

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: P949836

Luminaire Tested: **GALN-SB4C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949836
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-SB4C-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24233 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 200.7
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



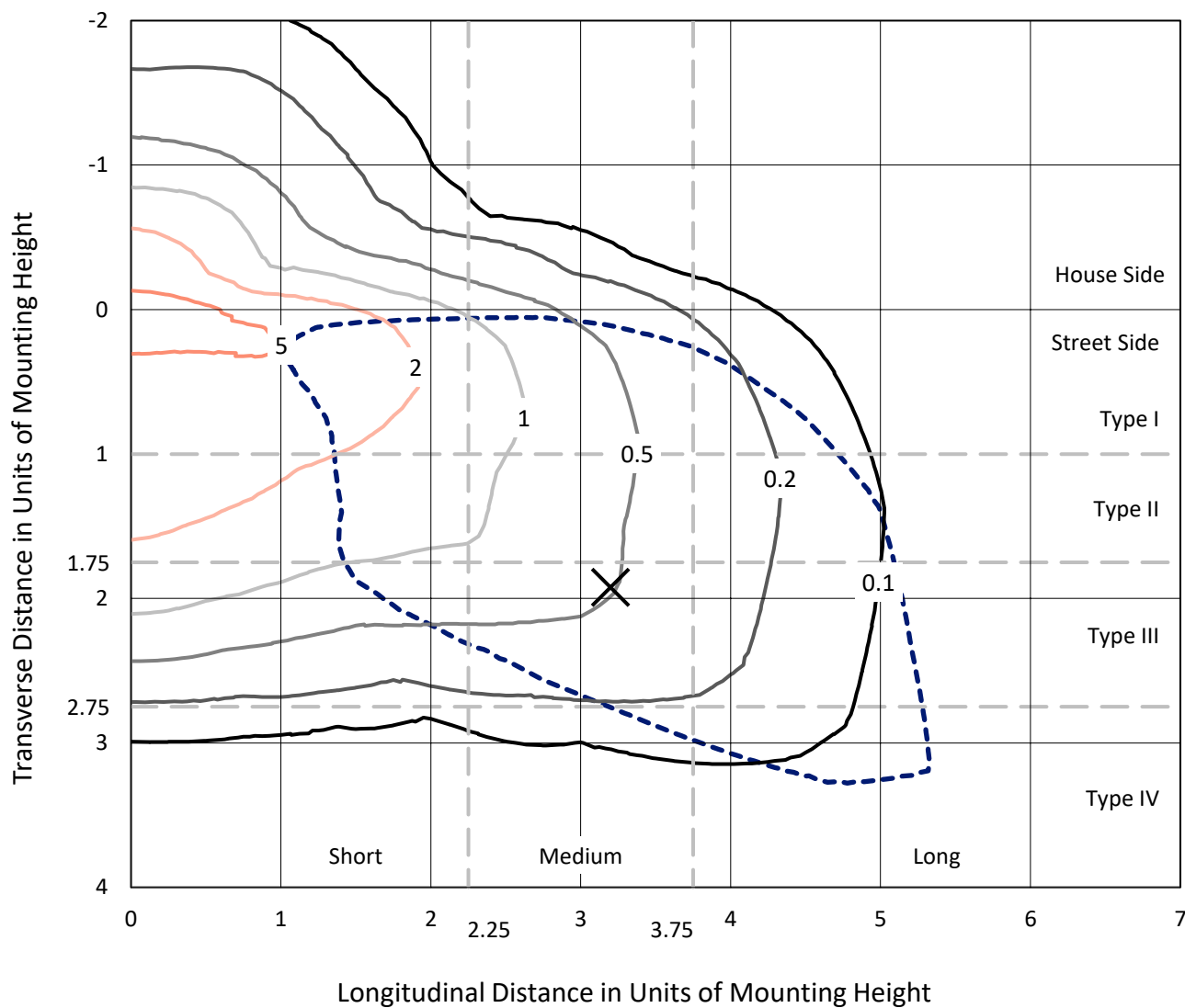
REPORT NUMBER: P949836

CATALOG NUMBER: GALN-SB4C-722-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

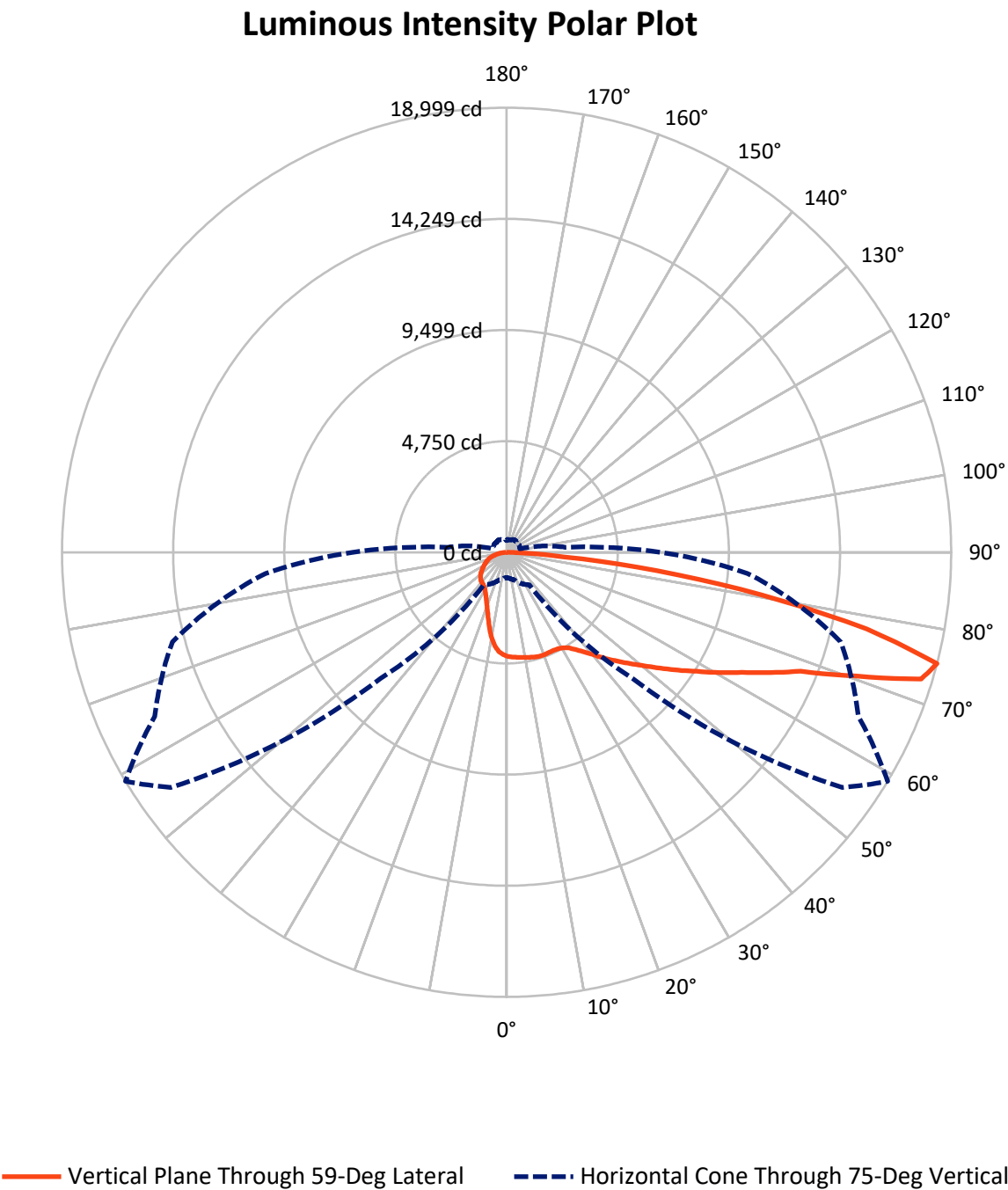
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P949836
CATALOG NUMBER: GALN-SB4C-722-U-SL3



REPORT NUMBER: P949836

CATALOG NUMBER: GALN-SB4C-722-U-SL3

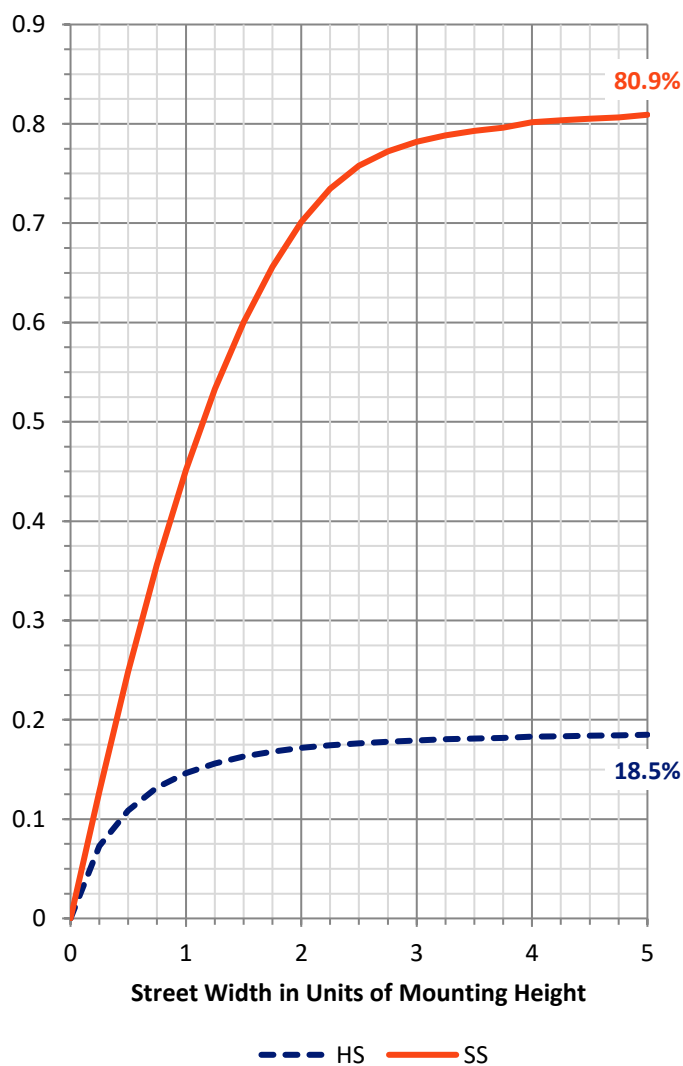
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4545.1	0.0	4545.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	19687.9	0.0	19687.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	24233.0	0.0	24233.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.8	1.6
10°-20°	1019.4	4.2
20°-30°	1548.4	6.4
30°-40°	2301.7	9.5
40°-50°	3423.0	14.1
50°-60°	4646.4	19.2
60°-70°	5672.4	23.4
70°-80°	4451.7	18.4
80°-90°	771.1	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°	24233.0	100.0
0°-180°	24233.0	100.0

Coefficient of Utilization



REPORT NUMBER: P949836

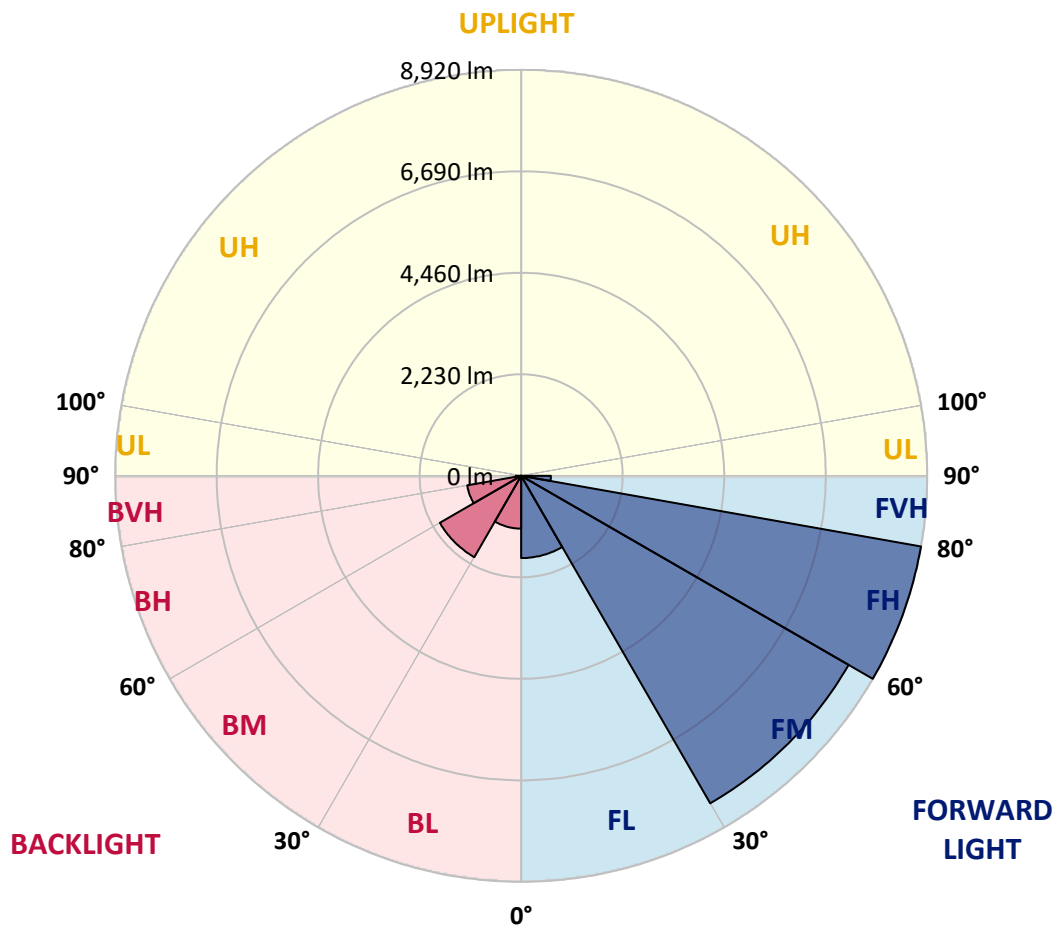
CATALOG NUMBER: GALN-SB4C-722-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1806.8	7.5			
FM	(30°-60°)	8308.1	34.3			
FH	(60°-80°)	8919.9	36.8			G4/12000
FVH	(80°-90°)	653.1	2.7			G4/750
BL	(0°-30°)	1159.8	4.8	B3/2500		
BM	(30°-60°)	2063.0	8.5	B2/2500		
BH	(60°-80°)	1204.2	5.0	B3/2500		G3/2500
BVH	(80°-90°)	118.0	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-G4

Type IV Medium



REPORT NUMBER: P949836

CATALOG NUMBER: GALN-SB4C-722-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9
2.5°	4485.7	4470.1	4485.7	4479.2	4476.6	4471.4	4472.7	4481.8	4476.6	4483.1	4460.9
5°	4455.7	4446.6	4462.3	4458.3	4475.3	4477.9	4494.8	4505.3	4511.8	4513.1	4496.1
7.5°	4406.2	4397.1	4419.2	4437.5	4474.0	4484.4	4519.6	4536.6	4545.7	4561.3	4536.6
10°	4225.0	4221.1	4275.8	4344.9	4431.0	4484.4	4537.9	4566.5	4580.9	4622.6	4593.9
12.5°	3904.3	3909.5	3981.2	4114.2	4286.3	4458.3	4558.7	4600.4	4622.6	4674.7	4661.7
15°	3598.0	3596.7	3674.9	3817.0	4058.1	4343.6	4569.1	4640.8	4678.7	4755.6	4745.1
17.5°	3420.7	3415.5	3470.2	3578.4	3802.6	4167.6	4543.1	4663.0	4743.8	4840.3	4831.2
20°	3388.1	3377.7	3406.3	3459.8	3618.8	3974.7	4475.3	4663.0	4796.0	4921.1	4915.9
22.5°	3506.7	3489.8	3478.0	3471.5	3541.9	3815.7	4398.4	4647.4	4872.9	5037.1	5028.0
25°	3745.3	3719.2	3659.2	3600.6	3579.7	3744.0	4330.6	4643.5	4987.6	5193.6	5159.7
27.5°	4131.1	4098.5	3977.3	3836.5	3710.1	3780.5	4300.6	4666.9	5114.1	5359.1	5291.3
30°	4609.6	4574.4	4421.8	4205.4	3978.6	3916.0	4338.4	4736.0	5275.7	5579.4	5446.5
32.5°	5038.4	4999.3	4869.0	4648.7	4342.3	4150.7	4458.3	4867.7	5529.9	5885.8	5679.8
35°	5419.1	5373.5	5256.2	5052.8	4788.2	4480.5	4674.7	5101.0	5891.0	6383.8	5996.6
37.5°	5791.9	5738.5	5610.7	5395.6	5210.5	4919.8	4973.3	5400.9	6370.7	6988.6	6416.4
40°	6209.1	6132.2	5977.0	5764.6	5584.7	5434.7	5365.7	5768.5	6858.3	7663.9	6940.4
42.5°	6613.2	6540.2	6355.1	6173.9	5948.4	5905.3	5820.6	6198.7	7391.5	8405.7	7472.3
45°	7048.6	6961.3	6737.1	6507.6	6365.5	6218.2	6261.2	6628.9	7914.2	9161.8	8030.2
47.5°	7456.6	7358.9	7094.2	6838.7	6760.5	6481.5	6665.4	7102.1	8457.8	9928.3	8583.0
50°	7677.0	7580.5	7360.2	7129.4	7068.2	6806.1	7103.4	7622.2	9027.5	10692.2	9113.5
52.5°	7860.8	7756.5	7468.4	7340.6	7322.4	7159.4	7643.1	8216.6	9597.2	11367.5	9625.8
55°	8056.3	7940.3	7572.7	7457.9	7541.4	7555.7	8283.1	8890.6	10199.4	12025.8	10109.5
57.5°	8281.8	8134.5	7673.0	7557.0	7755.2	8019.8	9018.4	9589.3	10791.3	12635.9	10539.7
60°	8494.3	8345.7	7866.0	7714.8	7985.9	8558.2	9861.8	10435.4	11461.3	13179.5	10946.4
62.5°	8536.0	8413.5	8019.8	8018.5	8298.8	9186.5	10860.4	11289.3	12046.6	13716.6	11311.4
65°	7813.8	7736.9	7503.6	8006.8	8747.2	10091.2	11972.3	12381.7	12791.0	14185.9	11632.1
67.5°	5947.1	5957.5	5940.5	6911.7	8384.8	11390.9	13582.3	13551.0	13710.1	14712.5	12001.0
70°	2719.3	2780.6	3179.5	4771.2	6717.5	11540.8	16244.3	15838.8	14863.7	15394.3	12320.4
72.5°	1469.2	1516.1	1679.0	2311.3	4038.6	10260.7	18233.6	18521.7	16398.1	15853.2	11969.7
75°	1078.1	1104.2	1217.6	1469.2	1696.0	7626.1	17520.5	18998.8	16589.7	14782.9	10336.3
77.5°	806.9	818.7	911.2	1164.1	868.2	4020.3	13999.5	15734.6	14201.5	12145.7	7635.2
80°	585.3	598.4	667.4	873.4	608.8	1470.5	9612.8	11044.2	9726.2	7742.1	3805.2
82.5°	404.1	409.3	439.3	594.4	425.0	571.0	5454.3	6476.3	5429.5	2716.7	1027.2
85°	243.8	250.3	263.3	346.8	241.2	271.2	2354.3	2435.1	1623.0	649.2	319.4
87.5°	100.4	106.9	117.3	146.0	95.2	75.6	388.5	487.5	303.7	190.3	99.1
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: P949836

CATALOG NUMBER: GALN-SB4C-722-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9	4447.9
2.5°	4454.4	4445.3	4420.5	4386.6	4355.4	4316.2	4299.3	4285.0	4271.9	4247.2	4235.4
5°	4481.8	4457.0	4390.6	4304.5	4206.7	4099.8	3995.6	3923.9	3862.6	3817.0	3779.2
7.5°	4523.5	4476.6	4355.4	4179.4	3955.1	3725.7	3518.4	3371.1	3260.3	3219.9	3149.5
10°	4566.5	4510.5	4299.3	3989.0	3601.9	3248.6	2973.5	2822.3	2733.7	2705.0	2660.7
12.5°	4617.4	4535.3	4212.0	3724.4	3206.9	2819.7	2579.8	2491.2	2445.6	2429.9	2433.8
15°	4691.7	4556.1	4080.3	3393.3	2830.1	2506.8	2351.7	2290.4	2267.0	2265.7	2270.9
17.5°	4747.7	4560.0	3875.6	3038.7	2540.7	2317.8	2190.1	2166.6	2182.2	2205.7	2214.8
20°	4810.3	4524.8	3607.1	2715.4	2337.4	2152.3	2098.8	2114.5	2152.3	2186.2	2197.9
22.5°	4854.6	4460.9	3282.5	2463.8	2161.4	2057.1	2054.5	2087.1	2107.9	2124.9	2134.0
25°	4893.7	4352.7	2938.3	2252.6	2016.7	1999.7	2028.4	2018.0	2003.6	2018.0	2027.1
27.5°	4922.4	4182.0	2630.7	2067.5	1915.0	1960.6	1943.7	1920.2	1918.9	1926.7	1939.8
30°	4913.3	3953.8	2377.8	1891.5	1843.3	1887.6	1847.2	1843.3	1839.4	1843.3	1857.6
32.5°	4913.3	3694.4	2183.5	1770.3	1797.7	1780.7	1776.8	1767.7	1752.1	1750.7	1767.7
35°	4940.7	3435.0	2016.7	1705.1	1759.9	1719.5	1722.1	1699.9	1667.3	1651.7	1667.3
37.5°	4996.7	3226.4	1851.1	1673.8	1693.4	1692.1	1681.7	1643.9	1586.5	1537.0	1553.9
40°	5132.3	3165.2	1737.7	1659.5	1662.1	1677.7	1650.4	1577.4	1447.0	1366.2	1376.6
42.5°	5344.8	3268.1	1712.9	1624.3	1641.2	1656.9	1603.4	1434.0	1341.4	1293.2	1293.2
45°	5614.6	3448.0	1766.4	1573.5	1591.7	1619.1	1460.0	1379.2	1337.5	1338.8	1345.3
47.5°	5956.2	3637.1	1865.5	1529.1	1520.0	1535.7	1364.9	1315.3	1258.0	1272.3	1308.8
50°	6351.2	3828.7	1959.3	1469.2	1440.5	1389.6	1303.6	1256.7	1183.7	1149.8	1158.9
52.5°	6778.8	4013.8	1997.1	1396.2	1354.4	1295.8	1261.9	1204.5	1115.9	1059.8	1058.5
55°	7184.2	4182.0	1955.4	1308.8	1268.4	1222.8	1217.6	1182.4	1087.2	1009.0	1009.0
57.5°	7567.4	4322.8	1851.1	1220.2	1181.1	1153.7	1188.9	1171.9	1052.0	951.6	946.4
60°	7892.0	4419.2	1699.9	1130.2	1102.9	1088.5	1142.0	1136.7	1002.5	890.4	886.5
62.5°	8150.2	4457.0	1533.0	1044.2	1037.7	1011.6	1076.8	1076.8	939.9	830.4	826.5
65°	8352.2	4420.5	1363.6	959.5	972.5	933.4	997.3	989.4	873.4	777.0	771.7
67.5°	8530.8	4300.6	1175.9	876.0	906.0	856.5	913.8	895.6	800.4	723.5	718.3
70°	8610.3	4021.6	962.1	792.6	829.1	780.9	830.4	796.5	718.3	666.1	655.7
72.5°	7971.6	3342.5	757.4	705.3	736.5	697.4	740.4	701.3	629.6	606.2	586.6
75°	6595.0	2508.1	582.7	610.1	633.6	603.6	632.3	603.6	538.4	555.3	507.1
77.5°	4789.5	1693.4	445.8	509.7	520.1	504.5	529.3	496.7	438.0	434.1	414.5
80°	2381.7	992.0	349.4	402.8	398.9	388.5	417.2	401.5	352.0	372.8	368.9
82.5°	689.6	425.0	254.2	282.9	275.1	277.7	298.5	306.3	458.9	455.0	465.4
85°	216.4	166.9	152.5	157.7	149.9	153.8	176.0	349.4	323.3	189.0	204.7
87.5°	56.1	57.4	37.8	40.4	41.7	49.5	56.1	212.5	101.7	66.5	70.4
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)