

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: P952690

Luminaire Tested: **GALN-SB6C-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952690
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-SB6C-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 37289 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 300.9
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

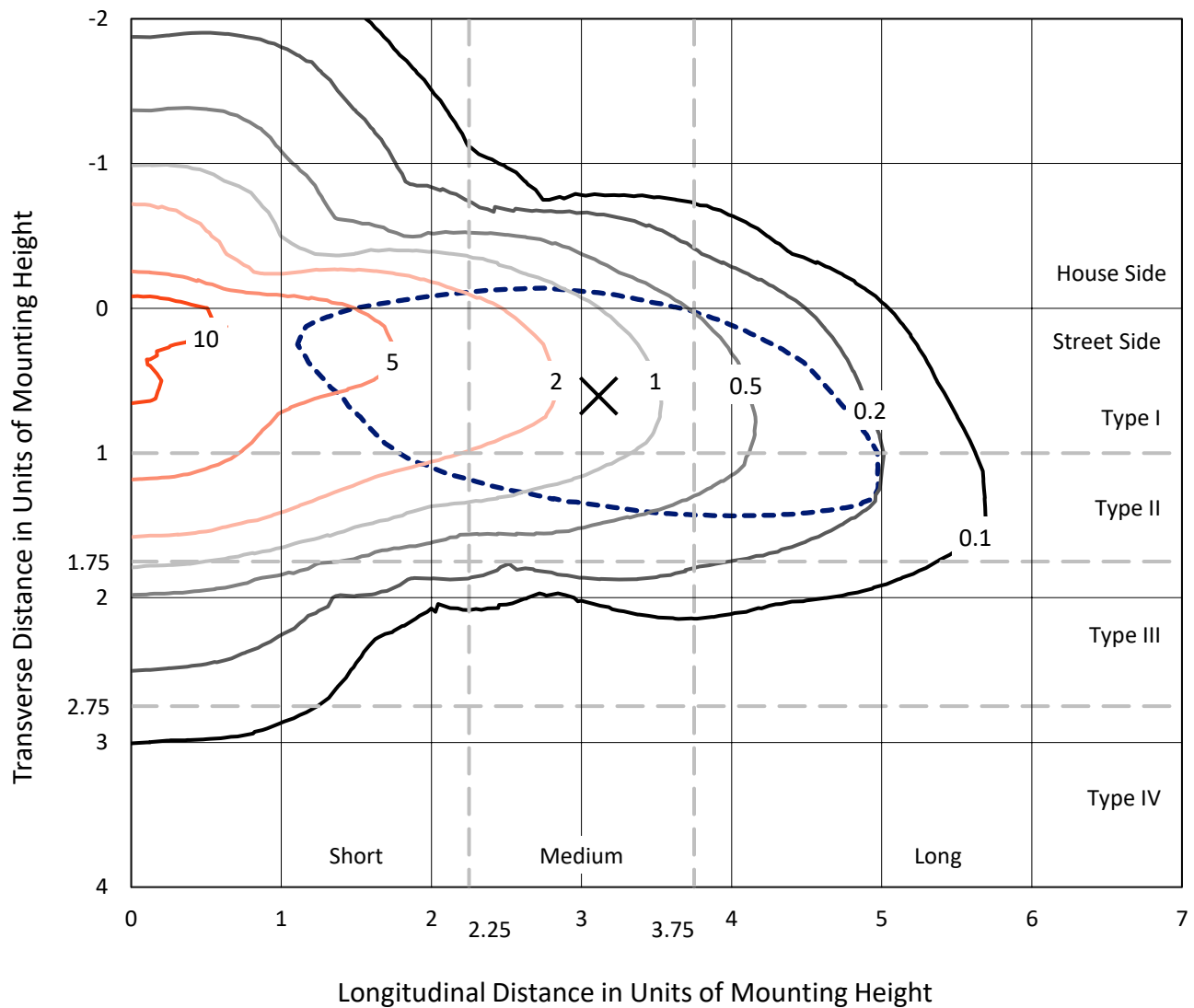


REPORT NUMBER: P952690

CATALOG NUMBER: GALN-SB6C-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

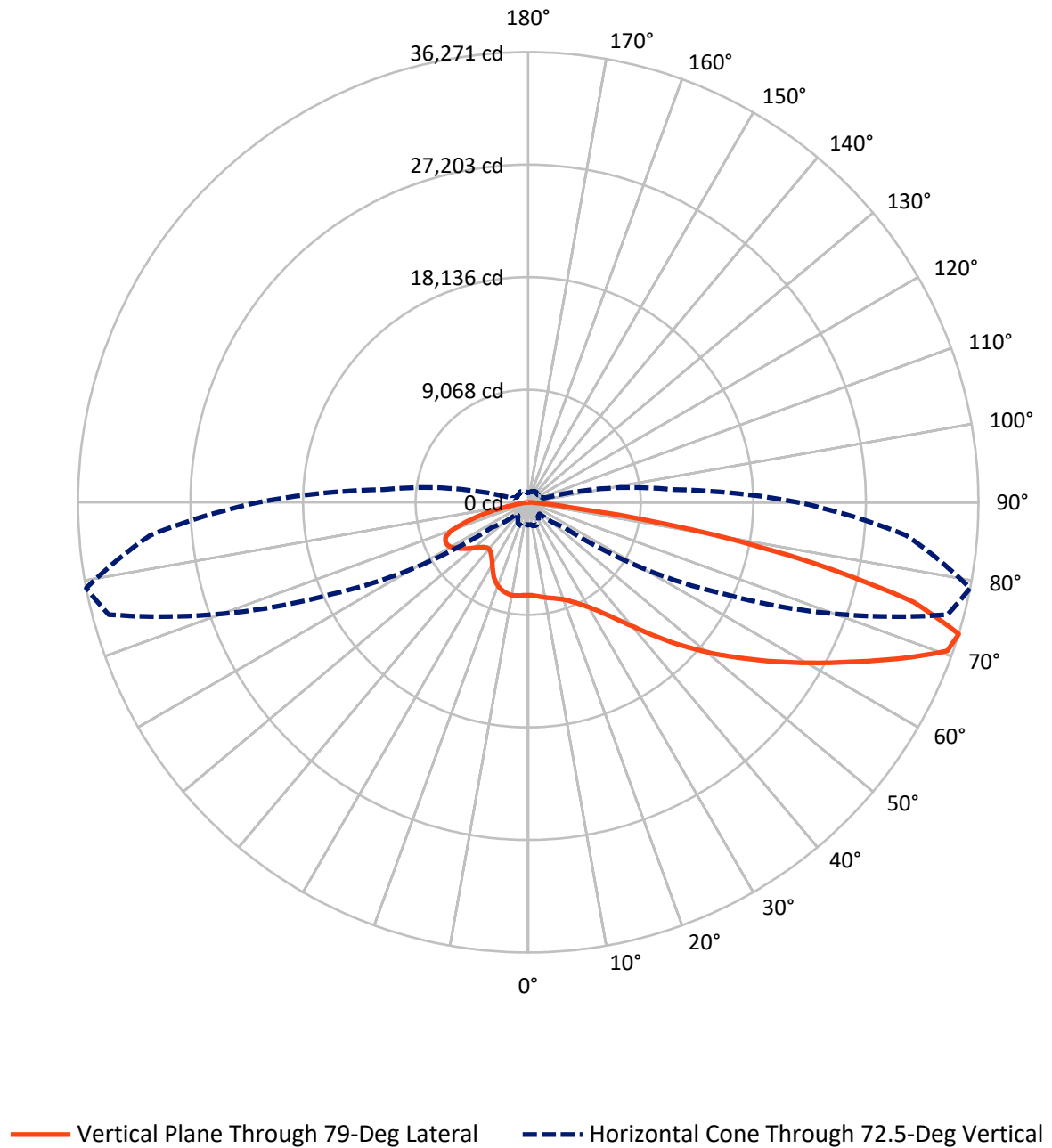
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type II - Medium - N/A

REPORT NUMBER: P952690
CATALOG NUMBER: GALN-SB6C-722-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P952690

CATALOG NUMBER: GALN-SB6C-722-U-SL2

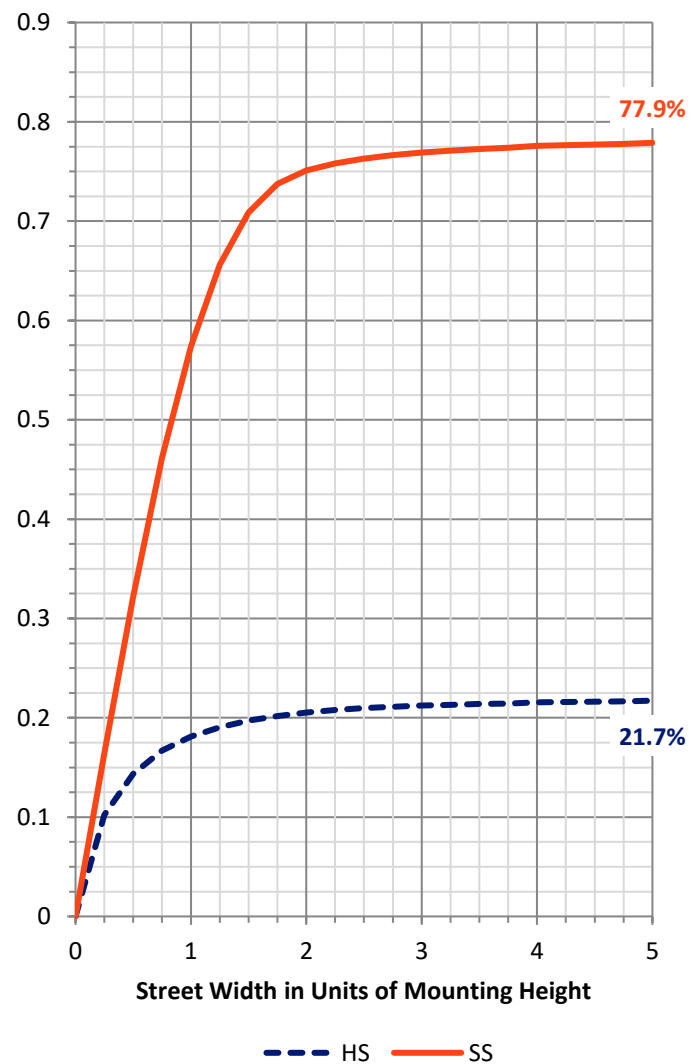
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8205.6	0.0	8205.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	29083.4	0.0	29083.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	37289.0	0.0	37289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.5	1.8
10°-20°	1776.4	4.8
20°-30°	2866.5	7.7
30°-40°	4302.1	11.5
40°-50°	6102.8	16.4
50°-60°	7707.1	20.7
60°-70°	7827.6	21.0
70°-80°	5334.9	14.3
80°-90°	692.2	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°	37289.0	100.0
0°-180°	37289.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952690

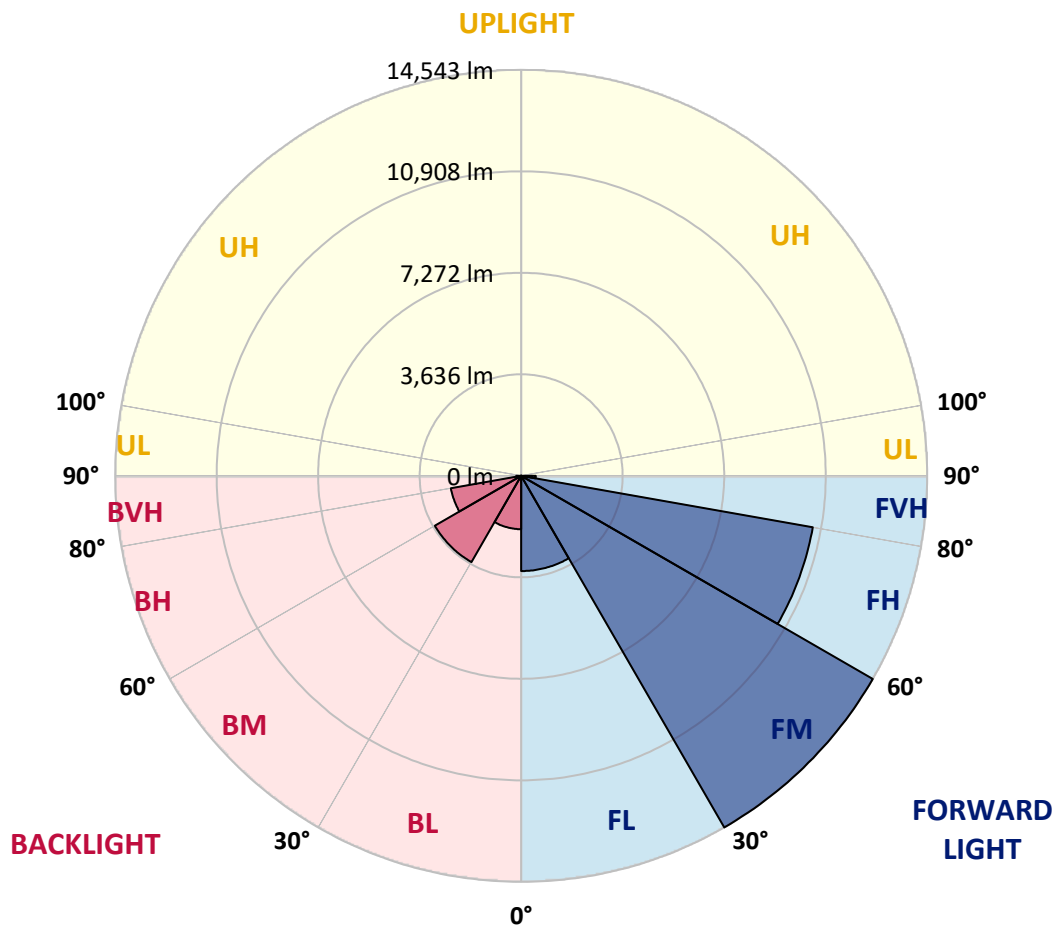
CATALOG NUMBER: GALN-SB6C-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3411.0	9.1			
FM	(30°-60°)	14543.5	39.0			
FH	(60°-80°)	10607.5	28.4			G4/12000
FVH	(80°-90°)	521.4	1.4			G4/750
BL	(0°-30°)	1911.3	5.1	B3/2500		
BM	(30°-60°)	3568.6	9.6	B3/5000		
BH	(60°-80°)	2555.0	6.9	B4/5000		G4/5000
BVH	(80°-90°)	170.7	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-G4

Type II Medium



REPORT NUMBER: P952690

CATALOG NUMBER: GALN-SB6C-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4
2.5°	7489.4	7453.9	7475.6	7467.7	7477.5	7489.4	7493.3	7499.2	7518.9	7517.0	7515.0
5°	7473.6	7438.1	7467.7	7457.8	7483.4	7511.1	7534.7	7556.4	7588.0	7601.8	7582.1
7.5°	7440.0	7416.4	7446.0	7475.6	7522.9	7564.3	7597.8	7647.2	7692.5	7700.4	7714.2
10°	7244.8	7227.0	7296.1	7373.0	7503.2	7615.6	7688.6	7745.8	7795.1	7803.0	7822.7
12.5°	7041.6	7019.9	7096.8	7201.4	7412.4	7615.6	7769.4	7844.4	7887.8	7913.4	7943.0
15°	7008.1	6990.3	7033.7	7124.5	7300.0	7562.3	7824.7	7962.7	8000.2	8029.8	8041.6
17.5°	7169.8	7136.3	7154.0	7185.6	7288.2	7513.0	7868.1	8096.9	8154.1	8185.6	8185.6
20°	7544.6	7497.2	7469.6	7406.5	7388.8	7520.9	7864.1	8258.6	8333.6	8373.0	8382.9
22.5°	8043.6	8012.1	7952.9	7793.1	7619.5	7617.6	7939.1	8465.7	8605.8	8643.2	8619.6
25°	8647.2	8599.8	8524.9	8307.9	7974.6	7808.9	8065.3	8730.0	8964.7	8974.6	8905.6
27.5°	9341.5	9270.5	9167.9	8881.9	8432.2	8108.7	8258.6	9033.8	9377.0	9373.0	9231.0
30°	10073.3	10002.2	9893.8	9546.6	8980.5	8513.1	8526.9	9361.2	9866.1	9844.5	9601.8
32.5°	10607.8	10554.5	10532.8	10264.6	9611.7	8990.4	8834.6	9724.1	10469.7	10450.0	10110.7
35°	11018.1	10949.0	10974.7	10838.6	10300.1	9524.9	9211.3	10156.1	11203.5	11201.5	10779.4
37.5°	11424.4	11363.2	11384.9	11294.2	10937.2	10203.4	9670.9	10684.7	12112.8	12156.2	11588.1
40°	11795.2	11730.1	11816.9	11732.1	11432.3	10925.3	10193.6	11282.4	13166.0	13248.9	12566.4
42.5°	12018.1	11966.8	12110.8	12112.8	11862.3	11534.8	10767.6	11941.2	14385.0	14570.4	13769.6
45°	12095.0	12077.3	12294.2	12339.6	12242.9	11887.9	11284.3	12659.1	15698.7	16030.0	15140.5
47.5°	12012.2	11978.6	12278.4	12446.1	12523.0	12053.6	11712.4	13436.3	17039.9	17525.1	16635.6
50°	11594.0	11528.9	11974.7	12327.8	12601.9	12162.1	12144.3	14333.7	18564.6	19095.2	18138.6
52.5°	10842.5	10793.2	11300.1	11913.5	12428.3	12215.3	12629.5	15314.0	20012.4	20698.8	19679.0
55°	9881.9	9816.8	10375.0	11175.8	11996.4	12197.6	13114.8	16410.7	21720.5	22416.8	21270.8
57.5°	8359.2	8229.0	8935.2	9881.9	11292.2	12175.9	13619.7	17501.5	23456.3	24290.6	22969.1
60°	6138.2	5944.9	6810.8	7933.2	9915.5	11964.8	14245.0	18724.4	25539.2	26290.7	24823.2
62.5°	3574.1	3461.6	4027.7	5075.1	7473.6	10722.2	14596.1	20146.5	27586.6	28375.5	26645.7
65°	2775.2	2743.7	2793.0	2873.8	4159.9	8027.8	13513.2	21533.1	30190.2	30742.5	28545.2
67.5°	2538.5	2514.9	2536.6	2384.7	2110.5	4471.5	10690.6	21884.2	32979.2	33314.5	30207.9
70°	2256.5	2228.9	2299.9	2169.7	1660.8	2033.6	6907.5	20610.0	35198.2	35827.4	31472.3
72.5°	1838.3	1806.8	1972.4	1913.3	1398.5	1305.8	3469.5	17582.3	34965.5	36271.2	30566.9
75°	1412.3	1394.5	1591.8	1641.1	1140.1	1027.6	1664.7	13069.4	30770.1	32085.7	26343.9
77.5°	1096.7	1082.9	1183.5	1363.0	919.2	796.9	1023.7	8290.2	23188.0	23418.8	18154.3
80°	822.5	783.1	875.8	1055.3	716.0	581.9	694.3	4834.5	14657.2	13286.4	7901.6
82.5°	514.8	495.1	572.0	704.2	504.9	400.4	451.7	2670.7	5873.9	3459.7	1524.7
85°	293.9	286.0	311.6	402.4	274.2	230.8	258.4	1179.5	1073.0	737.7	459.6
87.5°	118.3	114.4	142.0	179.5	100.6	84.8	90.7	284.0	236.7	218.9	151.9
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: P952690

CATALOG NUMBER: GALN-SB6C-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4	7485.4
2.5°	7507.1	7507.1	7479.5	7436.1	7386.8	7355.2	7303.9	7290.1	7236.9	7221.1	7246.7
5°	7597.8	7582.1	7497.2	7375.0	7207.3	7053.4	6883.8	6777.3	6627.4	6574.1	6613.6
7.5°	7712.2	7668.8	7522.9	7254.6	6903.5	6558.4	6199.4	5927.2	5666.8	5574.1	5586.0
10°	7816.8	7755.6	7507.1	7037.7	6430.2	5832.5	5260.5	4860.1	4556.3	4432.1	4459.7
12.5°	7921.3	7808.9	7402.6	6676.7	5757.6	4946.9	4337.4	4025.8	3838.4	3688.5	3737.8
15°	8019.9	7862.1	7240.8	6193.5	5019.9	4197.4	3747.6	3499.1	3349.2	3250.6	3268.3
17.5°	8134.3	7907.5	6998.2	5580.0	4317.7	3678.6	3311.7	3161.8	3132.2	3120.4	3128.3
20°	8294.1	7948.9	6678.7	4893.6	3800.9	3264.4	3075.0	3061.2	3059.3	3053.3	3073.1
22.5°	8465.7	7998.2	6256.6	4270.3	3361.0	3006.0	2972.5	2944.9	2927.1	2925.1	2946.8
25°	8668.9	8014.0	5728.0	3759.5	2986.3	2883.7	2844.3	2802.8	2791.0	2791.0	2802.8
27.5°	8866.1	7960.8	5112.6	3315.7	2775.2	2771.3	2720.0	2706.2	2704.2	2710.1	2725.9
30°	9063.4	7860.2	4501.1	2905.4	2652.9	2652.9	2635.2	2645.0	2652.9	2672.7	2686.5
32.5°	9329.6	7753.7	3990.2	2601.6	2546.4	2526.7	2544.4	2564.2	2572.1	2597.7	2619.4
35°	9720.2	7678.7	3583.9	2436.0	2436.0	2410.3	2420.2	2416.2	2398.5	2386.7	2414.3
37.5°	10237.0	7674.8	3248.6	2359.0	2343.3	2339.3	2341.3	2315.6	2246.6	2163.8	2165.7
40°	10858.3	7781.3	2990.2	2305.8	2293.9	2317.6	2305.8	2236.7	2047.4	1903.4	1899.5
42.5°	11692.6	8085.0	2824.5	2240.7	2276.2	2305.8	2258.4	2019.8	1891.6	1794.9	1791.0
45°	12674.9	8578.1	2739.7	2171.7	2242.7	2278.2	2049.4	1944.8	1842.3	1725.9	1718.0
47.5°	13787.4	9199.5	2720.0	2106.6	2167.7	2189.4	1960.6	1913.3	1796.9	1670.7	1660.8
50°	14998.4	9935.2	2773.3	2029.6	2059.2	1984.3	1931.0	1887.6	1767.3	1643.0	1629.2
52.5°	16250.9	10745.9	2879.8	1925.1	1950.7	1867.9	1919.2	1881.7	1749.6	1581.9	1570.1
55°	17481.7	11562.4	2982.3	1802.8	1840.3	1763.4	1885.7	1858.0	1668.7	1479.3	1469.5
57.5°	18732.3	12375.1	3082.9	1694.3	1733.8	1662.8	1832.4	1794.9	1578.0	1384.7	1380.7
60°	20032.1	13164.1	3130.3	1589.8	1617.4	1570.1	1751.5	1686.4	1475.4	1288.0	1282.1
62.5°	21249.1	13820.9	3053.3	1485.2	1503.0	1483.3	1645.0	1558.2	1372.8	1179.5	1177.5
65°	22470.0	14211.4	2816.6	1382.7	1386.6	1376.8	1495.1	1420.2	1252.5	1084.8	1073.0
67.5°	23576.6	14430.4	2439.9	1272.2	1262.4	1258.4	1355.1	1270.3	1136.1	990.2	978.3
70°	23811.3	13874.1	1864.0	1142.0	1142.0	1132.2	1201.2	1114.4	1007.9	889.6	885.6
72.5°	21748.1	11670.9	1323.5	994.1	1009.9	990.2	1047.4	974.4	877.7	798.8	775.2
75°	17537.0	8558.4	962.6	842.2	869.8	836.3	889.6	838.3	755.4	753.5	678.5
77.5°	12049.6	5292.1	698.2	694.3	714.0	670.6	731.8	704.2	629.2	595.7	558.2
80°	5142.2	2110.5	508.9	536.5	536.5	497.1	568.1	576.0	510.9	495.1	495.1
82.5°	1023.7	599.6	357.0	368.8	347.1	335.3	402.4	445.8	615.4	684.4	686.4
85°	307.7	220.9	215.0	201.2	177.5	179.5	236.7	447.7	552.3	315.6	272.2
87.5°	84.8	55.2	57.2	45.4	37.5	49.3	80.9	339.3	185.4	78.9	67.1
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)