

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: P957344

Luminaire Tested: **GALN-SB9D-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58979 lumens
Efficiency: N/A
Efficacy: 89.6 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): 658
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



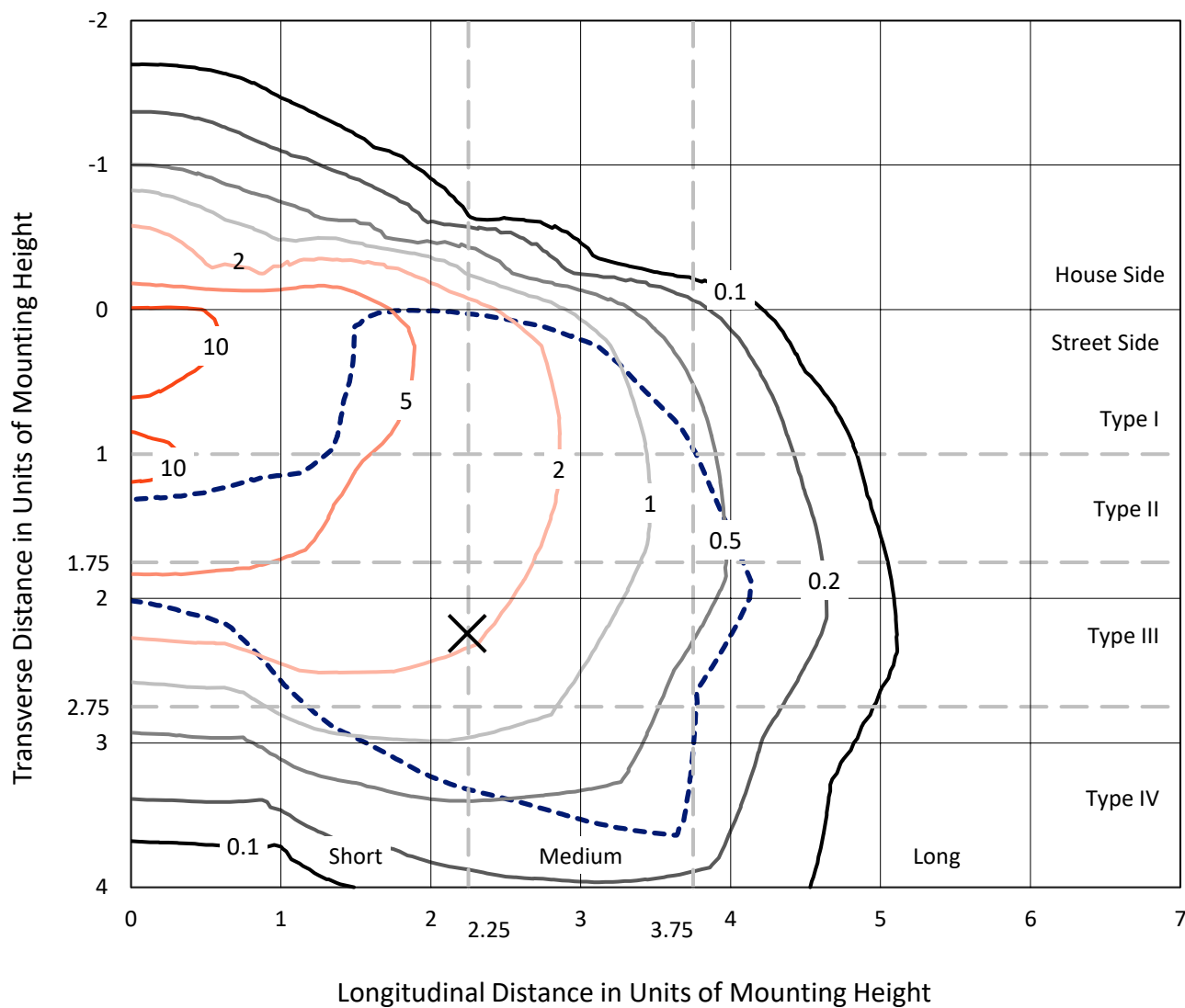
REPORT NUMBER: P957344

CATALOG NUMBER: GALN-SB9D-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

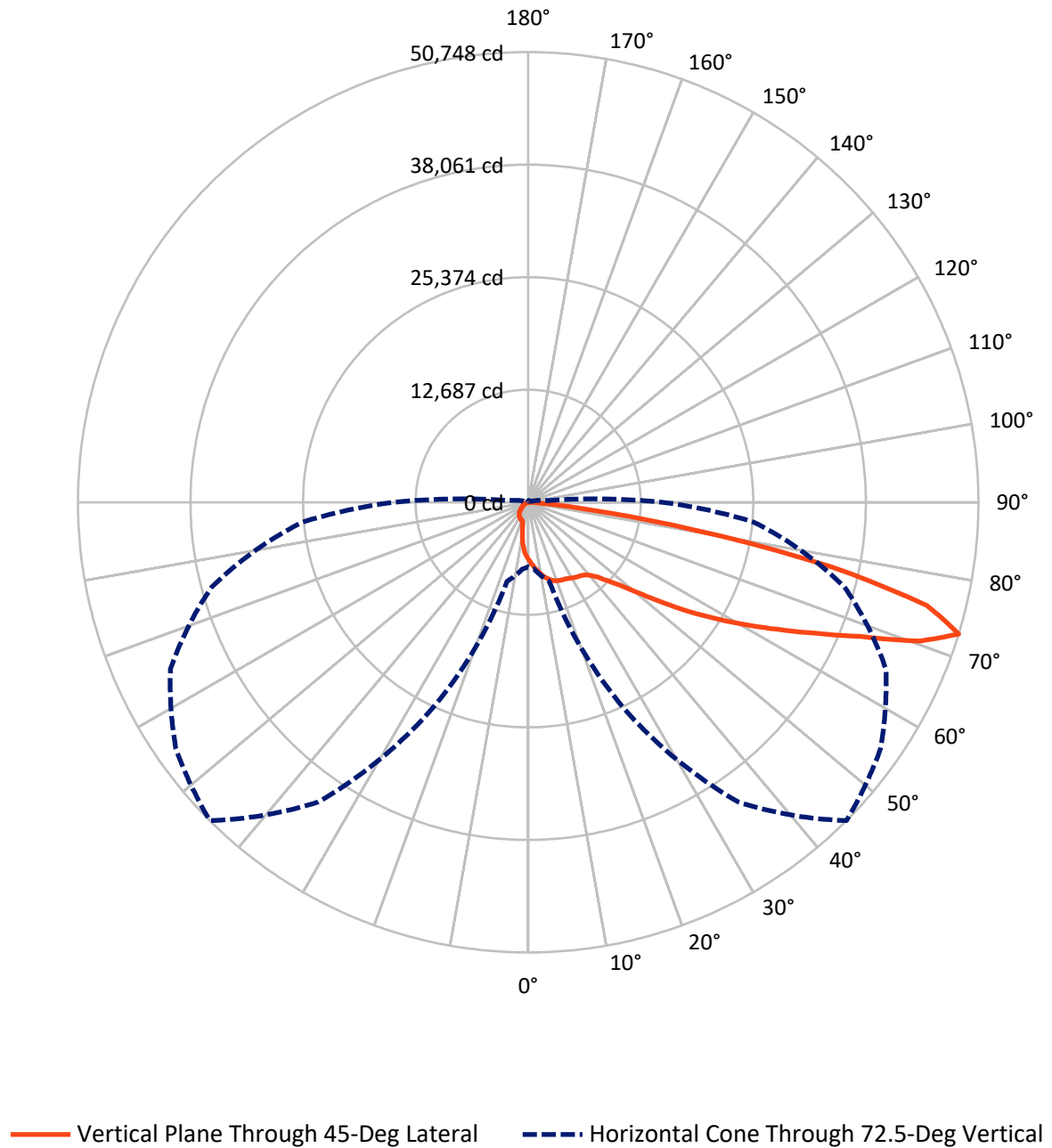
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
Type IV - Short - N/A

REPORT NUMBER: P957344
CATALOG NUMBER: GALN-SB9D-722-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P957344

CATALOG NUMBER: GALN-SB9D-722-U-T4W-HSS

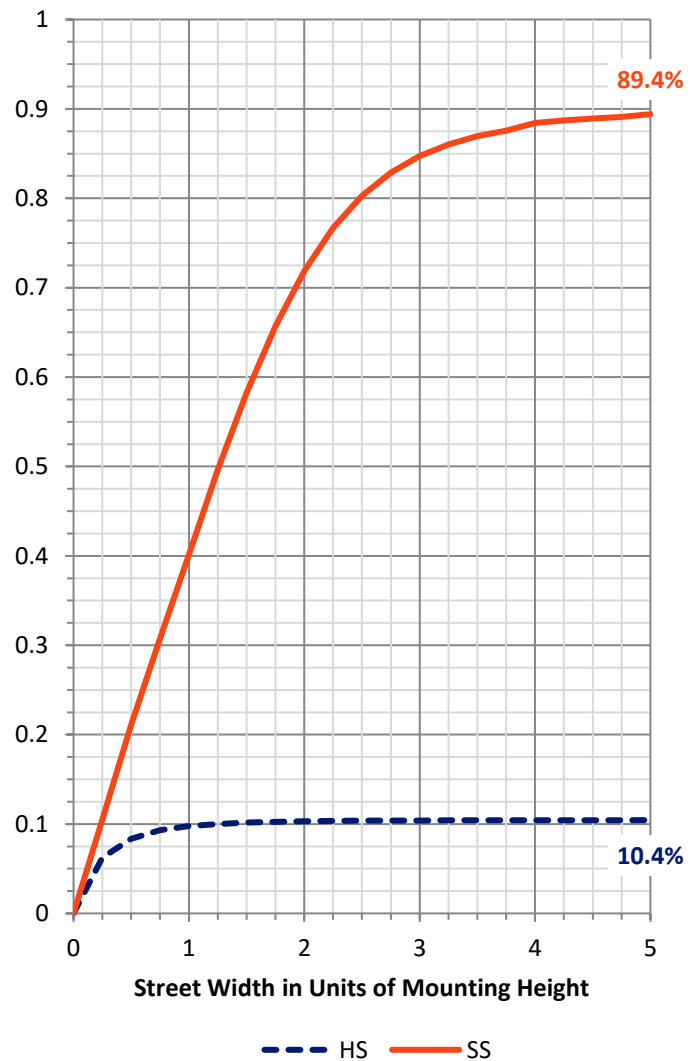
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6197.1	0.0	6197.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	52781.9	0.0	52781.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	58979.0	0.0	58979.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.8	1.0
10°-20°	1779.2	3.0
20°-30°	2921.8	5.0
30°-40°	4143.7	7.0
40°-50°	6849.1	11.6
50°-60°	12303.7	20.9
60°-70°	17084.3	29.0
70°-80°	12392.4	21.0
80°-90°	895.9	1.5
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°	58979.0	100.0
0°-180°	58979.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957344

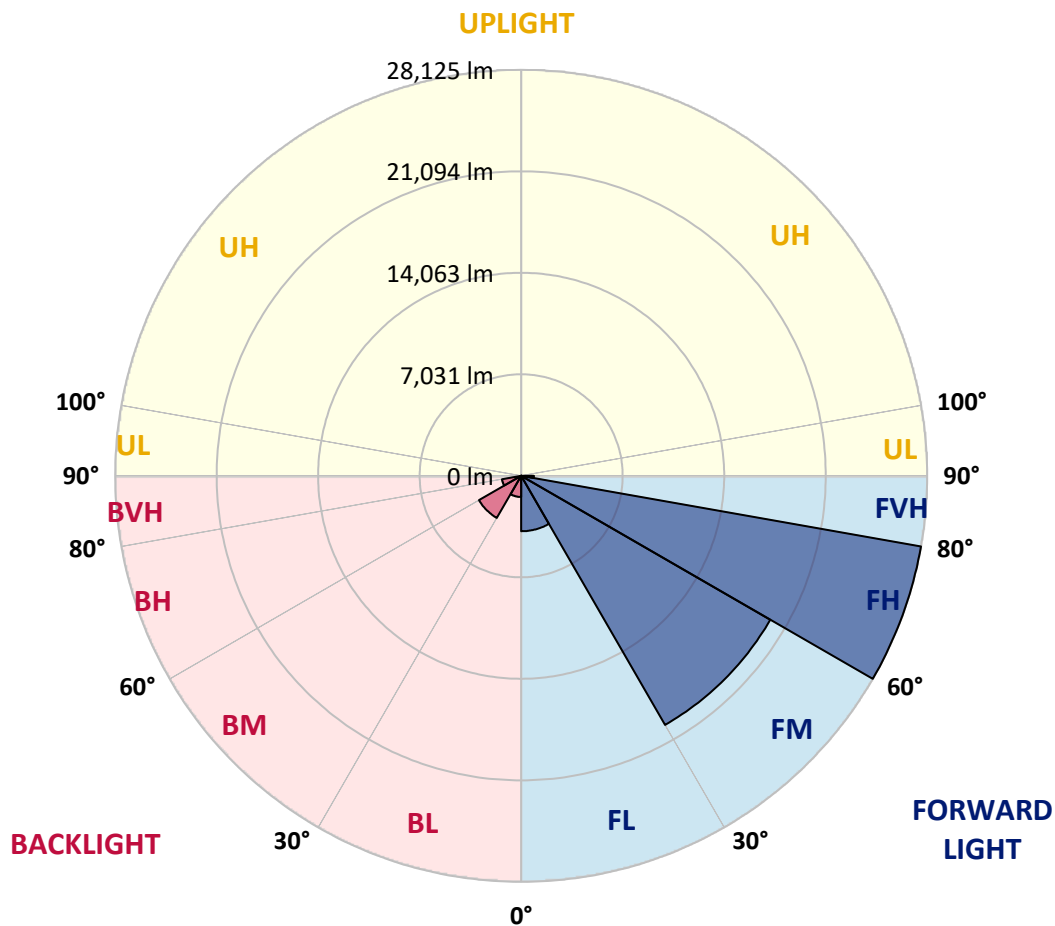
CATALOG NUMBER: GALN-SB9D-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3841.9	6.5			
FM	(30°-60°)	19926.2	33.8			
FH	(60°-80°)	28125.4	47.7			G5
FVH	(80°-90°)	888.4	1.5			G5
BL	(0°-30°)	1467.8	2.5	B3/2500		
BM	(30°-60°)	3370.3	5.7	B3/5000		
BH	(60°-80°)	1351.4	2.3	B3/2500		G3/2500
BVH	(80°-90°)	7.5	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: P957344

CATALOG NUMBER: GALN-SB9D-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3
2.5°	7057.1	7069.2	7061.1	7012.8	6932.3	6888.0	6863.8	6783.3	6731.0	6638.4	6541.8
5°	7705.2	7753.5	7725.3	7628.7	7475.8	7367.1	7334.9	7169.8	7020.8	6847.7	6646.5
7.5°	8393.6	8417.8	8365.4	8240.6	8035.3	7850.1	7822.0	7592.5	7355.0	7089.3	6815.5
10°	8989.4	9017.6	8937.1	8755.9	8522.4	8293.0	8252.7	7999.1	7717.3	7391.2	7041.0
12.5°	9488.6	9516.8	9412.1	9194.7	8937.1	8699.6	8659.3	8393.6	8083.6	7721.3	7286.5
15°	9867.0	9919.4	9778.5	9545.0	9267.2	9029.7	9009.6	8747.9	8446.0	8043.4	7580.4
17.5°	10088.4	10140.8	10007.9	9726.1	9488.6	9287.3	9263.2	9045.8	8764.0	8377.5	7866.2
20°	10124.7	10173.0	10032.1	9786.5	9589.3	9428.2	9416.2	9259.1	9053.8	8683.5	8176.2
22.5°	10016.0	10076.4	9947.5	9750.3	9613.4	9528.9	9512.8	9424.2	9307.5	8993.5	8466.1
25°	9903.3	9951.6	9855.0	9681.8	9609.4	9601.3	9613.4	9597.3	9573.2	9307.5	8804.2
27.5°	9895.2	9947.5	9838.9	9673.8	9633.5	9718.1	9730.2	9806.6	9826.8	9593.3	9130.3
30°	9963.6	9999.9	9895.2	9722.1	9702.0	9895.2	9899.2	10036.1	10068.3	9834.8	9452.4
32.5°	10112.6	10152.9	10048.2	9794.6	9766.4	10036.1	10048.2	10229.3	10281.7	10092.5	9790.5
35°	10462.8	10511.1	10390.4	9995.9	9895.2	10169.0	10205.2	10418.6	10523.2	10366.2	10140.8
37.5°	11336.4	11195.5	11030.5	10402.5	10189.1	10378.3	10438.7	10688.3	10873.5	10692.3	10559.5
40°	13506.3	13063.4	12548.2	11094.9	10704.4	10825.2	10873.5	11123.1	11376.7	11199.5	11135.1
42.5°	16763.1	16239.7	15410.4	12689.1	11481.3	11541.7	11578.0	11795.3	12153.6	12012.7	12028.8
45°	19665.6	19476.4	18631.0	15410.4	12934.6	12636.7	12681.0	12793.7	13321.1	13268.8	13373.4
47.5°	21895.9	21787.2	21135.0	18534.4	15390.3	13977.3	14102.1	14154.4	14915.3	15100.5	15382.3
50°	23610.8	23570.6	22986.8	21312.1	18598.8	15953.9	15998.2	15885.5	17024.8	17483.7	18019.1
52.5°	25229.2	25366.0	24935.3	23892.6	22024.7	18542.5	18534.4	18003.0	19540.8	20233.3	21147.1
55°	26690.5	26738.8	26783.1	26525.4	25470.7	21489.3	21412.8	20543.2	22459.5	23176.0	24166.4
57.5°	28063.3	28083.4	28477.9	29005.3	29057.6	24653.5	24512.6	23469.9	25647.8	26159.1	26767.0
60°	28985.2	29077.7	29911.1	31376.4	32016.5	27918.3	27841.9	26779.1	28892.6	29130.1	29017.4
62.5°	27656.7	28220.3	30321.7	33228.3	34810.4	31537.5	31501.2	30502.9	32306.4	32113.1	31147.0
65°	22387.0	23341.1	27036.7	34480.3	37551.9	35579.3	35631.6	34568.8	35812.8	35184.8	32878.0
67.5°	15660.0	16666.5	21038.4	34580.9	40615.5	40325.6	40627.5	38960.9	39536.6	38127.6	33288.6
70°	10829.2	11348.5	14194.7	32415.1	43002.7	46863.4	46855.3	44355.3	43240.2	39468.1	31195.3
72.5°	7282.5	7552.2	9218.9	25716.3	41247.5	50748.2	50514.7	48477.7	44488.2	36911.8	25486.8
75°	3071.6	3268.9	4267.3	14452.3	32632.5	46428.6	45796.6	42841.7	39528.5	29065.7	15901.6
77.5°	974.2	1058.8	1682.7	5173.0	17974.8	34898.9	34230.7	26754.9	26493.2	14581.1	5813.1
80°	463.0	539.4	946.0	2077.3	7073.2	18981.3	18888.7	12137.5	11396.8	3937.2	1167.5
82.5°	201.3	237.5	523.3	1111.1	3164.2	6771.3	6908.1	4130.4	3417.8	1493.5	358.3
85°	64.4	84.5	241.5	511.3	1336.5	1682.7	1662.6	982.3	1376.8	813.2	124.8
87.5°	0.0	0.0	80.5	116.7	136.9	96.6	108.7	84.5	382.4	225.4	44.3
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: P957344

CATALOG NUMBER: GALN-SB9D-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3	6461.3
2.5°	6493.5	6429.1	6316.3	6211.7	6119.1	6026.5	5970.1	5889.6	5881.6	5881.6	5901.7
5°	6537.8	6433.1	6231.8	6018.4	5772.9	5539.4	5305.9	5080.5	5008.0	4955.7	4979.8
7.5°	6666.6	6501.5	6183.5	5776.9	5309.9	4798.7	4440.4	4053.9	3904.9	3824.4	3836.5
10°	6851.8	6626.3	6143.2	5430.7	4673.9	3977.4	3466.1	3047.5	2886.4	2818.0	2818.0
12.5°	7057.1	6779.3	6070.8	4999.9	3977.4	3144.1	2644.9	2451.7	2427.5	2427.5	2427.5
15°	7302.6	6964.5	5946.0	4492.7	3248.8	2487.9	2310.8	2318.8	2343.0	2359.1	2359.1
17.5°	7556.3	7161.7	5748.7	3925.1	2604.6	2238.3	2242.3	2254.4	2274.5	2290.6	2290.6
20°	7830.0	7359.0	5487.1	3321.2	2234.3	2165.8	2177.9	2190.0	2206.1	2214.1	2218.2
22.5°	8123.9	7544.2	5177.1	2729.4	2109.5	2105.4	2109.5	2121.6	2141.7	2141.7	2149.7
25°	8437.9	7749.5	4822.8	2298.7	2045.1	2045.1	2053.1	2061.2	2077.3	2077.3	2081.3
27.5°	8760.0	7938.7	4448.4	2073.2	1988.7	1984.7	1984.7	1996.8	2004.8	2008.8	2012.9
30°	9114.2	8160.1	4074.0	2024.9	1944.4	1924.3	1912.2	1920.3	1928.3	1932.3	1940.4
32.5°	9476.5	8373.5	3739.9	2045.1	1900.1	1863.9	1823.6	1815.6	1815.6	1831.7	1843.8
35°	9879.1	8607.0	3482.2	2113.5	1876.0	1775.3	1710.9	1674.7	1678.7	1702.9	1715.0
37.5°	10362.2	8888.8	3293.0	2173.9	1859.9	1674.7	1570.0	1525.7	1497.6	1525.7	1517.7
40°	10994.2	9303.4	3156.2	2222.2	1839.8	1558.0	1417.1	1344.6	1292.3	1308.4	1300.3
42.5°	11924.2	9955.6	3103.8	2226.2	1795.5	1421.1	1260.0	1163.4	1086.9	1091.0	1074.9
45°	13228.5	10986.2	3373.6	2173.9	1698.9	1272.1	1095.0	966.2	917.9	905.8	889.7
47.5°	15015.9	12487.8	3997.5	2065.2	1558.0	1127.2	934.0	825.3	789.0	768.9	756.8
50°	17411.2	14416.1	4690.0	1944.4	1417.1	990.3	801.1	732.7	708.5	688.4	684.4
52.5°	20189.0	16372.6	5257.6	1823.6	1276.2	869.6	716.6	676.3	656.2	640.1	636.1
55°	22737.2	17721.2	5225.4	1694.8	1139.3	772.9	656.2	632.0	607.9	591.8	583.7
57.5°	24323.4	17910.4	4307.5	1553.9	982.3	696.4	599.8	583.7	555.5	535.4	531.4
60°	25052.0	16831.5	3019.3	1368.7	825.3	624.0	539.4	531.4	495.2	467.0	458.9
62.5°	25184.9	14826.7	2012.9	1139.3	688.4	555.5	479.1	467.0	418.7	370.4	346.2
65°	24645.4	11960.4	1392.9	889.7	587.8	483.1	410.6	386.5	334.1	285.8	269.7
67.5°	22938.5	8397.6	970.2	640.1	499.2	382.4	326.1	318.0	277.8	237.5	225.4
70°	19810.6	4786.6	648.1	479.1	394.5	261.7	257.6	265.7	225.4	193.2	177.1
72.5°	15189.0	2190.0	402.6	350.2	269.7	177.1	205.3	209.3	173.1	144.9	128.8
75°	8941.1	938.0	253.6	225.4	136.9	116.7	149.0	153.0	116.7	92.6	80.5
77.5°	3043.4	354.3	161.0	132.8	68.4	64.4	96.6	96.6	64.4	36.2	28.2
80°	692.4	132.8	80.5	52.3	32.2	28.2	32.2	28.2	16.1	4.0	0.0
82.5°	197.3	52.3	32.2	20.1	12.1	12.1	4.0	0.0	0.0	0.0	0.0
85°	56.4	24.2	8.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.2	4.0	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)