

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: STREETWORKS

Report Number: P1210973

Luminaire Tested: **ARCH4-130-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-130-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1080mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21352 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 132
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

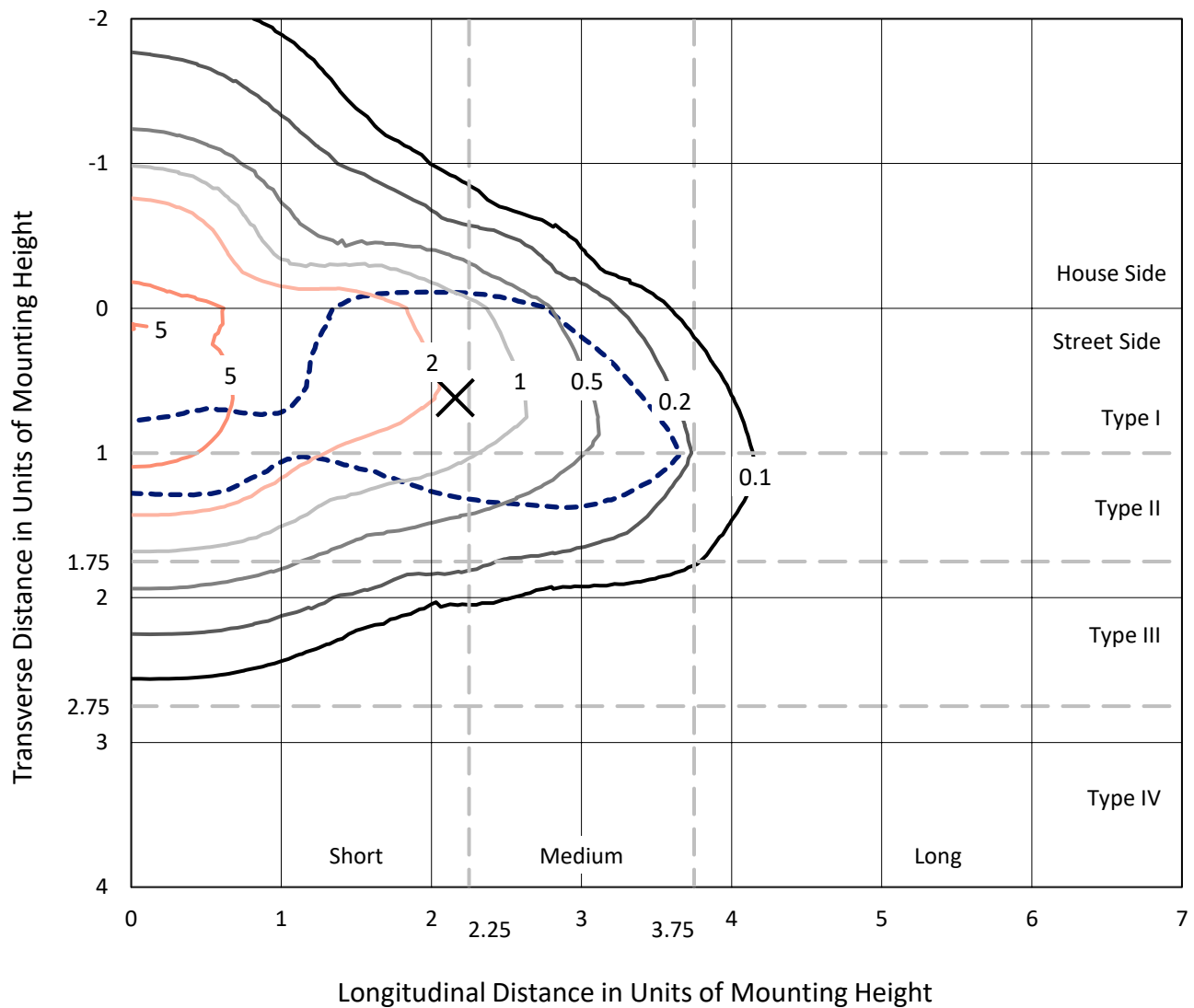


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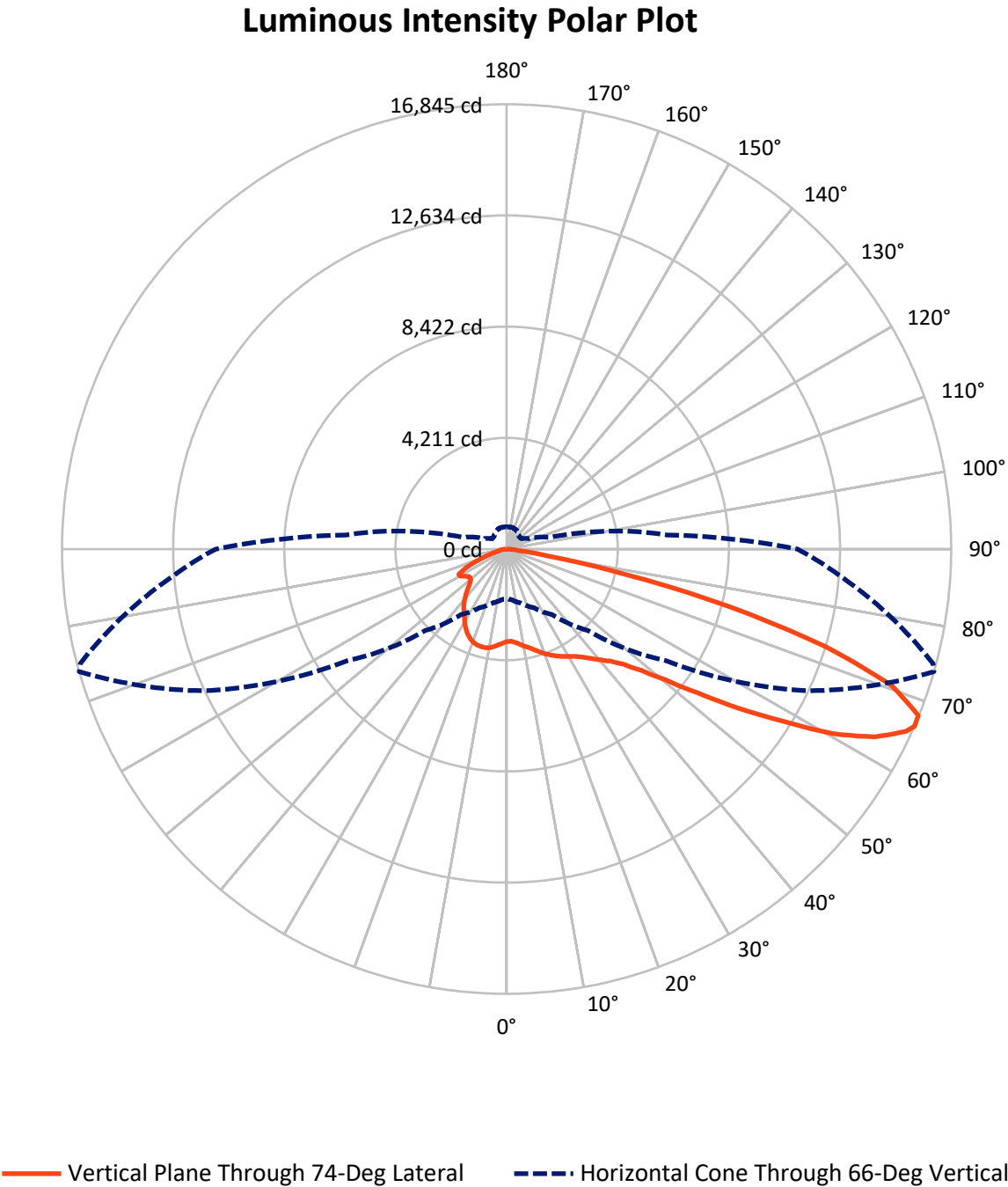
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
Type II - Short - N/A

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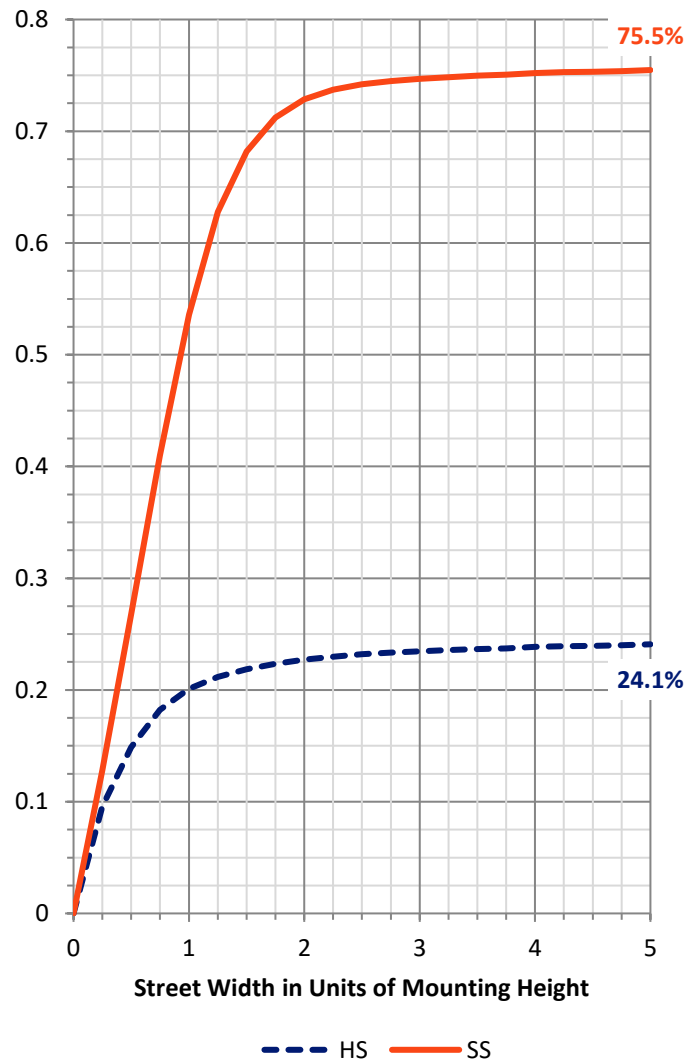
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5199.8	0.0	5199.8
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	16152.2	0.0	16152.2
	% Fixture	75.6	0.0	75.6
Total	Lumens	21352.0	0.0	21352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.9	1.6
10°-20°	1026.8	4.8
20°-30°	1926.8	9.0
30°-40°	2963.9	13.9
40°-50°	3986.7	18.7
50°-60°	4714.7	22.1
60°-70°	4361.4	20.4
70°-80°	1834.8	8.6
80°-90°	203.0	1.0
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°	21352.0	100.0
0°-180°	21352.0	100.0

Coefficient of Utilization



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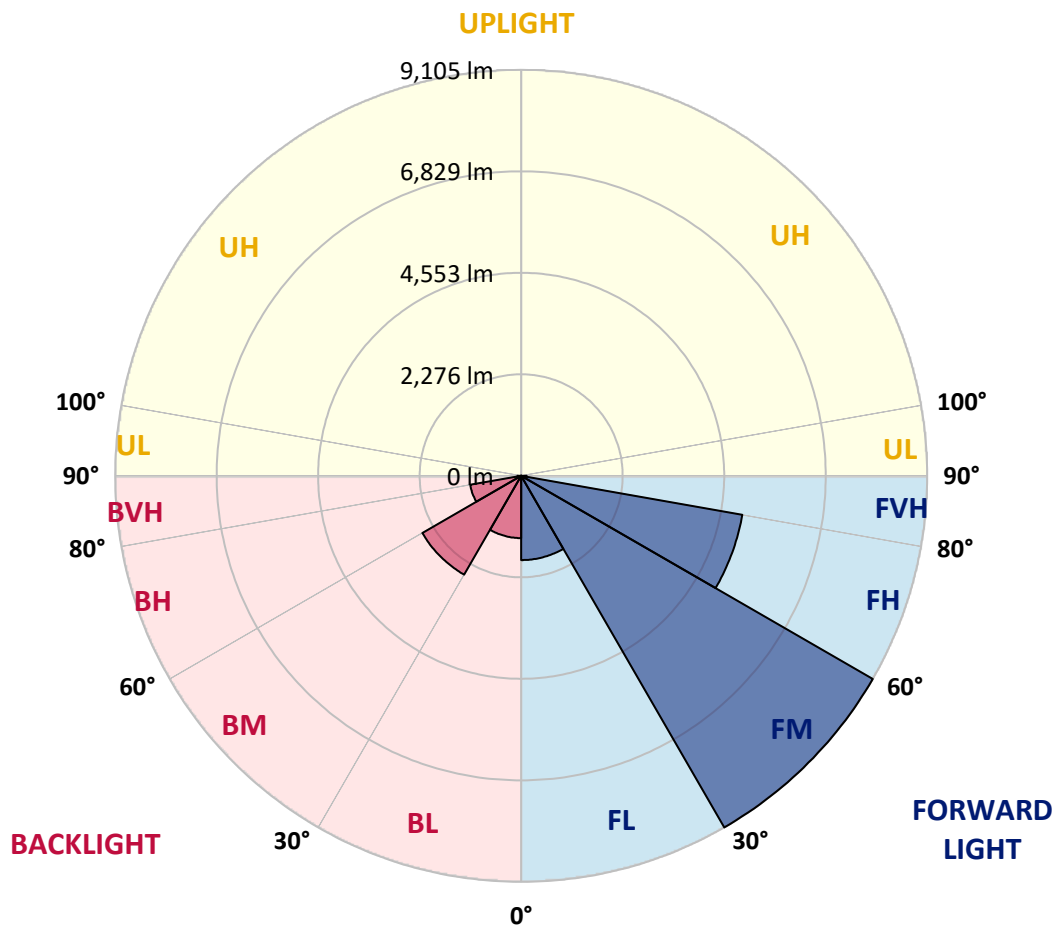
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1889.9	8.9			
FM	(30°-60°)	9105.4	42.6			
FH	(60°-80°)	5035.4	23.6			G3/7500
FVH	(80°-90°)	121.5	0.6			G2/225
BL	(0°-30°)	1397.6	6.5	B3/2500		
BM	(30°-60°)	2559.9	12.0	B3/5000		
BH	(60°-80°)	1160.8	5.4	B3/2500		G3/2500
BVH	(80°-90°)	81.6	0.4			G1/100
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3
2.5°	3489.3	3483.8	3494.8	3511.3	3519.5	3505.8	3500.3	3497.6	3497.6	3489.3	3503.1
5°	3324.5	3321.7	3346.4	3376.7	3434.4	3475.6	3530.5	3563.5	3552.5	3536.0	3547.0
7.5°	3110.2	3104.7	3134.9	3192.6	3272.3	3362.9	3497.6	3602.0	3643.2	3637.7	3634.9
10°	3192.6	3187.1	3184.3	3167.9	3195.3	3283.3	3423.4	3607.5	3747.6	3750.3	3753.1
12.5°	3478.3	3492.1	3478.3	3426.1	3365.7	3332.7	3415.1	3621.2	3835.5	3852.0	3920.7
15°	3868.5	3854.7	3827.3	3766.8	3673.4	3574.5	3514.0	3684.4	3961.9	3975.6	4126.7
17.5°	4211.9	4222.9	4206.4	4148.7	4038.8	3909.7	3725.6	3794.3	4096.5	4135.0	4346.5
20°	4585.6	4629.5	4607.5	4536.1	4445.4	4253.1	4022.3	3953.6	4244.9	4272.3	4574.6
22.5°	5016.9	5063.6	5022.4	4953.7	4879.5	4643.3	4346.5	4148.7	4368.5	4426.2	4794.4
25°	5533.4	5577.4	5538.9	5431.8	5338.4	5049.9	4695.5	4368.5	4489.4	4552.6	4973.0
27.5°	5942.8	5975.8	6011.5	5948.3	5805.4	5506.0	5058.1	4596.6	4610.3	4676.2	5137.8
30°	6308.2	6390.7	6420.9	6429.1	6308.2	5973.0	5429.0	4832.8	4714.7	4783.4	5302.7
32.5°	6808.3	6931.9	6882.5	6931.9	6860.5	6412.6	5813.7	5077.4	4849.3	4912.5	5459.3
35°	7539.1	7638.0	7508.9	7470.4	7355.0	6857.7	6184.6	5330.1	5027.9	5096.6	5607.6
37.5°	8324.9	8437.5	8250.7	8096.9	7877.1	7297.3	6503.3	5662.6	5275.2	5330.1	5745.0
40°	9011.8	9105.2	8943.1	8739.8	8371.6	7684.7	6778.1	5896.1	5522.5	5591.1	5904.4
42.5°	9646.4	9706.9	9525.5	9330.5	8838.7	8033.7	7074.8	6143.4	5810.9	5876.9	6033.5
45°	10289.4	10336.1	10083.3	9805.8	9228.8	8352.4	7401.7	6489.6	6234.1	6322.0	6242.3
47.5°	10404.7	10418.5	10374.5	10187.7	9536.5	8657.3	7805.6	6953.9	6879.7	6975.9	6602.2
50°	9605.2	9728.9	10000.9	10184.9	9660.2	8912.9	8209.5	7618.8	7769.9	7893.5	7349.5
52.5°	8052.9	8171.0	8800.2	9498.1	9363.4	8970.6	8643.6	8462.3	9025.5	9173.9	8366.1
55°	6415.4	6519.8	7184.7	8190.3	8404.6	8706.8	9107.9	9539.3	10627.3	10726.2	9481.6
57.5°	5283.4	5341.1	5816.4	6783.6	7127.0	7863.3	9358.0	10819.6	12256.6	12407.7	10451.5
60°	4332.8	4396.0	4750.4	5547.2	6003.3	6657.2	9160.1	12083.5	14201.8	14201.8	11696.1
62.5°	3261.3	3316.2	3645.9	4269.6	5036.1	5635.1	8528.2	12921.4	15668.9	15603.0	12597.2
65°	2239.2	2283.2	2522.2	2937.1	3626.7	4802.6	7665.5	12932.4	16641.5	16553.6	12981.9
66°	1879.3	1917.7	2121.1	2456.3	3036.0	4357.5	7360.5	12698.9	16844.9	16721.2	12819.8
67.5°	1483.6	1511.1	1645.7	1843.6	2225.5	3527.8	6879.7	12036.8	16825.6	16751.4	12407.7
70°	1060.5	1079.8	1178.7	1219.9	1316.0	2041.4	5464.8	10542.1	15476.6	15498.6	10786.6
72.5°	821.5	851.7	912.2	920.4	898.4	1085.3	3316.2	8794.7	12660.4	12652.2	8006.2
75°	662.1	678.6	708.9	725.3	719.8	700.6	1404.0	6561.0	8715.0	8816.7	4483.9
77.5°	522.0	519.3	546.8	568.7	585.2	549.5	642.9	3846.5	4569.1	4439.9	1684.2
80°	384.6	384.6	423.1	431.4	456.1	461.6	428.6	1483.6	1568.8	1425.9	436.9
82.5°	252.8	252.8	294.0	299.5	324.2	359.9	310.5	445.1	434.1	412.1	197.8
85°	137.4	131.9	145.6	164.8	178.6	211.6	186.8	222.5	228.0	225.3	131.9
87.5°	27.5	24.7	38.5	44.0	49.5	65.9	60.4	90.7	126.4	123.6	57.7
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°	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3	3500.3
2.5°	3522.3	3519.5	3549.8	3585.5	3626.7	3651.4	3662.4	3681.6	3667.9	3673.4	3689.9
5°	3574.5	3582.7	3626.7	3673.4	3692.6	3678.9	3648.7	3637.7	3612.9	3607.5	3602.0
7.5°	3651.4	3665.2	3709.1	3720.1	3662.4	3566.2	3497.6	3459.1	3417.9	3406.9	3401.4
10°	3777.8	3786.0	3797.0	3684.4	3541.5	3412.4	3327.2	3291.5	3264.0	3242.0	3247.5
12.5°	3937.2	3931.7	3846.5	3612.9	3409.6	3277.8	3220.1	3198.1	3178.8	3165.1	3162.4
15°	4137.7	4099.3	3854.7	3514.0	3286.0	3176.1	3134.9	3126.6	3104.7	3104.7	3101.9
17.5°	4341.0	4242.1	3849.2	3409.6	3167.9	3107.4	3082.7	3077.2	3071.7	3068.9	3077.2
20°	4544.3	4368.5	3805.3	3280.5	3085.4	3049.7	3044.2	3047.0	3041.5	3049.7	3044.2
22.5°	4722.9	4450.9	3722.8	3143.1	3027.7	3025.0	3011.2	3016.7	3036.0	3038.7	3047.0
25°	4860.3	4481.2	3602.0	3016.7	2986.5	2981.0	2997.5	3019.5	3036.0	3038.7	3052.5
27.5°	4973.0	4464.7	3450.8	2917.8	2915.1	2945.3	2994.8	3003.0	3005.8	3005.8	2994.8
30°	5058.1	4429.0	3258.5	2807.9	2821.7	2895.9	2942.6	2942.6	2920.6	2915.1	2931.6
32.5°	5077.4	4382.2	3049.7	2695.3	2717.3	2805.2	2862.9	2843.7	2818.9	2818.9	2829.9
35°	5093.8	4319.1	2882.1	2541.4	2574.4	2678.8	2733.8	2695.3	2667.8	2659.6	2656.8
37.5°	5088.4	4294.3	2731.0	2346.4	2390.3	2492.0	2527.7	2492.0	2450.8	2431.5	2456.3
40°	5093.8	4277.8	2541.4	2132.1	2176.0	2236.5	2283.2	2255.7	2217.2	2167.8	2192.5
42.5°	5126.8	4299.8	2332.6	1923.2	1923.2	1956.2	2035.9	2016.7	1923.2	1904.0	1926.0
45°	5302.7	4418.0	2123.8	1714.4	1684.2	1706.2	1788.6	1706.2	1648.5	1648.5	1667.7
47.5°	5728.5	4637.8	1939.7	1530.4	1458.9	1502.9	1524.9	1447.9	1404.0	1393.0	1412.2
50°	6596.7	5077.4	1829.8	1379.2	1291.3	1324.3	1310.6	1307.8	1263.8	1269.3	1280.3
52.5°	7915.5	5934.6	1796.9	1305.1	1195.2	1203.4	1189.7	1195.2	1186.9	1214.4	1222.6
55°	9352.5	6838.5	1838.1	1316.0	1129.2	1071.5	1077.0	1104.5	1137.5	1181.4	1189.7
57.5°	10426.7	7291.8	1945.2	1390.2	1046.8	958.9	972.6	1024.8	1088.0	1123.7	1143.0
60°	11226.2	7236.9	2101.8	1409.5	947.9	857.2	881.9	958.9	1013.8	1044.0	1063.3
62.5°	11487.3	6893.5	2140.3	1269.3	818.8	761.1	821.5	901.2	925.9	958.9	972.6
65°	11273.0	6407.1	1860.1	1030.3	719.8	689.6	777.5	838.0	871.0	887.4	890.2
66°	11020.2	6115.9	1708.9	936.9	684.1	667.6	761.1	810.5	843.5	840.7	843.5
67.5°	10465.2	5506.0	1464.4	805.0	631.9	634.7	733.6	766.5	777.5	769.3	769.3
70°	8577.7	3876.7	1049.5	609.9	555.0	593.5	659.4	667.6	692.4	681.4	681.4
72.5°	5288.9	1904.0	703.4	467.1	494.5	555.0	552.2	579.7	637.4	653.9	664.9
75°	2599.1	772.0	464.3	395.6	442.3	464.3	458.8	527.5	609.9	681.4	706.1
77.5°	986.3	384.6	324.2	346.2	357.2	348.9	365.4	478.1	609.9	739.1	763.8
80°	305.0	266.5	255.5	285.7	269.3	255.5	274.7	395.6	516.5	560.5	560.5
82.5°	184.1	208.8	197.8	195.1	181.3	184.1	197.8	283.0	398.4	417.6	417.6
85°	129.1	137.4	112.6	107.2	104.4	101.7	101.7	164.8	236.3	233.5	241.8
87.5°	49.5	54.9	41.2	41.2	38.5	27.5	22.0	27.5	27.5	19.2	13.7
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)