

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: P955905

Luminaire Tested: **GALN-SB8D-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8D-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66434 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 584.9
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

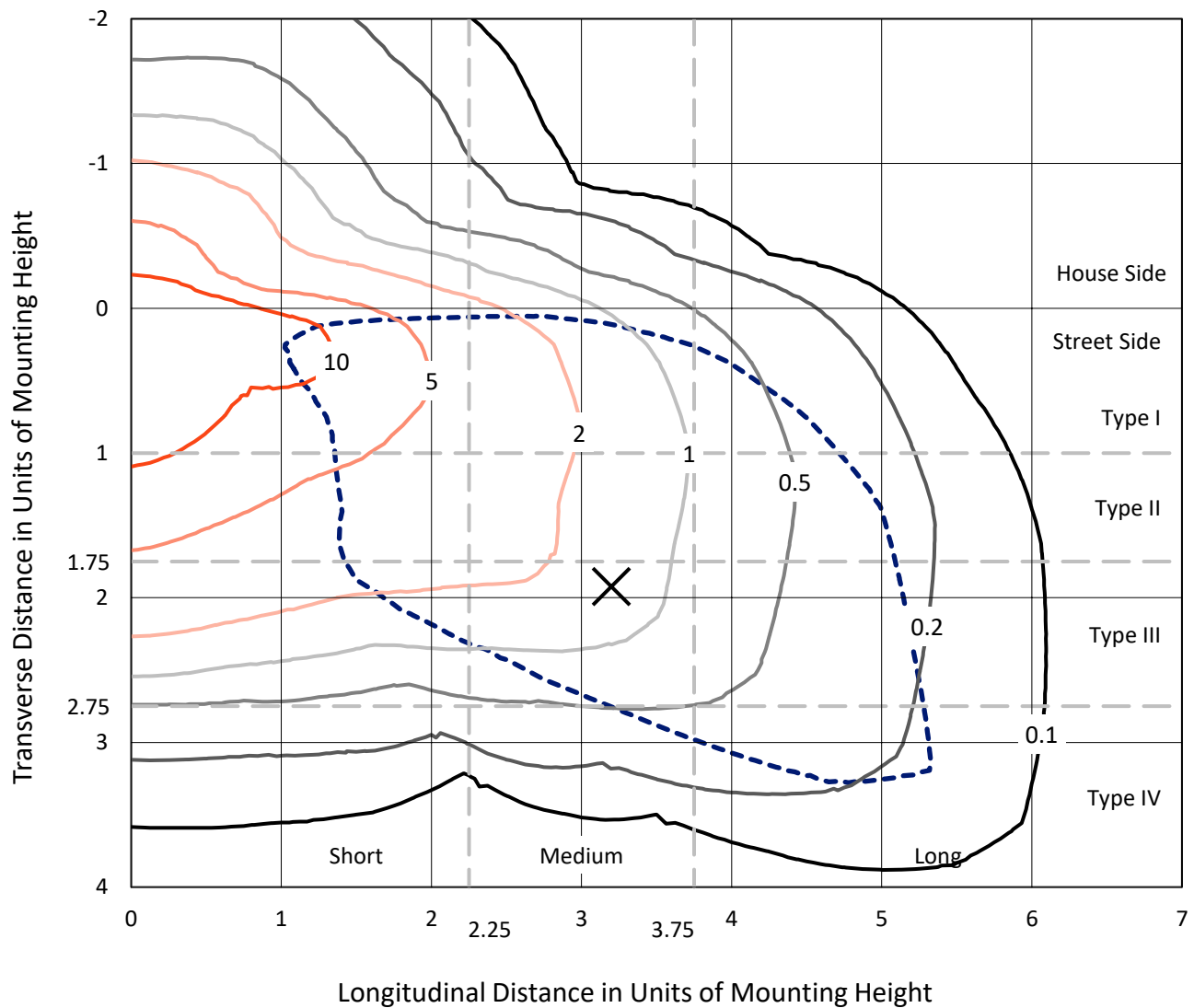


REPORT NUMBER: P955905

CATALOG NUMBER: GALN-SB8D-722-U-SL3

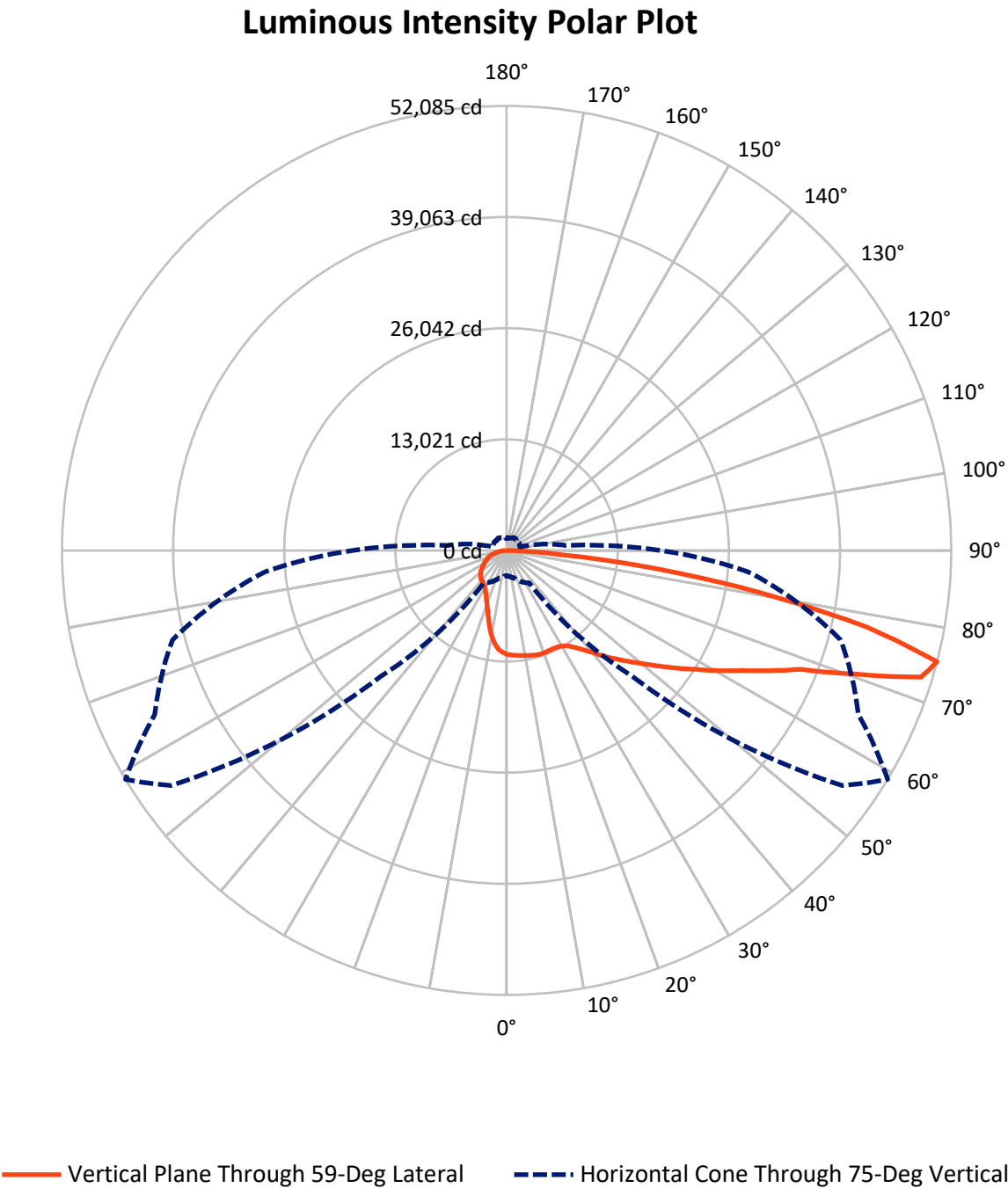
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.5 fc
Type IV - Medium - N/A

REPORT NUMBER: P955905
CATALOG NUMBER: GALN-SB8D-722-U-SL3



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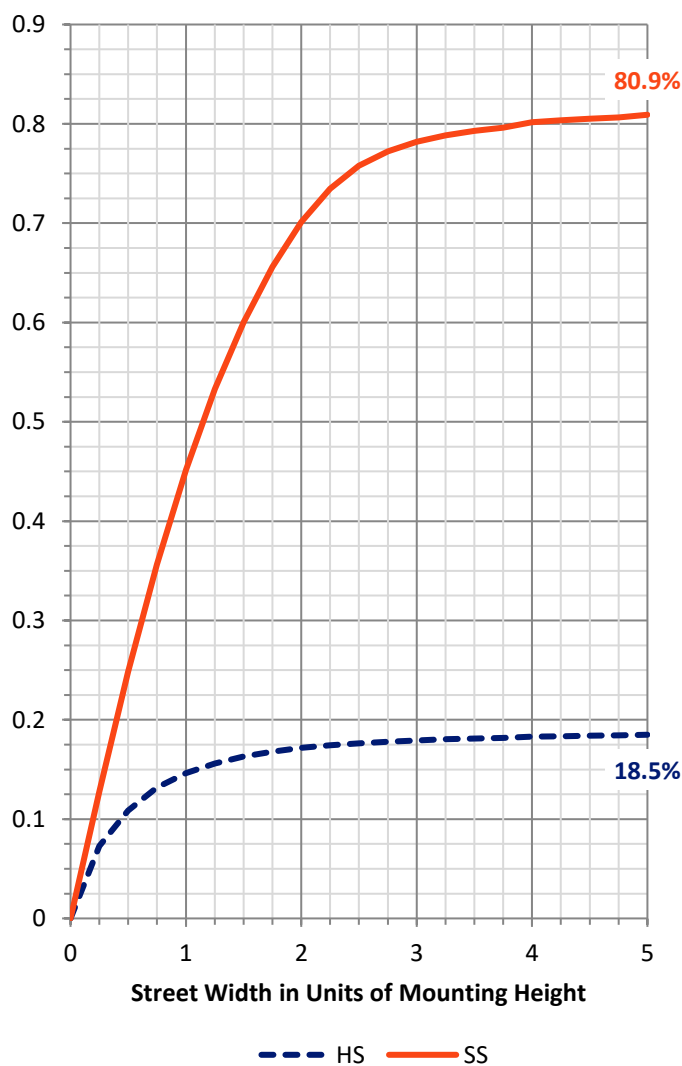
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12460.2	0.0	12460.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	53973.9	0.0	53973.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	66434.0	0.0	66434.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1093.4	1.6
10°-20°	2794.7	4.2
20°-30°	4245.0	6.4
30°-40°	6310.0	9.5
40°-50°	9384.1	14.1
50°-60°	12737.8	19.2
60°-70°	15550.8	23.4
70°-80°	12204.1	18.4
80°-90°	2114.1	3.2
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°	66434.0	100.0
0°-180°	66434.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955905

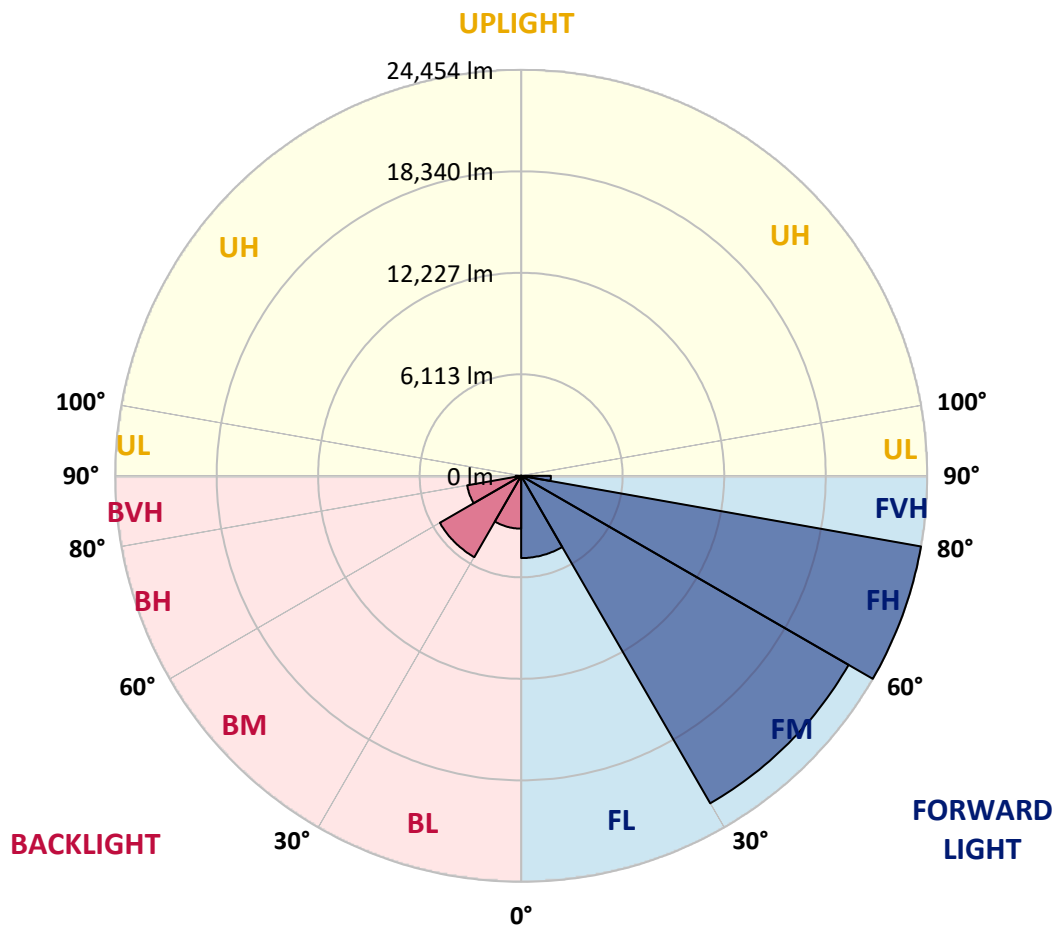
CATALOG NUMBER: GALN-SB8D-722-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4953.4	7.5			
FM	(30°-60°)	22776.3	34.3			
FH	(60°-80°)	24453.7	36.8			G5
FVH	(80°-90°)	1790.4	2.7			G5
BL	(0°-30°)	3179.7	4.8	B4/5000		
BM	(30°-60°)	5655.7	8.5	B4/8500		
BH	(60°-80°)	3301.2	5.0	B4/5000		G4/5000
BVH	(80°-90°)	323.6	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



REPORT NUMBER: P955905

CATALOG NUMBER: GALN-SB8D-722-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8
2.5°	12297.5	12254.6	12297.5	12279.6	12272.4	12258.1	12261.7	12286.7	12272.4	12290.3	12229.6
5°	12215.3	12190.2	12233.1	12222.4	12268.9	12276.0	12322.5	12351.1	12368.9	12372.5	12326.0
7.5°	12079.5	12054.4	12115.2	12165.2	12265.3	12293.9	12390.4	12436.8	12461.8	12504.7	12436.8
10°	11582.7	11572.0	11722.1	11911.5	12147.4	12293.9	12440.4	12519.0	12558.3	12672.7	12594.1
12.5°	10703.5	10717.8	10914.4	11278.9	11750.7	12222.4	12497.6	12611.9	12672.7	12815.7	12779.9
15°	9863.7	9860.1	10074.5	10464.1	11125.2	11907.9	12526.2	12722.7	12826.4	13037.2	13008.6
17.5°	9377.7	9363.4	9513.5	9810.1	10424.8	11425.4	12454.7	12783.5	13005.1	13269.5	13244.5
20°	9288.3	9259.7	9338.3	9484.9	9920.9	10896.5	12268.9	12783.5	13148.0	13491.1	13476.8
22.5°	9613.5	9567.1	9534.9	9517.0	9710.0	10460.5	12058.0	12740.6	13358.9	13809.2	13784.2
25°	10267.5	10196.1	10031.7	9870.8	9813.7	10264.0	11872.2	12729.9	13673.4	14238.0	14145.1
27.5°	11325.4	11236.0	10903.7	10517.7	10171.0	10364.0	11790.0	12794.2	14020.0	14691.9	14506.1
30°	12637.0	12540.5	12122.3	11529.1	10907.2	10735.7	11893.6	12983.6	14463.2	15295.9	14931.3
32.5°	13812.7	13705.5	13348.2	12744.2	11904.3	11379.0	12222.4	13344.6	15160.1	16135.7	15571.1
35°	14856.3	14731.2	14409.6	13852.1	13126.6	12283.2	12815.7	13984.3	16150.0	17500.9	16439.5
37.5°	15878.4	15731.9	15381.6	14792.0	14284.5	13487.5	13634.1	14806.3	17465.2	19159.2	17590.3
40°	17022.0	16811.2	16385.9	15803.4	15310.2	14899.2	14709.8	15814.1	18801.8	21010.4	19026.9
42.5°	18129.9	17929.8	17422.3	16925.5	16307.3	16189.3	15957.0	16993.4	20263.5	23043.9	20485.0
45°	19323.5	19084.1	18469.4	17840.4	17450.9	17047.0	17165.0	18172.8	21696.6	25116.7	22014.6
47.5°	20442.1	20174.1	19448.6	18748.2	18533.7	17768.9	18272.8	19470.1	23186.8	27218.1	23529.9
50°	21046.1	20781.7	20177.7	19545.1	19377.2	18658.8	19473.6	20896.0	24748.6	29312.3	24984.5
52.5°	21550.0	21264.1	20474.3	20124.1	20074.0	19627.3	20953.2	22525.7	26310.3	31163.6	26389.0
55°	22086.1	21768.0	20760.2	20445.7	20674.4	20713.8	22707.9	24373.3	27961.4	32968.3	27714.8
57.5°	22704.4	22300.5	21035.4	20717.3	21260.5	21986.0	24723.6	26288.9	29583.9	34640.9	28894.2
60°	23286.9	22879.5	21564.3	21149.8	21893.1	23462.0	27035.8	28608.3	31420.9	36131.1	30009.2
62.5°	23401.3	23065.3	21986.0	21982.5	22750.8	25184.6	29773.3	30949.1	33025.5	37603.5	31009.9
65°	21421.4	21210.5	20570.8	21950.3	23980.2	27664.8	32821.8	33944.0	35066.1	38890.1	31889.0
67.5°	16303.7	16332.3	16285.8	18948.3	22986.7	31227.9	37235.4	37149.7	37585.7	40333.9	32900.4
70°	7455.0	7622.9	8716.5	13080.1	18415.8	31638.9	44533.1	43421.7	40748.5	42203.0	33776.0
72.5°	4027.7	4156.3	4603.1	6336.4	11071.6	28129.4	49986.8	50776.6	44954.9	43461.0	32814.7
75°	2955.5	3027.0	3337.9	4027.7	4649.5	20906.7	48031.9	52084.6	45480.2	40526.9	28336.7
77.5°	2212.2	2244.3	2498.1	3191.4	2380.2	11021.6	38379.1	43135.8	38933.0	33297.1	20931.8
80°	1604.6	1640.4	1829.8	2394.4	1669.0	4031.2	26353.2	30277.3	26664.1	21224.8	10431.9
82.5°	1107.9	1122.2	1204.4	1629.7	1165.1	1565.3	14952.8	17754.6	14884.9	7447.8	2816.2
85°	668.3	686.2	721.9	950.6	661.2	743.4	6454.3	6675.9	4449.4	1779.8	875.6
87.5°	275.2	293.1	321.6	400.3	260.9	207.3	1065.0	1336.6	832.7	521.8	271.6
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: P955905

CATALOG NUMBER: GALN-SB8D-722-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8	12193.8
2.5°	12211.7	12186.7	12118.8	12025.8	11940.1	11832.9	11786.4	11747.1	11711.3	11643.4	11611.3
5°	12286.7	12218.8	12036.6	11800.7	11532.7	11239.6	10953.7	10757.1	10589.2	10464.1	10360.5
7.5°	12401.1	12272.4	11940.1	11457.6	10842.9	10213.9	9645.7	9241.9	8938.1	8827.3	8634.3
10°	12519.0	12365.4	11786.4	10935.8	9874.4	8905.9	8151.8	7737.3	7494.3	7415.6	7294.1
12.5°	12658.4	12433.3	11547.0	10210.4	8791.6	7730.1	7072.6	6829.5	6704.5	6661.6	6672.3
15°	12862.1	12490.4	11186.0	9302.6	7758.7	6872.4	6447.1	6279.2	6214.8	6211.3	6225.6
17.5°	13015.8	12501.2	10624.9	8330.5	6965.3	6354.2	6004.0	5939.7	5982.5	6046.9	6071.9
20°	13187.3	12404.7	9888.7	7444.2	6407.8	5900.3	5753.8	5796.7	5900.3	5993.3	6025.4
22.5°	13308.8	12229.6	8998.8	6754.5	5925.4	5639.5	5632.3	5721.7	5778.8	5825.3	5850.3
25°	13416.1	11932.9	8055.3	6175.5	5528.7	5482.2	5560.8	5532.2	5492.9	5532.2	5557.3
27.5°	13494.7	11464.8	7211.9	5668.1	5249.9	5375.0	5328.5	5264.2	5260.6	5282.1	5317.8
30°	13469.7	10839.3	6518.6	5185.6	5053.4	5174.9	5064.1	5053.4	5042.6	5053.4	5092.7
32.5°	13469.7	10128.2	5986.1	4853.2	4928.3	4881.8	4871.1	4846.1	4803.2	4799.6	4846.1
35°	13544.7	9417.0	5528.7	4674.5	4824.6	4713.8	4721.0	4660.2	4570.9	4528.0	4570.9
37.5°	13698.4	8845.2	5074.8	4588.8	4642.4	4638.8	4610.2	4506.6	4349.3	4213.5	4260.0
40°	14070.1	8677.2	4763.9	4549.5	4556.6	4599.5	4524.4	4324.3	3966.9	3745.3	3773.9
42.5°	14652.6	8959.5	4696.0	4453.0	4499.4	4542.3	4395.8	3931.2	3677.4	3545.2	3545.2
45°	15392.4	9452.7	4842.5	4313.6	4363.6	4438.7	4002.7	3781.1	3666.7	3670.3	3688.2
47.5°	16328.7	9970.9	5114.1	4192.1	4167.1	4209.9	3741.8	3606.0	3448.7	3488.0	3588.1
50°	17411.6	10496.3	5371.4	4027.7	3949.1	3809.7	3573.8	3445.1	3245.0	3152.1	3177.1
52.5°	18583.8	11003.7	5475.1	3827.5	3713.2	3552.4	3459.4	3302.2	3059.2	2905.5	2901.9
55°	19695.2	11464.8	5360.7	3588.1	3477.3	3352.2	3337.9	3241.4	2980.6	2766.1	2766.1
57.5°	20745.9	11850.7	5074.8	3345.1	3237.9	3162.8	3259.3	3212.8	2884.1	2608.9	2594.6
60°	21635.8	12115.2	4660.2	3098.5	3023.4	2984.1	3130.7	3116.4	2748.3	2440.9	2430.2
62.5°	22343.4	12218.8	4202.8	2862.6	2844.7	2773.3	2952.0	2952.0	2576.7	2276.5	2265.8
65°	22897.3	12118.8	3738.2	2630.3	2666.1	2558.8	2734.0	2712.5	2394.4	2130.0	2115.7
67.5°	23387.0	11790.0	3223.6	2401.6	2483.8	2348.0	2505.2	2455.2	2194.3	1983.5	1969.2
70°	23605.0	11025.2	2637.5	2172.9	2272.9	2140.7	2276.5	2183.6	1969.2	1826.2	1797.6
72.5°	21853.8	9163.2	2076.4	1933.4	2019.2	1912.0	2029.9	1922.7	1726.1	1661.8	1608.2
75°	18079.9	6876.0	1597.5	1672.5	1736.9	1654.7	1733.3	1654.7	1476.0	1522.4	1390.2
77.5°	13130.1	4642.4	1222.2	1397.4	1425.9	1383.1	1451.0	1361.6	1200.8	1190.1	1136.5
80°	6529.3	2719.7	957.8	1104.3	1093.6	1065.0	1143.6	1100.7	964.9	1022.1	1011.4
82.5°	1890.5	1165.1	696.9	775.5	754.1	761.2	818.4	839.8	1258.0	1247.3	1275.8
85°	593.3	457.4	418.1	432.4	411.0	421.7	482.5	957.8	886.3	518.2	561.1
87.5°	153.7	157.2	103.6	110.8	114.4	135.8	153.7	582.5	278.8	182.3	193.0
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)