

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: P956260

Luminaire Tested: **GALN-SB9A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956260
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-SB9A-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33548 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 255.5
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

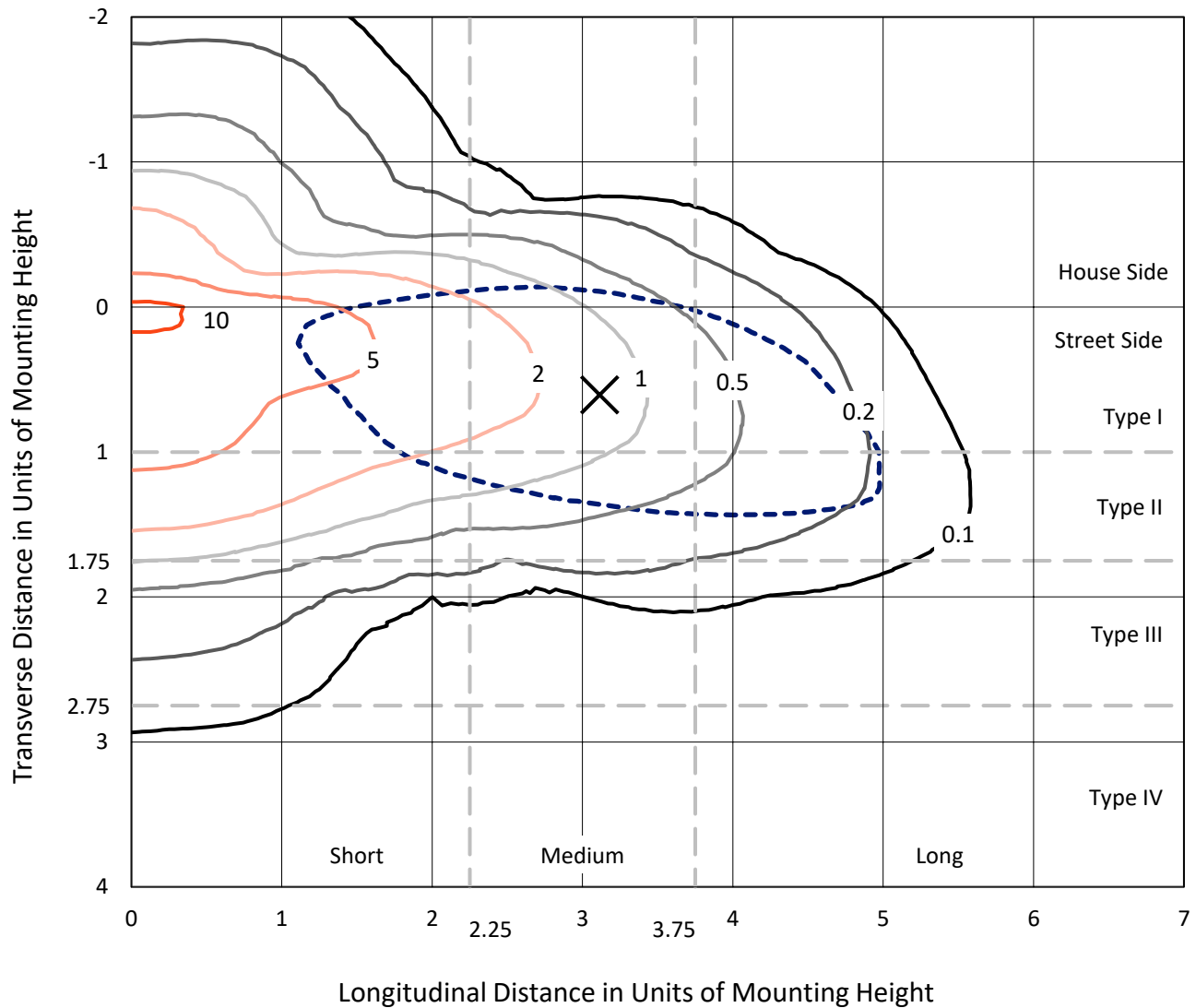


REPORT NUMBER: P956260

CATALOG NUMBER: GALN-SB9A-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

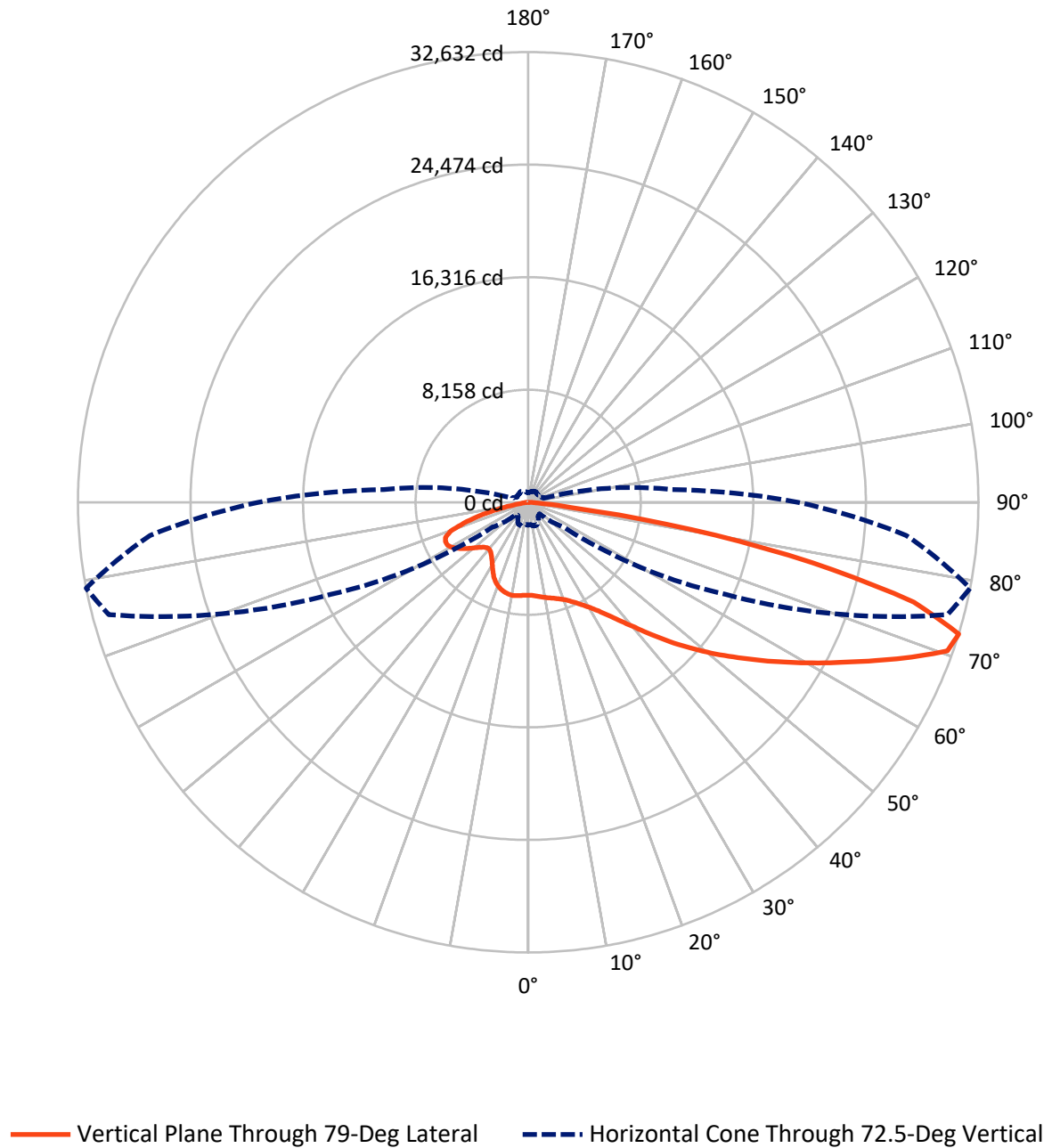


Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
Type II - Medium - N/A

REPORT NUMBER: P956260

CATALOG NUMBER: GALN-SB9A-722-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P956260

CATALOG NUMBER: GALN-SB9A-722-U-SL2

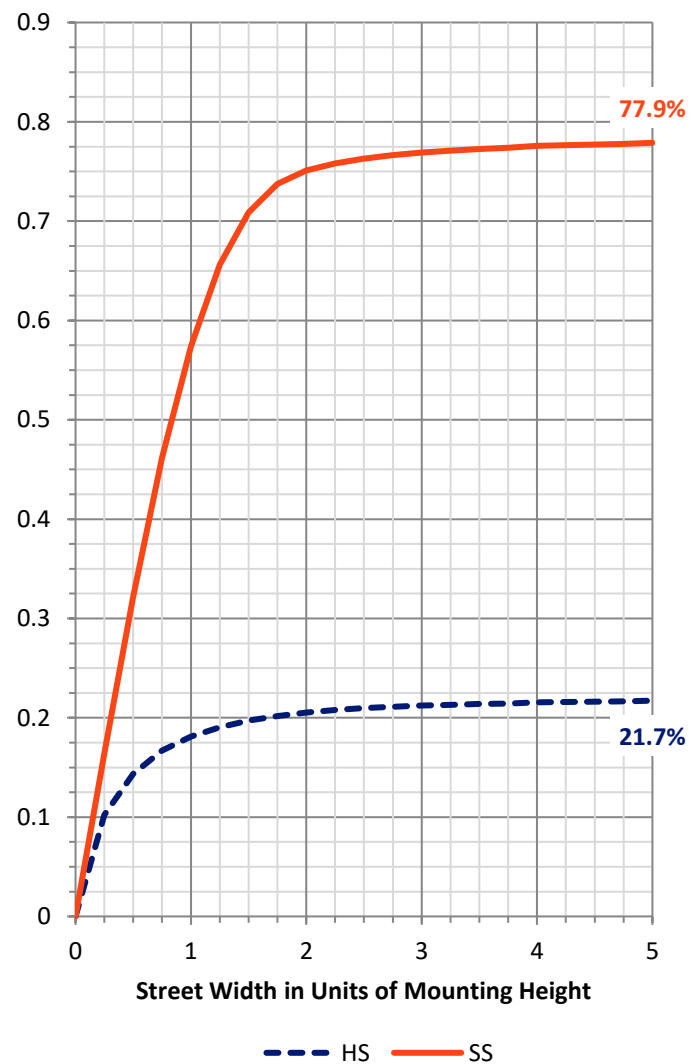
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7382.4	0.0	7382.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	26165.6	0.0	26165.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	33548.0	0.0	33548.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.3	1.8
10°-20°	1598.2	4.8
20°-30°	2578.9	7.7
30°-40°	3870.5	11.5
40°-50°	5490.6	16.4
50°-60°	6933.9	20.7
60°-70°	7042.3	21.0
70°-80°	4799.6	14.3
80°-90°	622.7	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°	33548.0	100.0
0°-180°	33548.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956260

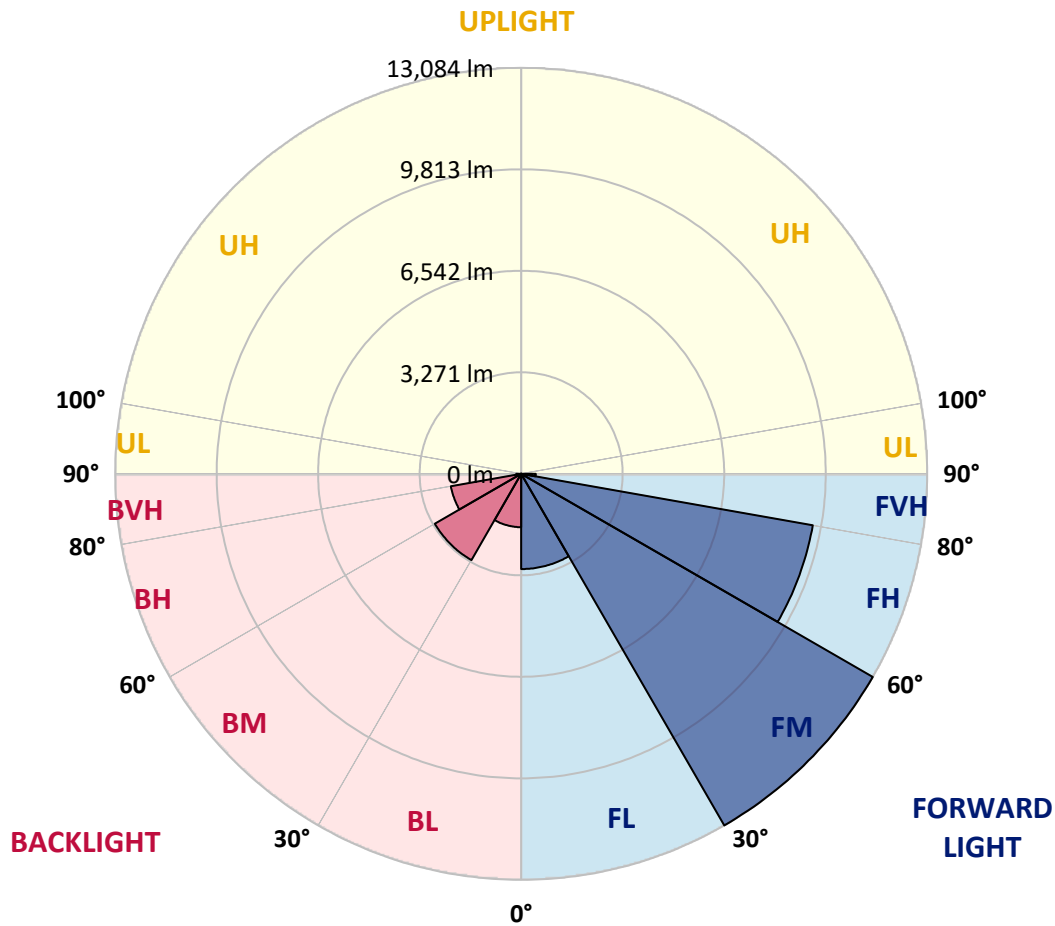
CATALOG NUMBER: GALN-SB9A-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3068.8	9.1			
FM	(30°-60°)	13084.4	39.0			
FH	(60°-80°)	9543.3	28.4			G4/12000
FVH	(80°-90°)	469.1	1.4			G3/500
BL	(0°-30°)	1719.6	5.1	B3/2500		
BM	(30°-60°)	3210.6	9.6	B3/5000		
BH	(60°-80°)	2298.6	6.9	B3/2500		G3/2500
BVH	(80°-90°)	153.6	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-G4

Type II Medium



REPORT NUMBER: P956260

CATALOG NUMBER: GALN-SB9A-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4
2.5°	6738.0	6706.0	6725.6	6718.5	6727.3	6738.0	6741.5	6746.9	6764.6	6762.8	6761.1
5°	6723.8	6691.9	6718.5	6709.6	6732.7	6757.5	6778.8	6798.3	6826.7	6839.1	6821.4
7.5°	6693.6	6672.3	6699.0	6725.6	6768.2	6805.4	6835.6	6880.0	6920.8	6927.9	6940.3
10°	6517.9	6502.0	6564.1	6633.3	6750.4	6851.6	6917.2	6968.7	7013.0	7020.1	7037.9
12.5°	6335.2	6315.6	6384.9	6478.9	6668.8	6851.6	6990.0	7057.4	7096.5	7119.5	7146.1
15°	6305.0	6289.0	6328.1	6409.7	6567.6	6803.6	7039.7	7163.9	7197.6	7224.2	7234.9
17.5°	6450.5	6420.3	6436.3	6464.7	6557.0	6759.3	7078.7	7284.6	7336.0	7364.4	7364.4
20°	6787.7	6745.1	6720.2	6663.5	6647.5	6766.4	7075.2	7430.1	7497.5	7533.0	7541.9
22.5°	7236.6	7208.2	7155.0	7011.3	6855.1	6853.3	7142.6	7616.4	7742.4	7776.1	7754.8
25°	7779.7	7737.1	7669.6	7474.4	7174.5	7025.5	7256.2	7854.2	8065.4	8074.2	8012.1
27.5°	8404.3	8340.4	8248.1	7990.8	7586.2	7295.2	7430.1	8127.5	8436.2	8432.7	8304.9
30°	9062.7	8998.8	8901.2	8588.9	8079.6	7659.0	7671.4	8422.0	8876.3	8856.8	8638.5
32.5°	9543.6	9495.7	9476.1	9234.8	8647.4	8088.4	7948.2	8748.6	9419.3	9401.6	9096.4
35°	9912.7	9850.6	9873.6	9751.2	9266.7	8569.3	8287.2	9137.2	10079.5	10077.7	9698.0
37.5°	10278.2	10223.2	10242.7	10161.1	9839.9	9179.8	8700.7	9612.8	10897.6	10936.6	10425.5
40°	10611.8	10553.3	10631.4	10555.1	10285.3	9829.3	9170.9	10150.5	11845.2	11919.7	11305.7
42.5°	10812.4	10766.2	10895.8	10897.6	10672.2	10377.6	9687.3	10743.2	12941.8	13108.6	12388.2
45°	10881.6	10865.6	11060.8	11101.6	11014.7	10695.3	10152.2	11389.1	14123.7	14421.8	13621.5
47.5°	10807.0	10776.9	11046.6	11197.5	11266.7	10844.3	10537.3	12088.3	15330.4	15766.9	14966.6
50°	10430.8	10372.3	10773.3	11091.0	11337.6	10941.9	10925.9	12895.7	16702.1	17179.5	16318.8
52.5°	9754.7	9710.4	10166.4	10718.3	11181.5	10989.8	11362.5	13777.7	18004.7	18622.2	17704.8
55°	8890.5	8832.0	9334.2	10054.6	10792.9	10973.9	11799.0	14764.3	19541.4	20167.8	19136.8
57.5°	7520.6	7403.4	8038.7	8890.5	10159.3	10954.3	12253.3	15745.6	21103.0	21853.7	20664.7
60°	5522.4	5348.5	6127.5	7137.3	8920.7	10764.5	12815.8	16845.9	22977.0	23653.1	22332.8
62.5°	3215.5	3114.3	3623.6	4565.9	6723.8	9646.5	13131.7	18125.3	24818.9	25528.8	23972.5
65°	2496.8	2468.4	2512.8	2585.5	3742.5	7222.4	12157.5	19372.8	27161.4	27658.2	25681.4
67.5°	2283.9	2262.6	2282.1	2145.4	1898.8	4022.9	9618.1	19688.7	29670.6	29972.3	27177.3
70°	2030.1	2005.2	2069.1	1952.0	1494.2	1829.6	6214.5	18542.3	31667.0	32233.0	28314.8
72.5°	1653.9	1625.5	1774.6	1721.3	1258.2	1174.8	3121.4	15818.4	31457.6	32632.3	27500.3
75°	1270.6	1254.6	1432.1	1476.4	1025.7	924.5	1497.7	11758.2	27683.1	28866.7	23701.0
77.5°	986.7	974.2	1064.7	1226.2	826.9	716.9	921.0	7458.5	20861.7	21069.3	16333.0
80°	740.0	704.5	787.9	949.4	644.2	523.5	624.6	4349.4	13186.7	11953.4	7108.9
82.5°	463.2	445.4	514.6	633.5	454.3	360.2	406.4	2402.7	5284.6	3112.6	1371.7
85°	264.4	257.3	280.4	362.0	246.7	207.6	232.5	1061.2	965.4	663.7	413.5
87.5°	106.5	102.9	127.8	161.5	90.5	76.3	81.6	255.5	212.9	197.0	136.6
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: P956260

CATALOG NUMBER: GALN-SB9A-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4	6734.4
2.5°	6754.0	6754.0	6729.1	6690.1	6645.7	6617.3	6571.2	6558.8	6510.8	6496.7	6519.7
5°	6835.6	6821.4	6745.1	6635.1	6484.2	6345.8	6193.2	6097.4	5962.5	5914.6	5950.1
7.5°	6938.5	6899.5	6768.2	6526.8	6210.9	5900.4	5577.4	5332.5	5098.3	5014.9	5025.5
10°	7032.6	6977.6	6754.0	6331.6	5785.1	5247.4	4732.7	4372.5	4099.2	3987.4	4012.3
12.5°	7126.6	7025.5	6659.9	6006.9	5179.9	4450.6	3902.2	3621.9	3453.3	3318.4	3362.8
15°	7215.3	7073.4	6514.4	5572.1	4516.2	3776.3	3371.7	3148.1	3013.2	2924.5	2940.4
17.5°	7318.3	7114.2	6296.1	5020.2	3884.5	3309.5	2979.5	2844.6	2818.0	2807.3	2814.4
20°	7462.0	7151.5	6008.6	4402.7	3419.6	2936.9	2766.5	2754.1	2752.3	2747.0	2764.8
22.5°	7616.4	7195.8	5628.9	3841.9	3023.8	2704.4	2674.3	2649.4	2633.4	2631.7	2651.2
25°	7799.2	7210.0	5153.3	3382.3	2686.7	2594.4	2558.9	2521.6	2511.0	2511.0	2521.6
27.5°	7976.6	7162.1	4599.7	2983.0	2496.8	2493.3	2447.1	2434.7	2432.9	2438.2	2452.4
30°	8154.1	7071.6	4049.5	2613.9	2386.8	2386.8	2370.8	2379.7	2386.8	2404.5	2416.9
32.5°	8393.7	6975.8	3589.9	2340.6	2291.0	2273.2	2289.2	2306.9	2314.0	2337.1	2356.6
35°	8745.0	6908.3	3224.4	2191.6	2191.6	2168.5	2177.4	2173.8	2157.9	2147.2	2172.1
37.5°	9209.9	6904.8	2922.7	2122.4	2108.2	2104.6	2106.4	2083.3	2021.2	1946.7	1948.5
40°	9768.9	7000.6	2690.2	2074.5	2063.8	2085.1	2074.5	2012.3	1842.0	1712.4	1708.9
42.5°	10519.6	7273.9	2541.2	2015.9	2047.8	2074.5	2031.9	1817.1	1701.8	1614.8	1611.3
45°	11403.3	7717.5	2464.9	1953.8	2017.7	2049.6	1843.8	1749.7	1657.4	1552.7	1545.6
47.5°	12404.2	8276.5	2447.1	1895.2	1950.2	1969.8	1763.9	1721.3	1616.6	1503.0	1494.2
50°	13493.7	8938.4	2495.0	1826.0	1852.6	1785.2	1737.3	1698.3	1590.0	1478.2	1465.8
52.5°	14620.6	9667.8	2590.9	1732.0	1755.0	1680.5	1726.6	1692.9	1574.0	1423.2	1412.5
55°	15727.9	10402.5	2683.1	1621.9	1655.7	1586.5	1696.5	1671.6	1501.3	1330.9	1322.0
57.5°	16853.0	11133.6	2773.6	1524.3	1559.8	1496.0	1648.6	1614.8	1419.6	1245.7	1242.2
60°	18022.4	11843.4	2816.2	1430.3	1455.1	1412.5	1575.8	1517.2	1327.4	1158.8	1153.5
62.5°	19117.3	12434.3	2747.0	1336.2	1352.2	1334.5	1480.0	1401.9	1235.1	1061.2	1059.4
65°	20215.7	12785.7	2534.1	1244.0	1247.5	1238.6	1345.1	1277.7	1126.8	976.0	965.4
67.5°	21211.3	12982.7	2195.1	1144.6	1135.7	1132.2	1219.1	1142.8	1022.1	890.8	880.2
70°	21422.4	12482.2	1677.0	1027.5	1027.5	1018.6	1080.7	1002.6	906.8	800.3	796.8
72.5°	19566.3	10500.1	1190.7	894.4	908.6	890.8	942.3	876.6	789.7	718.7	697.4
75°	15777.6	7699.8	866.0	757.7	782.6	752.4	800.3	754.2	679.7	677.9	610.4
77.5°	10840.8	4761.1	628.2	624.6	642.4	603.3	658.4	633.5	566.1	535.9	502.2
80°	4626.3	1898.8	457.8	482.7	482.7	447.2	511.1	518.2	459.6	445.4	445.4
82.5°	921.0	539.5	321.2	331.8	312.3	301.7	362.0	401.0	553.7	615.8	617.5
85°	276.8	198.8	193.4	181.0	159.7	161.5	212.9	402.8	496.9	283.9	244.9
87.5°	76.3	49.7	51.5	40.8	33.7	44.4	72.8	305.2	166.8	71.0	60.3
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)