

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: P1210972

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

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
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-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1080mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15304 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

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



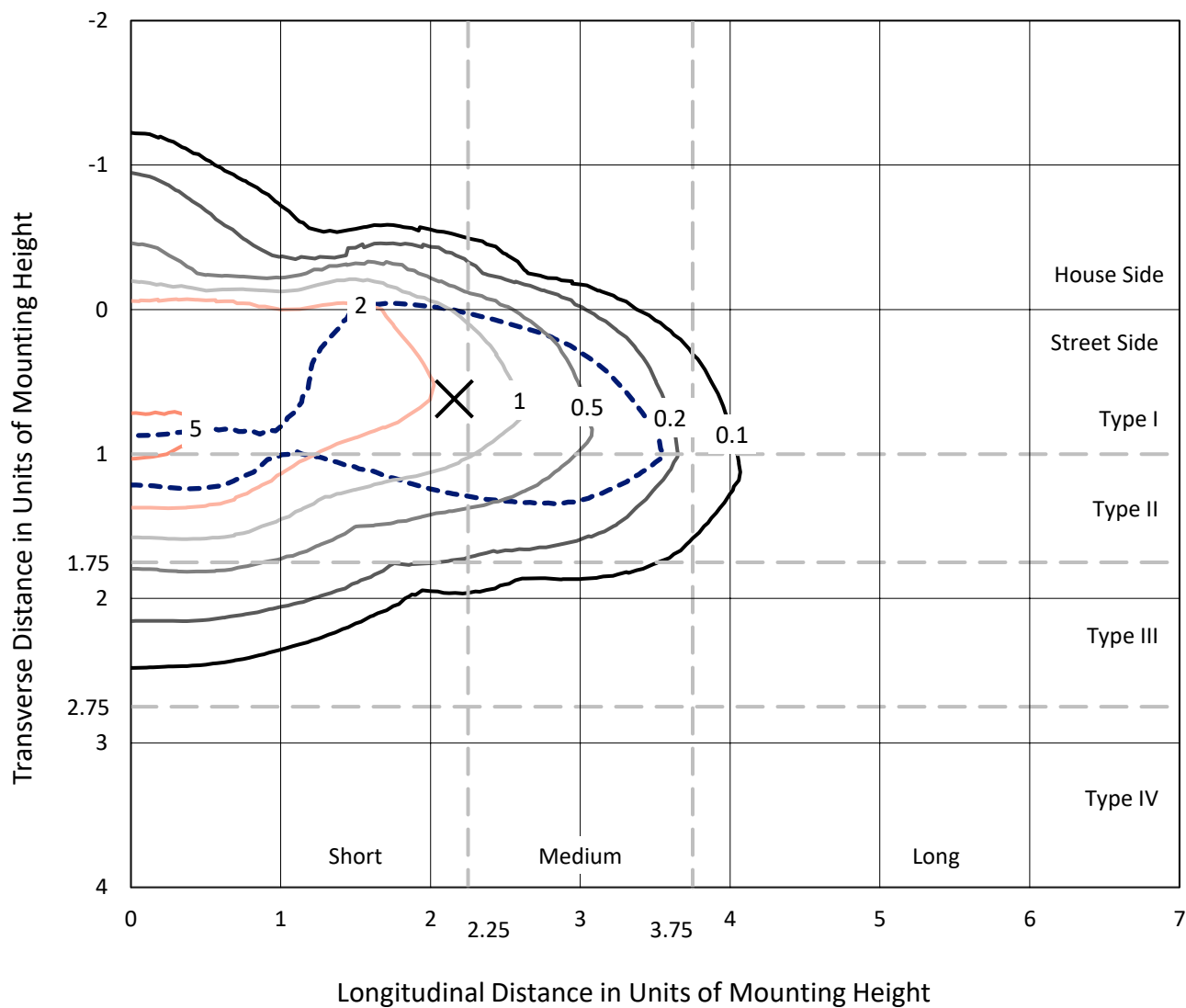
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Iso-Footcandle Lines of Horizontal Illumination

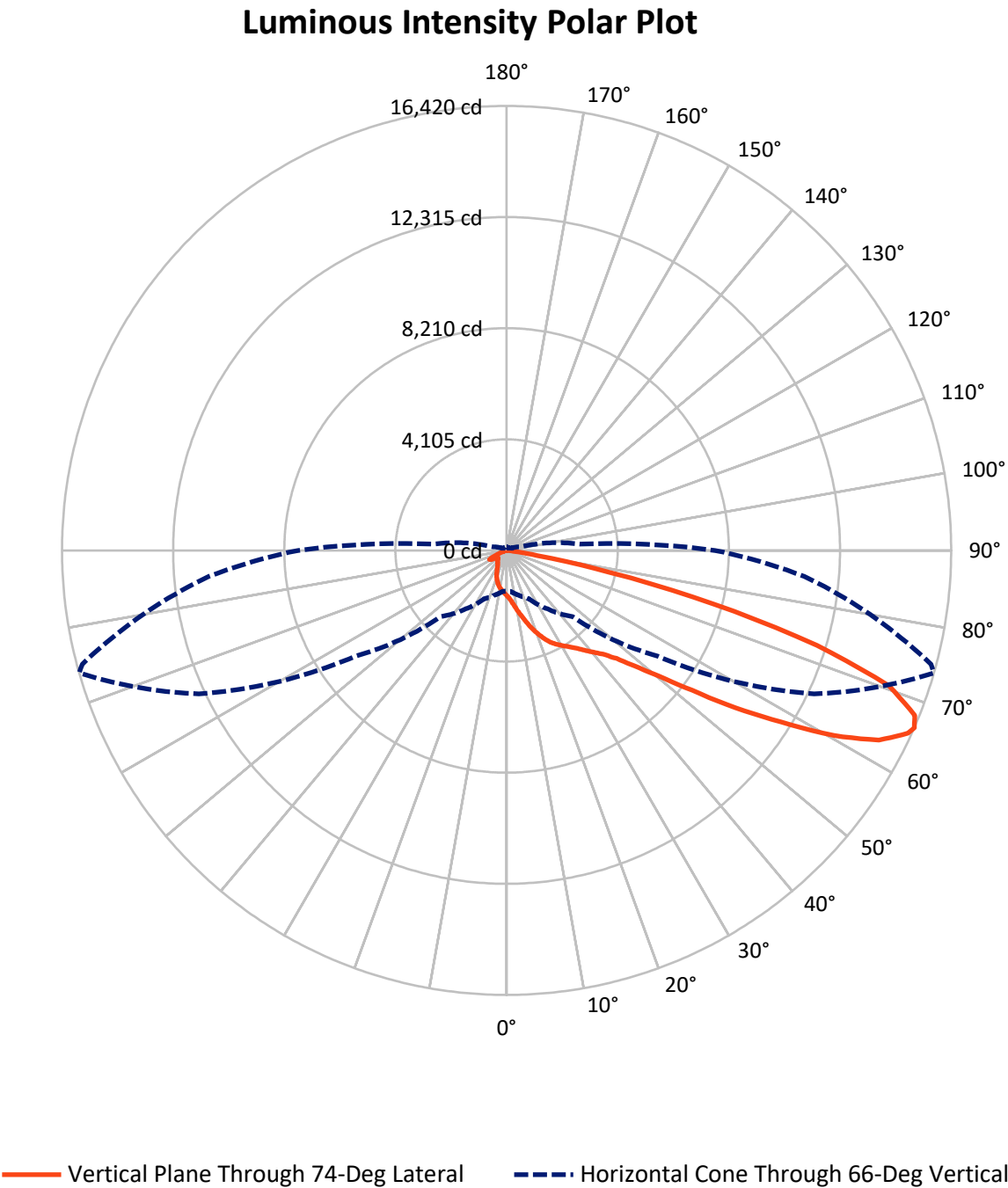
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
Type II - Short - N/A

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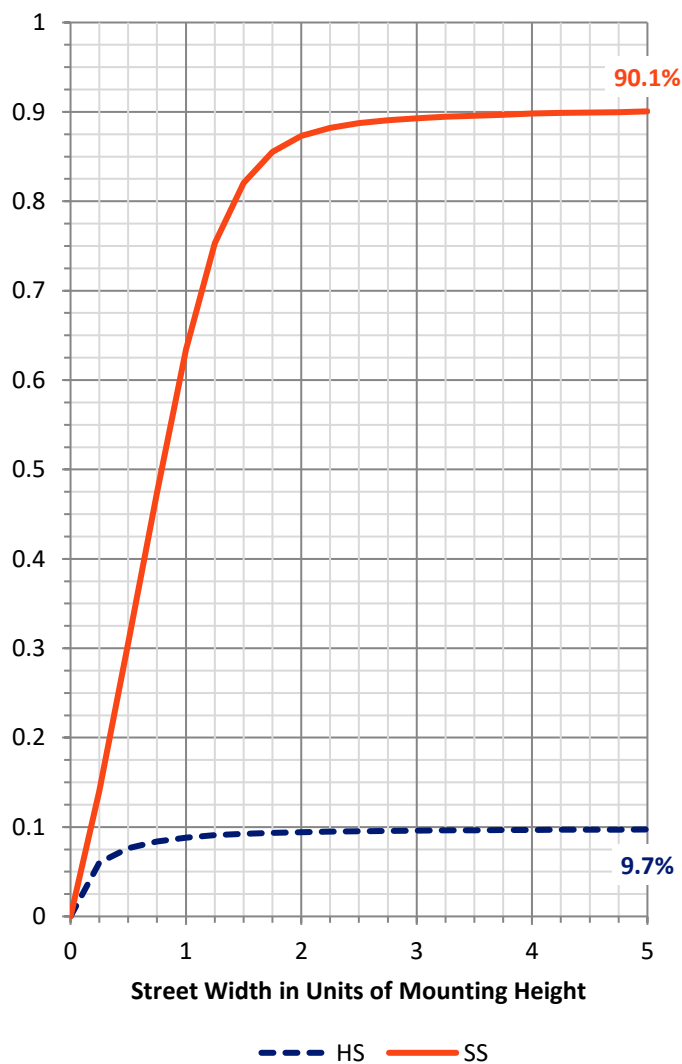
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1500.3	0.0	1500.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	13803.7	0.0	13803.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	15304.0	0.0	15304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.1	1.1
10°-20°	522.7	3.4
20°-30°	997.6	6.5
30°-40°	1748.6	11.4
40°-50°	2998.3	19.6
50°-60°	3899.6	25.5
60°-70°	3530.1	23.1
70°-80°	1362.1	8.9
80°-90°	82.0	0.5
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°	15304.0	100.0
0°-180°	15304.0	100.0

Coefficient of Utilization



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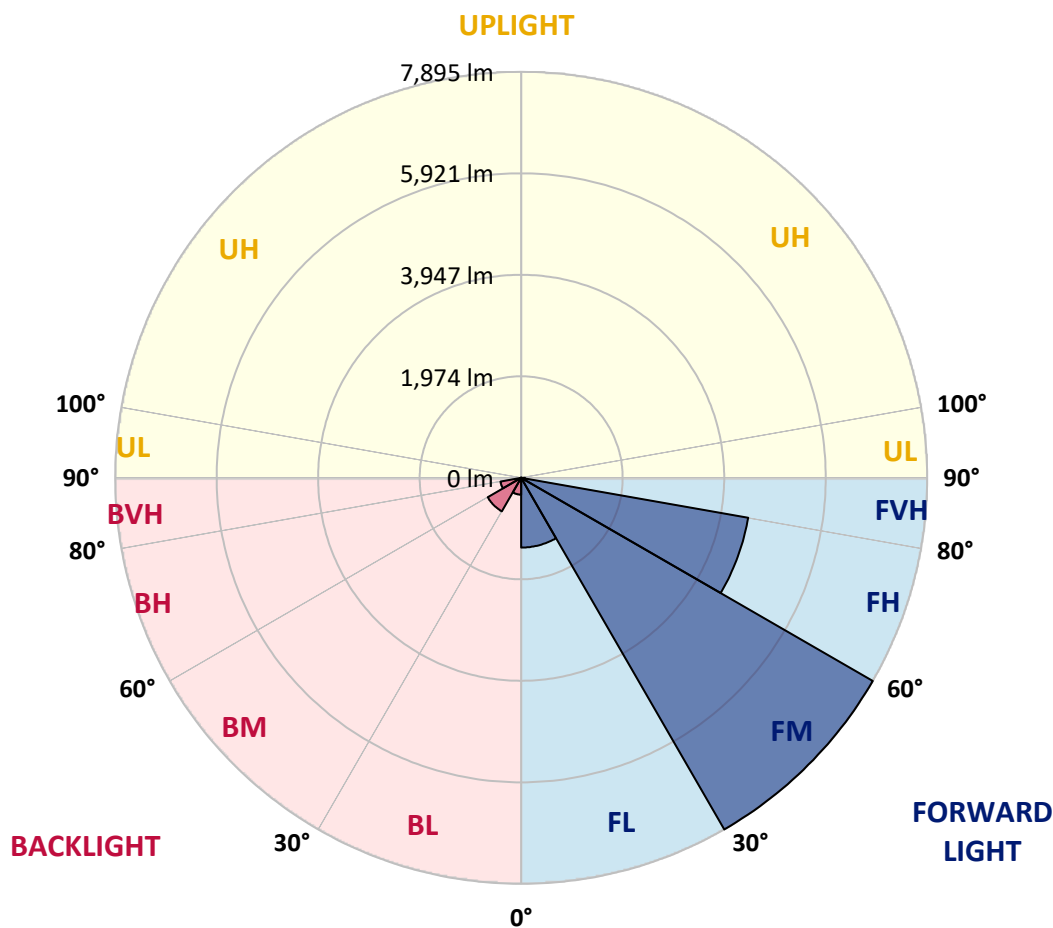
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1356.2	8.9			
FM	(30°-60°)	7894.6	51.6			
FH	(60°-80°)	4482.0	29.3			G2/5000
FVH	(80°-90°)	71.0	0.5			G1/100
BL	(0°-30°)	327.3	2.1	B1/500		
BM	(30°-60°)	751.9	4.9	B1/1000		
BH	(60°-80°)	410.2	2.7	B1/500		G1/500
BVH	(80°-90°)	11.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6
2.5°	2005.8	1989.3	1959.1	1956.3	1931.6	1901.4	1849.2	1794.2	1755.7	1750.2	1703.5
5°	2401.4	2393.2	2363.0	2343.7	2297.0	2225.6	2104.7	1983.8	1882.1	1871.1	1766.7
7.5°	2505.8	2511.3	2516.8	2536.1	2519.6	2486.6	2395.9	2225.6	2066.2	2041.5	1860.2
10°	2522.3	2516.8	2516.8	2541.6	2588.3	2635.0	2624.0	2478.4	2272.3	2242.1	1989.3
12.5°	2700.9	2709.2	2689.9	2678.9	2670.7	2695.4	2777.9	2714.7	2489.4	2464.6	2145.9
15°	2931.7	2929.0	2901.5	2901.5	2876.8	2835.6	2887.8	2934.5	2750.4	2720.2	2324.5
17.5°	3099.3	3110.3	3107.6	3124.1	3115.8	3060.9	3033.4	3129.6	3019.7	2981.2	2527.8
20°	3234.0	3264.2	3275.2	3327.4	3352.1	3313.7	3242.2	3302.7	3277.9	3242.2	2733.9
22.5°	3376.8	3401.6	3420.8	3511.5	3580.2	3571.9	3481.3	3467.5	3528.0	3495.0	2937.2
25°	3519.7	3530.7	3588.4	3698.3	3808.2	3835.7	3742.3	3635.1	3753.3	3723.0	3118.6
27.5°	3676.3	3681.8	3750.5	3885.2	4039.0	4096.7	4022.5	3824.7	3926.4	3926.4	3283.4
30°	3962.1	4017.0	4044.5	4165.4	4300.1	4379.7	4291.8	4025.3	4080.2	4105.0	3456.5
32.5°	4577.6	4585.8	4577.6	4629.8	4657.2	4704.0	4602.3	4250.6	4236.9	4264.3	3626.9
35°	5517.3	5484.3	5396.4	5319.4	5160.1	5072.1	4940.3	4539.1	4429.2	4467.7	3794.5
37.5°	6657.5	6610.8	6410.2	6173.9	5833.2	5481.5	5316.7	4890.8	4673.7	4723.2	3975.8
40°	7745.6	7715.4	7476.3	7185.1	6602.6	6000.8	5651.9	5187.5	4945.7	4965.0	4159.9
42.5°	8641.3	8635.8	8435.2	8130.3	7382.9	6561.4	6047.6	5478.8	5231.5	5261.7	4352.3
45°	9320.0	9267.8	9119.4	8899.6	8138.5	7143.9	6525.6	5921.2	5690.4	5726.1	4640.8
47.5°	9320.0	9328.2	9424.4	9402.4	8666.1	7690.6	7047.7	6478.9	6369.0	6402.0	5116.1
50°	8561.6	8638.6	9067.2	9427.1	8940.8	8116.5	7611.0	7176.8	7289.5	7338.9	5945.9
52.5°	7061.4	7190.6	7935.2	8756.7	8737.5	8330.8	8193.5	8064.3	8569.9	8657.8	7171.3
55°	5366.1	5451.3	6421.2	7501.1	7852.7	8155.0	8701.8	9190.8	10265.2	10245.9	8416.0
57.5°	4008.8	4088.5	4923.8	6121.7	6586.1	7393.9	8962.8	10479.5	11946.7	12020.9	9583.8
60°	2948.2	3008.7	3720.3	4704.0	5374.4	6228.9	8858.4	11748.9	13883.8	13798.6	10614.1
62.5°	2181.6	2214.6	2728.4	3368.6	4258.8	5074.9	8201.7	12617.2	15430.7	15257.6	11188.4
65°	1687.0	1698.0	1964.6	2305.3	3096.6	3945.6	7223.5	12749.0	16285.3	16101.2	11177.4
66°	1503.0	1511.2	1706.3	1970.1	2635.0	3453.8	6794.9	12537.5	16419.9	16224.8	11040.0
67.5°	1261.2	1255.7	1371.1	1544.2	1978.3	2665.2	6033.8	11919.3	16260.5	16161.6	10600.4
70°	934.2	936.9	994.6	1035.9	1156.8	1475.5	4357.8	10339.4	14985.6	14980.1	9394.2
72.5°	692.4	700.6	744.6	752.9	722.6	799.6	2511.3	8223.7	11987.9	11990.7	7023.0
75°	519.3	533.0	546.8	552.3	524.8	505.6	1134.8	5533.7	7885.7	7828.0	3975.8
77.5°	395.7	401.2	412.1	403.9	398.4	349.0	472.6	2698.2	3893.4	3547.2	1288.6
80°	288.5	288.5	299.5	288.5	285.8	250.0	258.3	865.5	1143.0	950.7	277.5
82.5°	181.3	178.6	186.8	184.1	178.6	159.4	151.1	241.8	263.8	236.3	134.6
85°	101.7	98.9	96.2	93.4	85.2	71.4	82.4	90.7	120.9	123.6	96.2
87.5°	35.7	35.7	33.0	30.2	24.7	24.7	30.2	30.2	44.0	44.0	49.5
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°	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6	1670.6
2.5°	1681.6	1651.3	1607.4	1549.7	1508.5	1467.2	1423.3	1398.5	1362.8	1354.6	1365.6
5°	1711.8	1656.8	1546.9	1426.0	1321.6	1228.2	1140.3	1088.1	1035.9	1016.6	1024.9
7.5°	1775.0	1681.6	1494.7	1299.6	1126.5	986.4	882.0	821.5	774.8	755.6	761.1
10°	1868.4	1725.5	1445.3	1156.8	934.2	785.8	697.9	659.4	632.0	621.0	623.7
12.5°	1981.0	1788.7	1382.1	1013.9	769.3	640.2	599.0	590.7	585.2	579.8	582.5
15°	2107.4	1843.7	1307.9	873.7	640.2	568.8	555.0	552.3	549.5	549.5	549.5
17.5°	2239.3	1893.1	1225.4	741.9	557.8	524.8	516.6	516.6	516.6	519.3	519.3
20°	2363.0	1931.6	1129.3	623.7	511.1	483.6	478.1	478.1	480.8	483.6	483.6
22.5°	2483.9	1948.1	1016.6	541.3	472.6	447.9	439.6	439.6	439.6	442.4	442.4
25°	2588.3	1948.1	904.0	489.1	439.6	414.9	403.9	401.2	403.9	403.9	403.9
27.5°	2676.2	1939.8	794.1	453.4	406.7	381.9	370.9	368.2	373.7	376.4	376.4
30°	2769.6	1928.8	706.1	420.4	379.2	354.4	343.5	343.5	351.7	362.7	362.7
32.5°	2860.3	1937.1	637.5	392.9	351.7	332.5	321.5	324.2	340.7	357.2	357.2
35°	2956.5	1953.6	596.2	373.7	332.5	313.2	305.0	313.2	329.7	346.2	346.2
37.5°	3052.6	1972.8	571.5	357.2	316.0	296.7	291.2	302.2	321.5	338.0	340.7
40°	3154.3	1989.3	544.0	340.7	305.0	283.0	280.3	291.2	316.0	332.5	335.2
42.5°	3280.7	2022.3	511.1	327.0	294.0	266.5	269.3	277.5	302.2	327.0	329.7
45°	3528.0	2126.7	478.1	313.2	280.3	258.3	252.8	258.3	285.8	313.2	318.7
47.5°	3992.3	2363.0	442.4	299.5	266.5	252.8	230.8	236.3	261.0	291.2	294.0
50°	4882.6	2865.8	423.1	285.8	255.5	233.5	208.8	208.8	228.1	255.5	255.5
52.5°	6270.1	3767.0	434.1	274.8	241.8	214.3	189.6	186.8	197.8	217.1	217.1
55°	7767.6	4756.2	475.3	263.8	225.3	203.3	175.8	162.1	170.4	181.3	181.3
57.5°	8954.6	5253.5	588.0	258.3	206.1	195.1	159.4	140.1	148.4	159.4	159.4
60°	9476.6	4962.2	714.4	263.8	192.3	181.3	142.9	123.6	137.4	148.4	151.1
62.5°	9053.5	4085.7	766.6	250.0	173.1	162.1	140.1	115.4	131.9	140.1	142.9
65°	8138.5	3104.8	599.0	217.1	159.4	140.1	126.4	109.9	123.6	131.9	131.9
66°	7704.4	2706.4	511.1	200.6	153.9	131.9	120.9	109.9	120.9	126.4	129.1
67.5°	7031.2	2134.9	379.2	175.8	142.9	120.9	112.7	104.4	115.4	120.9	120.9
70°	5498.0	1272.2	228.1	137.4	123.6	107.2	101.7	96.2	104.4	107.2	107.2
72.5°	3442.8	604.5	145.6	101.7	104.4	101.7	85.2	90.7	93.4	96.2	96.2
75°	1667.8	239.0	98.9	74.2	85.2	96.2	68.7	79.7	82.4	87.9	85.2
77.5°	464.4	115.4	63.2	55.0	74.2	74.2	52.2	63.2	74.2	93.4	85.2
80°	134.6	74.2	41.2	41.2	52.2	52.2	35.7	44.0	49.5	55.0	57.7
82.5°	93.4	49.5	27.5	30.2	30.2	33.0	22.0	22.0	27.5	27.5	30.2
85°	74.2	22.0	16.5	19.2	13.7	16.5	11.0	11.0	13.7	11.0	11.0
87.5°	30.2	11.0	11.0	11.0	8.2	8.2	5.5	2.7	2.7	2.7	2.7
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)