

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: P955199

Luminaire Tested: **GALN-SB8B-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8B-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38119 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 292.8
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

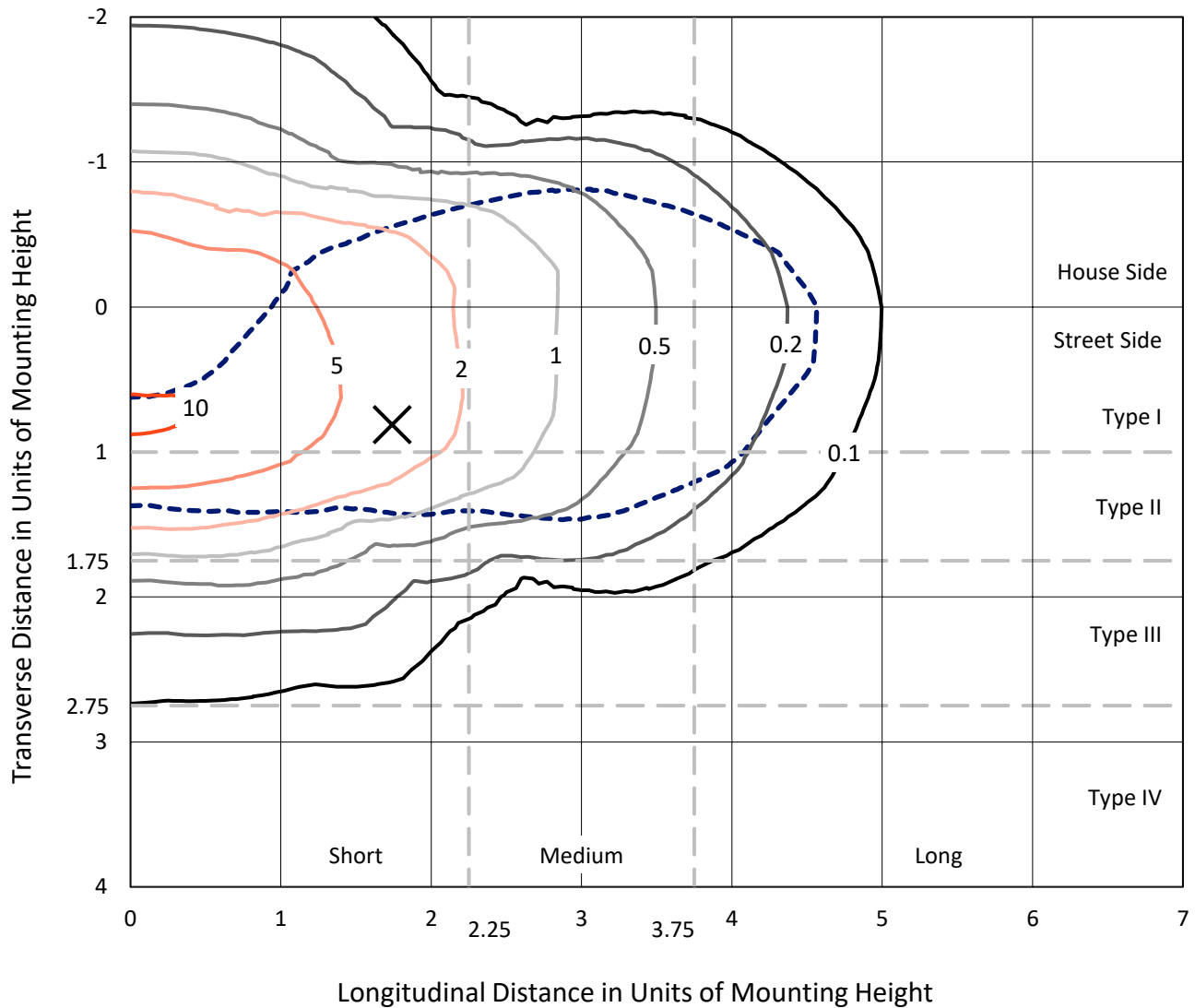


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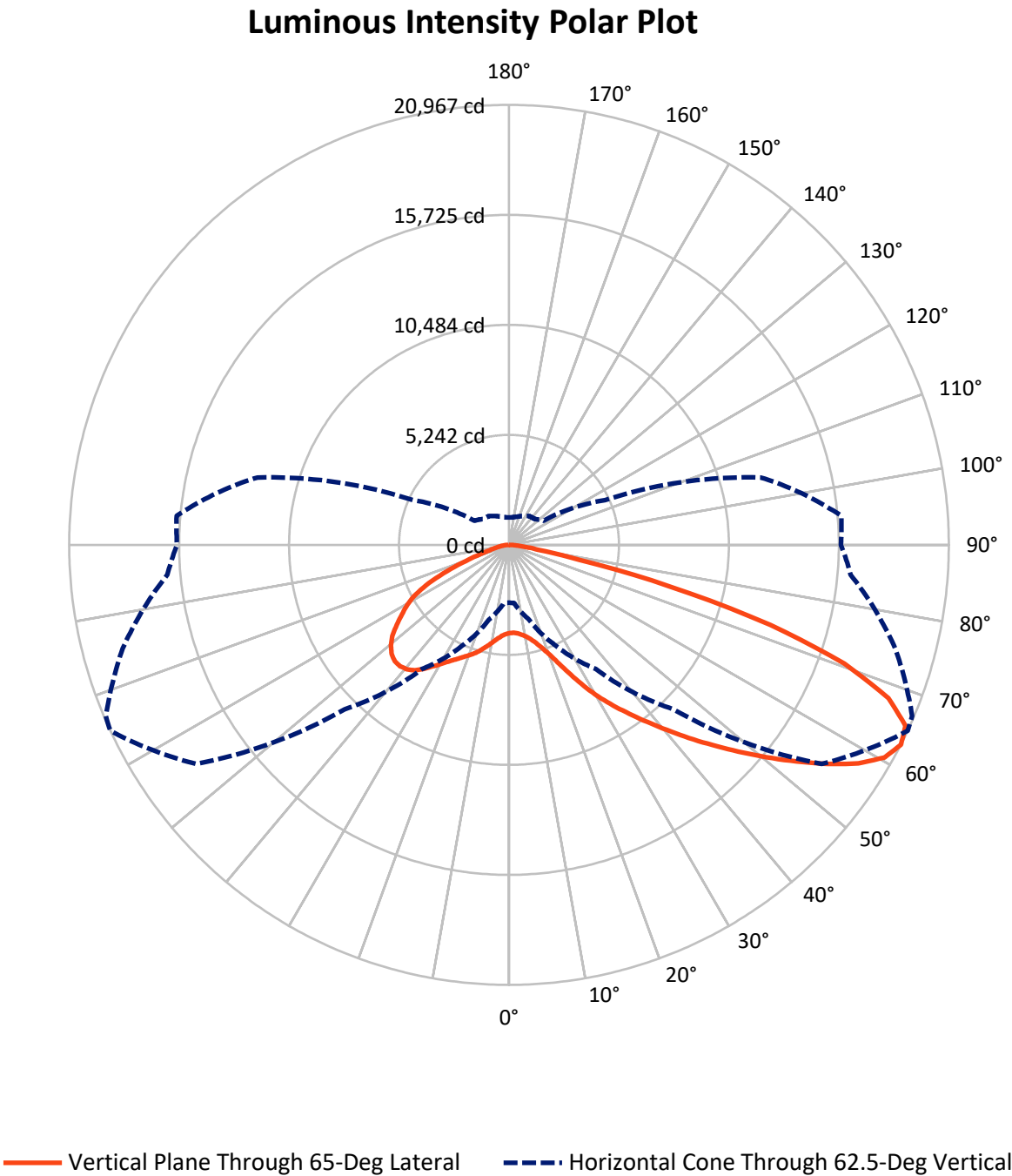
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Short - N/A

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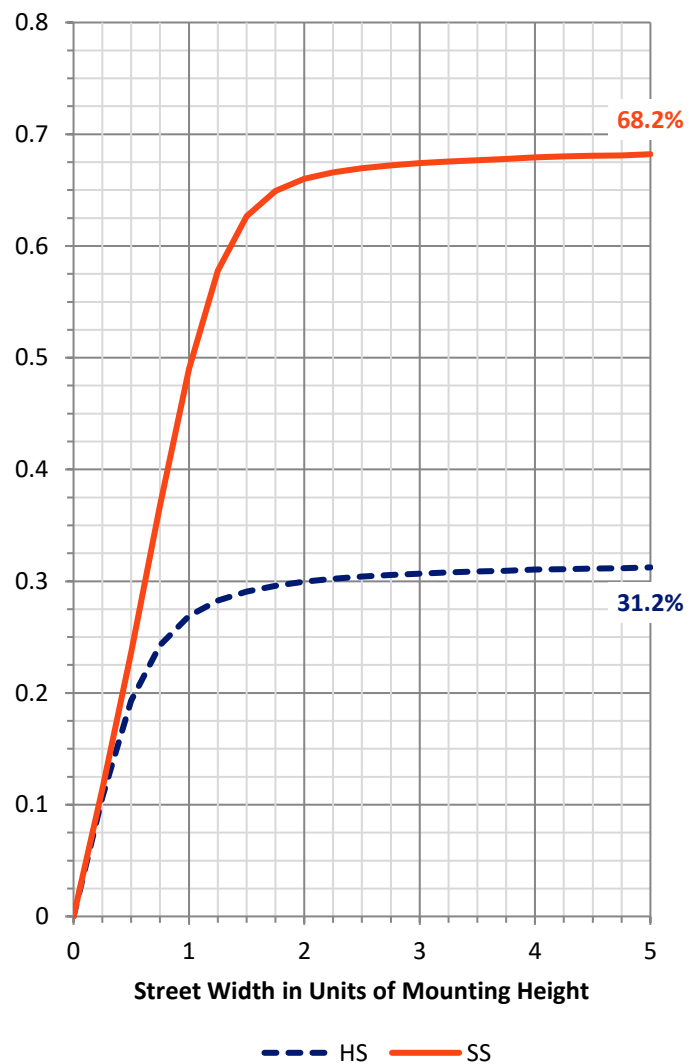
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12028.7	0.0	12028.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	26090.3	0.0	26090.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	38119.0	0.0	38119.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.8	1.1
10°-20°	1420.2	3.7
20°-30°	2879.5	7.6
30°-40°	4982.9	13.1
40°-50°	7540.7	19.8
50°-60°	8841.0	23.2
60°-70°	7412.1	19.4
70°-80°	4092.1	10.7
80°-90°	531.5	1.4
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°	38119.0	100.0
0°-180°	38119.0	100.0

Coefficient of Utilization



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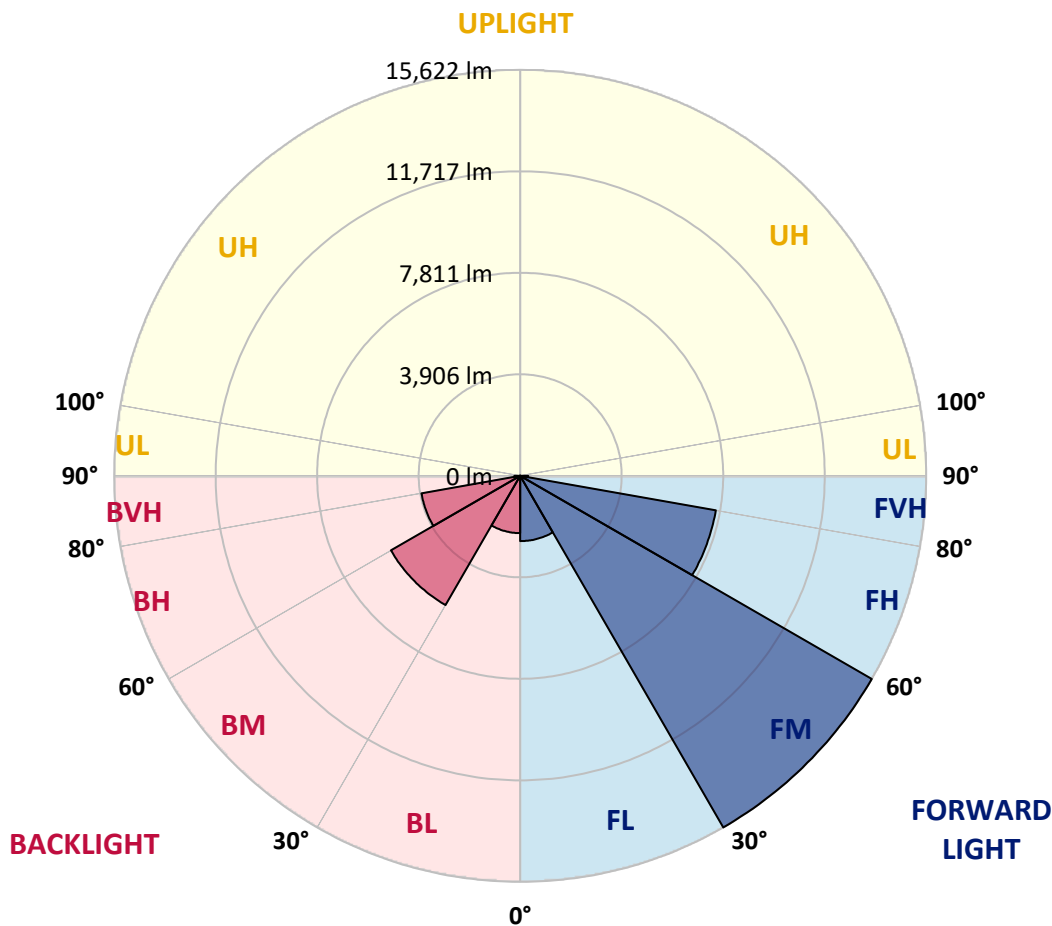
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2512.5	6.6			
FM	(30°-60°)	15622.4	41.0			
FH	(60°-80°)	7645.6	20.1			G4/12000
FVH	(80°-90°)	309.8	0.8			G3/500
BL	(0°-30°)	2205.9	5.8	B3/2500		
BM	(30°-60°)	5742.3	15.1	B4/8500		
BH	(60°-80°)	3858.7	10.1	B4/5000		G4/5000
BVH	(80°-90°)	221.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5
2.5°	4172.9	4161.0	4170.9	4170.9	4174.8	4172.9	4186.7	4190.7	4196.6	4208.5	4208.5
5°	4131.3	4129.4	4147.2	4163.0	4178.8	4192.6	4210.4	4236.1	4240.1	4253.9	4271.7
7.5°	4117.5	4105.6	4133.3	4153.1	4190.7	4224.3	4271.7	4315.3	4333.1	4339.0	4372.6
10°	4224.3	4204.5	4230.2	4242.1	4273.7	4307.3	4362.7	4431.9	4451.7	4475.4	4513.0
12.5°	4406.2	4384.5	4422.0	4439.8	4469.5	4499.2	4536.8	4604.0	4613.9	4657.4	4693.0
15°	4655.4	4629.7	4653.4	4675.2	4724.6	4752.3	4789.9	4855.2	4855.2	4888.8	4914.5
17.5°	4993.6	4960.0	4977.8	4985.7	5017.3	5058.9	5122.1	5179.5	5209.2	5197.3	5161.7
20°	5497.9	5456.4	5456.4	5416.8	5404.9	5438.6	5521.6	5600.7	5632.4	5571.1	5484.0
22.5°	6255.3	6196.0	6162.4	6027.9	5974.5	5978.5	6061.5	6158.4	6184.1	6075.4	5879.6
25°	7218.5	7125.5	7080.0	6882.3	6761.6	6656.8	6722.1	6846.7	6882.3	6747.8	6431.3
27.5°	8181.6	8187.5	8144.0	7906.7	7706.9	7515.1	7481.5	7612.0	7649.6	7497.3	7105.7
30°	9532.3	9391.9	9308.8	9024.1	8739.3	8470.3	8331.9	8385.3	8395.2	8213.2	7758.4
32.5°	10697.2	10661.6	10483.6	10234.4	9868.5	9447.3	9215.9	9130.9	9115.0	8856.0	8316.1
35°	12024.2	12004.4	11816.5	11519.9	11124.3	10538.9	10121.7	9878.4	9858.6	9494.7	8867.8
37.5°	13372.9	13372.9	13189.0	12864.7	12455.3	11723.6	11088.7	10703.1	10639.8	10165.2	9429.5
40°	14448.8	14383.5	14417.1	14280.7	13812.0	13034.8	12162.6	11602.9	11517.9	10948.3	10026.7
42.5°	15059.9	15038.1	15239.8	15392.1	15200.3	14579.3	13345.2	12577.9	12459.3	11810.6	10715.0
45°	15196.3	15172.6	15532.5	16090.2	16359.2	16104.1	14630.7	13604.3	13459.9	12712.4	11452.6
47.5°	14881.9	14834.4	15362.5	16242.5	17104.8	17553.7	16023.0	14717.7	14508.1	13590.5	12210.1
50°	13936.6	13891.1	14690.1	15858.9	17355.9	18538.6	17533.9	15898.4	15578.0	14531.8	12975.4
52.5°	11881.8	11903.5	13155.4	14761.2	17025.7	19151.7	18835.2	17142.4	16756.7	15495.0	13693.3
55°	9255.4	9302.9	10841.5	12609.6	15704.6	19058.7	19723.2	18423.9	18040.2	16400.7	14434.9
57.5°	6627.1	6836.8	8278.5	10028.7	13167.3	17585.3	19917.0	19642.1	19270.3	17389.6	15160.7
60°	4295.5	4333.1	5816.3	7580.4	10026.7	14966.9	19523.5	20565.7	20275.0	18398.2	15767.9
62.5°	2752.9	2778.6	3682.4	5302.1	7216.5	11072.9	18198.4	20967.1	20878.1	19064.6	16351.3
65°	2023.1	2003.4	2474.1	3504.4	4861.1	6828.9	15625.5	20773.3	20949.3	19481.9	16833.8
67.5°	1688.9	1661.2	1892.6	2426.6	3581.5	3878.2	11561.4	19513.6	20158.3	19434.5	17187.8
70°	1538.6	1514.9	1655.3	1801.6	2794.4	2596.7	5828.2	16964.4	17957.1	18894.6	17130.5
72.5°	1303.3	1261.7	1453.6	1599.9	2173.4	1991.5	2408.8	13030.8	14241.1	17164.1	16323.6
75°	1010.6	982.9	1147.0	1408.1	1633.5	1554.4	1522.8	7912.6	9233.7	13274.0	14280.7
77.5°	801.0	763.4	913.7	1097.6	1469.4	1172.8	1109.5	3407.5	4716.7	8474.3	10685.3
80°	603.2	569.6	694.2	868.2	1129.2	884.0	717.9	1390.3	1777.9	4293.5	5373.3
82.5°	429.2	399.5	484.5	636.8	759.4	793.0	441.0	779.2	876.1	1655.3	1200.4
85°	274.9	257.1	324.3	399.5	482.5	510.2	269.0	407.4	447.0	682.3	500.3
87.5°	150.3	122.6	174.0	185.9	223.5	203.7	128.5	148.3	160.2	247.2	211.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5	4200.5
2.5°	4216.4	4222.3	4242.1	4248.0	4261.9	4279.7	4291.5	4303.4	4303.4	4315.3	4315.3
5°	4273.7	4287.6	4329.1	4350.9	4386.4	4422.0	4443.8	4469.5	4485.3	4493.2	4497.2
7.5°	4384.5	4406.2	4465.6	4503.1	4564.4	4613.9	4647.5	4683.1	4691.0	4712.8	4704.9
10°	4534.8	4560.5	4627.7	4698.9	4772.1	4833.4	4865.0	4890.8	4900.6	4904.6	4894.7
12.5°	4706.8	4744.4	4831.4	4918.4	4995.6	5049.0	5056.9	5050.9	5023.3	4999.5	4999.5
15°	4918.4	4952.1	5049.0	5143.9	5219.0	5228.9	5179.5	5147.8	5114.2	5108.3	5108.3
17.5°	5171.6	5189.4	5278.4	5371.3	5377.3	5343.6	5270.5	5240.8	5209.2	5187.4	5189.4
20°	5466.3	5460.3	5523.6	5563.2	5521.6	5418.8	5308.0	5258.6	5227.0	5201.2	5203.2
22.5°	5818.3	5772.8	5764.9	5755.0	5644.2	5428.7	5278.4	5215.1	5165.6	5130.0	5141.9
25°	6330.5	6156.5	6035.8	5968.6	5719.4	5375.3	5183.4	5043.0	4950.1	4888.8	4912.5
27.5°	6971.2	6678.6	6374.0	6209.9	5719.4	5266.5	4954.0	4726.6	4574.3	4511.0	4542.7
30°	7582.3	7275.8	6826.9	6500.6	5705.5	5088.5	4584.2	4267.8	4089.8	4026.5	4064.1
32.5°	8104.4	7770.2	7307.5	6819.0	5671.9	4799.8	4125.4	3775.4	3603.3	3528.1	3565.7
35°	8589.0	8233.0	7790.0	7169.0	5582.9	4376.6	3621.1	3354.1	3162.3	3041.6	3081.2
37.5°	9085.4	8662.1	8246.8	7485.4	5422.7	3882.1	3233.5	3006.0	2780.6	2618.4	2661.9
40°	9625.3	9119.0	8735.3	7673.3	5159.7	3411.5	2932.9	2725.2	2485.9	2313.9	2347.5
42.5°	10256.1	9666.8	9279.2	7770.2	4799.8	3077.2	2737.1	2533.4	2307.9	2167.5	2195.2
45°	10914.7	10270.0	9775.6	7768.2	4398.3	2921.0	2673.8	2472.1	2222.9	2076.5	2100.3
47.5°	11604.9	10900.9	10204.7	7641.7	4050.2	2942.8	2638.2	2339.6	2064.7	1922.3	1942.1
50°	12297.1	11591.1	10620.0	7404.4	3901.9	2895.3	2505.7	2153.7	1829.3	1700.8	1708.7
52.5°	12983.3	12324.8	10978.0	7066.2	3751.6	2719.3	2335.6	1912.4	1732.4	1643.4	1643.4
55°	13673.5	13050.6	11367.6	6573.7	3375.9	2513.6	2050.8	1821.4	1655.3	1574.2	1566.3
57.5°	14365.7	13889.1	11737.4	6081.3	2903.2	2260.5	1894.6	1710.7	1578.2	1509.0	1497.1
60°	15085.6	14848.3	12119.1	5628.4	2436.5	1936.1	1779.9	1621.7	1487.2	1410.1	1404.1
62.5°	15827.2	15904.3	12417.7	5045.0	2007.3	1738.4	1677.1	1514.9	1384.4	1311.2	1309.2
65°	16574.8	16922.8	12613.5	4236.1	1627.6	1550.5	1566.3	1398.2	1265.7	1202.4	1200.4
67.5°	17138.4	17656.5	12558.1	3205.8	1334.9	1372.5	1427.9	1275.6	1151.0	1101.6	1103.5
70°	17201.7	17569.5	12012.3	2195.2	1117.4	1198.5	1273.6	1155.0	1026.4	990.8	992.8
72.5°	16359.2	16382.9	10491.5	1433.8	945.3	1052.1	1111.4	1032.3	907.7	872.1	870.2
75°	14150.2	13548.9	7703.0	945.3	791.1	903.8	959.2	903.8	783.2	791.1	763.4
77.5°	10720.9	9595.6	4677.2	672.4	660.5	759.4	834.6	795.0	692.2	777.2	684.3
80°	5523.6	5191.4	2086.4	502.3	522.1	607.1	686.2	634.8	547.8	522.1	476.6
82.5°	1265.7	1471.4	822.7	359.9	377.7	437.1	524.1	476.6	393.6	332.2	328.3
85°	443.0	484.5	363.9	225.5	221.5	272.9	356.0	318.4	267.0	213.6	225.5
87.5°	140.4	183.9	136.5	91.0	94.9	122.6	164.1	150.3	124.6	81.1	85.0
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)