

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: P951981

Luminaire Tested: **GALN-SB6A-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17150 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

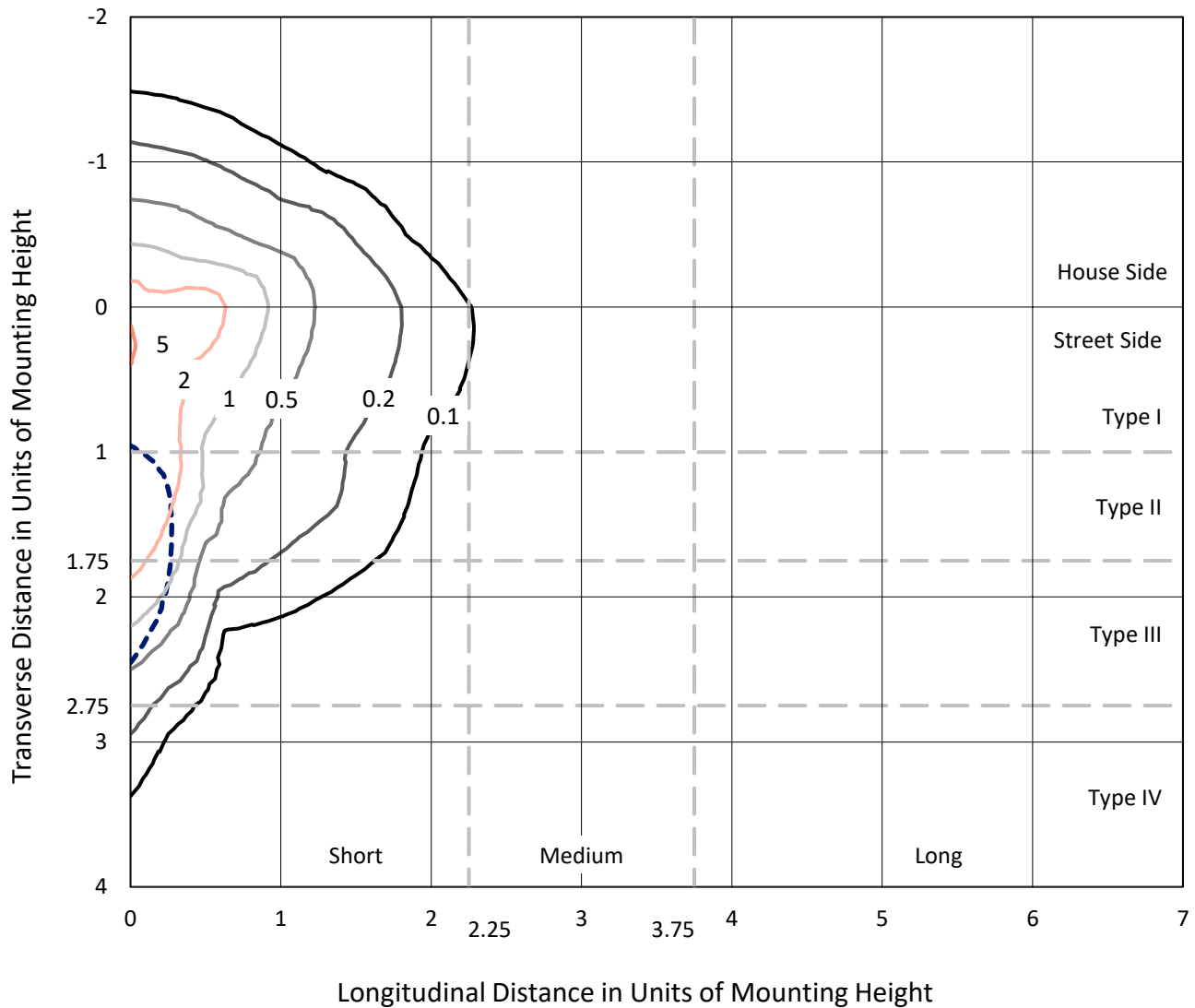
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951981
CATALOG NUMBER: GALN-SB6A-722-U-SLR-HSS

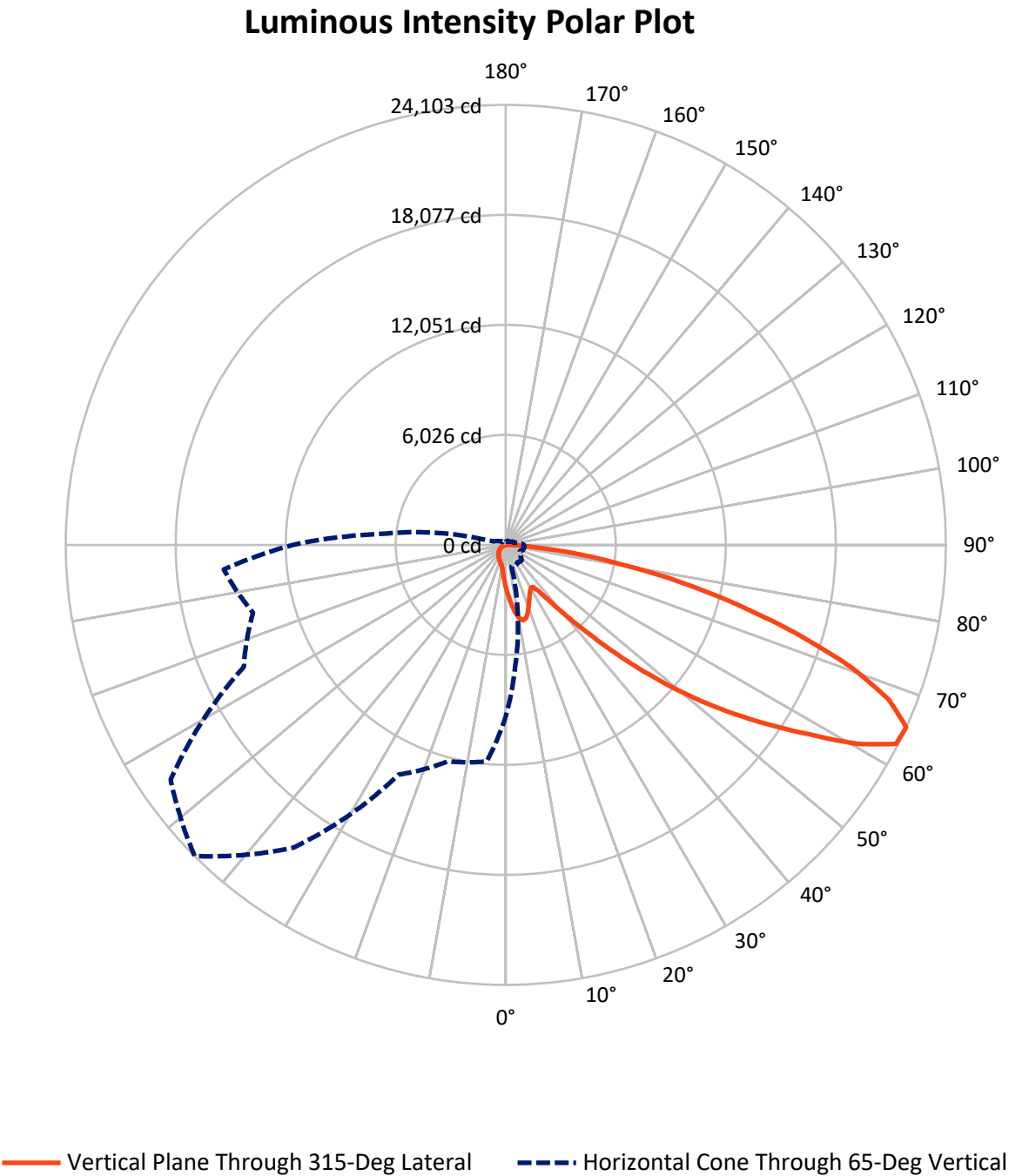
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type IV - Short - N/A

REPORT NUMBER: P951981
CATALOG NUMBER: GALN-SB6A-722-U-SLR-HSS



REPORT NUMBER: P951981

CATALOG NUMBER: GALN-SB6A-722-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2401.7	0.0	2401.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	14748.3	0.0	14748.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	17150.0	0.0	17150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	1.4
10°-20°	700.9	4.1
20°-30°	1032.5	6.0
30°-40°	1326.5	7.7
40°-50°	2145.3	12.5
50°-60°	3762.1	21.9
60°-70°	4707.4	27.4
70°-80°	2750.8	16.0
80°-90°	490.8	2.9
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°	17150.0	100.0
0°-180°	17150.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951981

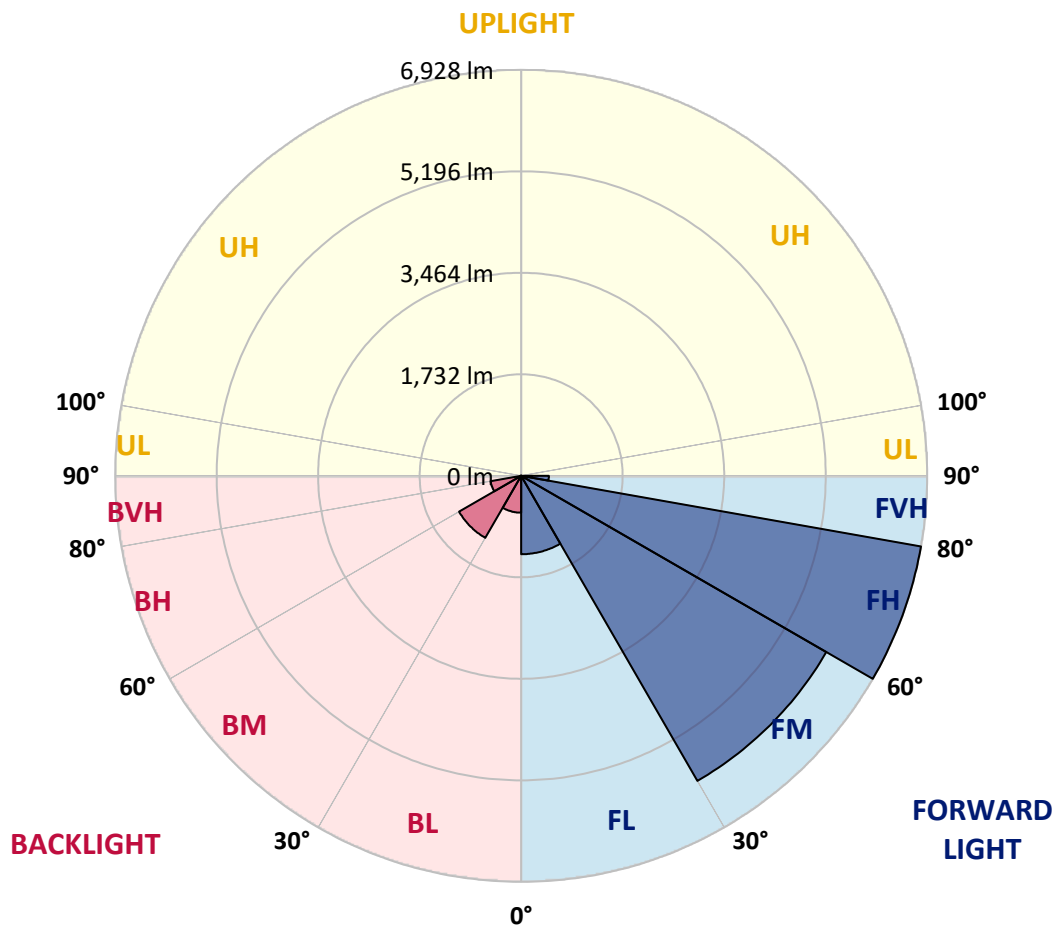
CATALOG NUMBER: GALN-SB6A-722-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1337.6	7.8			
FM	(30°-60°)	6010.9	35.0			
FH	(60°-80°)	6927.8	40.4			G3/7500
FVH	(80°-90°)	471.9	2.8			G3/500
BL	(0°-30°)	629.5	3.7	B2/1000		
BM	(30°-60°)	1223.0	7.1	B2/2500		
BH	(60°-80°)	530.3	3.1	B2/1000		G2/1000
BVH	(80°-90°)	18.9	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P951981

CATALOG NUMBER: GALN-SB6A-722-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7
2.5°	2683.1	2637.0	2609.8	2542.5	2475.1	2420.8	2347.6	2299.1	2241.2	2185.7	2136.1
5°	2990.3	2915.8	2826.0	2703.2	2590.9	2476.3	2365.3	2255.4	2139.6	2033.3	1968.3
7.5°	3250.2	3142.7	2984.4	2821.3	2678.4	2540.1	2410.2	2264.9	2124.3	1957.7	1869.1
10°	3448.7	3311.6	3103.7	2889.8	2725.6	2586.2	2459.8	2336.9	2195.1	1994.3	1883.2
12.5°	3569.2	3422.7	3175.8	2925.3	2737.4	2581.5	2483.4	2429.1	2373.5	2173.9	2043.9
15°	3657.8	3499.5	3226.6	2950.1	2710.3	2518.9	2446.8	2501.1	2564.9	2437.3	2287.3
17.5°	3749.9	3583.4	3292.7	2960.7	2637.0	2397.2	2366.5	2507.0	2654.7	2648.8	2500.0
20°	3837.4	3672.0	3350.6	2953.6	2518.9	2249.5	2276.7	2456.2	2627.6	2699.6	2619.3
22.5°	3937.8	3762.9	3406.1	2926.5	2365.3	2111.3	2196.3	2375.9	2526.0	2611.0	2586.2
25°	4060.7	3877.5	3484.1	2886.3	2199.9	1996.7	2114.8	2282.6	2404.3	2463.3	2462.2
27.5°	4193.0	4014.6	3588.1	2865.0	2066.4	1915.1	2022.7	2171.5	2280.2	2321.6	2321.6
30°	4357.2	4174.1	3711.0	2841.4	1978.9	1867.9	1927.0	2042.7	2149.1	2190.4	2190.4
32.5°	4536.8	4351.3	3829.1	2784.7	1925.8	1832.4	1833.6	1906.9	2003.7	2053.4	2060.5
35°	4761.3	4564.0	3955.5	2660.6	1883.2	1791.1	1742.6	1778.1	1858.4	1917.5	1932.9
37.5°	5081.4	4842.8	4110.3	2483.4	1820.6	1727.3	1646.9	1655.2	1716.7	1781.6	1805.3
40°	5523.3	5217.3	4292.2	2299.1	1730.8	1637.5	1541.8	1538.3	1583.2	1646.9	1672.9
42.5°	6121.1	5712.3	4510.8	2123.1	1644.6	1528.8	1430.7	1424.8	1460.3	1515.8	1543.0
45°	6910.3	6345.6	4779.0	1971.8	1577.2	1422.5	1325.6	1323.2	1352.8	1401.2	1429.6
47.5°	7920.5	7225.8	5047.2	1869.1	1541.8	1338.6	1239.3	1244.1	1270.1	1313.8	1333.9
50°	9228.4	8373.0	5128.7	1817.1	1541.8	1293.7	1162.6	1186.2	1207.4	1240.5	1252.3
52.5°	10796.1	9474.1	4859.3	1769.8	1551.3	1299.6	1097.6	1148.4	1163.7	1192.1	1196.8
55°	12249.3	10014.0	4177.6	1704.8	1553.6	1336.2	1042.0	1117.7	1146.0	1156.6	1155.5
57.5°	13092.9	9828.5	3377.8	1595.0	1544.2	1361.0	1006.6	1079.9	1134.2	1141.3	1130.7
60°	12932.2	9177.5	2487.0	1511.1	1474.5	1351.6	996.0	1022.0	1108.2	1118.8	1104.7
62.5°	11694.0	8085.9	1726.1	1446.1	1320.9	1310.2	992.4	931.0	1051.5</		

REPORT NUMBER: P951981

CATALOG NUMBER: GALN-SB6A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7
2.5°	2126.6	2068.7	2026.2	2004.9	1987.2	2003.7	2013.2	2013.2	2053.4	2077.0	2086.5
5°	1927.0	1823.0	1743.8	1690.7	1658.8	1669.4	1681.2	1694.2	1745.0	1779.3	1801.7
7.5°	1788.7	1629.2	1508.7	1434.3	1395.3	1401.2	1409.5	1420.1	1469.7	1504.0	1533.5
10°	1762.7	1533.5	1363.4	1265.3	1218.1	1209.8	1205.1	1201.5	1231.1	1257.1	1280.7
12.5°	1869.1	1538.3	1300.8	1181.5	1123.6	1098.8	1070.4	1048.0	1052.7	1069.2	1098.8
15°	2059.3	1598.5	1280.7	1137.7	1065.7	1024.3	991.2	964.1	958.2	964.1	968.8
17.5°	2276.7	1680.0	1278.3	1099.9	1010.1	967.6	940.4	915.6	907.4	908.5	914.4
20°	2420.8	1745.0	1271.2	1057.4	957.0	919.2	895.5	870.7	862.5	864.8	866.0
22.5°	2435.0	1779.3	1260.6	1010.1	903.8	871.9	848.3	825.8	824.7	824.7	831.7
25°	2358.2	1779.3	1238.2	967.6	853.0	824.7	803.4	776.2	780.9	783.3	792.8
27.5°	2238.9	1736.7	1195.6	933.4	809.3	779.8	758.5	733.7	739.6	743.1	753.8
30°	2120.7	1682.4	1144.8	894.4	767.9	733.7	718.3	697.1	699.4	704.1	716.0
32.5°	2010.8	1624.5	1084.6	862.5	726.6	692.3	680.5	656.9	660.4	665.2	678.2
35°	1902.1	1560.7	1013.7	824.7	688.8	654.5	645.1	617.9	620.3	627.4	641.5
37.5°	1785.2	1493.4	955.8	786.8	652.2	616.7	607.3	578.9	581.3	589.5	606.1
40°	1662.3	1427.2	899.1	746.7	613.2	577.7	569.5	538.7	541.1	550.6	568.3
42.5°	1538.3	1355.1	855.4	694.7	573.0	535.2	526.9	498.6	502.1	512.8	530.5
45°	1423.7	1268.9	827.0	636.8	535.2	492.7	484.4	458.4	465.5	477.3	495.0
47.5°	1325.6	1180.3	815.2	588.4	495.0	449.0	441.9	420.6	432.4	445.4	459.6
50°	1241.7	1095.2	799.8	538.7	457.2	411.1	404.1	389.9	405.2	418.2	431.2
52.5°	1181.5	998.3	766.8	493.8	424.1	379.2	376.9	369.8	384.0	395.8	407.6
55°	1129.5	897.9	713.6	454.9	394.6	352.1	354.4	350.9	362.7	372.2	382.8
57.5°	1082.2	810.5	646.3	424.1	362.7	328.4	335.5	330.8	336.7	342.6	355.6
60°	1025.5	721.9	565.9	389.9	324.9	304.8	313.1	300.1	298.9	301.3	304.8
62.5°	941.6	602.5	482.0	347.3	291.8	278.8	282.4	257.6	238.7	238.7	242.2
65°	824.7	484.4	404.1	300.1	254.0	243.4	241.0	205.6	179.6	177.2	187.9
67.5°	688.8	398.2	335.5	252.8	211.5	204.4	206.8	180.8	154.8	152.4	164.2
70°											

REPORT NUMBER: P951981

CATALOG NUMBER: GALN-SB6A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7
2.5°	2152.6	2202.2	2249.5	2325.1	2403.1	2479.9	2557.9	2633.5	2660.6	2680.7	2725.6
5°	1904.5	1997.8	2106.5	2256.6	2417.3	2582.7	2750.4	2904.0	2973.7	3021.0	3127.3
7.5°	1648.1	1769.8	1925.8	2151.4	2403.1	2666.5	2930.0	3172.2	3284.4	3375.4	3537.3
10°	1394.1	1526.4	1723.7	1981.3	2321.6	2699.6	3063.5	3396.7	3542.0	3656.6	3876.4
12.5°	1170.8	1294.9	1501.6	1786.4	2194.0	2673.6	3140.3	3540.8	3712.1	3840.9	4081.9
15°	1013.7	1101.1	1284.2	1591.4	2042.7	2589.8	3145.0	3609.3	3797.2	3931.9	4141.0
17.5°	926.3	955.8	1075.1	1392.9	1875.0	2479.9	3101.3	3633.0	3833.8	3959.1	4104.4
20°	879.0	883.7	916.8	1135.4	1659.9	2377.1	3060.0	3656.6	3868.1	3973.2	4016.9
22.5°	841.2	841.2	849.5	928.6	1382.3	2254.2	3047.0	3698.0	3915.3	3980.3	3890.5
25°	806.9	806.9	809.3	830.6	1095.2	2066.4	3038.7	3761.8	3980.3	3998.0	3751.1
27.5°	771.5	772.7	772.7	784.5	882.5	1811.2	3003.3	3844.5	4058.3	4021.7	3617.6
30°	736.0	738.4	738.4	746.7	780.9	1512.3	2933.6	3943.7	4159.9	4052.4	3485.3
32.5°	700.6	703.0	703.0	710.1	734.9	1207.4	2846.1	4034.7	4262.7	4065.4	3362.4
35°	664.0	667.5	665.2	674.6	700.6	960.5	2735.1	4125.6	4373.7	4106.7	3302.2
37.5°	627.4	629.7	628.5	638.0	667.5	829.4	2606.3	4194.2	4525.0	4198.9	3374.2
40°	590.7	589.5	589.5	600.2	632.1	791.6	2444.4	4302.9	4742.4	4360.8	3688.5
42.5°	552.9	552.9	550.6	562.4	601.4	763.2	2289.7	4497.8	5059.0	4618.3	4246.2
45°	518.7	517.5	512.8	523.4	571.8	713.6	2235.3	4861.7	5526.9	5035.4	4920.8
47.5°	485.6	484.4	472.6	482.0	536.4	668.7	2438.5	5457.1	6175.5	5648.5	5552.8
50°	456.0	457.2	434.8	443.0	500.9	634.4	2879.2	6229.8	7036.8	6474.4	6151.8
52.5°	428.9	428.9	399.3	404.1	457.2	603.7	3298.6	7067.5	8173.3	7626.3	6850.1
55°	401.7	399.3	366.3	368.6	413.5	560.0	3361.2	7885.0	9723.4	9359.5	7804.7
57.5°	371.0	366.3	335.5	335.5	373.3	528.1	2913.5	8513.6	11646.8	11906.7	9181.1
60°	333.2	329.6	309.5	303.6	341.4	556.5	2055.7	8586.8	12887.3	15293.9	11816.9
62.5°	284.7	289.5	278.8	270.6	310.7	577.7	1218.1	7997.3	12587.2	16371.4	14973.8
65°	224.5	243.4	241.0	235.1	341.4	486.8	719.5	6865.4	11666.9	15501.9	14329.9
67.5°	191.4	204.4									

REPORT NUMBER: P951981

CATALOG NUMBER: GALN-SB6A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7	2374.7
2.5°	2749.2	2785.9	2788.2	2788.2	2756.3	2755.2	2690.2	2683.1
5°	3237.2	3260.8	3266.7	3254.9	3191.1	3143.9	3017.4	2990.3
7.5°	3683.8	3731.0	3731.0	3702.7	3598.7	3501.8	3318.7	3250.2
10°	4040.6	4094.9	4083.1	4025.2	3894.1	3760.6	3538.5	3448.7
12.5°	4214.3	4269.8	4239.1	4172.9	4045.3	3904.7	3670.8	3569.2
15°	4210.7	4195.3	4163.5	4155.2	4093.7	3987.4	3768.8	3657.8
17.5°	4060.7	3930.7	3905.9	3988.6	4066.6	4040.6	3853.9	3749.9
20°	3823.2	3596.4	3573.9	3732.2	3954.3	4067.8	3933.1	3837.4
22.5°	3572.7	3328.2	3276.2	3451.0	3785.4	4076.0	4033.5	3937.8
25°	3335.2	3089.5	3037.5	3200.6	3597.5	4061.8	4142.2	4060.7
27.5°	3136.8	2899.3	2850.9	3013.9	3416.8	4021.7	4250.9	4193.0
30°	2983.2	2763.4	2728.0	2885.1	3260.8	3972.1	4389.1	4357.2
32.5°	2893.4	2732.7	2745.7	2874.5	3176.9	3917.7	4521.4	4536.8
35°	2982.0	2989.1	3102.5	3155.7	3254.9	3909.4	4701.0	4761.3
37.5°	3422.7	3668.4	3903.5	3859.8	3636.5	4005.1	4969.2	5081.4
40°	4172.9	4677.4	5059.0	4892.4	4330.0	4298.1	5355.5	5523.3
42.5°	5089.7	5945.1	6573.6	6127.0	5224.4	4810.9	5907.3	6121.1
45°	6057.3	7508.2	8498.2	7569.6	6177.8	5529.2	6742.6	6910.3
47.5°	7076.9	9407.9	10688.6	9169.3	7061.6	6346.8	7881.5	7920.5
50°	8192.2	11490.8	12921.6	10767.8	7914.6	7283.7	9273.2	9228.4
52.5°	9254.3	13632.8	15107.3	12373.4	8663.6	8446.2	10888.3	10796.1
55°	10268.0	15773.6	17306.0	13916.4	9370.1	9982.1	12807.0	12249.3
57.5°	11443.6	17698.2	19572.0	15466.4	10357.8	11976.4	14952.5	13092.9
60°	13181.5	19885.1	22134.6	17590.7	12236.3	14072.3	15721.6	12932.2
62.5°	15400.3	21895.9	23997.7	19672.4	14123.1	14466.9	14588.6	11694.0
65°	15831.5	22405.1	24102.9	20228.9	13879.7	12271.8	11910.3	9399.7
67.5°	14687.9	21484.8	22633.1	19192.8	12277.7	9483.5	8937.7	6819.4
70°	13404.8	19730.3	20071.8	17431.2	10798.5	6975.3	6036.1	4376.1
72.5°	12089.8	17389.8	16683.3	15138.0	9490.6	5079.1	4353.7	3110.8
75°	10528.0	14312.2	13141.3	12577.8	7857.9	3986.2	3149.8	2146.7
77.5°	8430.9	10074.3	9761.2	9749.4	5904.9	2912.3	2101.8	1345.7
80°	5947.4	6538.2	6378.7	7342.7	3961.4	2112.4	1265.3	749.0
82.5°	2879.2	3615.3	3711.0	4372.6	1927.0	1242.9	291.8	163.0
8								