

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: P1211159

Luminaire Tested: **ARCH4-190-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-190-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1530mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25216 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 190
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

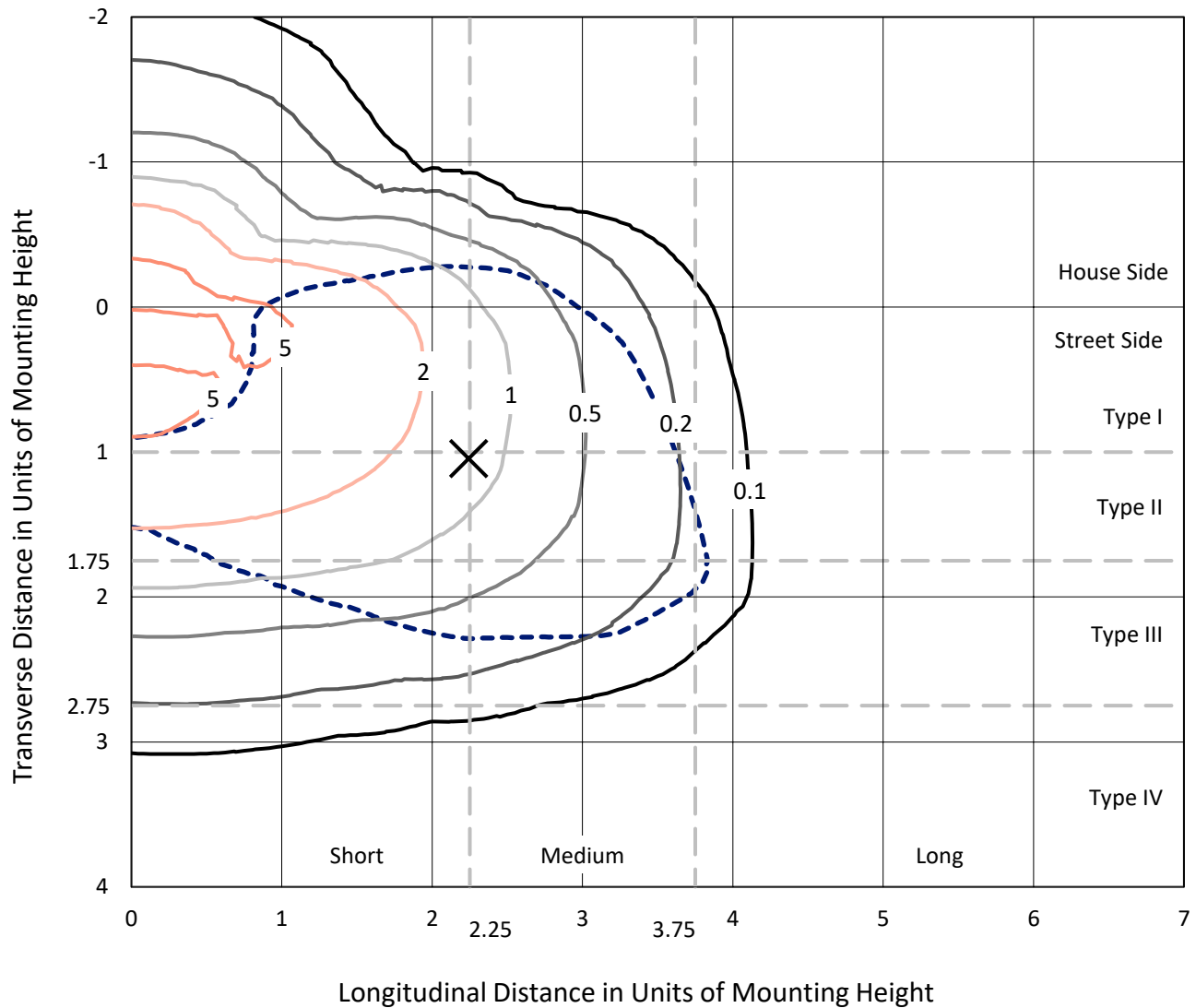


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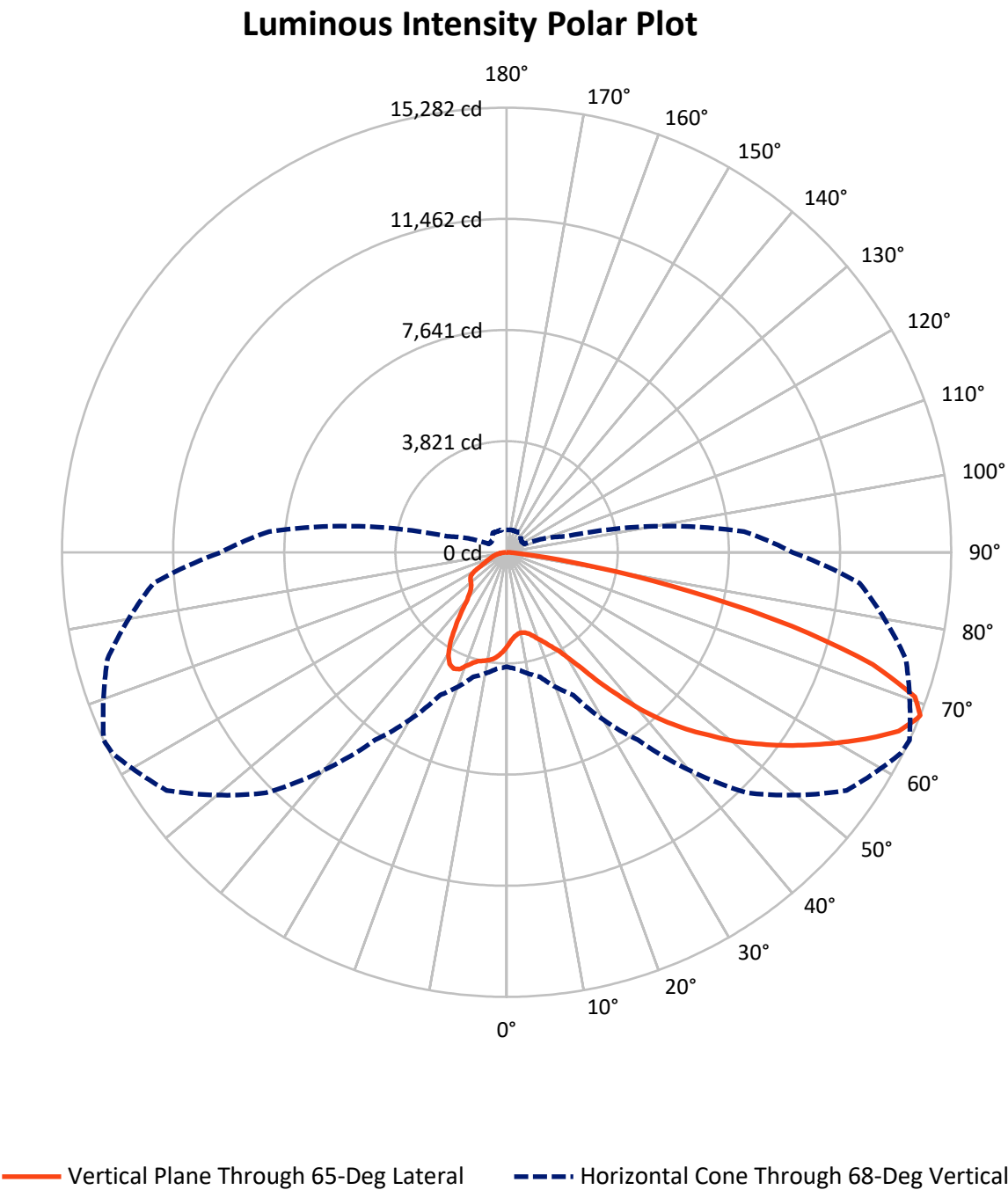
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type III - Short - N/A

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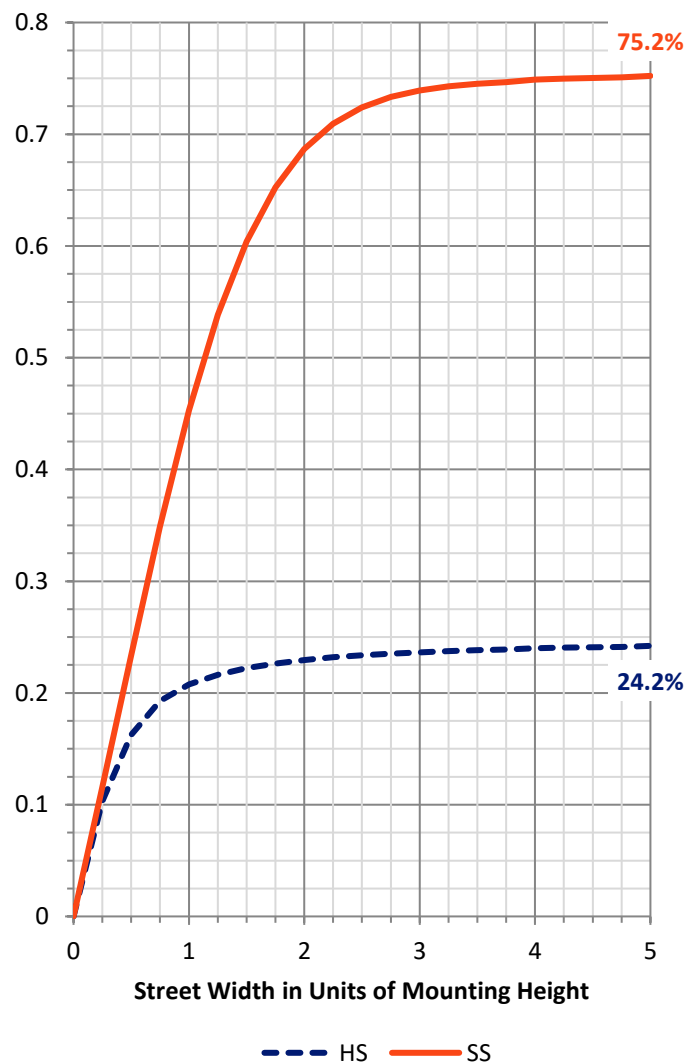
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6182.2	0.0	6182.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	19033.8	0.0	19033.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	25216.0	0.0	25216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.0	1.2
10°-20°	1002.7	4.0
20°-30°	1814.8	7.2
30°-40°	2854.9	11.3
40°-50°	4252.0	16.9
50°-60°	5577.8	22.1
60°-70°	6099.7	24.2
70°-80°	3018.3	12.0
80°-90°	287.9	1.1
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°	25216.0	100.0
0°-180°	25216.0	100.0

Coefficient of Utilization



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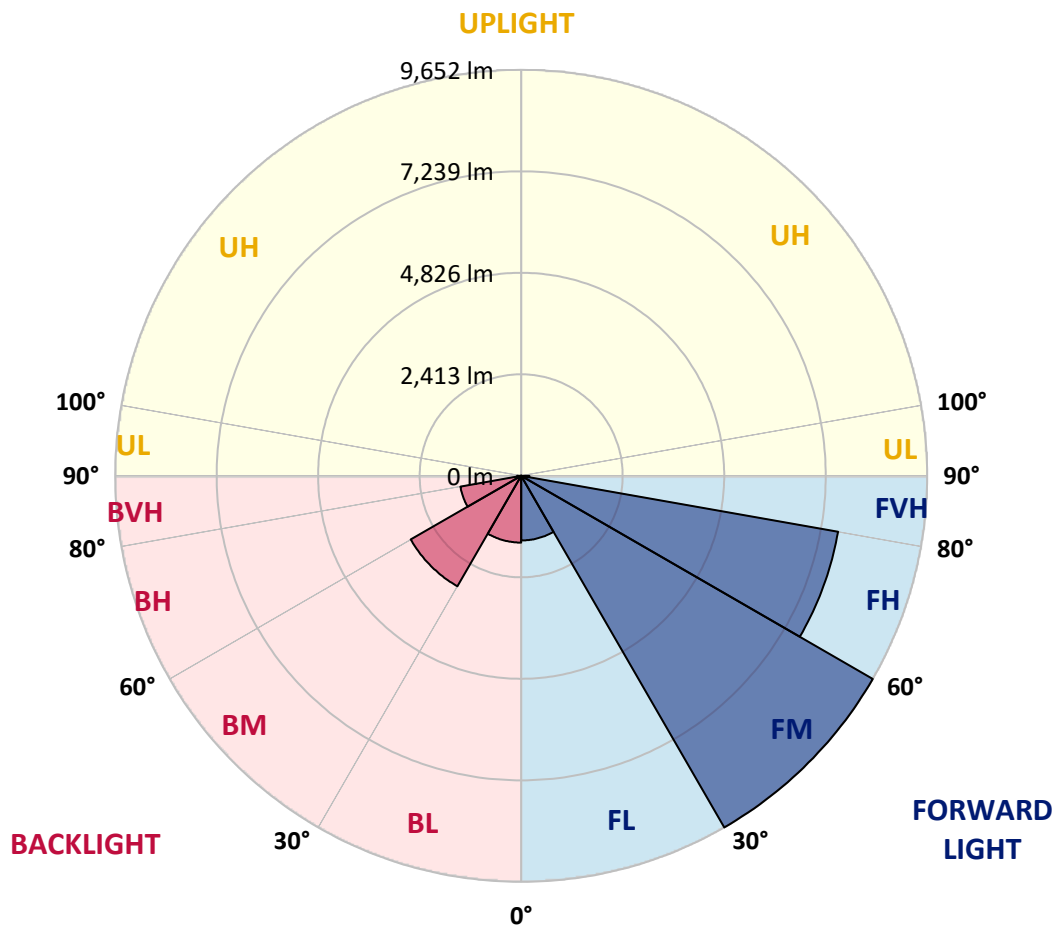
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1537.2	6.1			
FM	(30°-60°)	9652.3	38.3			
FH	(60°-80°)	7650.6	30.3			G4/12000
FVH	(80°-90°)	193.6	0.8			G2/225
BL	(0°-30°)	1588.3	6.3	B3/2500		
BM	(30°-60°)	3032.3	12.0	B3/5000		
BH	(60°-80°)	1467.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	94.3	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3
2.5°	2812.6	2806.1	2822.4	2838.6	2874.4	2916.7	2975.2	3024.0	3030.5	3121.5	3193.0
5°	2646.8	2637.0	2653.3	2672.8	2689.0	2741.1	2802.8	2874.4	2903.6	3037.0	3189.8
7.5°	2663.0	2659.8	2666.3	2659.8	2659.8	2682.5	2724.8	2796.3	2828.9	2988.2	3206.0
10°	2757.3	2763.8	2767.1	2747.6	2728.1	2718.3	2731.3	2780.1	2802.8	2991.4	3277.6
12.5°	2913.4	2923.2	2926.4	2890.6	2864.6	2822.4	2799.6	2819.1	2835.4	3024.0	3378.4
15°	3124.8	3131.3	3108.5	3085.7	3020.7	2968.7	2913.4	2897.1	2903.6	3092.2	3492.2
17.5°	3371.9	3362.1	3362.1	3306.8	3222.3	3141.0	3050.0	3037.0	3037.0	3202.8	3654.8
20°	3641.7	3651.5	3622.2	3547.5	3462.9	3336.1	3245.1	3186.5	3193.0	3329.6	3853.1
22.5°	4031.9	4048.2	3970.2	3862.9	3732.8	3586.5	3456.4	3362.1	3365.4	3495.4	4057.9
25°	4451.4	4457.9	4409.1	4266.0	4090.5	3882.4	3710.0	3589.7	3586.5	3680.8	4321.3
27.5°	4880.6	4909.9	4812.3	4675.7	4513.2	4253.0	4025.4	3862.9	3836.8	3963.7	4649.7
30°	5322.8	5358.6	5264.3	5131.0	4929.4	4708.3	4438.4	4249.8	4233.5	4402.6	5088.7
32.5°	5768.3	5778.0	5703.2	5592.7	5410.6	5202.5	4984.6	4776.5	4760.3	5036.7	5657.7
35°	6132.4	6161.7	6109.7	6083.7	5950.4	5758.5	5547.2	5426.9	5469.1	5823.5	6395.8
37.5°	6571.4	6600.7	6542.1	6535.6	6493.4	6327.5	6181.2	6191.0	6233.2	6714.5	7172.9
40°	7205.5	7238.0	7088.4	7023.4	7023.4	6860.8	6812.0	7042.9	7098.2	7592.4	7982.6
42.5°	7742.0	7794.0	7706.2	7663.9	7537.1	7423.3	7481.8	7807.0	7901.3	8431.3	8688.2
45°	8002.1	8041.1	8145.2	8268.7	8145.2	7946.8	8167.9	8535.4	8668.7	9205.2	9393.8
47.5°	8141.9	8177.7	8298.0	8629.6	8714.2	8548.4	8860.5	9319.0	9410.0	9972.5	10066.8
50°	8161.4	8275.2	8431.3	8763.0	9149.9	9172.7	9556.3	10115.6	10222.9	10726.9	10658.6
52.5°	8002.1	8047.6	8369.5	8928.8	9358.0	9748.2	10314.0	10879.7	10957.8	11435.7	11182.1
55°	7742.0	7807.0	8128.9	8889.8	9559.6	10294.4	11084.6	11630.8	11718.6	12125.1	11666.6
57.5°	7507.9	7540.4	7885.0	8776.0	9761.2	10840.7	11770.7	12414.5	12473.0	12729.9	12024.3
60°	7247.7	7283.5	7628.2	8532.1	9910.8	11253.7	12486.0	13204.6	13256.6	13367.2	12440.5
62.5°	6574.7	6669.0	7101.4	8128.9	9871.7	11725.1	13250.1	13985.0	14050.0	13929.7	12768.9
65°	5339.1	5472.4	6002.4	7215.2	9507.6	12030.8	13874.4	14703.6	14814.1	14352.4	12856.7
67.5°	4145.7	4240.0	4666.0	5726.0	8229.7	11878.0	14277.6	15197.8	15230.3	14284.1	12368.9
68°	3931.1	4025.4	4431.9	5413.9	7875.3	11695.9	14267.9	15210.8	15282.3	14209.3	12180.4
70°	3007.7	3115.0	3501.9	4288.8	6347.0	10538.3	13672.8	14898.7	14888.9	13305.4	11009.8
72.5°	1879.4	1941.2	2207.8	2705.3	4197.8	8018.4	11604.8	13139.6	13165.6	10847.2	8444.3
75°	1193.3	1193.3	1180.3	1310.4	2152.5	4568.4	8626.4	10115.6	10135.1	7595.6	5322.8
77.5°	1037.2	1008.0	868.2	734.9	858.4	1775.4	5105.0	6532.4	6425.1	4090.5	2526.5
80°	874.7	825.9	712.1	591.8	552.8	556.0	1960.7	3316.6	3173.5	1473.0	838.9
82.5°	630.8	588.5	536.5	465.0	426.0	331.7	409.7	959.2	936.4	426.0	273.1
85°	341.4	308.9	302.4	305.6	256.9	204.8	172.3	211.4	211.4	185.3	156.1
87.5°	120.3	87.8	104.0	117.1	100.8	84.5	68.3	81.3	84.5	81.3	74.8
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°	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3	3222.3
2.5°	3235.3	3267.8	3345.9	3414.1	3462.9	3505.2	3527.9	3537.7	3560.5	3563.7	3557.2
5°	3261.3	3345.9	3462.9	3563.7	3619.0	3641.7	3648.3	3651.5	3641.7	3648.3	3641.7
7.5°	3329.6	3436.9	3602.7	3690.5	3700.3	3664.5	3667.8	3654.8	3667.8	3680.8	3680.8
10°	3433.6	3570.2	3726.3	3758.8	3716.5	3697.0	3736.0	3814.1	3840.1	3875.9	3875.9
12.5°	3570.2	3732.8	3843.3	3814.1	3775.1	3840.1	3953.9	4031.9	4057.9	4071.0	4061.2
15°	3726.3	3901.9	3957.2	3859.6	3931.1	4071.0	4110.0	4064.5	3999.4	3970.2	3986.4
17.5°	3924.6	4071.0	4038.4	3973.4	4136.0	4155.5	4028.7	3882.4	3778.3	3739.3	3765.3
20°	4132.7	4259.5	4110.0	4139.2	4240.0	4031.9	3791.3	3602.7	3511.7	3495.4	3521.4
22.5°	4353.8	4435.1	4181.5	4331.1	4181.5	3758.8	3469.4	3371.9	3349.1	3375.1	3397.9
25°	4604.2	4594.5	4305.1	4389.6	3963.7	3423.9	3251.6	3245.1	3245.1	3261.3	3293.8
27.5°	4887.1	4734.3	4428.6	4311.6	3586.5	3147.5	3115.0	3118.2	3108.5	3111.7	3128.0
30°	5215.5	4922.9	4565.2	4054.7	3163.8	2939.4	2926.4	2916.7	2893.9	2887.4	2893.9
32.5°	5628.5	5121.2	4705.0	3632.0	2793.1	2724.8	2718.3	2666.3	2611.0	2604.5	2627.3
35°	6152.0	5482.1	4776.5	3102.0	2487.4	2484.2	2461.4	2380.1	2308.6	2308.6	2292.4
37.5°	6750.2	5947.1	4805.8	2585.0	2233.8	2250.1	2185.0	2081.0	2025.7	1993.2	2003.0
40°	7361.5	6477.1	4802.6	2133.0	2012.7	2016.0	1967.2	1840.4	1703.8	1622.5	1642.0
42.5°	7950.1	6958.3	4718.0	1892.4	1833.9	1824.1	1785.1	1612.8	1499.0	1433.9	1437.2
45°	8421.5	7455.8	4588.0	1749.3	1671.3	1687.6	1599.8	1495.7	1391.7	1333.1	1329.9
47.5°	8893.0	7833.0	4379.9	1661.5	1551.0	1521.7	1486.0	1414.4	1336.4	1271.4	1274.6
50°	9322.2	8154.9	4184.8	1603.0	1440.4	1365.7	1372.2	1329.9	1261.6	1203.1	1199.8
52.5°	9624.6	8366.3	4077.5	1570.5	1307.1	1225.8	1248.6	1225.8	1160.8	1118.5	1115.3
55°	9927.0	8528.8	4113.2	1528.2	1160.8	1095.8	1134.8	1128.3	1092.5	1079.5	1082.8
57.5°	10170.9	8652.4	4240.0	1450.2	1021.0	982.0	1047.0	1027.5	1001.5	1004.7	1004.7
60°	10408.3	8811.7	4389.6	1271.4	900.7	903.9	965.7	929.9	913.7	943.0	946.2
62.5°	10655.4	8984.1	4266.0	1011.2	796.6	819.4	890.9	861.7	868.2	910.4	923.4
65°	10626.1	8967.8	3475.9	829.1	705.6	751.1	858.4	848.7	851.9	868.2	874.7
67.5°	10027.8	8395.5	2389.9	705.6	640.6	695.8	832.4	793.4	796.6	786.9	790.1
68°	9826.2	8193.9	2107.0	686.1	627.6	682.8	819.4	783.6	786.9	777.1	773.9
70°	8727.2	7016.9	1333.1	604.8	582.0	647.1	754.4	741.4	738.1	731.6	731.6
72.5°	6652.7	5179.7	702.3	523.5	530.0	591.8	673.1	699.1	682.8	686.1	705.6
75°	4405.9	3115.0	487.7	448.7	465.0	507.2	598.3	650.3	634.1	643.8	634.1
77.5°	2331.4	1677.8	390.2	380.4	380.4	409.7	494.2	575.5	575.5	569.0	559.3
80°	764.1	591.8	312.1	299.1	305.6	321.9	396.7	471.5	481.2	468.2	461.7
82.5°	256.9	273.1	234.1	217.9	224.4	237.4	299.1	360.9	364.2	338.2	331.7
85°	159.3	182.1	146.3	143.1	143.1	146.3	182.1	198.3	182.1	162.6	169.1
87.5°	74.8	91.0	68.3	58.5	48.8	42.3	32.5	13.0	13.0	6.5	6.5
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)