

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: P952698

Luminaire Tested: **GALN-SB6C-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38212 lumens
Efficiency: N/A
Efficacy: 127.0 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): 300.9
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

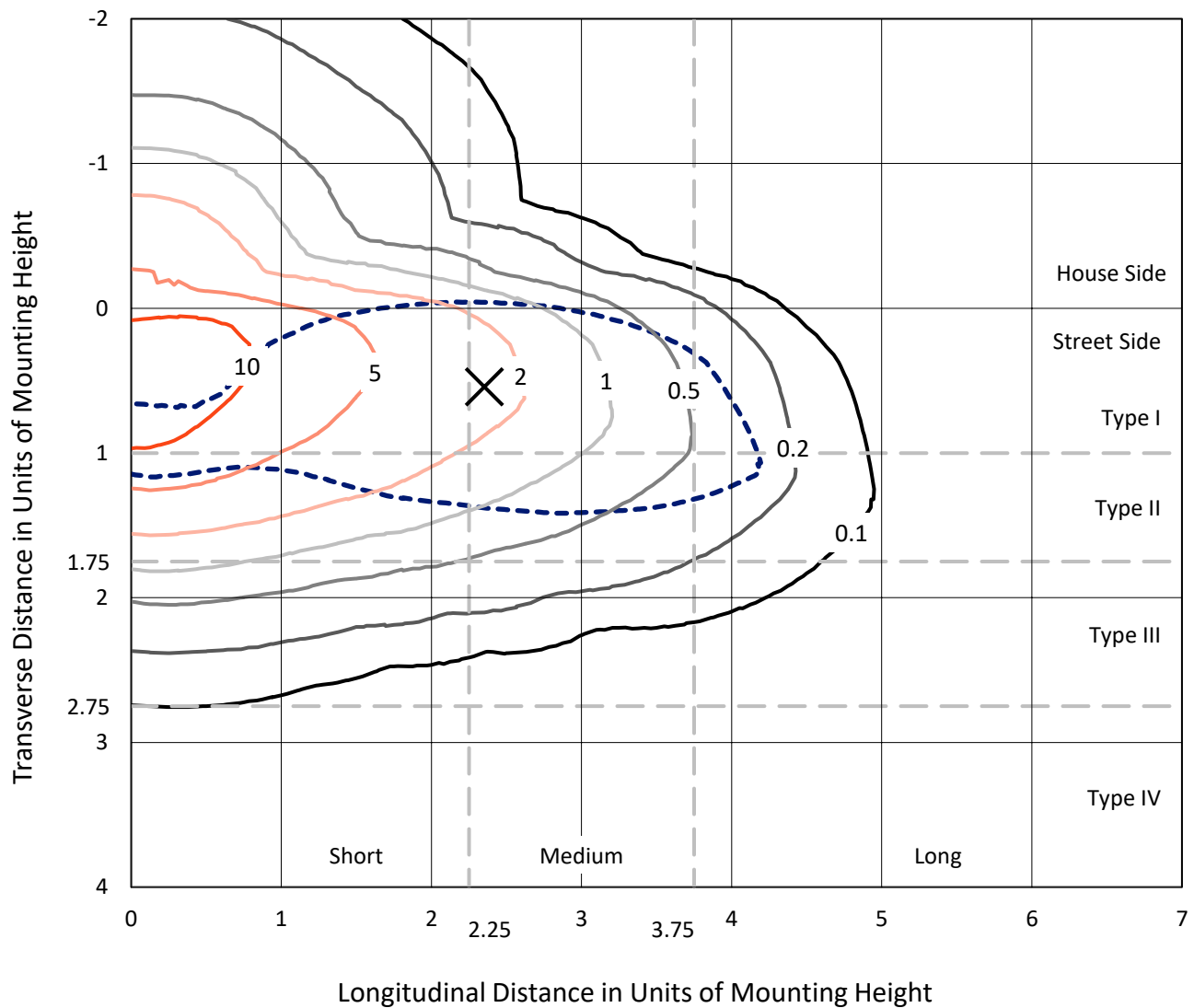


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Iso-Footcandle Lines of Horizontal Illumination

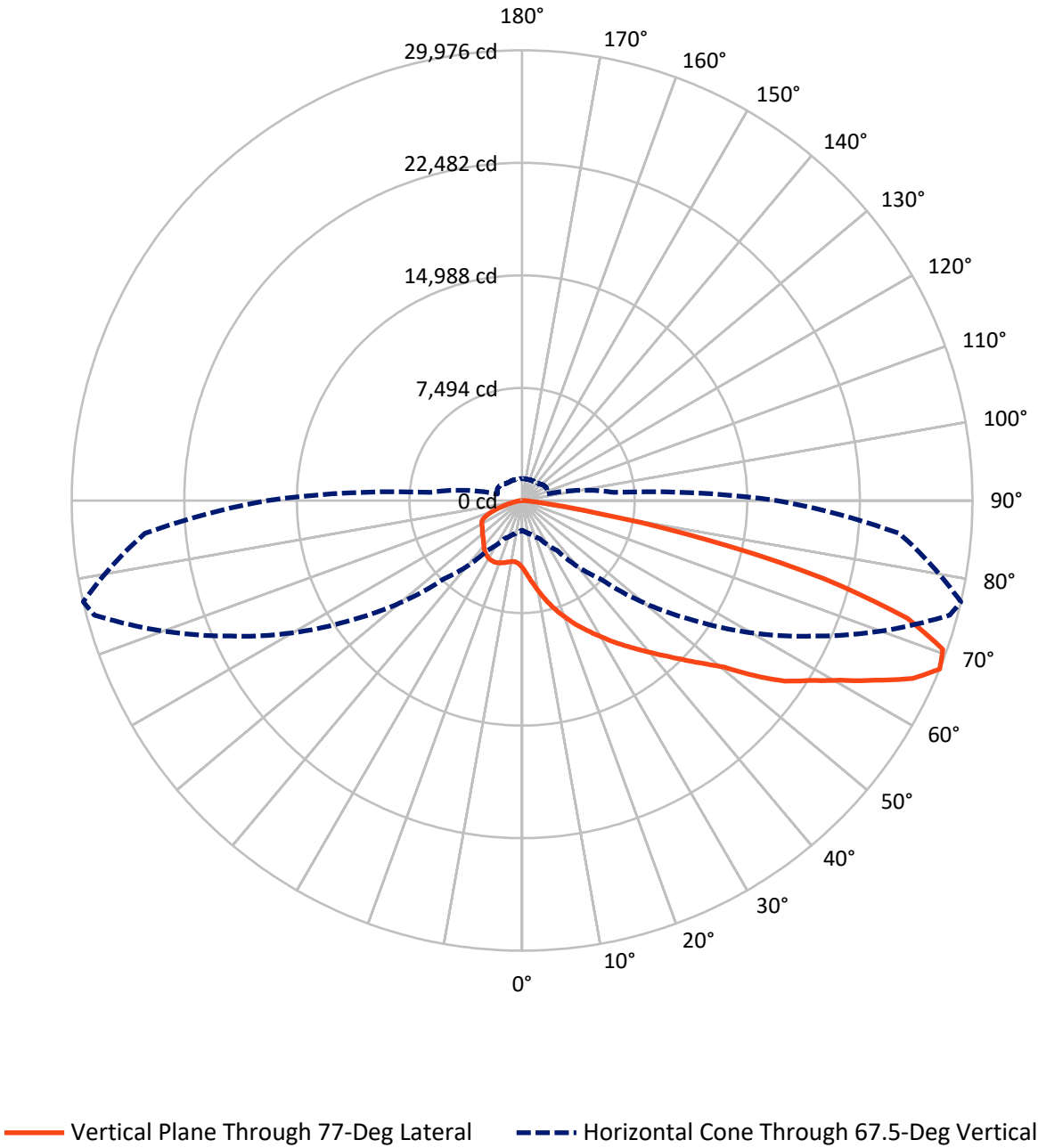
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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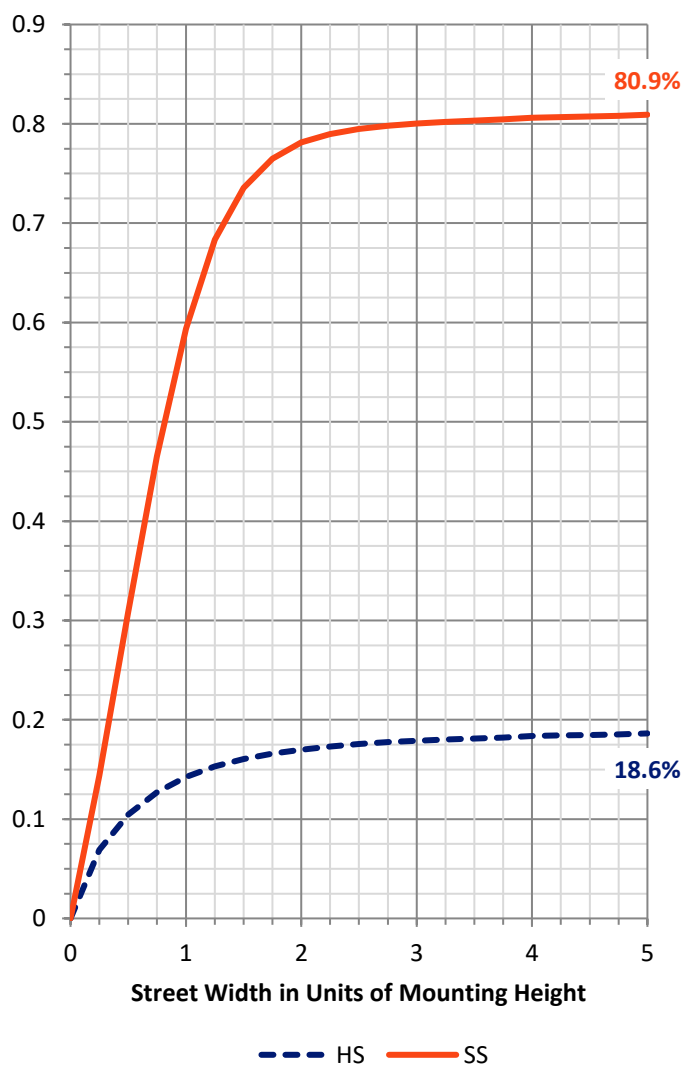
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7228.2	0.0	7228.2
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	30983.8	0.0	30983.8
	% Fixture	81.1	0.0	81.1
Total	Lumens	38212.0	0.0	38212.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.6	1.3
10°-20°	1726.5	4.5
20°-30°	3259.8	8.5
30°-40°	5251.4	13.7
40°-50°	7183.0	18.8
50°-60°	8102.5	21.2
60°-70°	7562.6	19.8
70°-80°	4145.6	10.8
80°-90°	500.1	1.3
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°	38212.0	100.0
0°-180°	38212.0	100.0

Coefficient of Utilization



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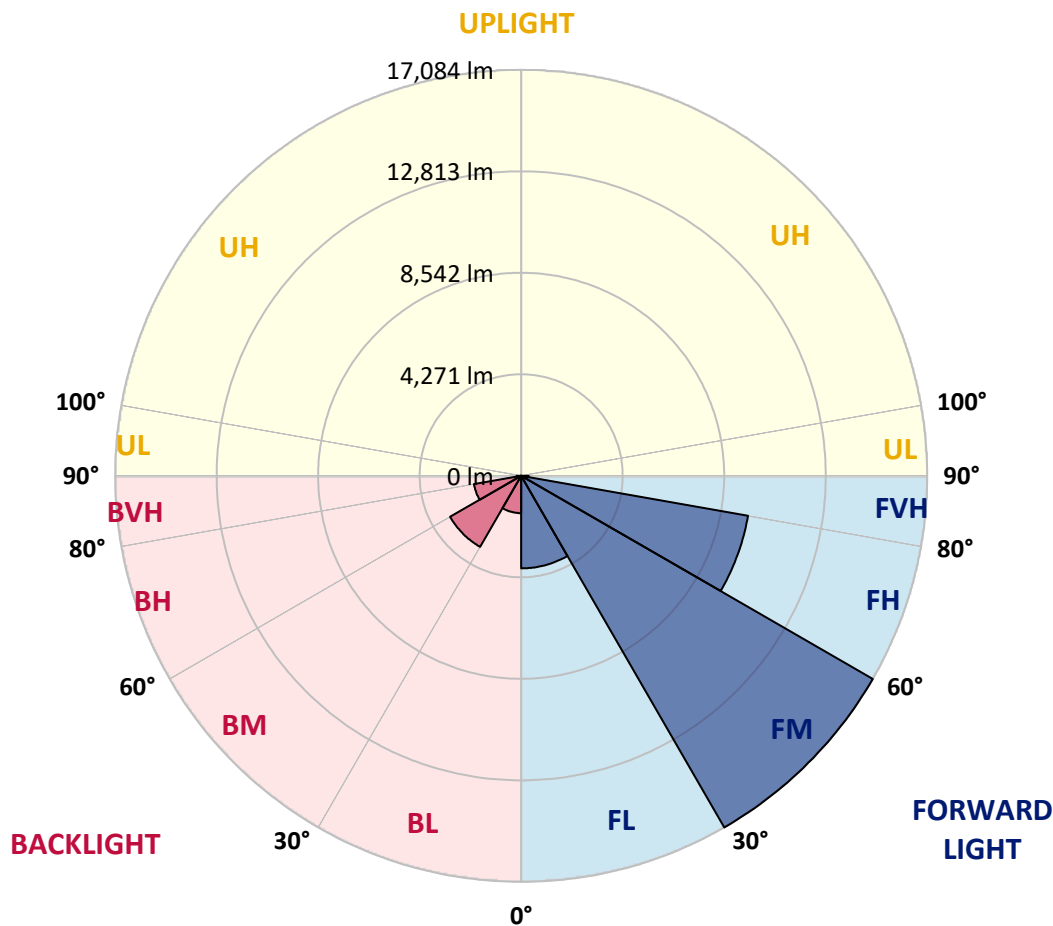
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3895.2	10.2			
FM	(30°-60°)	17084.2	44.7			
FH	(60°-80°)	9691.7	25.4			G4/12000
FVH	(80°-90°)	312.7	0.8			G3/500
BL	(0°-30°)	1571.6	4.1	B3/2500		
BM	(30°-60°)	3452.7	9.0	B3/5000		
BH	(60°-80°)	2016.5	5.3	B3/2500		G3/2500
BVH	(80°-90°)	187.3	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5
2.5°	5613.7	5653.1	5603.8	5603.8	5438.1	5351.3	5185.7	5059.4	4832.6	4793.1	4643.2
5°	6635.4	6684.7	6615.7	6586.1	6390.8	6211.4	5933.2	5659.1	5254.7	5213.3	4860.2
7.5°	7426.4	7489.5	7428.4	7396.8	7223.2	7022.0	6696.6	6313.9	5743.9	5663.0	5152.1
10°	8071.4	8081.3	8061.5	8073.4	7937.3	7771.6	7438.2	6992.5	6280.4	6169.9	5505.2
12.5°	8436.3	8481.7	8521.1	8592.1	8568.5	8465.9	8166.1	7633.5	6848.5	6706.4	5889.8
15°	8607.9	8686.8	8775.6	8939.3	9071.5	9097.1	8868.3	8321.9	7426.4	7254.8	6278.4
17.5°	8669.1	8744.0	8884.1	9120.8	9404.8	9596.1	9493.6	8990.6	7998.4	7801.2	6686.7
20°	8978.7	9000.4	9085.3	9310.1	9617.8	9935.4	10012.3	9633.6	8564.5	8341.6	7108.8
22.5°	9641.5	9598.1	9621.8	9724.3	9945.3	10253.0	10428.5	10201.7	9146.4	8890.0	7534.9
25°	10736.2	10610.0	10483.7	10365.4	10477.8	10651.4	10850.6	10769.8	9755.9	9430.4	7964.9
27.5°	12118.9	11965.1	11687.0	11298.4	11162.3	11223.4	11312.2	11296.4	10320.0	9990.6	8408.7
30°	13480.0	13300.5	12969.1	12406.9	12047.9	11886.2	11819.1	11773.8	10933.5	10582.4	8856.5
32.5°	14566.8	14424.8	14099.3	13470.1	12949.4	12673.2	12450.3	12288.6	11574.5	11223.4	9329.8
35°	15517.5	15385.4	15012.6	14326.1	13760.0	13466.1	13174.2	12829.0	12241.2	11886.2	9838.7
37.5°	16385.4	16253.3	15742.4	15028.4	14458.3	14255.1	13994.8	13408.9	12909.9	12574.6	10377.2
40°	16933.8	16904.2	16426.8	15618.1	15026.4	14925.8	14839.0	14081.6	13651.6	13339.9	10969.0
42.5°	17073.8	17138.9	16760.2	16095.5	15531.3	15450.5	15653.6	14842.9	14483.9	14186.1	11639.6
45°	16736.5	16923.9	16675.4	16223.7	15890.3	15846.9	16375.6	15675.3	15405.1	15132.9	12448.3
47.5°	15882.4	16200.0	16097.4	16034.3	15987.0	16174.4	17010.7	16559.0	16448.5	16211.8	13371.5
50°	14158.5	14760.1	14939.6	15338.0	15795.6	16428.8	17588.6	17523.5	17667.5	17428.9	14495.8
52.5°	11178.1	12006.5	13048.0	14046.1	15207.8	16344.0	18223.8	18908.2	19515.8	19385.6	16282.9
55°	9227.3	9600.1	10400.9	12231.4	14067.8	15987.0	18509.8	20026.6	21350.2	21233.8	17637.9
57.5°	7728.2	8061.5	8554.7	10083.3	12343.8	15176.3	18687.3	20709.1	22606.6	22594.8	18975.3
60°	6120.6	6473.7	6978.6	8061.5	10329.9	13775.8	18647.9	21486.3	24210.3	24308.9	20606.5
62.5°	4305.9	4694.5	5254.7	6264.6	8272.6	11961.1	17843.1	22048.4	26097.9	26366.2	22569.2
65°	2830.5	3086.9	3509.0	4380.9	6164.0	9627.7	16306.5	22121.4	28117.8	28571.4	24411.5
67.5°	1984.3	2082.9	2331.5	2804.9	4063.3	7383.0	13858.7	21365.9	29465.0	29975.8	25210.3
70°	1548.4	1597.7	1724.0	1913.3	2552.4	4964.7	10619.9	19401.3	29177.0	29709.5	24375.9
72.5°	1337.3	1384.7	1432.0	1455.7	1712.1	3065.2	7193.6	16221.7	26464.8	26825.8	21194.3
75°	1213.1	1224.9	1264.4	1256.5	1305.8	1988.3	4152.1	11819.1	20880.7	20756.4	15645.7
77.5°	1019.8	1035.6	1100.6	1090.8	1159.8	1359.0	2155.9	7627.6	13537.2	12692.9	8708.5
80°	863.9	871.8	942.8	931.0	1007.9	984.3	1100.6	3887.8	5741.9	4864.1	2511.0
82.5°	299.8	370.8	720.0	741.7	769.3	595.7	635.1	1585.9	1753.5	1343.3	526.7
85°	146.0	155.8	366.9	520.7	518.8	299.8	309.7	566.1	552.3	433.9	175.6
87.5°	23.7	29.6	43.4	203.2	161.7	78.9	106.5	110.5	114.4	98.6	39.4
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°	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5
2.5°	4532.8	4434.1	4227.0	4035.7	3885.8	3741.8	3660.9	3591.9	3552.4	3544.6	3544.6
5°	4655.1	4451.9	4075.2	3757.6	3550.5	3396.6	3315.7	3264.5	3238.8	3223.0	3221.1
7.5°	4830.6	4532.8	3996.3	3635.3	3418.3	3307.9	3266.4	3258.5	3256.6	3258.5	3264.5
10°	5073.2	4664.9	3988.4	3605.7	3424.2	3363.1	3361.1	3363.1	3371.0	3372.9	3374.9
12.5°	5335.6	4801.0	4019.9	3631.3	3499.2	3465.7	3459.7	3457.8	3463.7	3467.6	3469.6
15°	5621.6	4980.5	4073.2	3686.6	3582.0	3546.5	3540.6	3528.8	3526.8	3524.8	3522.9
17.5°	5915.5	5158.0	4132.4	3745.7	3635.3	3586.0	3564.3	3536.7	3515.0	3509.0	3515.0
20°	6213.3	5333.6	4173.8	3775.3	3639.2	3570.2	3526.8	3479.5	3442.0	3420.3	3428.2
22.5°	6530.9	5517.0	4199.4	3767.4	3603.7	3509.0	3430.1	3374.9	3317.7	3280.2	3282.2
25°	6840.6	5676.8	4197.4	3726.0	3534.7	3414.4	3313.8	3242.8	3163.9	3124.4	3124.4
27.5°	7138.4	5820.8	4148.1	3653.0	3436.1	3301.9	3181.6	3096.8	3019.9	2982.4	2980.4
30°	7446.1	5941.1	4071.2	3546.5	3319.7	3171.8	3039.6	2966.6	2897.6	2862.1	2860.1
32.5°	7751.9	6051.6	3962.7	3414.4	3185.6	3043.5	2913.4	2846.3	2804.9	2804.9	2806.8
35°	8075.3	6128.5	3818.7	3260.5	3043.5	2907.4	2804.9	2765.4	2761.5	2737.8	2731.9
37.5°	8416.6	6177.8	3643.2	3102.7	2903.5	2775.3	2743.7	2696.4	2656.9	2605.7	2597.8
40°	8775.6	6227.1	3432.1	2939.0	2755.6	2684.5	2670.7	2607.6	2495.2	2369.0	2351.2
42.5°	9211.5	6260.7	3213.2	2775.3	2599.7	2576.1	2595.8	2487.3	2307.8	2213.1	2215.1
45°	9716.5	6315.9	3012.0	2613.5	2440.0	2440.0	2522.8	2380.8	2232.9	2173.7	2183.5
47.5°	10371.3	6444.1	2824.6	2436.0	2292.0	2331.5	2361.1	2252.6	2169.7	2096.7	2094.8
50°	11138.1	6751.8	2631.3	2256.5	2179.6	2258.5	2217.1	2154.0	2057.3	1998.1	1992.2
52.5°	12493.7	6933.3	2459.7	2094.8	2082.9	2161.8	2102.7	2043.5	1970.5	1891.6	1875.8
55°	13294.5	6966.8	2315.7	1976.4	2017.9	2010.0	1988.3	1935.0	1895.6	1791.0	1793.0
57.5°	14190.0	7033.9	2197.3	1905.4	1976.4	1889.6	1881.7	1836.4	1785.1	1714.1	1690.4
60°	15261.1	7138.4	2094.8	1877.8	1940.9	1810.7	1771.3	1753.5	1702.3	1666.7	1676.6
62.5°	16428.8	7233.1	1990.2	1881.7	1899.5	1733.8	1674.6	1668.7	1637.2	1625.3	1625.3
65°	17225.7	6974.7	1860.1	1877.8	1834.4	1654.9	1580.0	1578.0	1552.3	1548.4	1546.4
67.5°	16947.6	6156.1	1684.5	1822.6	1767.3	1576.0	1493.2	1485.3	1451.7	1453.7	1453.7
70°	15555.0	4988.4	1441.9	1686.5	1684.5	1505.0	1402.4	1376.8	1331.4	1339.3	1347.2
72.5°	12943.4	3696.4	1116.4	1459.6	1552.3	1439.9	1297.9	1256.5	1199.3	1207.2	1205.2
75°	9347.6	2512.9	812.7	1110.5	1351.2	1363.0	1195.3	1124.3	1055.3	1067.1	1071.1
77.5°	4783.3	1424.1	597.7	765.3	1061.2	1238.7	1102.6	1007.9	992.2	1102.6	1086.8
80°	1560.2	714.0	414.2	536.5	696.3	1013.9	966.5	858.0	854.1	879.7	755.5
82.5°	465.5	301.8	266.3	353.1	384.6	777.2	834.4	648.9	558.2	587.8	607.5
85°	159.8	146.0	151.9	175.6	183.4	455.6	583.9	430.0	406.3	447.8	441.8
87.5°	37.5	51.3	43.4	39.4	39.4	110.5	226.8	179.5	248.5	165.7	159.8
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)