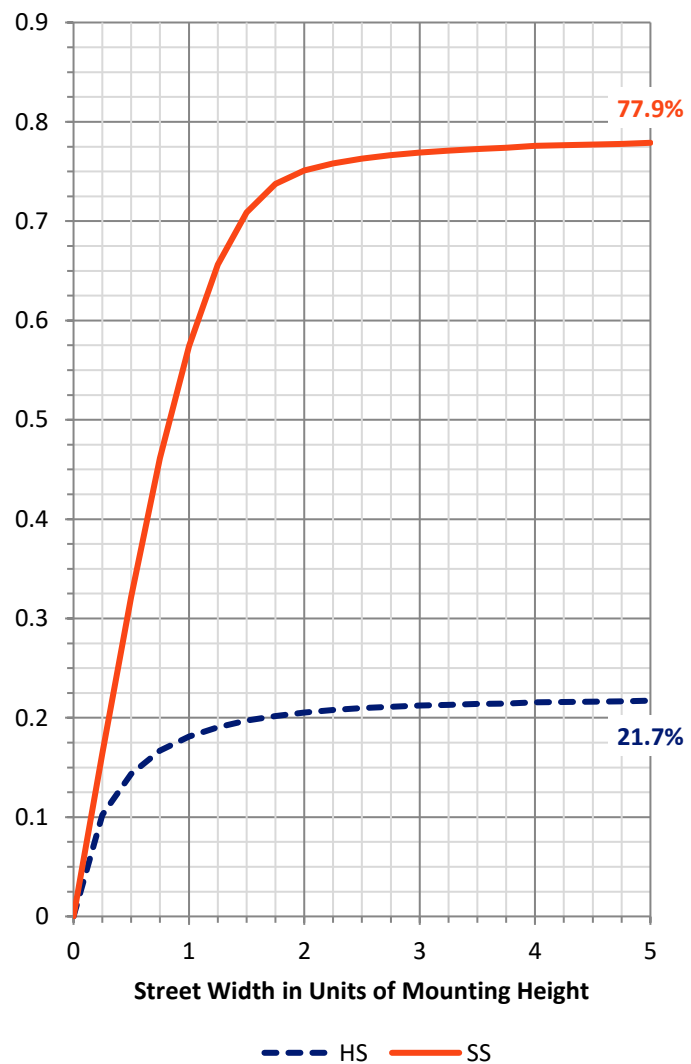
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9623.2	0.0	9623.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	34107.8	0.0	34107.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	43731.0	0.0	43731.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	796.8	1.8
10°-20°	2083.3	4.8
20°-30°	3361.7	7.7
30°-40°	5045.4	11.5
40°-50°	7157.2	16.4
50°-60°	9038.5	20.7
60°-70°	9179.9	21.0
70°-80°	6256.5	14.3
80°-90°	811.7	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°	43731.0	100.0
0°-180°	43731.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954118

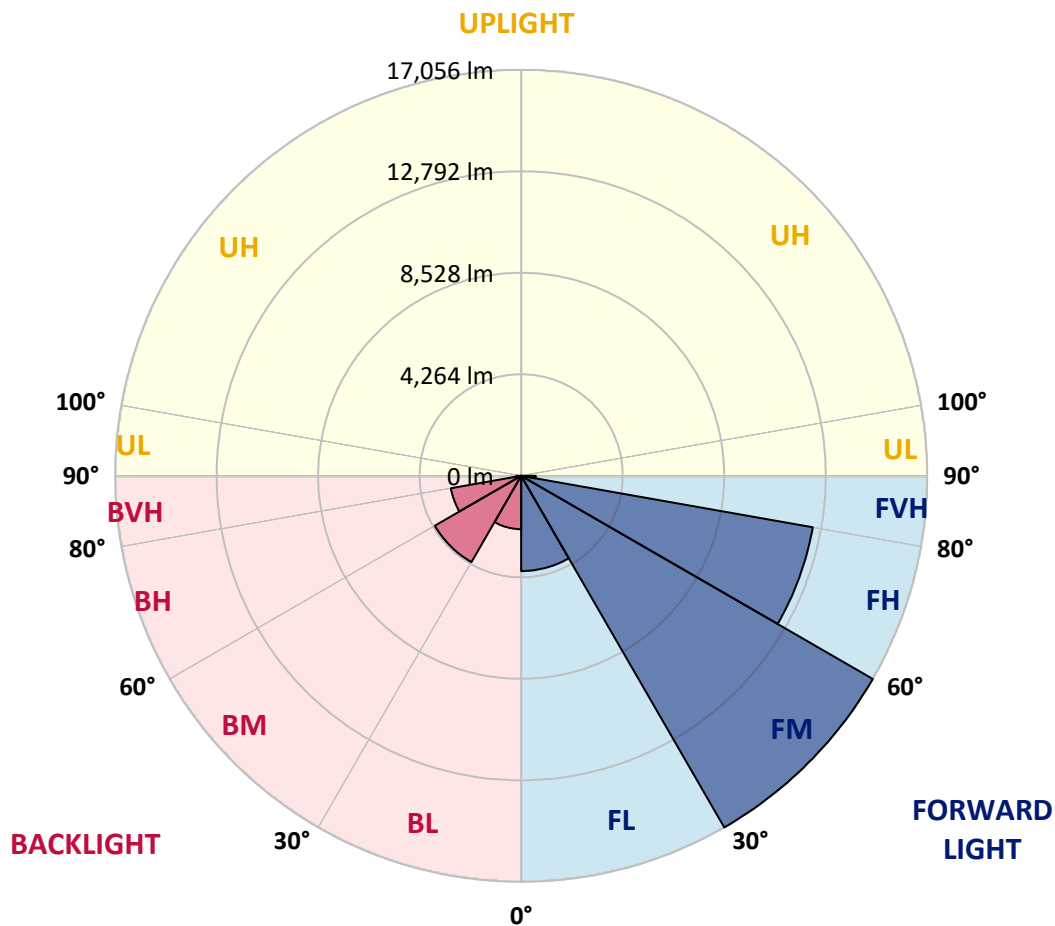
CATALOG NUMBER: GALN-SB7C-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4000.3	9.1			
FM	(30°-60°)	17056.0	39.0			
FH	(60°-80°)	12440.0	28.4			G5
FVH	(80°-90°)	611.5	1.4			G4/750
BL	(0°-30°)	2241.5	5.1	B3/2500		
BM	(30°-60°)	4185.1	9.6	B3/5000		
BH	(60°-80°)	2996.4	6.9	B4/5000		G4/5000
BVH	(80°-90°)	200.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



REPORT NUMBER: P954118

CATALOG NUMBER: GALN-SB7C-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6
2.5°	8783.2	8741.6	8767.0	8757.8	8769.3	8783.2	8787.8	8794.8	8817.9	8815.6	8813.3
5°	8764.7	8723.1	8757.8	8746.2	8776.3	8808.7	8836.4	8861.9	8898.9	8915.1	8891.9
7.5°	8725.4	8697.6	8732.3	8767.0	8822.5	8871.1	8910.4	8968.3	9021.5	9030.7	9046.9
10°	8496.4	8475.6	8556.5	8646.7	8799.4	8931.3	9016.8	9083.9	9141.8	9151.0	9174.1
12.5°	8258.1	8232.7	8322.9	8445.5	8693.0	8931.3	9111.7	9199.6	9250.5	9280.5	9315.2
15°	8218.8	8198.0	8248.9	8355.3	8561.1	8868.8	9176.5	9338.4	9382.3	9417.0	9430.9
17.5°	8408.5	8369.1	8390.0	8427.0	8547.3	8811.0	9227.3	9495.7	9562.8	9599.8	9599.8
20°	8848.0	8792.5	8760.1	8686.1	8665.2	8820.2	9222.7	9685.4	9773.3	9819.5	9831.1
22.5°	9433.2	9396.2	9326.8	9139.4	8935.9	8933.6	9310.6	9928.2	10092.5	10136.4	10108.7
25°	10141.1	10085.5	9997.6	9743.2	9352.3	9157.9	9458.7	10238.2	10513.5	10525.0	10444.1
27.5°	10955.3	10872.0	10751.7	10416.3	9888.9	9509.6	9685.4	10594.4	10996.9	10992.3	10825.8
30°	11813.5	11730.2	11603.0	11195.9	10532.0	9983.8	10000.0	10978.4	11570.6	11545.2	11260.6
32.5°	12440.4	12377.9	12352.5	12037.9	11272.2	10543.6	10360.8	11404.1	12278.4	12255.3	11857.4
35°	12921.5	12840.6	12870.6	12711.0	12079.5	11170.4	10802.6	11910.7	13139.0	13136.6	12641.6
37.5°	13398.0	13326.3	13351.8	13245.4	12826.7	11966.2	11341.6	12530.6	14205.3	14256.2	13590.0
40°	13832.9	13756.6	13858.4	13758.9	13407.3	12812.8	11954.6	13231.5	15440.6	15537.7	14737.4
42.5°	14094.3	14034.2	14203.0	14205.3	13911.6	13527.6	12627.7	14004.1	16870.1	17087.6	16148.4
45°	14184.5	14163.7	14418.2	14471.4	14358.0	13941.6	13233.8	14846.1	18410.7	18799.4	17756.1
47.5°	14087.4	14048.0	14399.7	14596.3	14686.5	14135.9	13735.8	15757.5	19983.7	20552.8	19509.5
50°	13597.0	13520.6	14043.4	14457.5	14779.0	14263.2	14242.4	16810.0	21771.8	22394.1	21272.2
52.5°	12715.6	12657.8	13252.3	13971.7	14575.5	14325.6	14811.4	17959.7	23469.7	24274.7	23078.8
55°	11589.1	11512.8	12167.4	13106.6	14068.9	14304.8	15380.4	19245.8	25472.9	26289.5	24945.5
57.5°	9803.3	9650.7	10478.8	11589.1	13243.1	14279.4	15972.6	20525.0	27508.5	28487.0	26937.2
60°	7198.7	6972.0	7987.5	9303.7	11628.4	14031.9	16705.9	21959.2	29951.3	30832.6	29111.6
62.5°	4191.5	4059.7	4723.5	5951.9	8764.7	12574.5	17117.7	23627.0	32352.4	33277.7	31249.0
65°	3254.7	3217.7	3275.5	3370.3	4878.5	9414.7	15847.7	25253.2	35405.8	36053.5	33476.6
67.5°	2977.1	2949.3	2974.8	2796.7	2475.1	5244.0	12537.5	25664.9	38676.7	39069.9	35426.6
70°	2646.3	2613.9	2697.2	2544.5	1947.7	2384.9	8100.8	24170.6	41279.0	42016.9	36909.4
72.5°	2155.9	2118.9	2313.2	2243.8	1640.1	1531.3	4068.9	20619.8	41006.0	42537.4	35847.6
75°	1656.2	1635.4	1866.7	1924.6	1337.0	1205.2	1952.3	15327.2	36085.9	37628.8	30895.1
77.5°	1286.1	1269.9	1387.9	1598.4	1077.9	934.5	1200.5	9722.4	27193.9	27464.6	21290.7
80°	964.6	918.3	1027.1	1237.6	839.7	682.4	814.2	5669.6	17189.4	15581.7	9266.7
82.5°	603.7	580.6	670.8	825.8	592.2	469.6	529.7	3132.1	6888.7	4057.3	1788.1
85°	344.7	335.4	365.5	471.9	321.5	270.6	303.0	1383.3	1258.4	865.1	539.0
87.5°	138.8	134.2	166.6	210.5	118.0	99.5	106.4	333.1	277.6	256.8	178.1
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: P954118

CATALOG NUMBER: GALN-SB7C-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6	8778.6
2.5°	8804.0	8804.0	8771.6	8720.8	8662.9	8625.9	8565.8	8549.6	8487.1	8468.6	8498.7
5°	8910.4	8891.9	8792.5	8649.0	8452.4	8272.0	8073.1	7948.1	7772.3	7709.9	7756.1
7.5°	9044.6	8993.7	8822.5	8507.9	8096.2	7691.4	7270.4	6951.2	6645.8	6537.1	6551.0
10°	9167.2	9095.5	8804.0	8253.5	7541.0	6840.1	6169.3	5699.7	5343.5	5197.8	5230.1
12.5°	9289.8	9157.9	8681.4	7830.2	6752.2	5801.5	5086.7	4721.2	4501.5	4325.7	4383.5
15°	9405.5	9220.4	8491.7	7263.4	5887.1	4922.5	4395.1	4103.6	3927.8	3812.1	3833.0
17.5°	9539.6	9273.6	8207.2	6544.0	5063.6	4314.1	3883.9	3708.1	3673.4	3659.5	3668.7
20°	9727.0	9322.2	7832.5	5739.0	4457.5	3828.3	3606.3	3590.1	3587.8	3580.8	3604.0
22.5°	9928.2	9380.0	7337.5	5008.1	3941.7	3525.3	3486.0	3453.6	3432.8	3430.5	3455.9
25°	10166.5	9398.5	6717.5	4409.0	3502.2	3381.9	3335.6	3287.1	3273.2	3273.2	3287.1
27.5°	10397.8	9336.1	5995.8	3888.5	3254.7	3250.0	3189.9	3173.7	3171.4	3178.3	3196.8
30°	10629.1	9218.1	5278.7	3407.3	3111.2	3111.2	3090.4	3102.0	3111.2	3134.4	3150.6
32.5°	10941.4	9093.2	4679.6	3051.1	2986.3	2963.2	2984.0	3007.2	3016.4	3046.5	3071.9
35°	11399.4	9005.3	4203.1	2856.8	2856.8	2826.7	2838.3	2833.7	2812.8	2799.0	2831.4
37.5°	12005.5	9000.6	3809.8	2766.6	2748.1	2743.5	2745.8	2715.7	2634.7	2537.6	2539.9
40°	12734.1	9125.6	3506.8	2704.1	2690.2	2718.0	2704.1	2623.2	2401.1	2232.2	2227.6
42.5°	13712.6	9481.8	3312.5	2627.8	2669.4	2704.1	2648.6	2368.7	2218.4	2105.0	2100.4
45°	14864.6	10060.1	3213.0	2546.8	2630.1	2671.7	2403.4	2280.8	2160.5	2024.0	2014.8
47.5°	16169.2	10788.8	3189.9	2470.5	2542.2	2567.6	2299.3	2243.8	2107.3	1959.3	1947.7
50°	17589.5	11651.6	3252.4	2380.3	2415.0	2327.1	2264.6	2213.7	2072.6	1926.9	1910.7
52.5°	19058.4	12602.3	3377.3	2257.7	2287.8	2190.6	2250.7	2206.8	2051.8	1855.2	1841.3
55°	20501.9	13560.0	3497.6	2114.3	2158.2	2068.0	2211.4	2179.0	1957.0	1734.9	1723.3
57.5°	21968.4	14513.0	3615.5	1987.0	2033.3	1950.0	2149.0	2105.0	1850.6	1623.9	1619.2
60°	23492.8	15438.3	3671.0	1864.4	1896.8	1841.3	2054.1	1977.8	1730.3	1510.5	1503.6
62.5°	24920.1	16208.6	3580.8	1741.8	1762.7	1739.5	1929.2	1827.4	1610.0	1383.3	1381.0
65°	26351.9	16666.6	3303.2	1621.6	1626.2	1614.6	1753.4	1665.5	1468.9	1272.3	1258.4
67.5°	27649.6	16923.3	2861.4	1492.0	1480.4	1475.8	1589.2	1489.7	1332.4	1161.2	1147.3
70°	27924.9	16271.0	2186.0	1339.3	1339.3	1327.8	1408.7	1307.0	1182.0	1043.3	1038.6
72.5°	25505.3	13687.2	1552.2	1165.9	1184.4	1161.2	1228.3	1142.7	1029.4	936.8	909.1
75°	20566.6	10037.0	1128.8	987.7	1020.1	980.8	1043.3	983.1	886.0	883.6	795.7
77.5°	14131.3	6206.3	818.9	814.2	837.4	786.5	858.2	825.8	737.9	698.6	654.6
80°	6030.5	2475.1	596.8	629.2	629.2	582.9	666.2	675.5	599.1	580.6	580.6
82.5°	1200.5	703.2	418.7	432.6	407.1	393.2	471.9	522.8	721.7	802.7	805.0
85°	360.9	259.1	252.1	235.9	208.2	210.5	277.6	525.1	647.7	370.1	319.2
87.5°	99.5	64.8	67.1	53.2	44.0	57.8	94.8	397.9	217.4	92.5	78.6
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)