

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: P944498

Luminaire Tested: **GALN-SB9C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42665 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 449.8
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



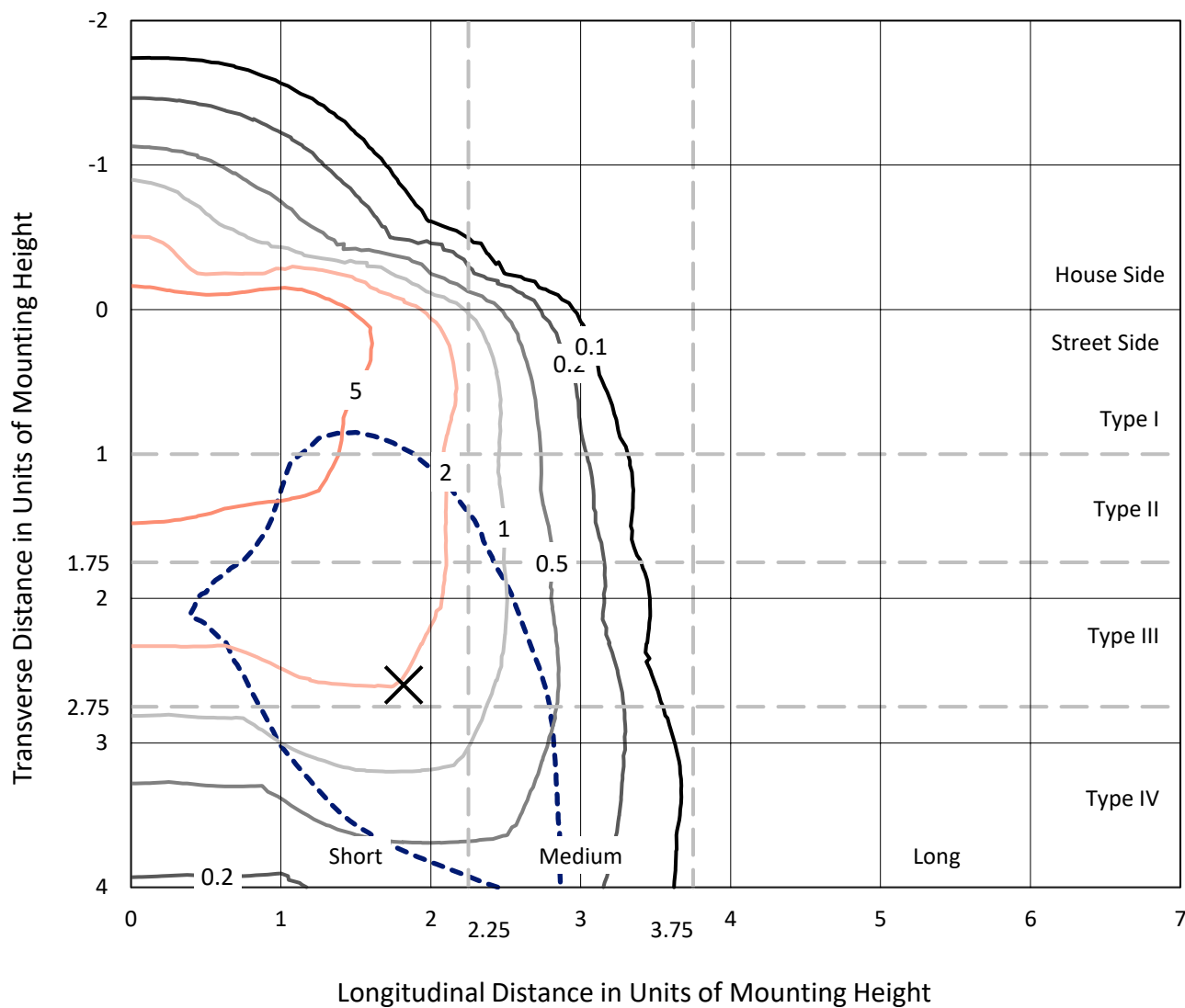
REPORT NUMBER: P944498

CATALOG NUMBER: GALN-SB9C-722-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

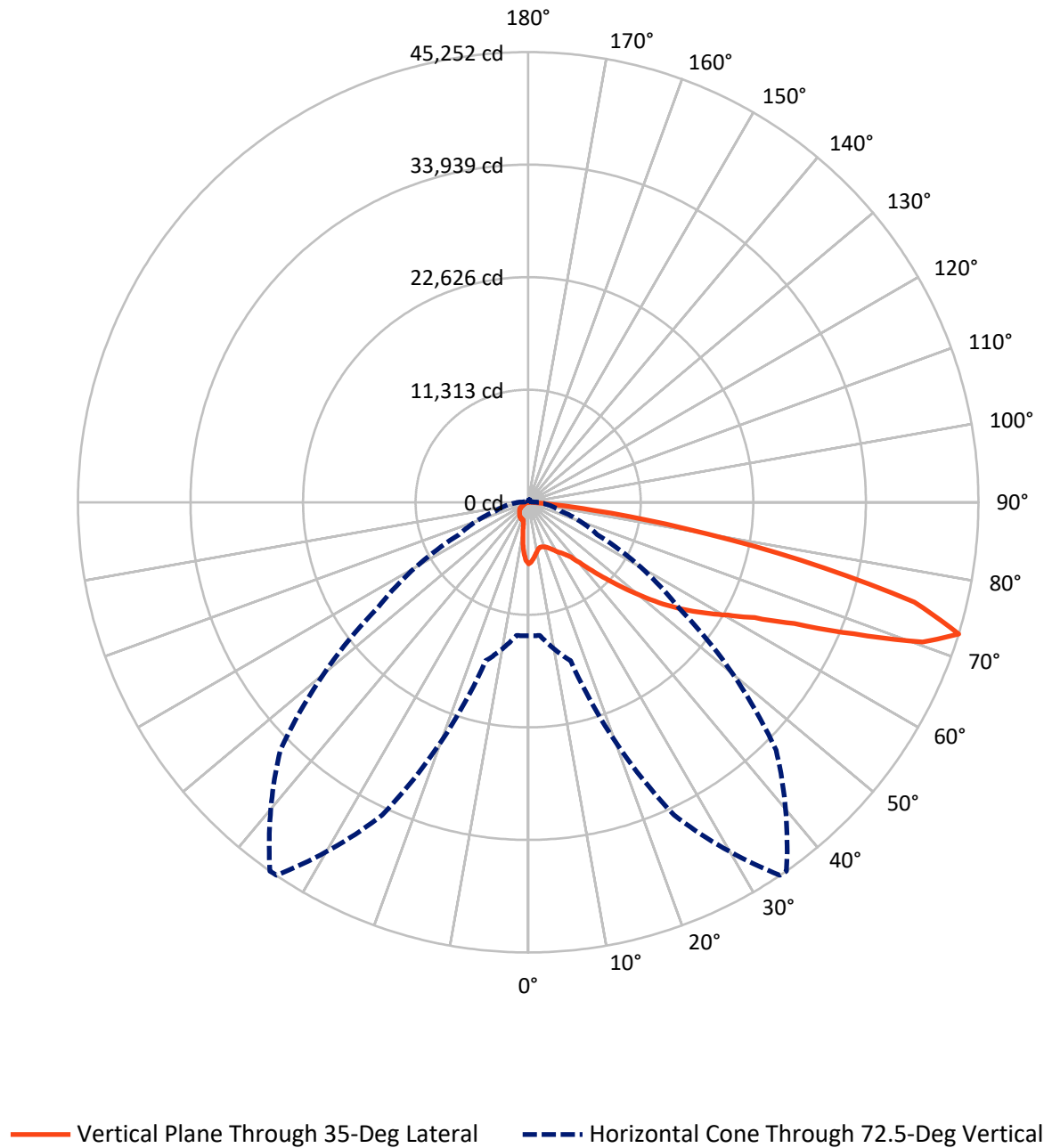
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P944498
CATALOG NUMBER: GALN-SB9C-722-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P944498

CATALOG NUMBER: GALN-SB9C-722-U-T4FT-HSS

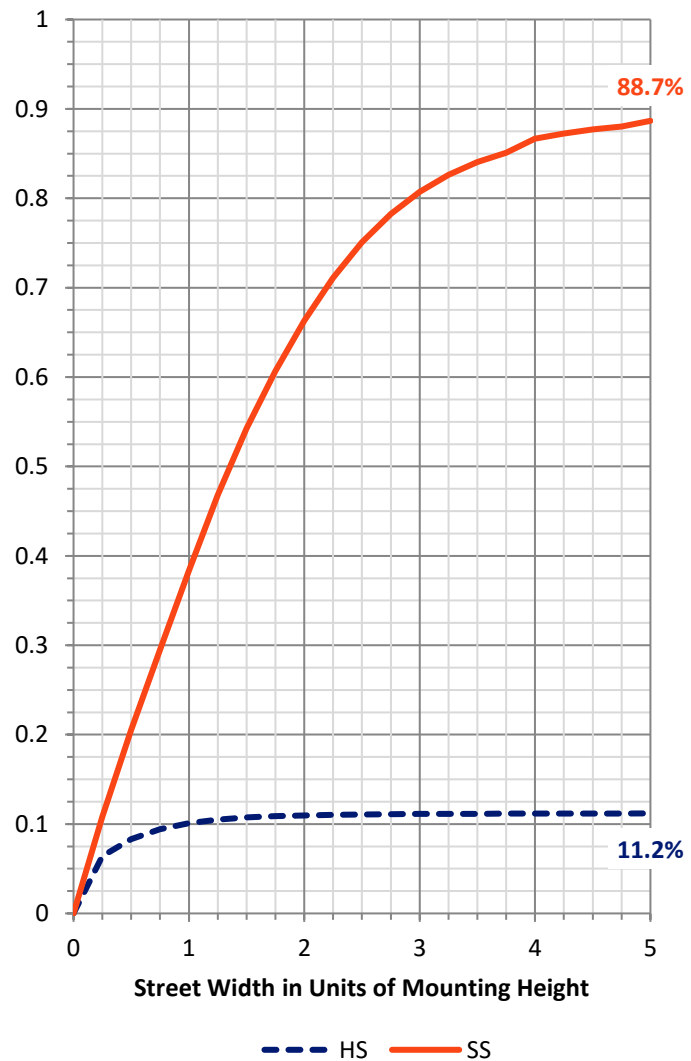
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4801.7	0.0	4801.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	37863.3	0.0	37863.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	42665.0	0.0	42665.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.1	1.2
10°-20°	1188.7	2.8
20°-30°	1931.0	4.5
30°-40°	3221.9	7.6
40°-50°	6095.9	14.3
50°-60°	9686.3	22.7
60°-70°	11982.6	28.1
70°-80°	7448.5	17.5
80°-90°	602.0	1.4
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°	42665.0	100.0
0°-180°	42665.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944498

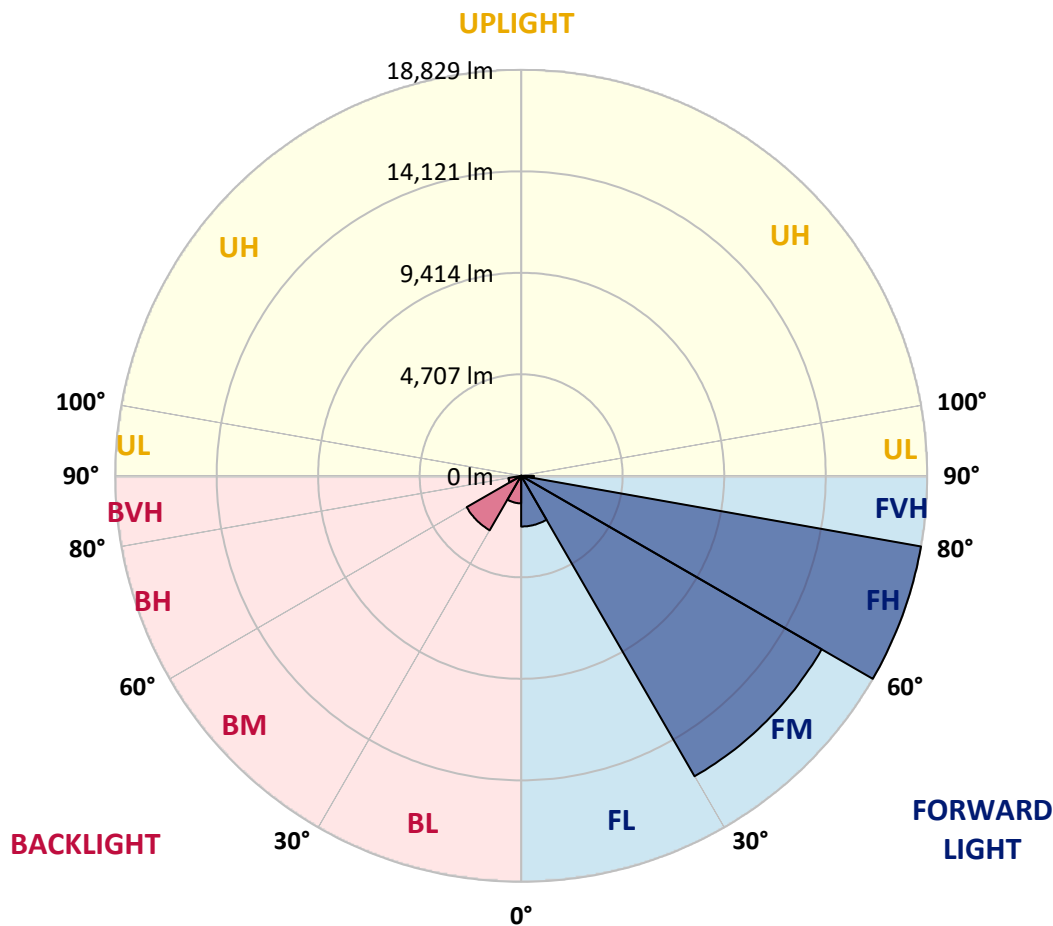
CATALOG NUMBER: GALN-SB9C-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2351.9	5.5			
FM	(30°-60°)	16089.0	37.7			
FH	(60°-80°)	18828.6	44.1			G5
FVH	(80°-90°)	593.8	1.4			G4/750
BL	(0°-30°)	1275.9	3.0	B3/2500		
BM	(30°-60°)	2915.1	6.8	B3/5000		
BH	(60°-80°)	602.5	1.4	B2/1000		G2/1000
BVH	(80°-90°)	8.2	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-G5

Type IV Short



REPORT NUMBER: P944498

CATALOG NUMBER: GALN-SB9C-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6
2.5°	5908.5	5958.5	5967.9	5983.5	5983.5	6002.3	6033.5	6077.3	6149.2	6186.7	6211.7
5°	5445.8	5483.3	5530.2	5567.7	5639.6	5649.0	5770.9	5889.7	6055.4	6180.5	6268.0
7.5°	4980.0	5023.8	5086.3	5177.0	5270.7	5298.9	5483.3	5683.4	5946.0	6180.5	6327.4
10°	4651.8	4654.9	4711.2	4801.8	4951.9	4986.3	5211.3	5495.8	5824.1	6142.9	6383.7
12.5°	4467.3	4489.2	4514.2	4583.0	4726.8	4748.7	4989.4	5323.9	5702.2	6121.1	6449.3
15°	4467.3	4482.9	4498.6	4533.0	4648.6	4667.4	4880.0	5214.5	5639.6	6130.4	6555.6
17.5°	4514.2	4539.2	4526.7	4567.4	4689.3	4701.8	4889.3	5183.2	5636.5	6189.8	6718.2
20°	4626.8	4645.5	4620.5	4645.5	4767.4	4792.4	4986.3	5242.6	5689.7	6293.0	6921.4
22.5°	4804.9	4814.3	4754.9	4773.7	4898.7	4930.0	5155.1	5411.4	5817.8	6458.7	7193.3
25°	5030.0	5048.8	4958.1	4980.0	5098.8	5136.3	5395.8	5664.6	6021.0	6686.9	7540.4
27.5°	5289.5	5298.9	5220.7	5217.6	5370.8	5423.9	5686.5	5977.3	6293.0	6974.5	7978.0
30°	5586.5	5614.6	5539.6	5527.1	5720.9	5764.7	6024.2	6361.8	6693.2	7405.9	8600.1
32.5°	5821.0	5842.8	5799.1	5830.3	6027.3	6061.7	6433.7	6905.7	7321.5	8018.7	9447.3
35°	6158.6	6171.1	6071.0	6127.3	6352.4	6439.9	6993.3	7668.5	8112.4	8787.7	10554.0
37.5°	7380.9	7380.9	6955.8	6677.5	6893.2	6971.4	7759.2	8628.3	9087.8	9819.3	11948.3
40°	9072.2	9044.0	8421.9	7853.0	7824.8	7978.0	8850.2	9838.1	10347.7	11057.3	13517.6
42.5°	10876.0	10832.2	9985.0	9422.3	9328.5	9381.7	10110.1	11329.3	11848.2	12567.3	15205.8
45°	12476.6	12464.1	11688.8	10932.3	10763.4	10932.3	11682.5	13073.7	13445.7	14202.2	16890.8
47.5°	13817.7	13817.7	13251.9	12758.0	12670.4	12770.5	13811.5	15008.8	14974.4	15943.5	18532.0
50°	15362.1	15349.6	14811.9	14599.3	14689.9	14830.6	16262.4	17047.1	16556.3	17653.6	19998.2
52.5°	16443.7	16518.7	16334.3	16299.9	16762.6	17006.4	18750.8	19041.6	17972.4	19276.0	21095.5
55°	17300.3	17387.8	17600.4	17841.1	18732.1	19051.0	21161.1	20932.9	19157.2	20682.8	21727.0
57.5°	18513.3	18388.2	18716.5	19191.6	20632.8	21017.3	23496.4	22718.0	20110.7	21823.9	21795.7
60°	19985.7	20004.4	20060.7	20660.9	22530.4	23024.3	25797.3	24406.1	20723.5	22524.1	21033.0
62.5°	21755.1	21783.2	21898.9	22821.1	25078.2	25544.0	28248.2	25787.9	21004.8	22327.2	19063.5
65°	21633.2	21752.0	23043.1	26197.4	28951.6	29411.1	31108.6	26757.0	20579.7	20526.5	15521.5
67.5°	19707.5	19901.3	22061.5	30230.2	34791.3	35304.0	34566.2	26947.7	18744.6	15962.3	10125.7
70°	17181.5	17250.3	19848.1	33856.6	41553.2	42072.2	37661.1	24850.0	14224.1	8903.4	4536.1
72.5°	13417.6	13433.2	16481.2	34697.5	45223.4	45251.5	35232.1	18447.6	7649.8	3420.0	1575.6
75°	9584.9	9491.1	11038.6	28138.8	39786.9	40105.8	26413.1	8653.3	2923.0	1616.2	784.7
77.5°	5139.4	5242.6	6246.1	16687.6	27485.4	28029.4	14411.7	2494.7	1488.1	1100.4	518.9
80°	1588.1	1675.6	2560.3	7640.4	15568.4	15896.6	5342.6	1109.8	1037.9	784.7	340.8
82.5°	500.2	518.9	1194.2	3210.6	6461.8	6611.9	1547.5	628.4	709.6	518.9	200.1
85°	143.8	146.9	531.5	1197.3	1597.5	1628.7	434.5	243.8	406.4	322.0	103.2
87.5°	15.6	50.0	200.1	200.1	140.7	137.6	46.9	53.1	115.7	40.6	18.8
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: P944498

CATALOG NUMBER: GALN-SB9C-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6	6183.6
2.5°	6196.1	6199.2	6158.6	6089.8	6014.8	5952.3	5874.1	5811.6	5767.8	5755.3	5777.2
5°	6239.9	6218.0	6102.3	5892.9	5642.8	5427.1	5186.3	4995.6	4870.6	4817.4	4836.2
7.5°	6305.5	6243.0	5989.8	5577.1	5098.8	4673.6	4242.2	3907.7	3695.1	3588.9	3604.5
10°	6361.8	6236.7	5802.2	5120.7	4389.2	3745.2	3163.7	2760.4	2535.3	2429.0	2432.2
12.5°	6414.9	6233.6	5558.4	4579.9	3588.9	2801.1	2260.2	2060.2	1997.6	1975.7	1969.5
15°	6515.0	6243.0	5252.0	3960.9	2791.7	2116.4	1919.5	1916.3	1928.9	1922.6	1919.5
17.5°	6652.5	6252.4	4905.0	3304.4	2153.9	1866.3	1857.0	1885.1	1903.8	1894.5	1891.3
20°	6830.7	6289.9	4536.1	2654.1	1850.7	1803.8	1825.7	1850.7	1866.3	1850.7	1847.6
22.5°	7080.8	6355.5	4132.8	2132.1	1753.8	1766.3	1785.1	1813.2	1828.8	1806.9	1803.8
25°	7387.2	6458.7	3735.8	1853.8	1706.9	1722.5	1750.7	1781.9	1800.7	1778.8	1775.7
27.5°	7784.2	6624.4	3370.0	1791.3	1660.0	1669.4	1710.0	1756.9	1781.9	1753.8	1753.8
30°	8359.4	6896.4	3054.3	1819.4	1631.9	1610.0	1666.3	1731.9	1760.0	1735.0	1731.9
32.5°	9122.2	7280.9	2860.5	1863.2	1619.4	1541.2	1594.4	1678.8	1725.7	1710.0	1710.0
35°	10122.6	7865.5	2785.4	1913.2	1610.0	1469.3	1506.8	1597.5	1678.8	1694.4	1694.4
37.5°	11335.5	8678.3	2807.3	1935.1	1581.8	1409.9	1428.7	1506.8	1613.1	1663.1	1675.6
40°	12714.2	9625.5	2932.4	1913.2	1550.6	1359.9	1363.0	1422.4	1516.2	1591.2	1616.2
42.5°	14136.6	10732.2	3163.7	1831.9	1522.5	1316.1	1306.7	1347.4	1409.9	1463.1	1484.9
45°	15490.2	11870.1	3391.9	1719.4	1488.1	1272.4	1250.5	1266.1	1278.6	1300.5	1313.0
47.5°	16671.9	12670.4	3326.3	1616.2	1441.2	1222.3	1184.8	1178.6	1141.1	1137.9	1134.8
50°	17487.9	12845.5	2954.2	1513.1	1372.4	1166.1	1106.7	1069.2	1003.5	972.2	975.4
52.5°	17747.3	12154.6	2413.4	1409.9	1259.9	1091.0	1006.6	947.2	866.0	837.8	834.7
55°	17403.5	10801.0	1928.9	1284.9	1103.5	991.0	897.2	819.1	753.4	719.0	719.0
57.5°	16562.5	9078.4	1525.6	1137.9	937.9	878.5	784.7	706.5	650.2	615.9	609.6
60°	15168.2	7209.0	1206.7	962.9	800.3	756.5	659.6	609.6	559.6	518.9	509.6
62.5°	13051.8	5145.7	947.2	762.8	669.0	619.0	562.7	525.2	465.8	409.5	400.2
65°	10185.1	3148.1	731.5	559.6	537.7	512.7	478.3	443.9	372.0	315.7	306.4
67.5°	6424.3	1491.2	522.1	422.0	425.2	412.7	397.0	368.9	315.7	265.7	259.5
70°	2829.2	722.1	343.9	322.0	315.7	315.7	328.2	318.9	268.9	222.0	212.6
72.5°	962.9	387.6	256.3	243.8	228.2	225.1	275.1	265.7	215.7	171.9	162.6
75°	503.3	259.5	187.6	175.1	137.6	165.7	218.8	206.3	153.2	112.5	103.2
77.5°	328.2	184.4	128.2	112.5	78.2	109.4	162.6	143.8	90.7	56.3	50.0
80°	206.3	121.9	75.0	53.1	37.5	59.4	87.5	62.5	34.4	12.5	9.4
82.5°	109.4	62.5	28.1	18.8	15.6	18.8	21.9	15.6	6.3	0.0	0.0
85°	43.8	21.9	9.4	6.3	3.1	0.0	6.3	3.1	0.0	0.0	0.0
87.5°	15.6	3.1	0.0	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	0.0

(END OF REPORT)