

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: P948763

Luminaire Tested: **GALN-SB3D-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25069 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 218.1
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

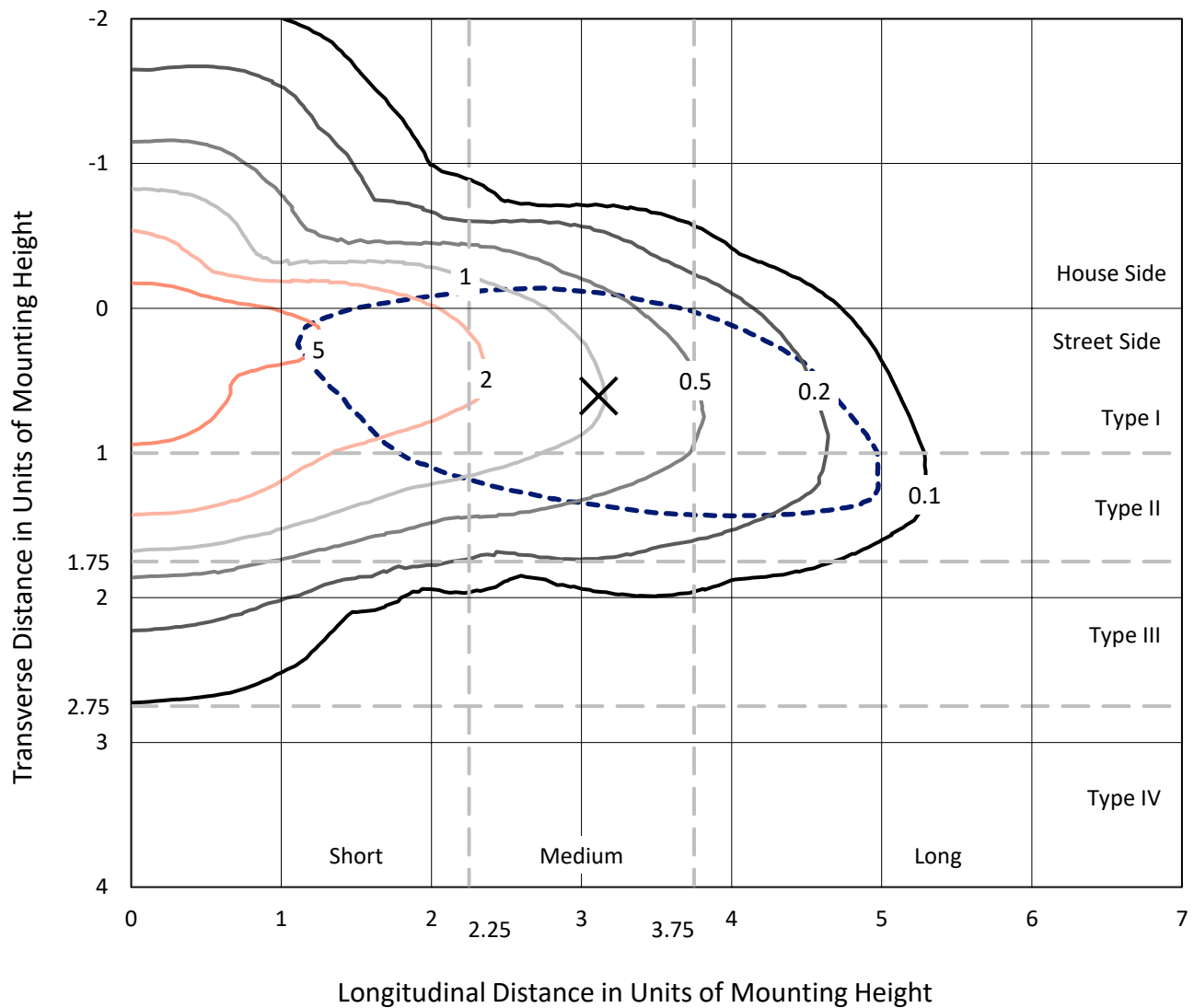


REPORT NUMBER: P948763

CATALOG NUMBER: GALN-SB3D-722-U-SL2

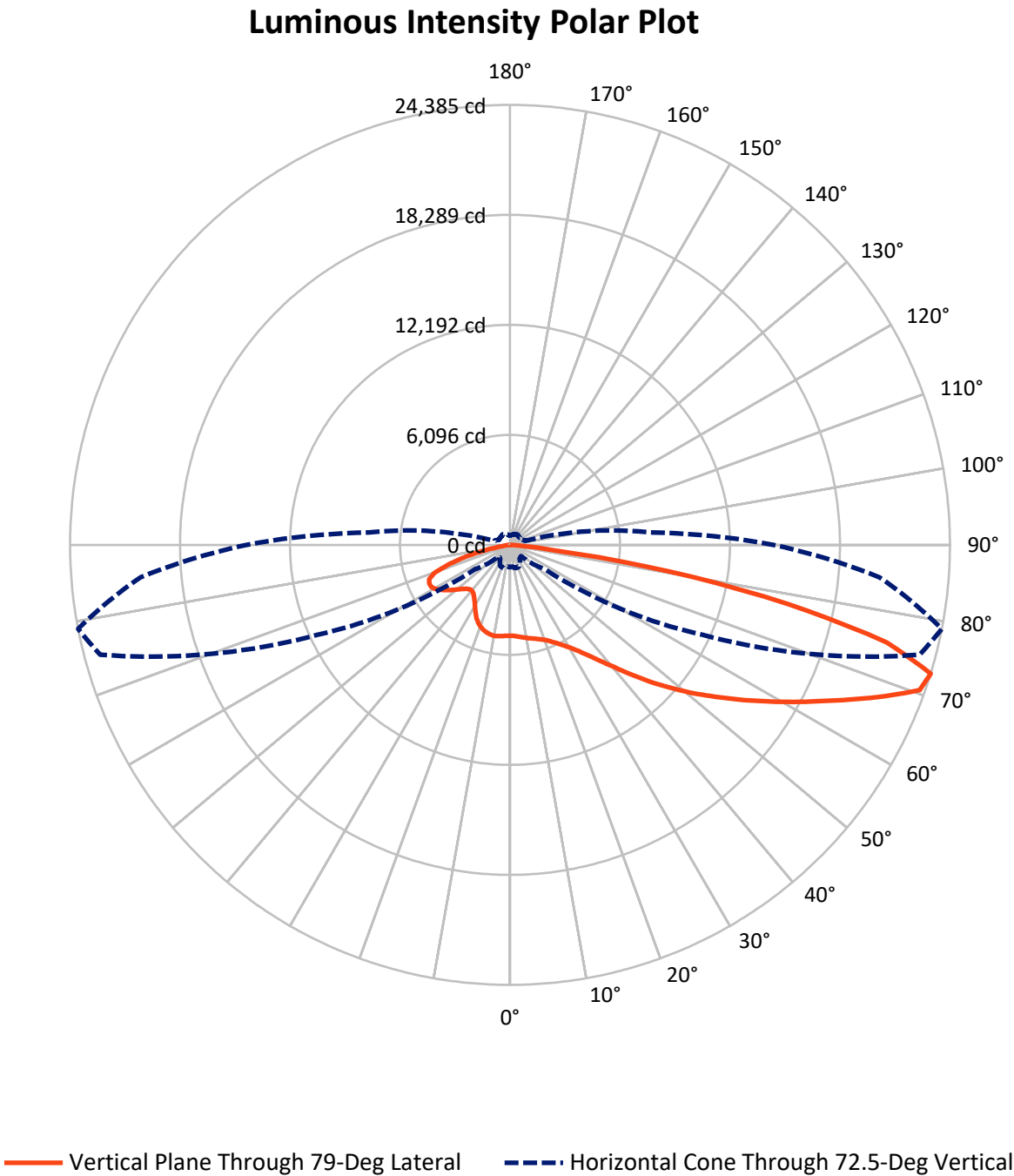
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Medium - N/A

REPORT NUMBER: P948763
CATALOG NUMBER: GALN-SB3D-722-U-SL2



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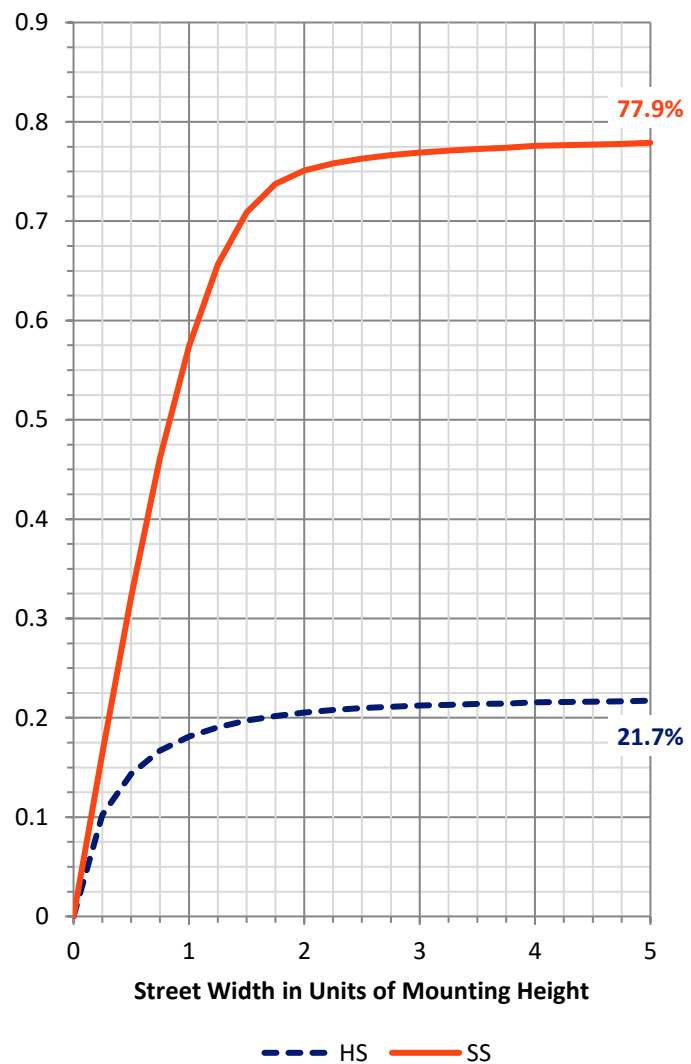
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5516.6	0.0	5516.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19552.4	0.0	19552.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	25069.0	0.0	25069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.8	1.8
10°-20°	1194.3	4.8
20°-30°	1927.1	7.7
30°-40°	2892.3	11.5
40°-50°	4102.9	16.4
50°-60°	5181.4	20.7
60°-70°	5262.4	21.0
70°-80°	3586.6	14.3
80°-90°	465.3	1.9
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°	25069.0	100.0
0°-180°	25069.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948763

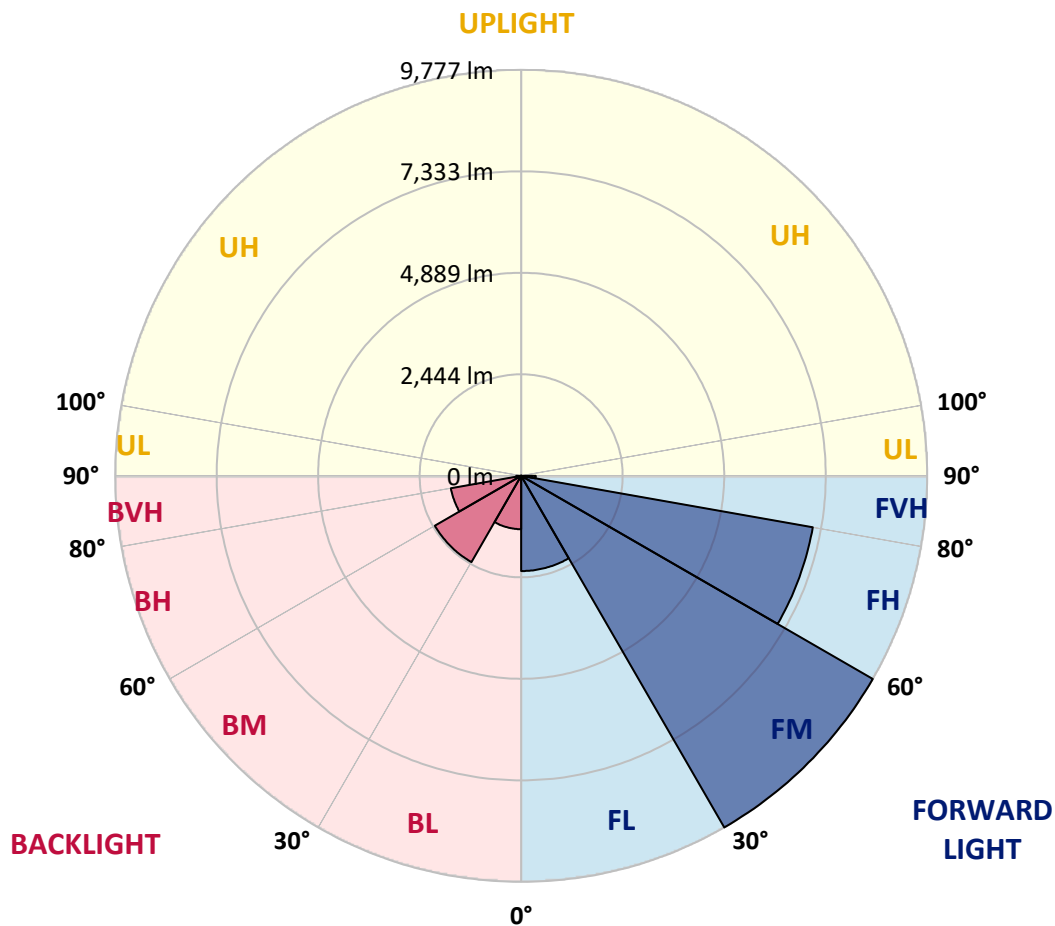
CATALOG NUMBER: GALN-SB3D-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2293.2	9.1			
FM	(30°-60°)	9777.4	39.0			
FH	(60°-80°)	7131.3	28.4			G3/7500
FVH	(80°-90°)	350.5	1.4			G3/500
BL	(0°-30°)	1285.0	5.1	B3/2500		
BM	(30°-60°)	2399.1	9.6	B2/2500		
BH	(60°-80°)	1717.7	6.9	B3/2500		G3/2500
BVH	(80°-90°)	114.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P948763

CATALOG NUMBER: GALN-SB3D-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4
2.5°	5035.0	5011.1	5025.7	5020.4	5027.1	5035.0	5037.7	5041.6	5054.9	5053.6	5052.3
5°	5024.4	5000.5	5020.4	5013.8	5031.0	5049.6	5065.5	5080.1	5101.3	5110.6	5097.3
7.5°	5001.9	4986.0	5005.8	5025.7	5057.6	5085.4	5107.9	5141.1	5171.6	5176.9	5186.2
10°	4870.6	4858.7	4905.1	4956.8	5044.3	5119.9	5168.9	5207.4	5240.6	5245.9	5259.1
12.5°	4734.0	4719.4	4771.1	4841.4	4983.3	5119.9	5223.3	5273.7	5302.9	5320.1	5340.0
15°	4711.5	4699.5	4728.7	4789.7	4907.7	5084.1	5260.4	5353.3	5378.5	5398.4	5406.3
17.5°	4820.2	4797.7	4809.6	4830.8	4899.8	5050.9	5289.6	5443.4	5481.9	5503.1	5503.1
20°	5072.1	5040.3	5021.8	4979.3	4967.4	5056.2	5287.0	5552.2	5602.6	5629.1	5635.7
22.5°	5407.6	5386.4	5346.6	5239.2	5122.5	5121.2	5337.4	5691.4	5785.6	5810.8	5794.8
25°	5813.4	5781.6	5731.2	5585.3	5361.2	5249.8	5422.2	5869.1	6026.9	6033.5	5987.1
27.5°	6280.2	6232.4	6163.5	5971.2	5668.9	5451.4	5552.2	6073.3	6304.0	6301.4	6205.9
30°	6772.1	6724.4	6651.5	6418.1	6037.5	5723.2	5732.5	6293.4	6632.9	6618.3	6455.2
32.5°	7131.5	7095.7	7081.1	6900.8	6461.8	6044.1	5939.4	6537.4	7038.7	7025.4	6797.3
35°	7407.3	7360.9	7378.1	7286.7	6924.6	6403.5	6192.7	6827.8	7532.0	7530.6	7246.9
37.5°	7680.5	7639.4	7654.0	7593.0	7353.0	6859.7	6501.6	7183.2	8143.3	8172.5	7790.5
40°	7929.8	7886.0	7944.4	7887.4	7685.8	7345.0	6853.0	7585.0	8851.4	8907.1	8448.3
42.5°	8079.6	8045.2	8142.0	8143.3	7974.9	7754.7	7238.9	8027.9	9670.9	9795.5	9257.2
45°	8131.3	8119.4	8265.3	8295.8	8230.8	7992.1	7586.3	8510.6	10554.0	10776.8	10178.8
47.5°	8075.7	8053.1	8254.7	8367.4	8419.1	8103.5	7874.1	9033.1	11455.8	11782.0	11183.9
50°	7794.5	7750.8	8050.5	8287.8	8472.1	8176.4	8164.5	9636.4	12480.8	12837.5	12194.4
52.5°	7289.3	7256.2	7596.9	8009.3	8355.4	8212.2	8490.7	10295.5	13454.1	13915.6	13230.0
55°	6643.5	6599.8	6975.0	7513.4	8065.0	8200.3	8816.9	11032.7	14602.5	15070.6	14300.1
57.5°	5619.8	5532.3	6007.0	6643.5	7591.6	8185.7	9156.4	11766.1	15769.4	16330.3	15441.9
60°	4126.7	3996.7	4578.9	5333.4	6666.1	8043.8	9576.7	12588.2	17169.7	17674.9	16688.4
62.5°	2402.8	2327.2	2707.8	3411.9	5024.4	7208.4	9812.8	13544.3	18546.1	19076.6	17913.6
65°	1865.8	1844.5	1877.7	1932.1	2796.6	5397.0	9084.8	14476.5	20296.5	20667.8	19190.6
67.5°	1706.6	1690.7	1705.3	1603.2	1418.9	3006.2	7187.2	14712.5	22171.6	22397.0	20308.5
70°	1517.0	1498.4	1546.2	1458.7	1116.5	1367.2	4643.8	13855.9	23663.4	24086.4	21158.5
72.5°	1235.9	1214.7	1326.1	1286.3	940.2	877.8	2332.5	11820.4	23506.9	24384.8	20549.8
75°	949.5	937.5	1070.1	1103.3	766.5	690.9	1119.2	8786.4	20686.4	21570.9	17710.7
77.5°	737.3	728.0	795.6	916.3	617.9	535.7	688.2	5573.4	15589.1	15744.2	12205.0
80°	553.0	526.4	588.8	709.4	481.4	391.2	466.8	3250.2	9853.9	8932.3	5312.2
82.5°	346.1	332.8	384.6	473.4	339.5	269.2	303.7	1795.5	3949.0	2325.9	1025.0
85°	197.6	192.3	209.5	270.5	184.3	155.1	173.7	793.0	721.4	495.9	309.0
87.5°	79.6	76.9	95.5	120.7	67.6	57.0	61.0	191.0	159.1	147.2	102.1
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: P948763

CATALOG NUMBER: GALN-SB3D-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4	5032.4
2.5°	5046.9	5046.9	5028.4	4999.2	4966.1	4944.8	4910.4	4901.1	4865.3	4854.7	4871.9
5°	5107.9	5097.3	5040.3	4958.1	4845.4	4742.0	4627.9	4556.3	4455.5	4419.7	4446.2
7.5°	5184.9	5155.7	5057.6	4877.2	4641.2	4409.1	4167.8	3984.8	3809.7	3747.4	3755.4
10°	5255.1	5214.0	5046.9	4731.3	4322.9	3921.1	3536.6	3267.4	3063.2	2979.6	2998.2
12.5°	5325.4	5249.8	4976.7	4488.7	3870.7	3325.7	2916.0	2706.5	2580.5	2479.7	2512.9
15°	5391.7	5285.6	4867.9	4163.8	3374.8	2821.8	2519.5	2352.4	2251.6	2185.3	2197.3
17.5°	5468.6	5316.1	4704.8	3751.4	2902.7	2473.1	2226.4	2125.7	2105.8	2097.8	2103.1
20°	5576.0	5344.0	4490.0	3289.9	2555.3	2194.6	2067.3	2058.0	2056.7	2052.7	2066.0
22.5°	5691.4	5377.1	4206.2	2870.9	2259.6	2020.9	1998.4	1979.8	1967.9	1966.5	1981.1
25°	5828.0	5387.7	3850.9	2527.5	2007.6	1938.7	1912.2	1884.3	1876.4	1876.4	1884.3
27.5°	5960.6	5351.9	3437.1	2229.1	1865.8	1863.1	1828.6	1819.3	1818.0	1822.0	1832.6
30°	6093.2	5284.3	3026.0	1953.3	1783.5	1783.5	1771.6	1778.2	1783.5	1796.8	1806.1
32.5°	6272.2	5212.7	2682.6	1749.1	1711.9	1698.7	1710.6	1723.9	1729.2	1746.4	1761.0
35°	6534.8	5162.3	2409.4	1637.7	1637.7	1620.4	1627.1	1624.4	1612.5	1604.5	1623.1
37.5°	6882.2	5159.7	2184.0	1586.0	1575.3	1572.7	1574.0	1556.8	1510.4	1454.7	1456.0
40°	7299.9	5231.3	2010.3	1550.2	1542.2	1558.1	1550.2	1503.7	1376.4	1279.6	1277.0
42.5°	7860.8	5435.5	1898.9	1506.4	1530.3	1550.2	1518.3	1357.9	1271.7	1206.7	1204.1
45°	8521.2	5767.0	1841.9	1460.0	1507.7	1531.6	1377.8	1307.5	1238.5	1160.3	1155.0
47.5°	9269.1	6184.7	1828.6	1416.2	1457.3	1471.9	1318.1	1286.3	1208.0	1123.2	1116.5
50°	10083.3	6679.3	1864.4	1364.5	1384.4	1334.0	1298.2	1269.0	1188.1	1104.6	1095.3
52.5°	10925.3	7224.3	1936.0	1294.2	1311.5	1255.8	1290.2	1265.1	1176.2	1063.5	1055.5
55°	11752.8	7773.3	2005.0	1212.0	1237.2	1185.5	1267.7	1249.1	1121.8	994.5	987.9
57.5°	12593.5	8319.6	2072.6	1139.1	1165.6	1117.9	1231.9	1206.7	1060.8	930.9	928.2
60°	13467.4	8850.1	2104.4	1068.8	1087.4	1055.5	1177.5	1133.8	991.9	865.9	861.9
62.5°	14285.5	9291.6	2052.7	998.5	1010.5	997.2	1105.9	1047.6	922.9	793.0	791.7
65°	15106.4	9554.2	1893.6	929.6	932.2	925.6	1005.1	954.8	842.0	729.3	721.4
67.5°	15850.3	9701.4	1640.3	855.3	848.7	846.0	911.0	854.0	763.8	665.7	657.7
70°	16008.1	9327.4	1253.1	767.8	767.8	761.2	807.6	749.2	677.6	598.0	595.4
72.5°	14621.0	7846.2	889.8	668.3	678.9	665.7	704.1	655.1	590.1	537.1	521.1
75°	11789.9	5753.7	647.1	566.2	584.8	562.2	598.0	563.6	507.9	506.6	456.2
77.5°	8100.8	3557.8	469.4	466.8	480.0	450.9	492.0	473.4	423.0	400.5	375.3
80°	3457.0	1418.9	342.1	360.7	360.7	334.2	381.9	387.2	343.4	332.8	332.8
82.5°	688.2	403.1	240.0	248.0	233.4	225.4	270.5	299.7	413.7	460.1	461.5
85°	206.9	148.5	144.5	135.3	119.3	120.7	159.1	301.0	371.3	212.2	183.0
87.5°	57.0	37.1	38.5	30.5	25.2	33.2	54.4	228.1	124.6	53.0	45.1
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)