

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: P940757

Luminaire Tested: **GALN-SB4A-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

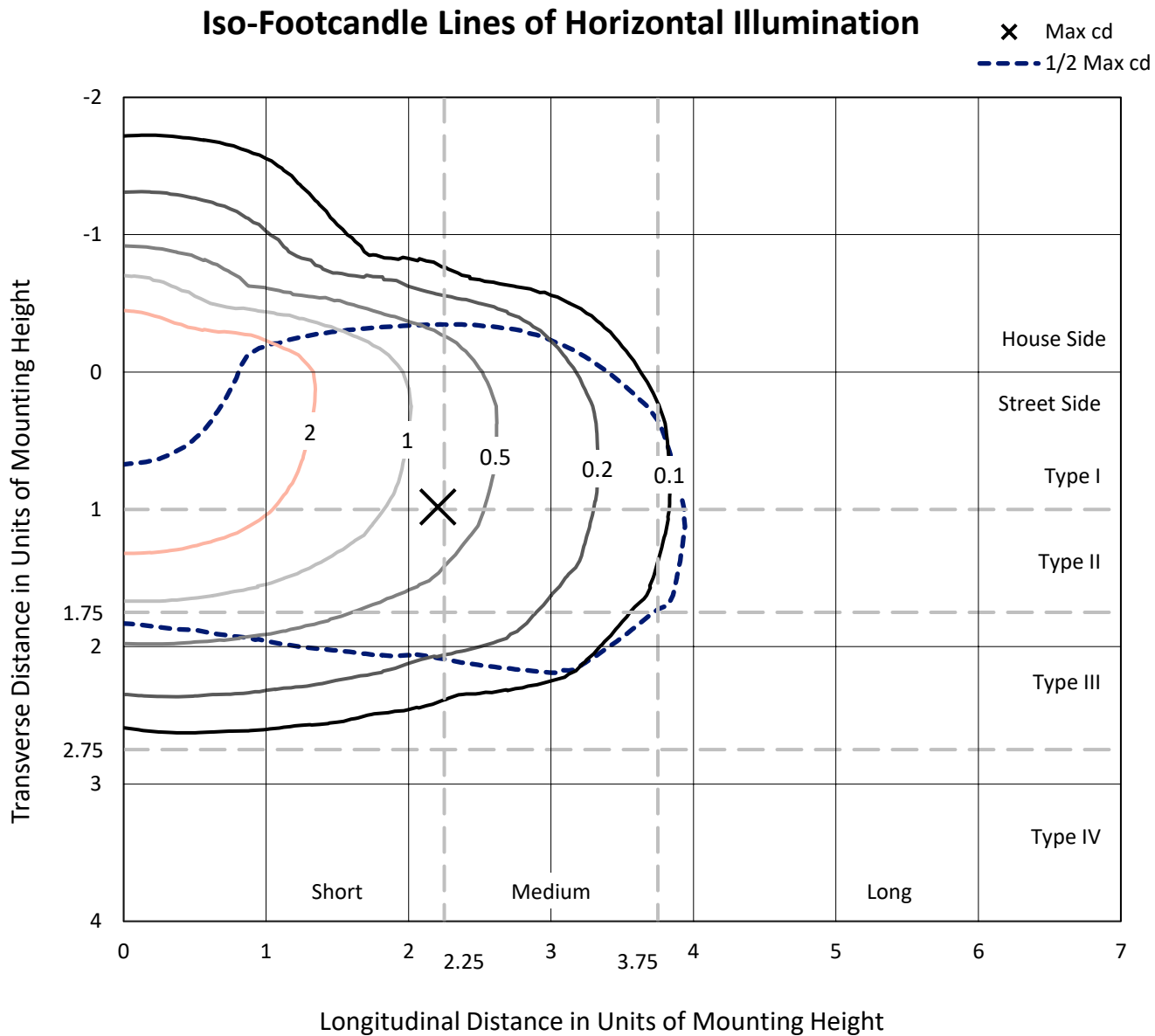
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14861 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 114
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: P940757
CATALOG NUMBER: GALN-SB4A-722-U-T3

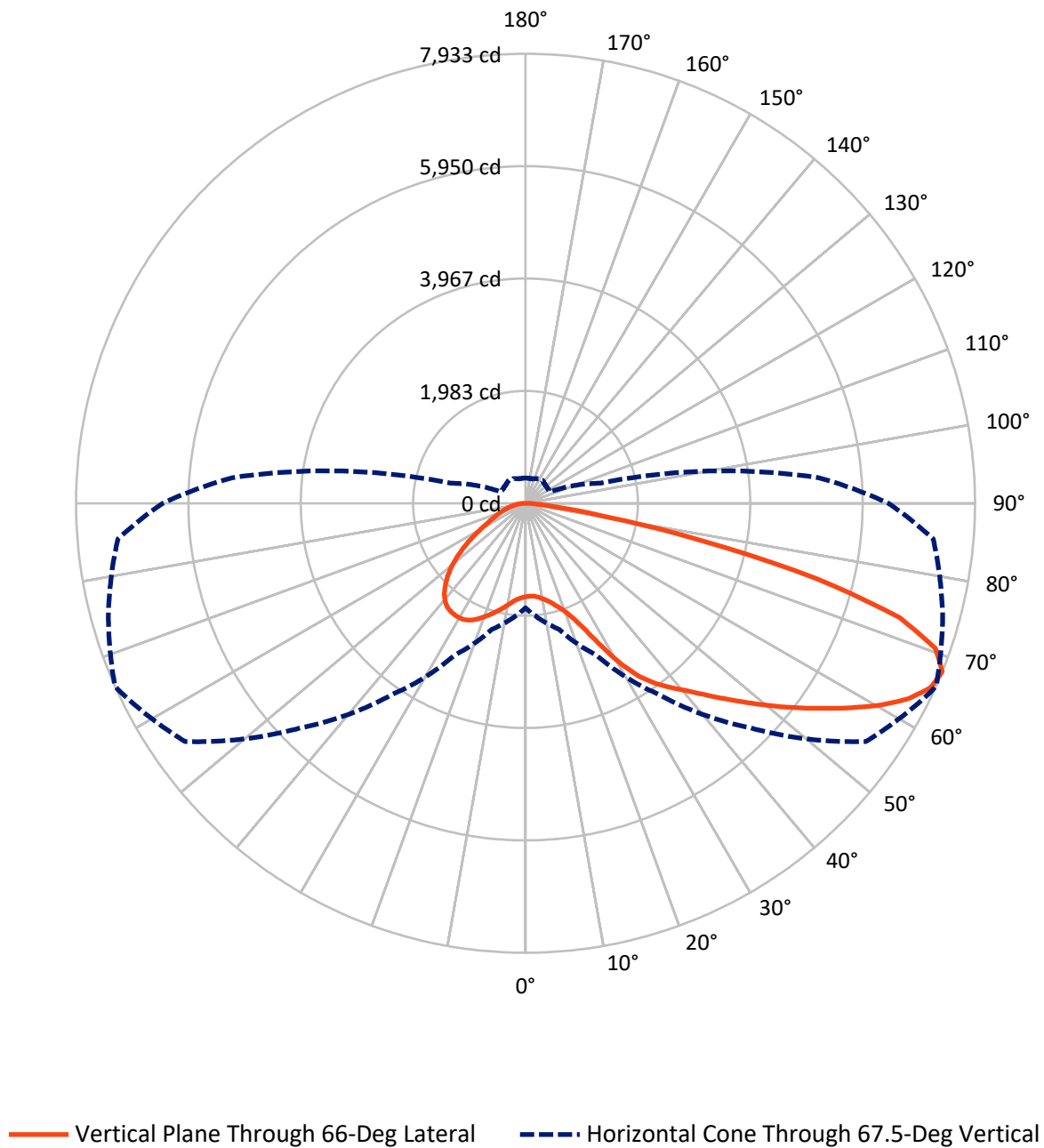


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type III - Short - N/A

REPORT NUMBER: P940757

CATALOG NUMBER: GALN-SB4A-722-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P940757

CATALOG NUMBER: GALN-SB4A-722-U-T3

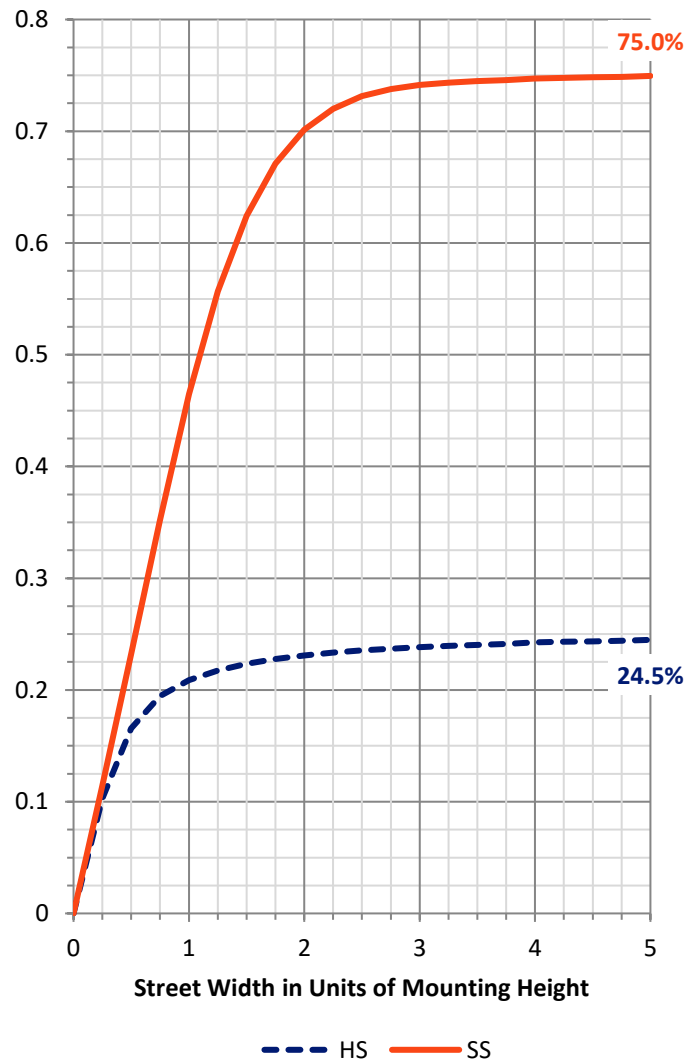
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3695.1	0.0	3695.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11165.9	0.0	11165.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	14861.0	0.0	14861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	1.1
10°-20°	539.9	3.6
20°-30°	1040.7	7.0
30°-40°	1824.7	12.3
40°-50°	2712.7	18.3
50°-60°	3438.6	23.1
60°-70°	3364.6	22.6
70°-80°	1604.9	10.8
80°-90°	171.5	1.2
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°	14861.0	100.0
0°-180°	14861.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940757

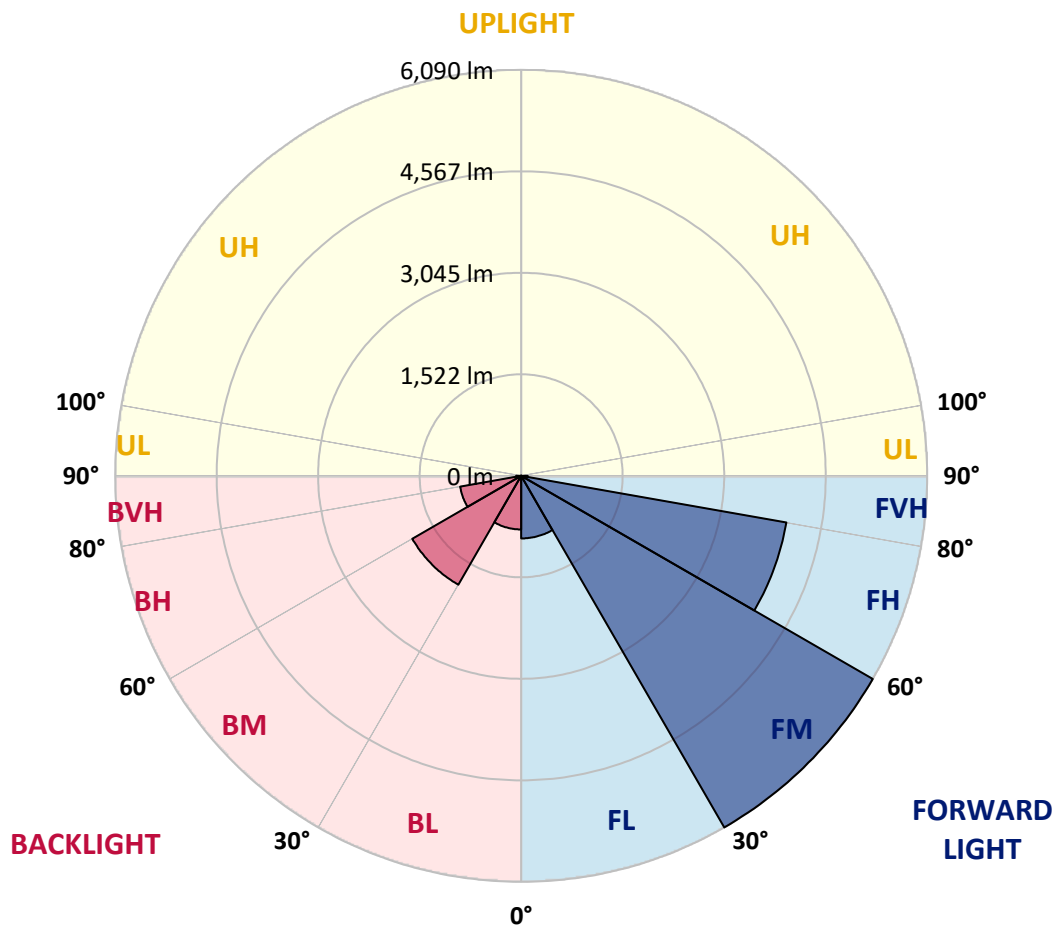
CATALOG NUMBER: GALN-SB4A-722-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	939.1	6.3			
FM	(30°-60°)	6089.9	41.0			
FH	(60°-80°)	4039.6	27.2			G2/5000
FVH	(80°-90°)	97.3	0.7			G1/100
BL	(0°-30°)	804.9	5.4	B2/1000		
BM	(30°-60°)	1886.0	12.7	B2/2500		
BH	(60°-80°)	929.9	6.3	B2/1000		G2/1000
BVH	(80°-90°)	74.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P940757

CATALOG NUMBER: GALN-SB4A-722-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3
2.5°	1631.1	1640.5	1638.1	1634.2	1633.4	1635.0	1637.4	1639.7	1638.9	1642.8	1649.1
5°	1626.4	1635.8	1635.0	1635.0	1638.1	1644.4	1648.3	1652.2	1648.3	1653.0	1661.6
7.5°	1629.5	1636.6	1639.7	1642.8	1650.6	1662.3	1671.7	1680.3	1675.6	1681.1	1692.0
10°	1669.4	1674.8	1678.0	1678.0	1683.4	1696.7	1706.1	1721.7	1717.8	1726.4	1740.4
12.5°	1742.0	1747.4	1747.4	1744.3	1748.2	1756.8	1759.9	1777.1	1770.1	1784.1	1798.2
15°	1831.0	1841.9	1833.3	1827.9	1829.4	1838.0	1837.2	1850.5	1843.5	1855.2	1867.7
17.5°	1929.4	1943.4	1929.4	1928.6	1925.5	1934.8	1935.6	1947.3	1934.8	1943.4	1952.0
20°	2045.7	2065.2	2053.5	2057.4	2050.4	2054.3	2058.2	2075.4	2055.9	2062.1	2059.8
22.5°	2209.7	2233.1	2220.6	2235.4	2230.8	2227.6	2226.9	2257.3	2226.9	2229.2	2206.6
25°	2448.6	2476.7	2454.9	2475.2	2475.2	2485.3	2497.0	2536.1	2485.3	2470.5	2411.9
27.5°	2801.5	2829.6	2786.7	2799.2	2795.3	2820.3	2807.8	2904.6	2849.9	2825.7	2707.8
30°	3226.3	3276.3	3195.1	3191.9	3188.0	3227.9	3245.8	3309.8	3254.4	3230.2	3088.1
32.5°	3685.4	3737.7	3640.9	3612.8	3598.0	3622.2	3607.3	3658.9	3620.6	3583.1	3407.4
35°	4171.1	4222.6	4130.5	4075.8	4016.5	3965.7	3912.6	3925.9	3890.0	3833.0	3651.0
37.5°	4630.2	4724.7	4627.1	4568.5	4459.2	4360.0	4211.7	4150.0	4116.4	4064.1	3880.6
40°	5097.9	5151.8	5077.6	5027.6	4908.9	4753.5	4516.2	4385.8	4340.5	4289.7	4134.4
42.5°	5442.2	5493.8	5453.9	5419.6	5326.7	5146.3	4839.4	4676.2	4610.7	4553.7	4421.7
45°	5715.5	5753.8	5728.8	5741.3	5701.4	5526.5	5174.4	4987.8	4919.9	4850.4	4746.5
47.5°	5825.6	5866.2	5906.0	5980.2	6048.1	5919.3	5534.4	5325.1	5253.3	5182.2	5079.9
50°	5813.1	5854.5	5970.0	6127.8	6338.6	6295.6	5913.8	5684.3	5617.9	5536.7	5442.2
52.5°	5713.2	5760.0	5908.4	6170.7	6506.5	6577.5	6300.3	6055.1	5992.7	5895.9	5801.4
55°	5450.8	5478.9	5701.4	6073.1	6546.3	6774.3	6679.0	6450.2	6387.8	6252.7	6149.6
57.5°	4964.4	5005.0	5329.0	5810.0	6446.3	6907.8	7011.6	6865.6	6805.5	6611.1	6503.3
60°	4329.6	4394.4	4765.3	5368.0	6191.8	6907.0	7313.8	7274.0	7224.0	6964.0	6851.6
62.5°	3611.2	3686.2	4043.0	4743.4	5746.7	6711.0	7502.8	7616.0	7590.2	7289.6	7145.9
65°	2773.4	2825.0	3180.2	3935.3	5054.2	6290.2	7524.6	7849.4	7854.1	7537.1	7299.8
67.5°	1846.6	1995.0	2303.4	2953.0	4126.6	5602.3	7332.5	7887.7	7933.0	7622.2	7222.5
70°	901.1	1096.3	1398.4	1919.2	2953.0	4547.4	6830.5	7573.8	7674.5	7373.9	6761.8
72.5°	374.0	437.3	602.0	947.1	1695.1	3068.6	5821.7	6722.7	6909.4	6533.8	5685.0
75°	252.2	273.3	344.3	485.7	772.2	1513.2	4198.4	5012.8	5313.4	4934.7	4033.6
77.5°	194.4	207.7	250.6	339.7	459.1	572.3	2247.2	3020.9	3176.3	2940.5	2098.8
80°	153.0	163.2	187.4	247.5	325.6	306.1	766.0	1368.8	1458.5	1223.5	674.6
82.5°	132.7	136.6	134.3	167.9	216.3	178.8	251.4	505.2	557.5	404.5	220.2
85°	96.0	107.0	111.7	103.8	114.8	90.6	103.1	178.8	196.8	175.7	124.1
87.5°	39.0	57.8	71.1	67.1	42.2	25.8	32.0	52.3	60.1	65.6	40.6
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: P940757

CATALOG NUMBER: GALN-SB4A-722-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3	1648.3
2.5°	1649.8	1655.3	1659.2	1663.9	1667.0	1671.7	1681.1	1686.5	1687.3	1691.2	1690.4
5°	1664.7	1672.5	1681.1	1693.6	1707.6	1719.3	1737.3	1749.8	1754.5	1758.4	1757.6
7.5°	1696.7	1707.6	1723.2	1745.1	1765.4	1781.0	1802.9	1817.7	1832.6	1838.0	1838.8
10°	1744.3	1759.9	1782.6	1812.3	1834.1	1854.4	1877.1	1889.6	1904.4	1910.6	1913.8
12.5°	1803.7	1820.1	1849.7	1891.1	1911.4	1925.5	1933.3	1930.2	1933.3	1938.7	1940.3
15°	1871.6	1889.6	1923.1	1967.6	1981.7	1969.2	1952.0	1936.4	1934.1	1935.6	1941.1
17.5°	1952.0	1965.3	2004.3	2041.8	2031.7	1980.1	1942.6	1917.7	1905.2	1901.3	1906.7
20°	2064.5	2064.5	2096.5	2119.9	2052.0	1964.5	1905.9	1865.3	1839.6	1828.6	1826.3
22.5°	2201.1	2188.6	2208.9	2192.5	2048.1	1920.8	1839.6	1769.3	1730.3	1714.6	1712.3
25°	2374.4	2359.6	2354.1	2252.6	2019.9	1851.3	1719.3	1634.2	1599.9	1591.3	1592.8
27.5°	2636.0	2598.5	2527.5	2285.4	1968.4	1742.0	1578.8	1499.9	1480.4	1481.2	1483.5
30°	2984.2	2909.3	2735.2	2290.9	1884.1	1587.4	1435.1	1378.9	1369.5	1373.4	1386.7
32.5°	3306.7	3235.7	2947.5	2265.9	1754.5	1435.9	1306.3	1268.8	1254.8	1259.4	1265.7
35°	3559.7	3540.2	3144.3	2230.8	1595.2	1293.8	1190.7	1158.7	1131.4	1125.1	1129.8
37.5°	3798.6	3790.8	3291.9	2181.6	1437.5	1193.1	1097.8	1055.6	1015.8	994.0	994.7
40°	4061.0	4053.2	3388.7	2105.8	1297.7	1105.6	1014.3	958.8	909.6	869.8	873.7
42.5°	4356.1	4310.0	3434.8	1997.3	1179.0	1031.4	946.3	871.4	806.6	769.9	772.2
45°	4678.6	4574.7	3434.0	1859.1	1079.1	963.5	873.7	767.5	707.4	673.1	671.5
47.5°	5020.6	4827.7	3391.8	1706.1	982.3	888.6	761.3	680.1	640.3	619.2	614.5
50°	5373.5	5064.3	3320.0	1530.4	883.1	803.4	691.0	635.6	605.1	585.6	578.6
52.5°	5705.3	5279.0	3233.3	1331.3	782.4	720.7	659.8	616.8	584.8	563.0	553.6
55°	6013.8	5464.1	3110.7	1127.5	700.4	665.2	644.9	609.0	572.3	546.6	536.4
57.5°	6287.8	5584.3	2899.1	936.2	641.8	627.0	629.3	595.8	553.6	531.7	517.7
60°	6515.8	5672.6	2586.0	758.9	594.2	589.5	605.1	570.8	521.6	496.6	485.7
62.5°	6652.5	5671.0	2201.9	621.5	553.6	555.2	573.1	539.5	489.6	466.1	459.1
65°	6640.8	5532.0	1780.2	531.7	514.6	516.1	539.5	505.2	463.0	449.0	448.2
67.5°	6405.7	5193.1	1365.6	473.2	471.6	478.6	506.0	481.8	446.6	445.1	447.4
70°	5769.4	4489.6	983.8	426.3	427.1	437.3	473.2	466.9	438.0	441.2	440.4
72.5°	4626.3	3423.1	660.6	377.1	377.9	394.3	441.9	455.2	429.4	470.8	477.1
75°	3081.1	2134.7	424.8	324.8	325.6	346.7	414.6	432.6	406.0	469.3	473.2
77.5°	1480.4	959.6	307.6	273.3	273.3	292.8	358.4	387.3	345.9	364.6	334.2
80°	511.4	360.7	242.0	220.2	215.5	228.8	302.2	335.7	298.3	274.8	257.7
82.5°	201.4	187.4	194.4	171.0	155.4	164.0	235.0	277.2	219.4	198.3	197.5
85°	115.6	121.8	137.4	113.2	89.8	100.7	172.6	199.1	165.5	146.0	149.1
87.5°	31.2	42.9	63.2	58.6	40.6	42.9	82.0	110.1	95.3	73.4	75.7
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)