

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: P955542

Luminaire Tested: **GALN-SB8C-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8C-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42654 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 399.8
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

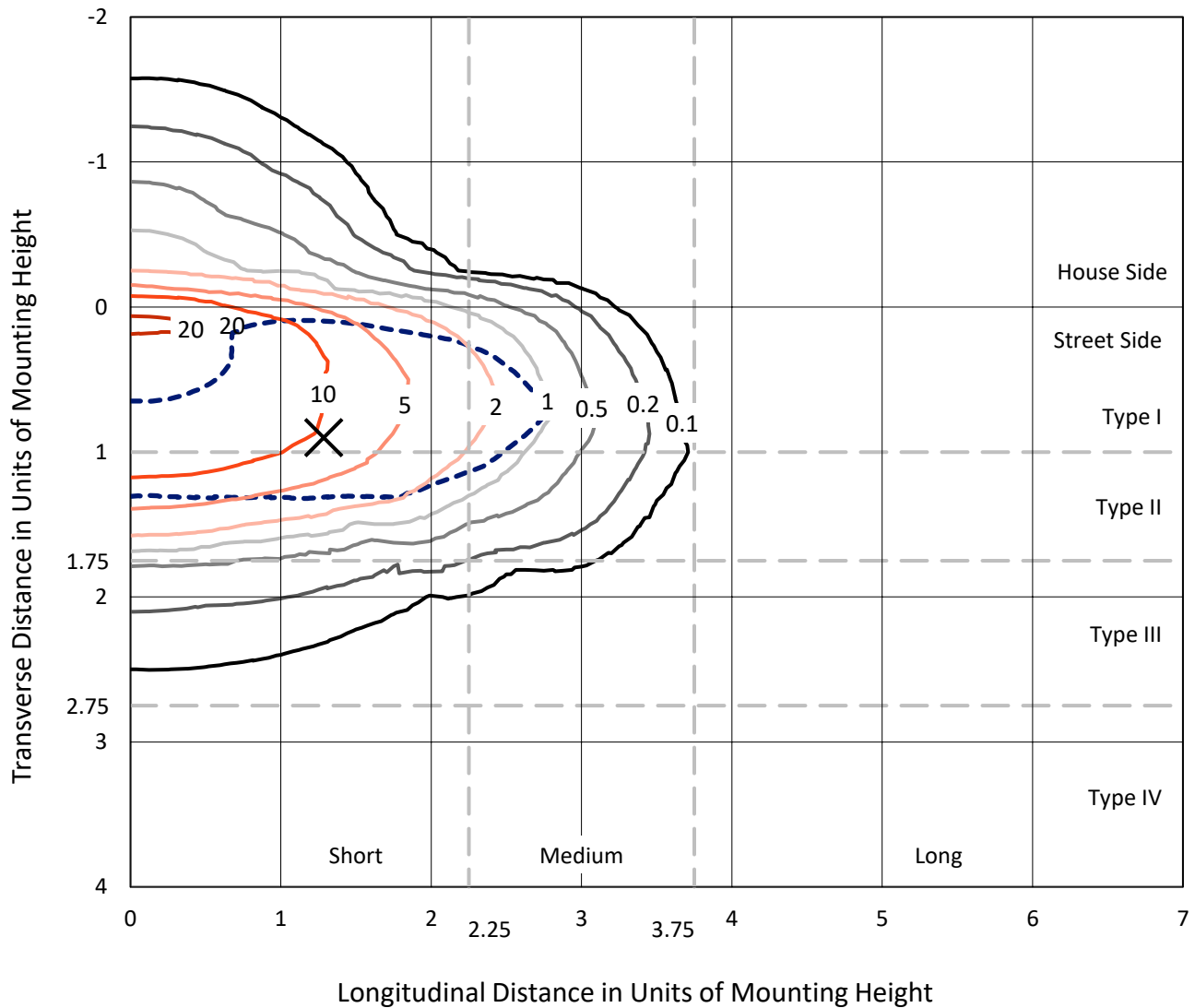


REPORT NUMBER: P955542

CATALOG NUMBER: GALN-SB8C-722-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

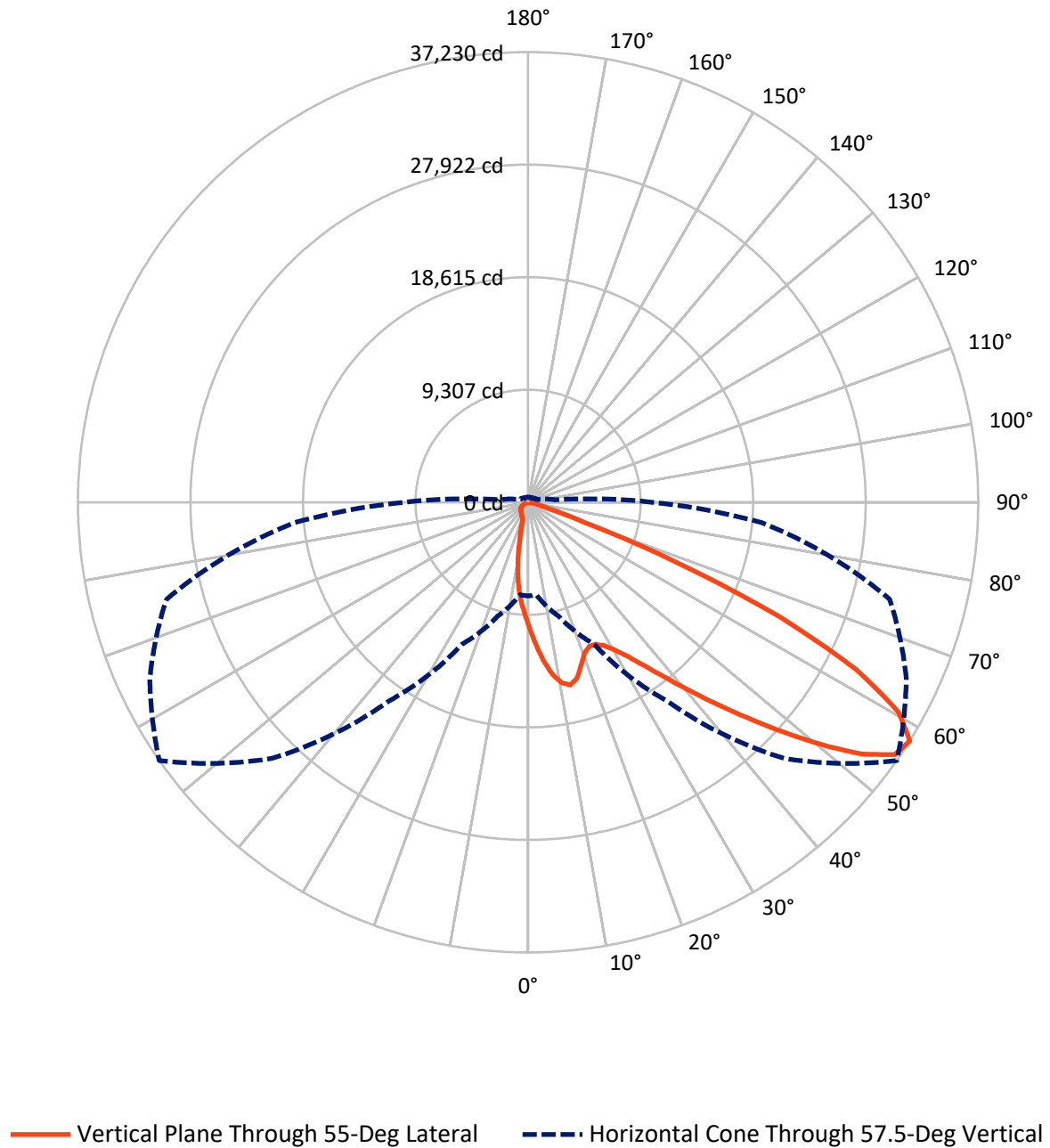
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.5 fc
Type II - Short - N/A

REPORT NUMBER: P955542
CATALOG NUMBER: GALN-SB8C-722-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P955542

CATALOG NUMBER: GALN-SB8C-722-U-AFL-HSS

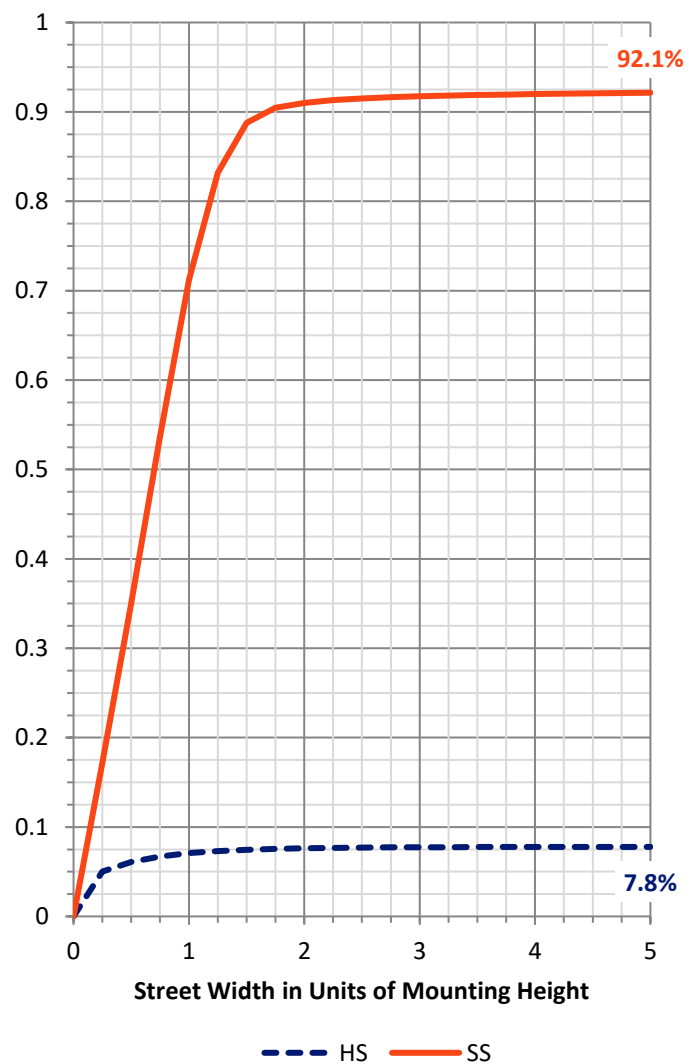
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3331.1	0.0	3331.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	39322.9	0.0	39322.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	42654.0	0.0	42654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.4	2.2
10°-20°	2310.1	5.4
20°-30°	3696.1	8.7
30°-40°	6255.9	14.7
40°-50°	10270.9	24.1
50°-60°	11288.4	26.5
60°-70°	6475.1	15.2
70°-80°	1323.0	3.1
80°-90°	78.0	0.2
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°	42654.0	100.0
0°-180°	42654.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955542

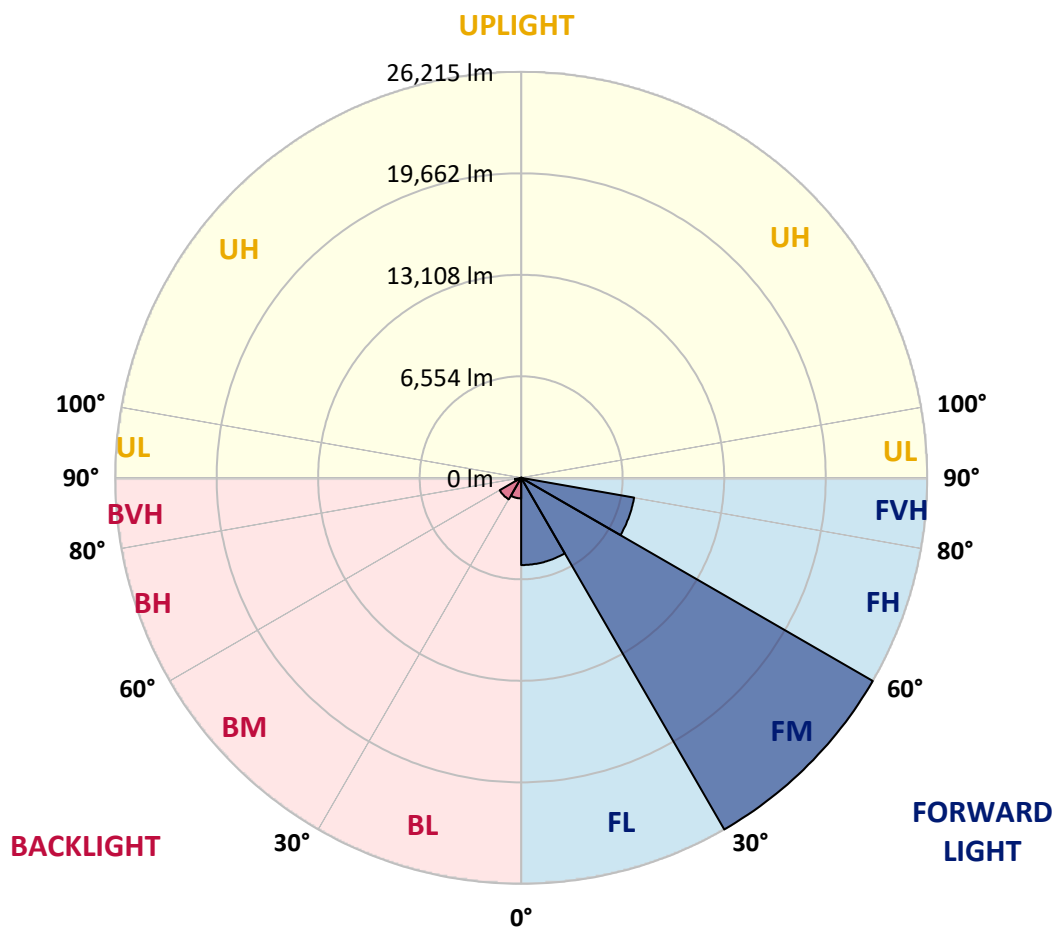
CATALOG NUMBER: GALN-SB8C-722-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5632.7	13.2			
FM	(30°-60°)	26215.5	61.5			
FH	(60°-80°)	7401.9	17.4			G3/7500
FVH	(80°-90°)	72.8	0.2			G1/100
BL	(0°-30°)	1329.9	3.1	B3/2500		
BM	(30°-60°)	1599.8	3.8	B2/2500		
BH	(60°-80°)	396.2	0.9	B1/500		G1/500
BVH	(80°-90°)	5.3	0.0			G0/10
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 Short



REPORT NUMBER: P955542

CATALOG NUMBER: GALN-SB8C-722-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6
2.5°	12753.5	12593.1	12569.4	12537.8	12232.8	12003.9	11672.5	11309.6	10901.9	10486.3	10302.2
5°	14734.0	14607.8	14584.1	14436.8	14089.6	13700.4	13111.2	12366.9	11606.8	10712.5	10328.5
7.5°	15118.0	15094.3	15202.2	15196.9	15149.6	14841.8	14344.7	13458.4	12316.9	10991.3	10396.9
10°	13405.8	13466.3	13787.2	14068.6	14828.7	15270.6	15162.7	14431.5	13048.1	11309.6	10473.2
12.5°	11846.1	11775.1	12003.9	12322.2	13205.9	14521.0	15502.0	15244.3	13884.5	11669.9	10586.3
15°	10867.7	10838.8	10967.7	11114.9	11788.3	13113.8	15107.5	15904.4	14689.3	12096.0	10757.2
17.5°	10554.7	10531.1	10570.5	10607.3	11043.9	12069.7	14168.5	16309.5	15459.9	12582.6	10946.6
20°	10809.8	10778.3	10773.0	10744.1	10925.6	11625.2	13319.0	16338.4	16151.7	13024.4	11109.7
22.5°	11554.2	11517.4	11388.5	11272.8	11288.5	11685.7	12940.3	16049.1	16672.4	13437.4	11212.3
25°	12903.4	12842.9	12574.7	12185.4	11938.2	12106.5	12998.1	15667.7	17169.5	13760.9	11162.3
27.5°	14592.0	14513.1	14168.5	13589.9	13024.4	12819.3	13416.3	15404.7	17582.4	14008.1	11054.5
30°	16246.3	16143.8	15804.5	15354.7	14528.9	13881.8	14171.2	15520.4	18074.3	14265.8	10912.4
32.5°	18032.2	17934.9	17485.1	16927.5	16243.7	15373.1	15204.8	16085.9	18676.6	14626.2	10812.5
35°	20291.5	20138.9	19499.8	18739.7	18013.8	17132.7	16604.0	17061.7	19478.8	15175.9	10867.7
37.5°	22863.8	22658.6	21969.5	20920.1	19973.2	18986.9	18308.4	18403.0	20654.4	15912.3	11038.7
40°	25288.7	25102.0	24465.5	23476.6	22287.8	21091.0	20367.8	20157.3	22277.2	16809.2	11338.5
42.5°	26743.2	26574.9	26306.6	25888.4	24886.3	23665.9	22753.3	22298.3	24197.2	17882.3	11704.1
45°	26824.7	26677.4	27037.8	27524.3	27327.1	26514.4	25401.8	24568.1	26125.1	18889.6	12082.8
47.5°	25520.2	25420.2	26514.4	28213.4	29060.3	29402.3	28376.5	26648.5	27716.3	19612.9	12238.0
50°	21964.2	21927.4	24178.8	27298.2	29720.5	31932.5	31514.3	28584.3	28949.9	19986.4	12090.7
52.5°	19044.8	18910.7	20223.1	24368.2	28760.5	33263.3	34581.0	30483.3	29812.6	20057.4	11746.2
55°	14444.7	14326.3	15972.8	19465.6	25664.8	32789.9	36824.5	32442.7	30430.6	19875.9	11128.1
57.5°	7748.4	7674.7	9755.2	12956.0	20062.7	29949.3	37229.5	34515.2	30951.4	19394.6	10262.8
60°	3016.8	3003.6	3782.1	6286.0	12193.3	24365.6	35185.9	35759.3	31277.6	18802.8	9539.5
62.5°	1825.3	1864.8	1991.0	2822.1	5386.5	15136.4	30475.4	34344.3	31495.9	18261.0	8942.5
65°	1509.7	1512.3	1528.1	1938.4	2580.2	6333.4	22942.7	29688.9	30956.7	17295.8	8095.6
67.5°	1294.0	1317.7	1378.2	1538.6	1820.1	2777.4	13208.5	22997.9	27676.9	15049.6	6775.2
70°	1020.5	1052.1	1128.3	1265.1	1404.5	1738.5	4881.5	15302.1	21143.6	11343.8	5123.5
72.5°	860.1	857.4	896.9	1028.4	1115.2	1223.0	1877.9	8574.2	12288.0	5415.4	2535.4
75°	665.4	691.7	741.7	860.1	912.7	886.4	1017.9	3132.5	4402.8	1641.2	862.7
77.5°	520.8	541.8	586.5	702.2	754.8	628.6	586.5	1120.4	1415.0	589.1	389.3
80°	234.1	252.5	399.8	518.1	615.5	434.0	318.2	573.4	628.6	268.3	197.3
82.5°	42.1	71.0	234.1	273.5	315.6	281.4	165.7	297.2	307.7	107.8	68.4
85°	2.6	5.3	81.5	99.9	126.2	92.1	50.0	118.4	102.6	36.8	26.3
87.5°	0.0	0.0	0.0	2.6	2.6	13.2	15.8	21.0	15.8	13.2	10.5
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: P955542

CATALOG NUMBER: GALN-SB8C-722-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6	10278.6
2.5°	10112.9	9739.4	9376.4	9079.2	8905.6	8611.1	8416.4	8384.9	8303.3	8374.3
5°	9918.2	9250.2	8574.2	7969.3	7472.2	6830.5	6351.8	6149.3	5973.0	6033.5
7.5°	9826.2	8771.5	7719.4	6685.8	5623.2	4597.5	3834.7	3516.5	3274.5	3308.7
10°	9702.6	8274.4	6625.3	5047.2	3624.3	2611.7	2085.7	1891.1	1783.2	1785.9
12.5°	9607.9	7680.0	5355.0	3421.8	2206.7	1667.5	1504.4	1457.1	1425.5	1428.2
15°	9560.5	6980.4	4100.4	2280.3	1578.1	1412.4	1372.9	1351.9	1330.8	1328.2
17.5°	9481.6	6201.9	3001.0	1664.9	1380.8	1323.0	1288.8	1265.1	1238.8	1233.5
20°	9363.3	5318.1	2193.5	1407.1	1294.0	1249.3	1202.0	1170.4	1138.8	1133.6
22.5°	9145.0	4384.4	1685.9	1301.9	1230.9	1180.9	1123.1	1086.2	1054.7	1049.4
25°	8739.9	3508.6	1420.3	1236.2	1175.7	1115.2	1052.1	1002.1	973.1	967.9
27.5°	8227.1	2756.4	1288.8	1175.7	1104.7	1049.4	978.4	931.1	904.8	899.5
30°	7622.1	2122.5	1212.5	1107.3	1020.5	973.1	910.0	870.6	854.8	854.8
32.5°	6969.9	1696.4	1180.9	1038.9	946.8	894.2	844.3	828.5	823.2	820.6
35°	6357.0	1472.9	1165.1	983.7	881.1	831.1	810.1	812.7	823.2	823.2
37.5°	5812.6	1401.9	1157.3	944.2	823.2	778.5	791.7	815.3	804.8	804.8
40°	5320.8	1409.8	1152.0	915.3	775.9	749.6	775.9	757.5	731.2	728.5
42.5°	4944.7	1475.5	1141.5	891.6	747.0	728.5	718.0	689.1	686.5	691.7
45°	4671.1	1533.4	1138.8	881.1	715.4	681.2	668.1	639.1	691.7	704.9
47.5°	4347.6	1533.4	1138.8	844.3	662.8	649.6	628.6	597.0	649.6	662.8
50°	3929.4	1436.1	1094.1	802.2	620.7	612.8	576.0	536.5	526.0	533.9
52.5°	3400.8	1259.8	981.0	744.3	578.6	562.8	518.1	489.2	481.3	481.3
55°	2798.5	1054.7	828.5	660.2	533.9	505.0	473.4	460.3	452.4	447.1
57.5°	2275.1	865.3	665.4	586.5	491.8	455.0	444.5	428.7	415.6	407.7
60°	1867.4	681.2	549.7	520.8	449.8	415.6	412.9	391.9	357.7	352.4
62.5°	1441.3	499.7	462.9	452.4	407.7	378.7	373.5	331.4	278.8	268.3
65°	1017.9	389.3	373.5	397.2	363.0	336.7	323.5	260.4	205.2	197.3
67.5°	715.4	326.1	294.6	347.2	315.6	281.4	273.5	220.9	171.0	165.7
70°	510.2	265.6	242.0	297.2	252.5	247.2	231.5	184.1	139.4	134.1
72.5°	360.3	202.5	186.7	257.8	173.6	213.0	189.4	142.0	105.2	99.9
75°	265.6	144.7	131.5	149.9	126.2	160.4	134.1	94.7	65.8	63.1
77.5°	194.6	92.1	78.9	73.6	73.6	99.9	73.6	39.5	28.9	26.3
80°	136.8	42.1	36.8	31.6	28.9	23.7	10.5	5.3	2.6	2.6
82.5°	81.5	18.4	18.4	13.2	7.9	0.0	0.0	0.0	0.0	0.0
85°	18.4	7.9	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)