

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: P941944

Luminaire Tested: **GALN-SB5D-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31008 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 364.9
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



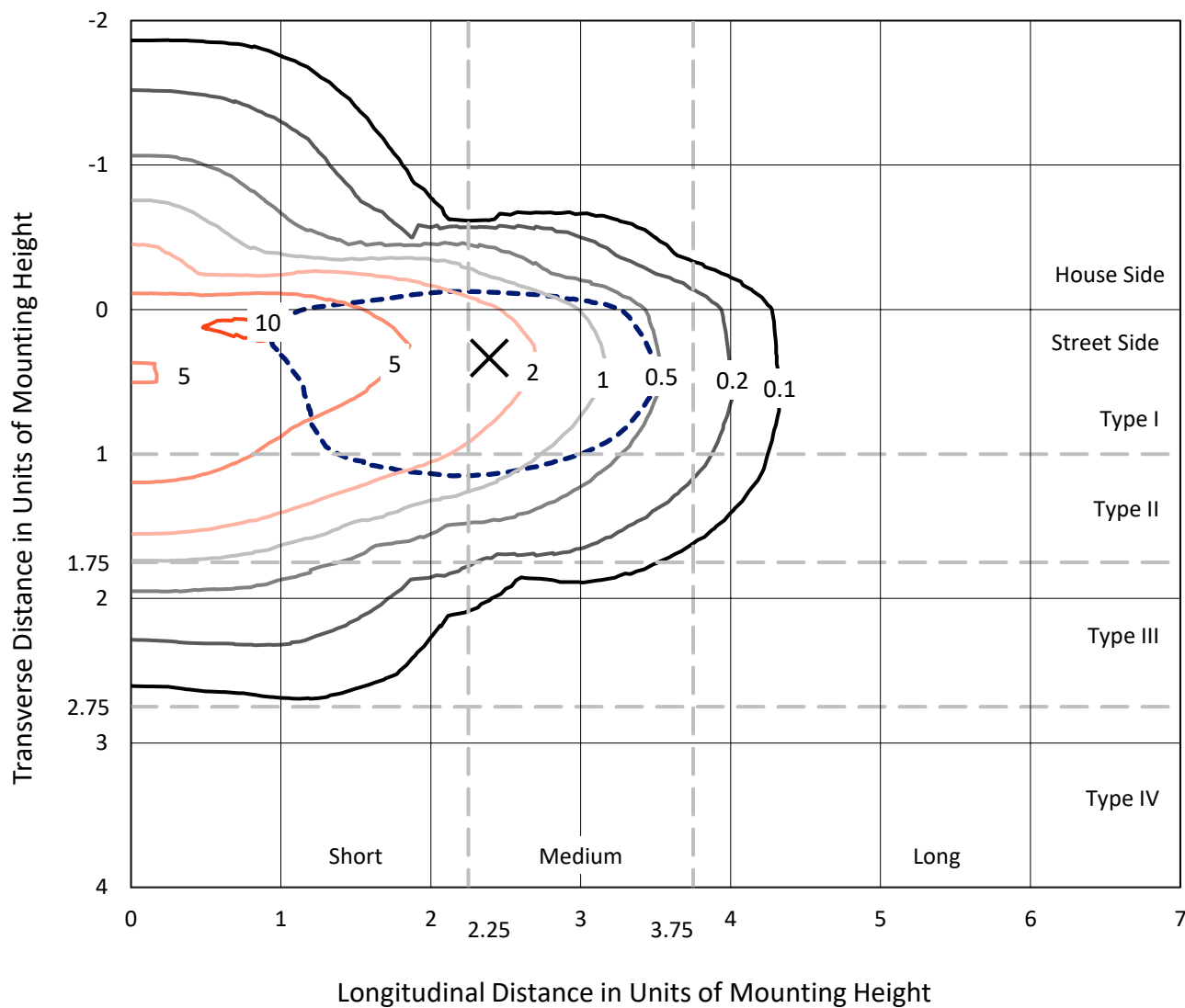
REPORT NUMBER: P941944

CATALOG NUMBER: GALN-SB5D-722-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

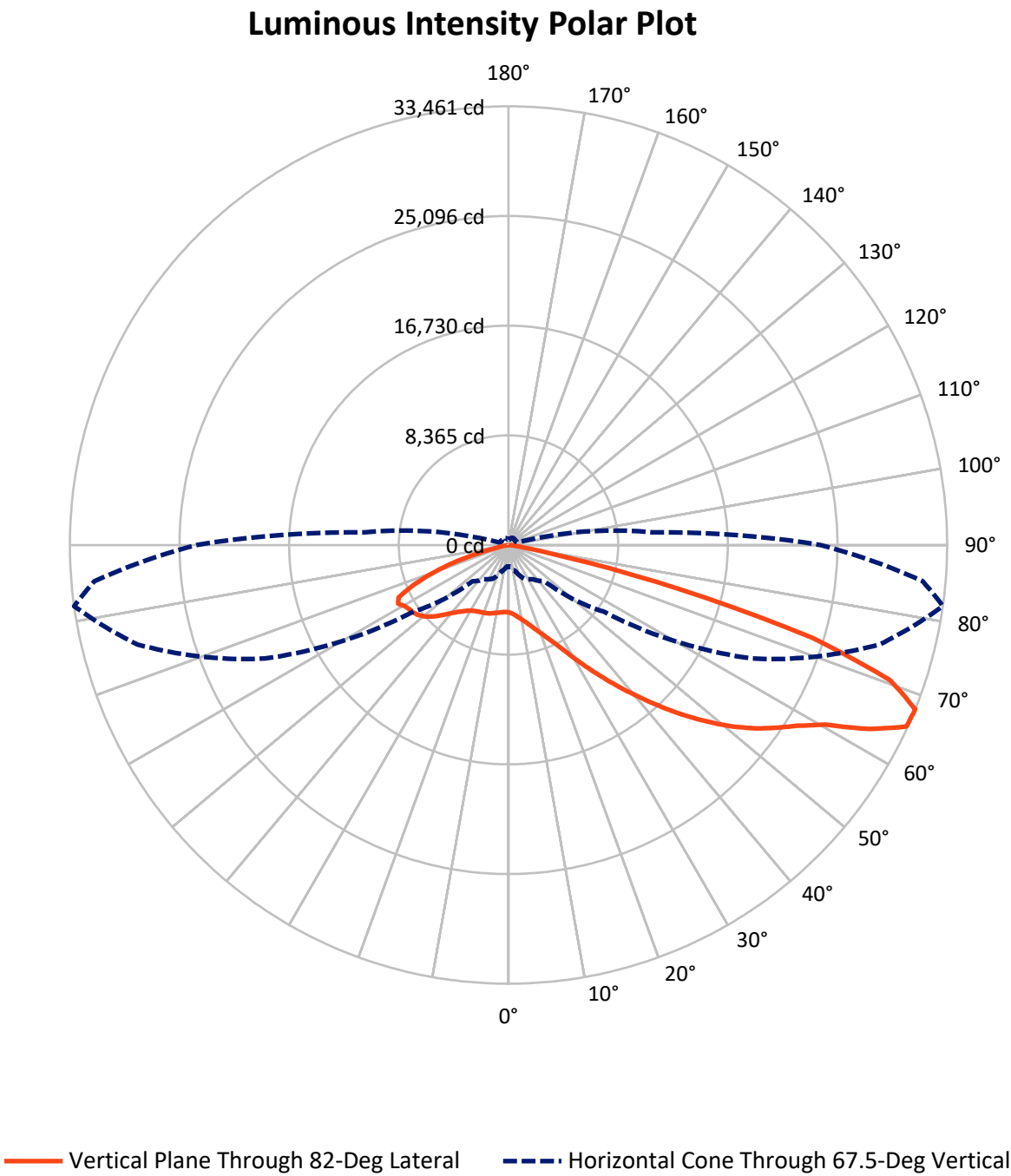
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P941944
CATALOG NUMBER: GALN-SB5D-722-U-T2-HSS



REPORT NUMBER: P941944

CATALOG NUMBER: GALN-SB5D-722-U-T2-HSS

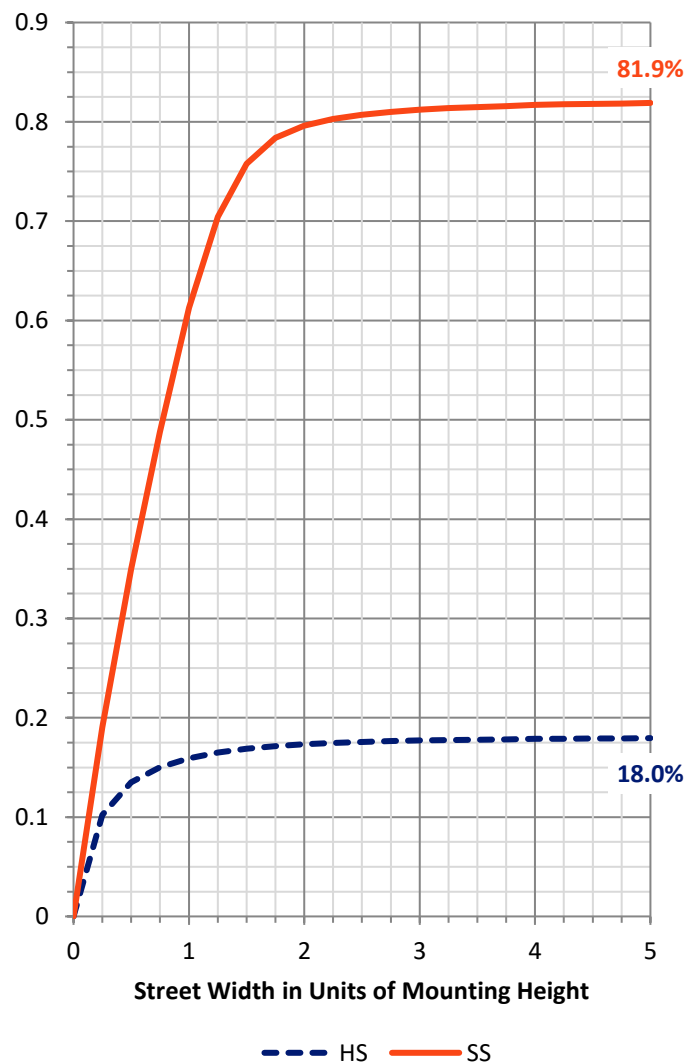
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5616.8	0.0	5616.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	25391.2	0.0	25391.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	31008.0	0.0	31008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.7	1.5
10°-20°	1189.3	3.8
20°-30°	1904.9	6.1
30°-40°	3368.4	10.9
40°-50°	5901.7	19.0
50°-60°	7871.3	25.4
60°-70°	7327.7	23.6
70°-80°	2812.4	9.1
80°-90°	174.7	0.6
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°	31008.0	100.0
0°-180°	31008.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941944

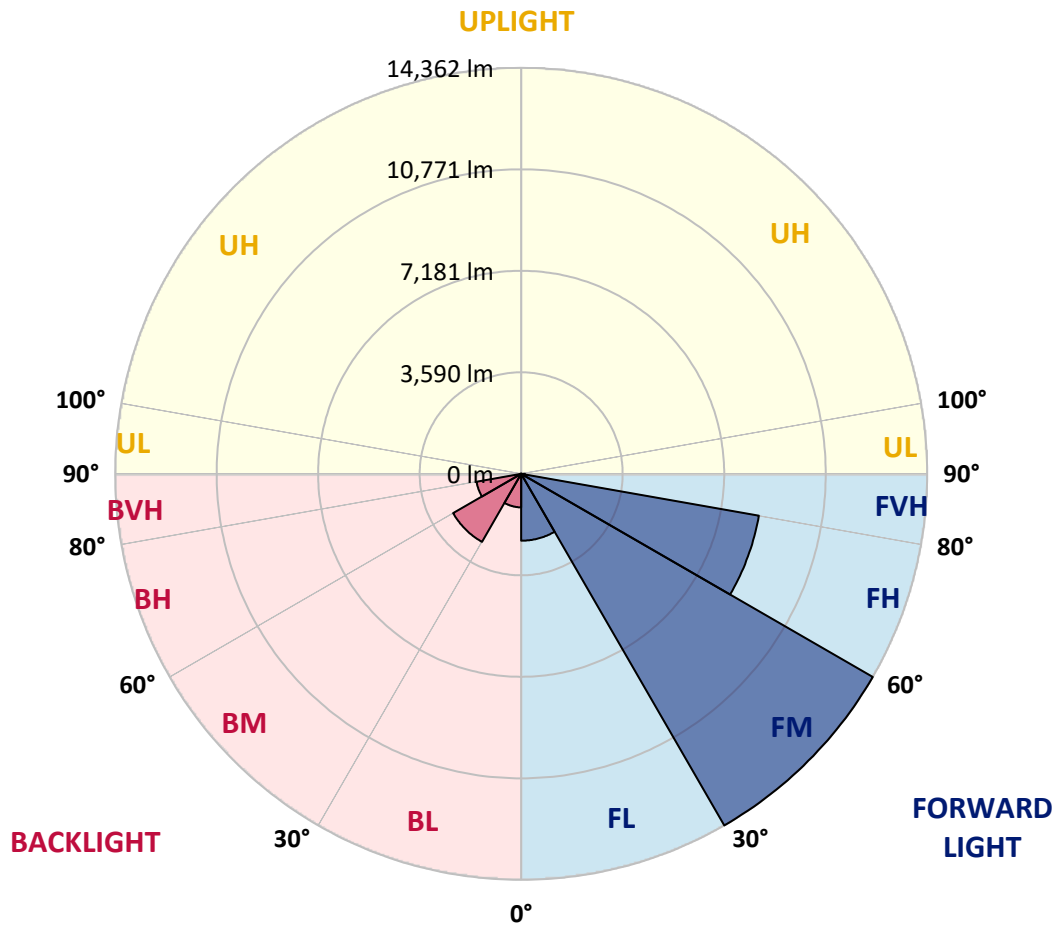
CATALOG NUMBER: GALN-SB5D-722-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2365.6	7.6			
FM	(30°-60°)	14361.6	46.3			
FH	(60°-80°)	8537.0	27.5			G4/12000
FVH	(80°-90°)	127.0	0.4			G2/225
BL	(0°-30°)	1186.3	3.8	B3/2500		
BM	(30°-60°)	2779.7	9.0	B3/5000		
BH	(60°-80°)	1603.1	5.2	B3/2500		G3/2500
BVH	(80°-90°)	47.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



REPORT NUMBER: P941944

CATALOG NUMBER: GALN-SB5D-722-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0
2.5°	5429.4	5460.7	5442.8	5433.9	5418.3	5395.9	5378.1	5322.3	5264.2	5226.3	5212.9
5°	5538.8	5570.1	5567.8	5576.8	5587.9	5594.6	5590.2	5527.7	5445.1	5380.3	5342.4
7.5°	5445.1	5480.8	5509.8	5554.5	5632.6	5715.2	5755.4	5742.0	5657.1	5567.8	5521.0
10°	5179.4	5217.3	5286.6	5391.5	5556.7	5735.3	5884.9	5954.1	5900.5	5802.3	5737.5
12.5°	4692.7	4730.7	4866.8	5094.6	5371.4	5681.7	5967.5	6152.8	6166.2	6067.9	5992.0
15°	4145.7	4183.7	4328.8	4614.6	5036.5	5534.4	6012.1	6362.6	6480.9	6396.1	6304.6
17.5°	3806.4	3839.9	3949.3	4179.2	4619.0	5239.7	5996.5	6585.9	6856.0	6789.0	6679.6
20°	3703.7	3732.7	3784.1	3944.8	4311.0	4933.8	5893.8	6795.7	7260.1	7222.1	7099.3
22.5°	3813.1	3839.9	3855.5	3927.0	4156.9	4732.9	5764.3	7010.0	7728.9	7733.4	7583.8
25°	4065.4	4092.2	4074.3	4119.0	4219.4	4670.4	5715.2	7262.3	8318.3	8367.4	8197.7
27.5°	4480.6	4482.9	4440.4	4438.2	4453.8	4764.1	5766.5	7532.4	9061.7	9153.2	8943.4
30°	5313.3	5279.9	5116.9	4940.5	4860.1	5045.4	5909.4	7851.7	9939.1	10102.1	9838.6
32.5°	6597.0	6547.9	6248.8	5826.8	5402.6	5498.6	6166.2	8215.6	10894.6	11189.3	10867.8
35°	7990.1	7976.7	7664.2	7036.8	6295.6	6143.8	6583.6	8693.3	11937.2	12406.0	12024.2
37.5°	9285.0	9278.3	9099.7	8360.7	7458.8	7043.5	7253.4	9318.4	13053.4	13732.1	13281.1
40°	10468.2	10488.3	10309.7	9648.9	8740.2	8197.7	8164.2	10090.9	14294.7	15176.5	14640.7
42.5°	11490.7	11513.0	11332.2	10843.2	10006.1	9474.7	9282.7	11037.5	15506.9	16728.1	16094.1
45°	12185.0	12323.4	12296.6	11905.9	11305.4	10753.9	10626.7	12225.2	16888.8	18373.5	17630.0
47.5°	12381.4	12508.7	12709.6	12763.2	12397.1	11854.6	12006.4	13656.2	18286.4	20021.0	19174.9
50°	11897.0	12015.3	12432.8	12988.7	13243.2	13075.7	13348.1	15189.9	19717.4	21664.2	20690.8
52.5°	10941.5	11062.0	11588.9	12468.5	13506.6	14033.5	14694.3	16701.3	21103.8	23220.2	22126.3
55°	9559.6	9686.8	10363.3	11358.9	13004.3	14428.6	15817.2	18210.5	22374.1	24620.0	23421.1
57.5°	7679.8	7773.6	8476.8	9869.9	11740.7	14035.7	16645.5	19858.1	23570.7	25995.2	24704.8
60°	5005.3	5087.9	5905.0	7458.8	9646.6	12723.0	16810.7	21695.4	25160.2	27783.4	26435.0
62.5°	3328.7	3384.5	3868.9	5009.7	6793.5	10202.5	15844.0	23162.2	27491.0	30895.5	29402.0
65°	2283.8	2339.7	2824.1	3618.9	4389.1	6748.8	13064.6	22967.9	29602.9	33366.9	31601.0
67.5°	1629.7	1676.6	2087.4	2837.5	3176.8	3920.3	8856.3	20485.4	29299.3	33460.7	31719.3
70°	1167.6	1194.4	1533.7	2210.2	2525.0	2355.3	4924.9	15667.7	25653.6	30897.8	29303.8
72.5°	817.1	826.0	1064.9	1683.3	2033.8	1719.0	2344.1	10445.9	19402.6	24251.6	22717.9
75°	553.7	564.8	716.6	1234.6	1632.0	1312.7	1241.3	5601.3	11390.2	13424.0	12033.2
77.5°	339.3	343.8	462.1	843.9	1221.2	1000.2	799.2	2373.1	4406.9	4326.6	3688.1
80°	192.0	192.0	294.7	524.6	832.7	645.2	560.4	1009.1	1395.3	1225.6	1080.5
82.5°	107.2	109.4	214.3	325.9	551.4	381.8	308.1	466.6	602.8	533.6	464.4
85°	44.6	49.1	131.7	154.0	263.4	189.8	125.0	196.5	223.2	198.7	145.1
87.5°	4.5	6.7	40.2	29.0	31.3	38.0	17.9	38.0	31.3	31.3	22.3
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: P941944

CATALOG NUMBER: GALN-SB5D-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0	5137.0
2.5°	5170.5	5137.0	5052.1	4953.9	4824.4	4761.9	4677.1	4619.0	4569.9	4574.4	4529.7
5°	5270.9	5186.1	4996.3	4759.7	4465.0	4255.1	4031.9	3877.8	3752.8	3726.0	3665.8
7.5°	5409.3	5275.4	4942.7	4516.3	4018.5	3641.2	3304.1	3087.5	2933.5	2884.4	2835.3
10°	5587.9	5393.7	4873.5	4210.5	3493.9	3013.9	2652.2	2482.5	2377.6	2341.9	2315.1
12.5°	5795.6	5529.9	4782.0	3837.7	2953.6	2491.5	2261.5	2176.7	2143.2	2132.0	2125.3
15°	6056.8	5699.6	4643.6	3395.6	2495.9	2172.2	2074.0	2062.8	2067.3	2062.8	2060.6
17.5°	6367.1	5884.9	4418.1	2940.2	2187.8	2009.2	1973.5	1982.5	1993.6	1991.4	1986.9
20°	6706.4	6067.9	4130.1	2536.1	1978.0	1893.2	1873.1	1882.0	1890.9	1886.5	1884.2
22.5°	7092.6	6264.4	3810.9	2221.3	1837.3	1786.0	1763.7	1765.9	1765.9	1757.0	1752.5
25°	7554.8	6480.9	3476.0	1998.1	1730.2	1690.0	1663.2	1654.3	1640.9	1614.1	1609.6
27.5°	8106.2	6710.9	3154.5	1841.8	1645.4	1607.4	1576.1	1553.8	1520.3	1475.7	1471.2
30°	8726.8	6989.9	2882.2	1743.6	1578.4	1540.4	1504.7	1471.2	1422.1	1366.3	1361.8
32.5°	9456.9	7289.1	2683.5	1678.8	1518.1	1477.9	1435.5	1395.3	1341.7	1285.9	1288.2
35°	10327.5	7650.8	2567.4	1634.2	1471.2	1417.6	1370.8	1326.1	1285.9	1236.8	1232.3
37.5°	11271.9	8034.8	2531.7	1611.9	1440.0	1357.4	1303.8	1272.5	1268.1	1239.0	1236.8
40°	12305.5	8490.2	2558.4	1598.5	1406.5	1299.3	1241.3	1234.6	1245.7	1194.4	1196.6
42.5°	13399.4	9030.5	2603.1	1582.8	1359.6	1241.3	1185.5	1185.5	1176.5	1105.1	1105.1
45°	14582.7	9653.3	2647.7	1544.9	1303.8	1183.2	1140.8	1125.2	1087.2	1018.0	1015.8
47.5°	15774.8	10287.3	2681.2	1475.7	1236.8	1134.1	1096.2	1060.4	1004.6	942.1	939.9
50°	16906.7	10856.6	2645.5	1373.0	1160.9	1087.2	1047.0	997.9	937.6	895.2	888.5
52.5°	17918.0	11350.0	2493.7	1252.4	1080.5	1038.1	1002.4	951.0	901.9	857.3	852.8
55°	18797.6	11749.6	2225.8	1138.6	1009.1	995.7	960.0	895.2	828.3	790.3	785.8
57.5°	19641.5	12053.3	1890.9	1044.8	944.3	948.8	895.2	837.2	774.7	734.5	730.0
60°	20764.5	12459.6	1551.6	957.7	875.1	888.5	830.5	788.1	709.9	658.6	651.9
62.5°	22559.4	13091.4	1232.3	850.6	794.8	799.2	774.7	723.3	629.6	569.3	564.8
65°	23983.7	12859.2	971.1	734.5	703.2	709.9	709.9	654.1	553.7	484.5	477.8
67.5°	23823.0	11010.7	774.7	620.6	616.2	620.6	636.3	589.4	491.1	435.3	426.4
70°	21945.4	8758.1	620.6	515.7	535.8	524.6	569.3	538.0	442.0	386.2	379.5
72.5°	17906.9	6309.0	473.3	426.4	410.8	428.6	513.5	484.5	368.4	305.9	299.2
75°	10463.7	3366.6	352.7	337.1	296.9	357.2	455.4	413.0	281.3	225.5	218.8
77.5°	3406.8	1174.3	259.0	247.8	221.0	288.0	388.5	348.3	229.9	178.6	171.9
80°	913.1	355.0	176.4	163.0	142.9	214.3	308.1	276.8	165.2	116.1	113.9
82.5°	366.1	149.6	102.7	91.5	78.1	147.3	243.3	223.2	122.8	73.7	73.7
85°	118.3	49.1	38.0	29.0	35.7	91.5	145.1	151.8	87.1	38.0	29.0
87.5°	15.6	6.7	6.7	8.9	6.7	15.6	44.6	42.4	24.6	4.5	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)