

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: P955549

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955549
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-SB8C-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38180 lumens
Efficiency: N/A
Efficacy: 95.5 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): 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

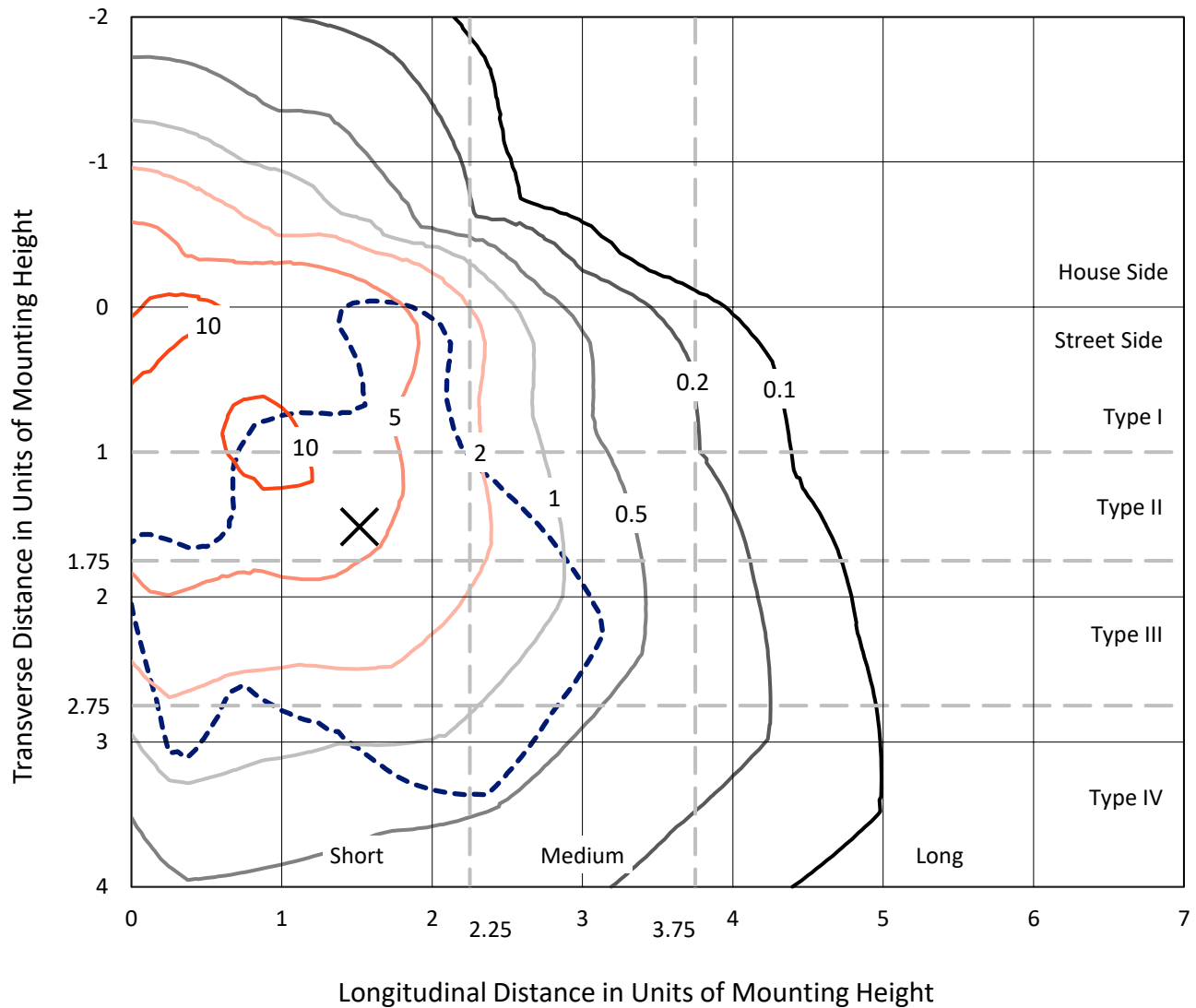


REPORT NUMBER: P955549

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

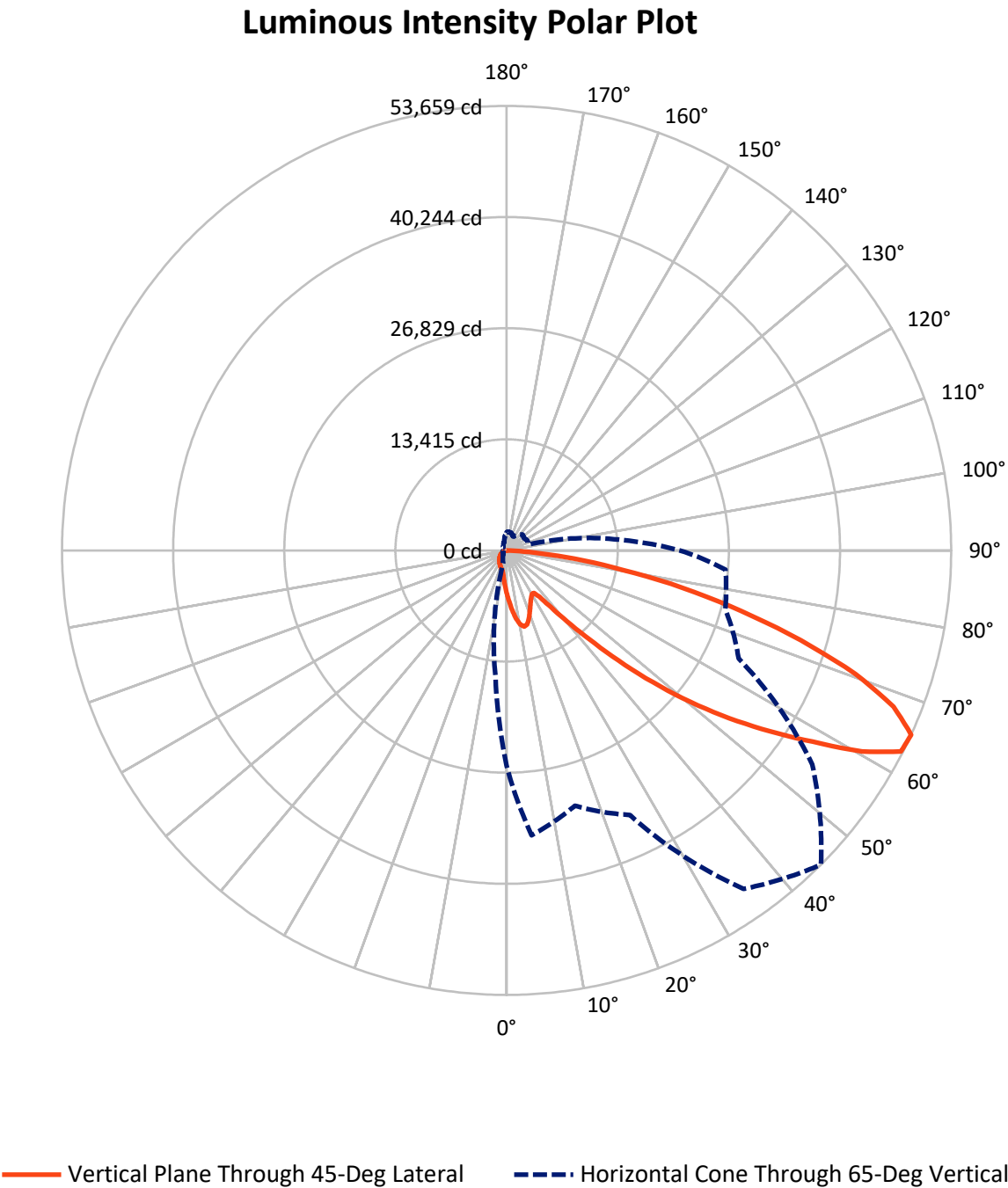
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
Type IV - Short - N/A

REPORT NUMBER: P955549
CATALOG NUMBER: GALN-SB8C-722-U-SLL-HSS



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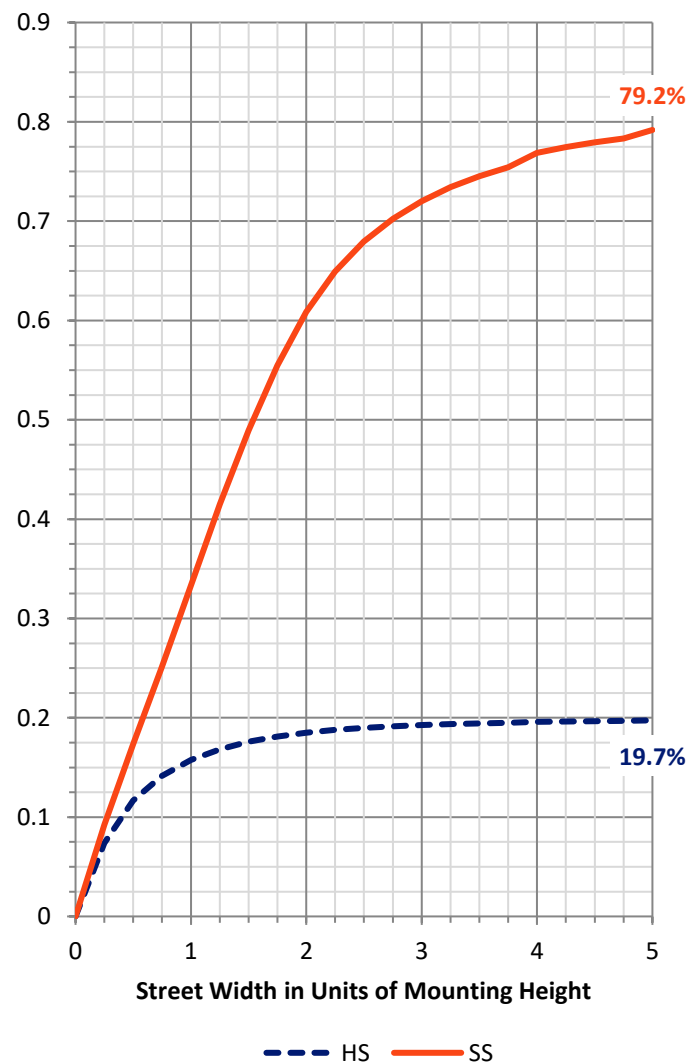
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7589.0	0.0	7589.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	30591.0	0.0	30591.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	38180.0	0.0	38180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.5	1.4
10°-20°	1560.3	4.1
20°-30°	2298.6	6.0
30°-40°	2953.1	7.7
40°-50°	4776.1	12.5
50°-60°	8375.3	21.9
60°-70°	10479.7	27.4
70°-80°	6123.9	16.0
80°-90°	1092.6	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°	38180.0	100.0
0°-180°	38180.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955549

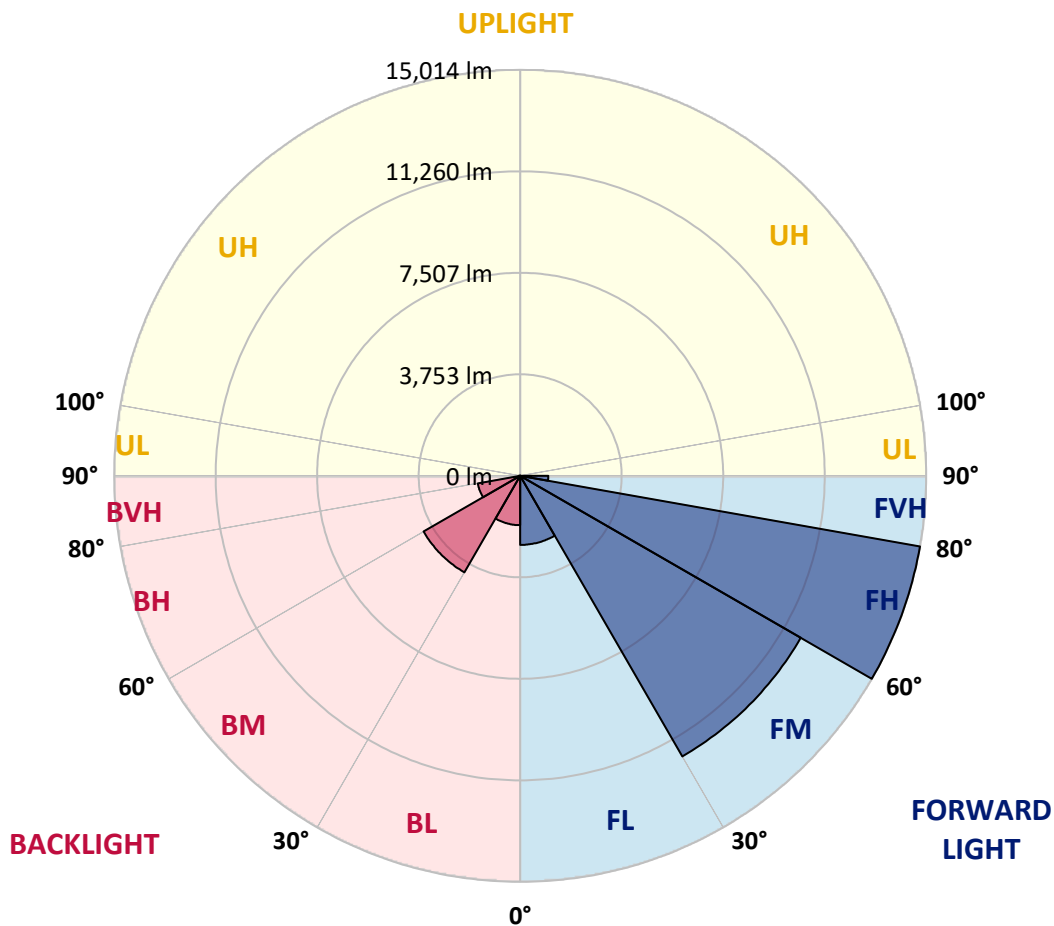
CATALOG NUMBER: GALN-SB8C-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2554.7	6.7			
FM	(30°-60°)	11981.3	31.4			
FH	(60°-80°)	15013.6	39.3			G5
FVH	(80°-90°)	1041.4	2.7			G5
BL	(0°-30°)	1824.7	4.8	B3/2500		
BM	(30°-60°)	4123.1	10.8	B3/5000		
BH	(60°-80°)	1590.0	4.2	B3/2500		G3/2500
BVH	(80°-90°)	51.2	0.1			G1/100
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: P955549

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7
2.5°	5923.2	5967.9	6067.9	6120.5	6202.0	6207.3	6207.3	6136.3	6133.6	5989.0	5973.2
5°	6620.2	6725.4	6962.1	7206.8	7259.4	7272.5	7246.2	7104.2	6999.0	6717.5	6657.0
7.5°	7312.0	7514.5	7874.8	8201.0	8306.2	8306.2	8243.1	8011.6	7795.9	7388.2	7235.7
10°	7885.3	8140.5	8629.7	8995.3	9116.3	9090.0	8961.1	8669.1	8371.9	7877.5	7677.6
12.5°	8264.1	8550.8	9087.4	9381.9	9505.6	9437.2	9289.9	9005.8	8692.8	8172.0	7945.8
15°	8453.5	8753.3	9218.9	9374.0	9339.9	9268.8	9250.4	9113.7	8876.9	8390.3	8143.1
17.5°	8535.0	8813.8	9137.3	9040.0	8750.7	8695.5	8879.6	9053.2	8995.3	8579.7	8348.3
20°	8611.3	8845.4	8942.7	8511.3	8006.3	7956.4	8308.8	8803.3	9055.8	8755.9	8542.9
22.5°	8716.5	8861.2	8661.3	7953.7	7409.3	7293.6	7682.8	8427.2	9074.2	8979.5	8766.5
25°	8861.2	8900.6	8350.9	7425.1	6878.0	6762.3	7125.2	8009.0	9042.6	9221.5	9040.0
27.5°	9034.7	8953.2	8053.7	6983.2	6454.5	6346.7	6709.6	7606.5	8953.2	9463.5	9334.6
30°	9260.9	9021.6	7759.1	6641.3	6152.0	6073.1	6423.0	7259.4	8842.7	9771.2	9700.2
32.5°	9489.8	9050.5	7485.6	6441.4	6083.7	6112.6	6399.3	7072.6	8721.8	10065.8	10100.0
35°	9737.0	9142.6	7351.4	6638.6	6654.4	6906.9	7025.3	7246.2	8703.3	10465.6	10599.7
37.5°	10073.7	9347.7	7511.9	7619.7	8166.8	8690.2	8592.9	8095.8	8916.4	11062.6	11312.5
40°	10557.6	9708.1	8211.5	9289.9	10413.0	11262.5	10891.7	9639.7	9568.7	11922.7	12296.2
42.5°	11262.5	10281.5	9453.0	11330.9	13235.2	14634.5	13640.2	11630.8	10710.2	13151.0	13627.1
45°	12304.1	11209.9	10954.8	13485.1	16714.9	18919.1	16851.7	13753.3	12309.4	15010.6	15384.1
47.5°	13748.1	12575.0	12362.0	15754.9	20944.3	23795.4	20413.0	15720.7	14129.5	17546.1	17632.9
50°	15665.5	14413.5	13695.5	18237.8	25581.4	28766.5	23971.7	17619.7	16215.2	20644.5	20544.5
52.5°	18195.7	16978.0	15249.9	20602.4	30349.9	33632.4	27546.1	19287.3	18803.3	24240.0	24034.8
55°	21646.6	20836.5	17375.1	22859.1	35115.8	38527.2	30981.2	20860.1	22222.6	28511.4	27269.9
57.5°	25928.5	26507.2	20439.3	25476.1	39400.4	43571.9	34432.0	23059.0	26662.4	33287.9	29147.9
60°	28690.3	34048.0	26307.3	29345.2	44268.9	49276.9	39161.1	27241.0	31328.3	35000.1	28790.2
62.5°	28022.2	36446.7	33335.2	34284.7	48745.6	53424.7	43795.5	31441.4	32206.8	32477.7	26033.8
65°	25973.3	34510.9	31901.7	35244.7	49879.2	53658.8	45034.3	30899.6	27319.9	26515.1	20925.9
67.5°	23153.7	32214.7	28495.6	32698.7	47830.2	50386.8	42727.7	27333.1	21112.6	19897.5	15181.5
70°	20110.5	29674.0	26259.9	29842.3	43924.4	44684.5	38806.0	24040.1	15528.7	13437.7	9742.3
72.5°	17222.6	27028.0	24729.2	26914.9	38714.0	37141.1	33700.8	21128.4	11307.2	9692.3	6925.3
75°	14268.9	23124.7	22548.7	23437.7	31862.3	29255.7	28001.1	17493.5	8874.3	7012.1	4779.1
77.5°	11010.0	18069.5	19395.1	18769.1	22427.7	21730.7	21704.4	13145.8	6483.5	4679.1	2995.8
80°	7535.5	12593.4	15152.6	13240.4	14555.5	14200.5	16346.7	8819.1	4702.8	2816.9	1667.5
82.5°	4429.3	7667.0	10547.1	6409.8	8048.4	8261.5	9734.4	4289.9	2767.0	649.7	363.0
85°	1796.4	3027.4	4124.2	2509.2	3882.2	3274.6	3695.4	1204.6	770.6	15.8	0.0
87.5°	452.4	967.9	678.6	281.4	449.8	412.9	326.1	147.3	31.6	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

REPORT NUMBER: P955549

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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7
2.5°	5870.6	5810.1	5660.2	5510.3	5389.3	5226.2	5118.4	4989.5	4865.9	4755.4	4734.4
5°	6491.3	6291.4	6017.9	5768.0	5512.9	5265.7	5021.1	4763.3	4526.6	4381.9	4289.9
7.5°	6996.3	6643.9	6280.9	5962.7	5654.9	5365.6	5042.1	4729.1	4358.2	4161.0	3982.1
10°	7372.5	6909.5	6433.5	6067.9	5757.5	5476.1	5202.5	4886.9	4439.8	4192.5	3924.3
12.5°	7619.7	7070.0	6512.4	6094.2	5747.0	5528.7	5407.7	5284.1	4839.6	4550.3	4161.0
15°	7790.7	7183.1	6567.6	6033.7	5607.6	5447.2	5568.1	5710.2	5426.1	5092.1	4584.4
17.5°	7977.4	7330.4	6591.3	5870.6	5336.7	5268.3	5581.3	5910.1	5896.9	5565.5	5068.4
20°	8174.7	7459.3	6575.5	5607.6	5007.9	5068.4	5468.2	5849.6	6010.0	5831.2	5389.3
22.5°	8377.2	7582.9	6515.0	5265.7	4700.2	4889.5	5289.3	5623.4	5812.7	5757.5	5420.8
25°	8632.3	7756.5	6425.6	4897.4	4445.0	4708.1	5081.6	5352.5	5484.0	5481.3	5249.9
27.5°	8937.4	7987.9	6378.2	4600.2	4263.6	4502.9	4834.3	5076.3	5168.3	5168.3	4984.2
30°	9292.5	8261.5	6325.6	4405.6	4158.4	4289.9	4547.6	4784.3	4876.4	4876.4	4721.2
32.5°	9687.0	8524.5	6199.4	4287.2	4079.4	4082.1	4245.1	4460.8	4571.3	4587.1	4476.6
35°	10160.5	8805.9	5923.2	4192.5	3987.4	3879.5	3958.5	4137.3	4268.8	4303.0	4234.6
37.5°	10781.2	9150.5	5528.7	4053.1	3845.4	3666.5	3684.9	3821.7	3966.3	4019.0	3974.2
40°	11615.0	9555.5	5118.4	3853.2	3645.5	3432.4	3424.5	3524.5	3666.5	3724.4	3700.7
42.5°	12717.0	10042.1	4726.5	3661.2	3403.5	3185.2	3172.0	3250.9	3374.6	3435.0	3424.5
45°	14126.8	10639.2	4389.8	3511.3	3166.8	2951.1	2945.8	3011.6	3119.4	3182.5	3169.4
47.5°	16086.3	11236.2	4161.0	3432.4	2980.0	2759.1	2769.6	2827.5	2924.8	2969.5	2951.1
50°	18640.2	11417.7	4045.3	3432.4	2880.1	2588.1	2640.7	2688.1	2761.7	2788.0	2764.3
52.5°	21091.6	10818.0	3940.0	3453.5	2893.2	2443.5	2556.6	2590.8	2653.9	2664.4	2630.2
55°	22293.6	9300.4	3795.4	3458.7	2974.8	2319.8	2488.2	2551.3	2575.0	2572.3	2514.5
57.5°	21880.7	7519.8	3550.8	3437.7	3030.0	2240.9	2404.0	2525.0	2540.8	2517.1	2409.3
60°	20431.4	5536.6	3364.0	3282.5	3009.0	2217.3	2275.1	2467.1	2490.8	2459.2	2283.0
62.5°	18001.1	3842.7	3219.4	2940.6	2916.9	2209.4	2072.6	2340.9	2398.7	2354.0	2096.3
65°	14171.5	2714.4	2772.2	2577.6	2717.0	2167.3	1862.2	2188.3	2267.2	2198.8	1835.9
67.5°	9589.7	1959.5	2246.2	2335.6	2393.5	2072.6	1709.6	2014.7	2119.9	2030.5	1533.4
70°	5178.9	1375.6	1483.4	1967.4	2033.1	1909.5	1572.9	1838.5	1959.5	1862.2	1249.3
72.5°	3058.9	989.0	1038.9	1580.8	1693.9	1680.7	1420.3	1633.4	1780.6	1664.9	1015.3
75°	1686.0	668.1	741.7	1146.8	1375.6	1296.7	1220.4	1383.5	1533.4	1420.3	783.8
77.5°	754.9	399.8	515.5	752.2	1081.0	889.0	944.2	1078.4	1217.8	1099.4	523.4
80°	292.0	223.6	341.9	410.3	786.4	491.8	607.6	794.3	894.3	799.6	318.3
82.5°	36.8	99.9	147.3	160.4	457.7	260.4	352.4	499.7	491.8	426.1	160.4
85°	0.0	18.4	21.0	10.5	197.3	94.7	115.7	163.1	152.6	115.7	13.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	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

REPORT NUMBER: P955549

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

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7
2.5°	4605.5	4510.8	4463.5	4424.0	4460.8	4481.9	4481.9	4571.3	4623.9	4644.9	4792.2
5°	4058.4	3882.2	3763.8	3692.8	3716.5	3742.8	3771.7	3884.8	3961.1	4011.1	4239.9
7.5°	3627.1	3358.8	3193.1	3106.3	3119.4	3137.8	3161.5	3272.0	3348.2	3414.0	3669.1
10°	3414.0	3035.3	2816.9	2711.7	2693.3	2682.8	2674.9	2740.7	2798.5	2851.1	3103.6
12.5°	3424.5	2895.9	2630.2	2501.3	2446.1	2383.0	2333.0	2343.5	2380.3	2446.1	2606.5
15°	3558.7	2851.1	2532.9	2372.4	2280.4	2206.7	2146.2	2133.1	2146.2	2156.8	2256.7
17.5°	3740.1	2845.9	2448.7	2248.8	2154.1	2093.6	2038.4	2020.0	2022.6	2035.8	2062.1
20°	3884.8	2830.1	2354.0	2130.5	2046.3	1993.7	1938.5	1920.0	1925.3	1927.9	1956.9
22.5°	3961.1	2806.4	2248.8	2012.1	1941.1	1888.5	1838.5	1835.9	1835.9	1851.7	1872.7
25°	3961.1	2756.5	2154.1	1899.0	1835.9	1788.5	1728.0	1738.6	1743.8	1764.9	1796.4
27.5°	3866.4	2661.8	2077.9	1801.7	1735.9	1688.6	1633.4	1646.5	1654.4	1678.1	1717.5
30°	3745.4	2548.7	1991.1	1709.6	1633.4	1599.2	1551.8	1557.1	1567.6	1593.9	1638.6
32.5°	3616.5	2414.5	1920.0	1617.6	1541.3	1515.0	1462.4	1470.3	1480.8	1509.7	1559.7
35°	3474.5	2256.7	1835.9	1533.4	1457.1	1436.1	1375.6	1380.9	1396.6	1428.2	1478.2
37.5°	3324.6	2127.8	1751.7	1451.9	1373.0	1351.9	1288.8	1294.1	1312.5	1349.3	1396.6
40°	3177.3	2001.6	1662.3	1365.1	1286.2	1267.8	1199.4	1204.6	1225.7	1265.1	1315.1
42.5°	3016.8	1904.3	1546.6	1275.6	1191.5	1173.1	1109.9	1117.8	1141.5	1181.0	1230.9
45°	2824.8	1841.1	1417.7	1191.5	1096.8	1078.4	1020.5	1036.3	1062.6	1102.1	1154.7
47.5°	2627.6	1814.8	1309.8	1102.1	999.5	983.7	936.4	962.7	991.6	1023.1	1081.0
50°	2438.2	1780.6	1199.4	1017.9	915.3	899.5	868.0	902.2	931.1	960.0	1015.3
52.5°	2222.5	1707.0	1099.4	944.2	844.3	839.0	823.3	854.8	881.1	907.4	954.8
55°	1999.0	1588.6	1012.6	878.5	783.8	789.1	781.2	807.5	828.5	852.2	894.3
57.5°	1804.3	1438.7	944.2	807.5	731.2	747.0	736.5	749.6	762.8	791.7	825.9
60°	1607.1	1259.9	868.0	723.3	678.6	697.0	668.1	665.4	670.7	678.6	741.7
62.5°	1341.4	1073.1	773.3	649.7	620.7	628.6	573.4	531.3	531.3	539.2	633.9
65°	1078.4	899.5	668.1	565.5	541.8	536.6	457.7	399.8	394.5	418.2	499.7
67.5°	886.4	747.0	562.9	470.8	455.0	460.3	402.4	344.6	339.3	365.6	426.1
70°	733.8	602.3	449.8	363.0	378.7	402.4	344.6	289.3	281.4	305.1	363.0
72.5°	583.9	470.8	344.6	268.3	313.0	341.9	281.4	228.8	223.6	244.6	299.8
75°	428.7	336.7	234.1	194.6	242.0	268.3	205.2	163.1	155.2	173.6	228.8
77.5°	265.7	189.4	147.3	115.7	165.7	178.9	107.8	94.7	92.1	105.2	144.7
80°	123.6	81.5	71.0	39.5	60.5	71.0	44.7	50.0	52.6	63.1	89.4
82.5°	34.2	13.2	2.6	0.0	0.0	21.0	10.5	21.0	26.3	39.5	57.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	13.2	23.7	42.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	21.0
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: P955549

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

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7
2.5°	4902.7	5007.9	5176.2	5349.8	5520.8	5694.4	5862.7	5923.2
5°	4447.7	4689.7	5023.7	5381.4	5749.6	6123.1	6465.0	6620.2
7.5°	3940.0	4287.2	4789.6	5349.8	5936.4	6522.9	7062.1	7312.0
10°	3398.2	3837.5	4410.9	5168.3	6010.0	6820.1	7561.8	7885.3
12.5°	2882.7	3343.0	3976.9	4884.3	5952.1	6991.1	7882.7	8264.1
15°	2451.3	2859.0	3542.9	4547.6	5765.4	7001.6	8035.3	8453.5
17.5°	2127.8	2393.5	3101.0	4174.1	5520.8	6904.3	8087.9	8535.0
20°	1967.4	2041.0	2527.6	3695.4	5292.0	6812.2	8140.5	8611.3
22.5°	1872.7	1891.1	2067.3	3077.3	5018.4	6783.3	8232.5	8716.5
25°	1796.4	1801.7	1849.0	2438.2	4600.2	6764.9	8374.6	8861.2
27.5°	1720.2	1720.2	1746.5	1964.8	4032.1	6686.0	8558.7	9034.7
30°	1643.9	1643.9	1662.3	1738.6	3366.7	6530.8	8779.6	9260.9
32.5°	1565.0	1565.0	1580.8	1636.0	2688.1	6336.2	8982.1	9489.8
35°	1486.1	1480.8	1501.8	1559.7	2138.4	6088.9	9184.7	9737.0
37.5°	1401.9	1399.3	1420.3	1486.1	1846.4	5802.2	9337.2	10073.7
40°	1312.5	1312.5	1336.1	1407.2	1762.2	5441.9	9579.2	10557.6
42.5°	1230.9	1225.7	1252.0	1338.8	1699.1	5097.3	10013.2	11262.5
45°	1152.0	1141.5	1165.2	1273.0	1588.6	4976.3	10823.3	12304.1
47.5°	1078.4	1052.1	1073.1	1194.1	1488.7	5428.7	12148.9	13748.1
50°	1017.9	967.9	986.3	1115.2	1412.4	6409.8	13869.1	15665.5
52.5°	954.8	889.0	899.5	1017.9	1344.0	7343.5	15733.9	18195.7
55°	889.0	815.4	820.6	920.6	1246.7	7482.9	17554.0	21646.6
57.5°	815.4	747.0	747.0	831.1	1175.7	6486.1	18953.2	25928.5
60°	733.8	689.1	676.0	760.1	1238.8	4576.6	19116.3	28690.3
62.5°	644.4	620.7	602.3	691.7	1286.2	2711.7	17803.8	28022.2
65°	541.8	536.6	523.4	760.1	1083.6	1601.8	15284.1	25973.3
67.5°	455.0	447.1	447.1	797.0	823.3	1007.4	11941.1	23153.7
70°	391.9	363.0	363.0	602.3	499.7	697.0	8337.7	20110.5
72.5°	328.8	297.2	276.2	481.3	373.5	510.3	5210.4	17222.6
75°	263.0	239.3	213.0	318.3	278.8	386.6	3027.4	14268.9
77.5°	189.4	178.9	149.9	234.1	202.5	278.8	1801.7	11010.0
80°	97.3	99.9	94.7	134.1	136.8	189.4	1025.8	7535.5
82.5°	57.9	44.7	50.0	65.8	78.9	107.8	386.6	4429.3
85°	36.8	23.7	23.7	31.6	39.5	42.1	118.4	1796.4
87.5°	18.4	7.9	10.5	15.8	13.2	10.5	5.3	452.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)