

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: P1211387

Luminaire Tested: **ARCH4-260-727-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211387
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: ARCH4-260-727-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35284 lumens
Efficiency: N/A
Efficacy: 136.1 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): 259.2
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

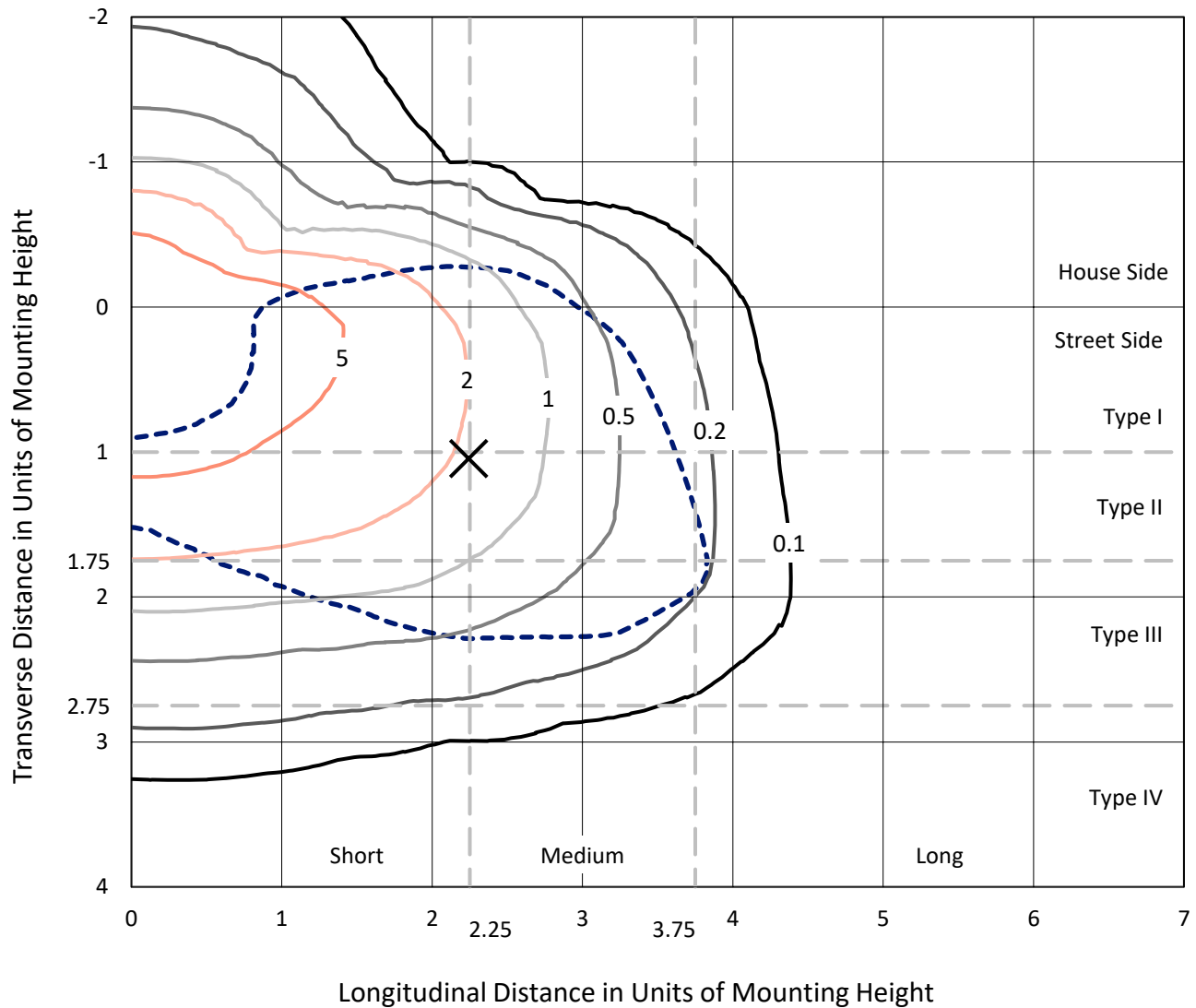


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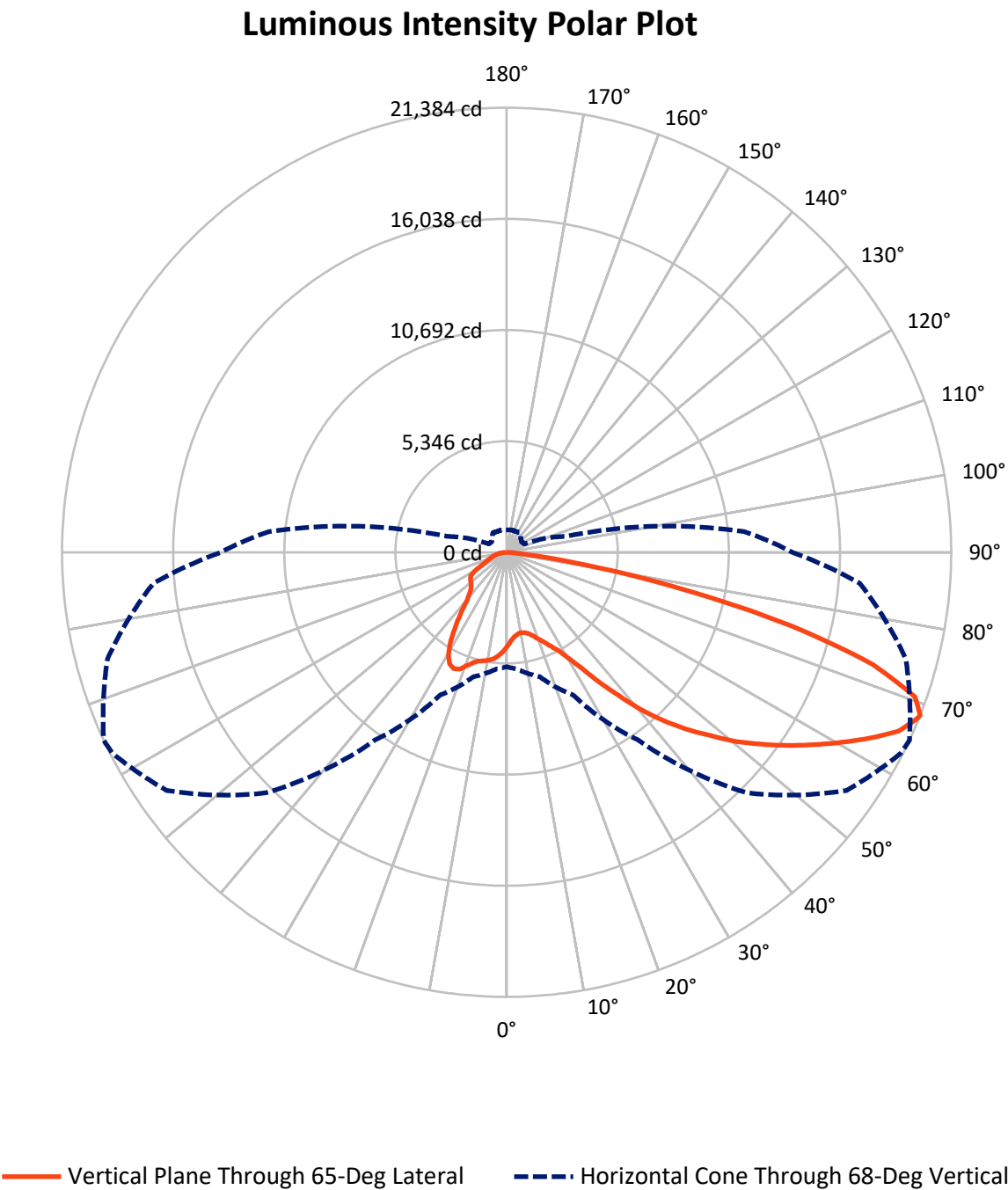
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type III - Short - N/A

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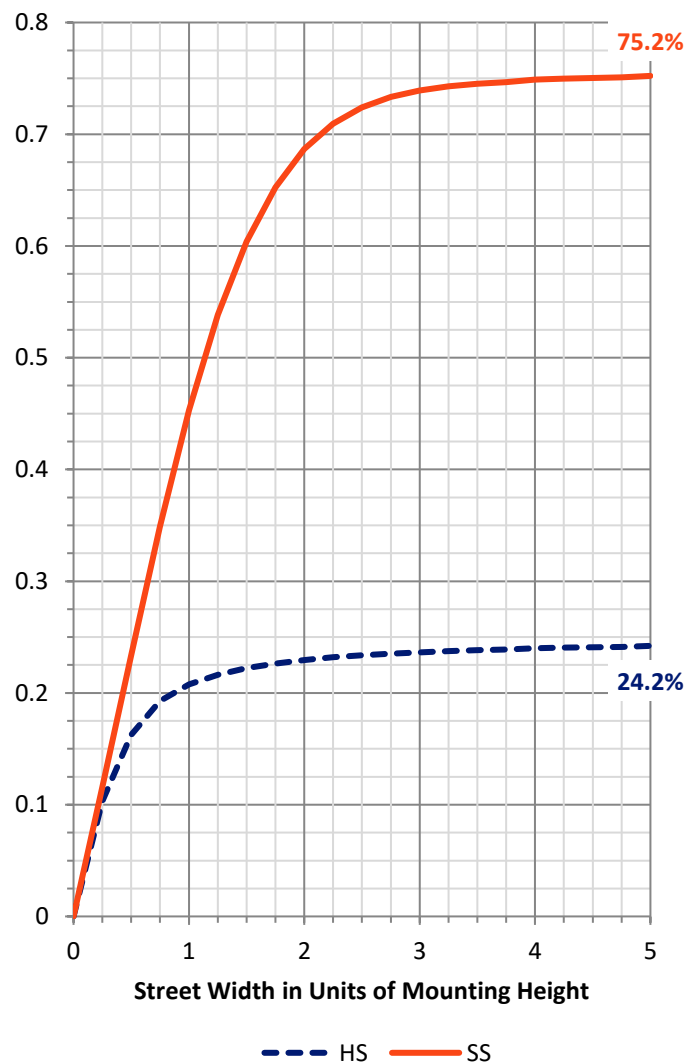
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8650.6	0.0	8650.6
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	26633.4	0.0	26633.4
	% Fixture	75.5	0.0	75.5
Total	Lumens	35284.0	0.0	35284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.9	1.2
10°-20°	1403.0	4.0
20°-30°	2539.4	7.2
30°-40°	3994.7	11.3
40°-50°	5949.7	16.9
50°-60°	7804.8	22.1
60°-70°	8535.1	24.2
70°-80°	4223.4	12.0
80°-90°	402.9	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°	35284.0	100.0
0°-180°	35284.0	100.0

Coefficient of Utilization



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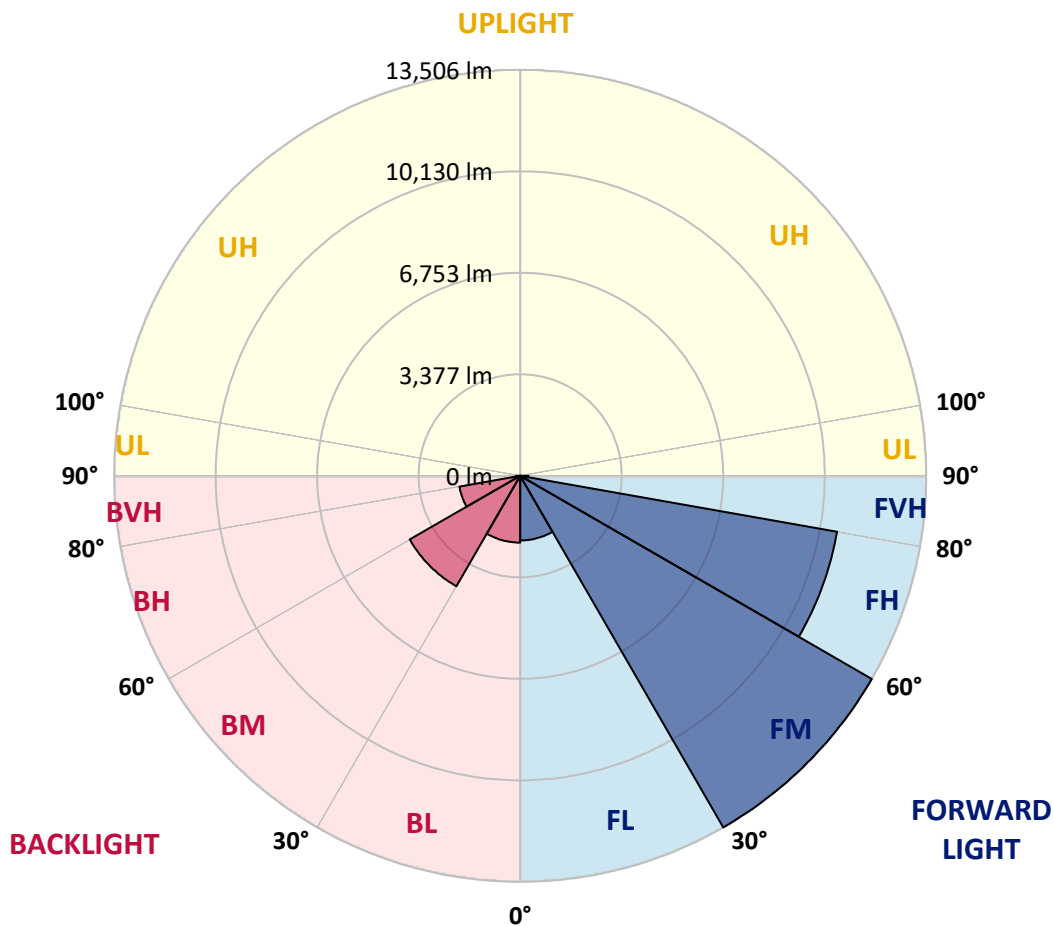
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2151.0	6.1			
FM	(30°-60°)	13506.2	38.3			
FH	(60°-80°)	10705.3	30.3			G4/12000
FVH	(80°-90°)	270.9	0.8			G3/500
BL	(0°-30°)	2222.4	6.3	B3/2500		
BM	(30°-60°)	4243.1	12.0	B3/5000		
BH	(60°-80°)	2053.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	131.9	0.4			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9
2.5°	3935.6	3926.5	3949.2	3972.0	4022.0	4081.2	4163.1	4231.3	4240.4	4367.8	4467.9
5°	3703.5	3689.9	3712.6	3739.9	3762.7	3835.5	3921.9	4022.0	4063.0	4249.5	4463.4
7.5°	3726.3	3721.7	3730.8	3721.7	3721.7	3753.6	3812.7	3912.8	3958.3	4181.3	4486.1
10°	3858.2	3867.3	3871.9	3844.6	3817.3	3803.6	3821.8	3890.1	3921.9	4185.8	4586.2
12.5°	4076.6	4090.3	4094.8	4044.8	4008.4	3949.2	3917.4	3944.7	3967.4	4231.3	4727.3
15°	4372.4	4381.5	4349.6	4317.8	4226.8	4154.0	4076.6	4053.9	4063.0	4326.9	4886.5
17.5°	4718.2	4704.5	4704.5	4627.2	4508.9	4395.1	4267.7	4249.5	4249.5	4481.6	5114.0
20°	5095.8	5109.4	5068.5	4963.8	4845.6	4668.1	4540.7	4458.8	4467.9	4659.0	5391.5
22.5°	5641.8	5664.5	5555.3	5405.2	5223.2	5018.4	4836.5	4704.5	4709.1	4891.1	5678.2
25°	6228.7	6237.8	6169.5	5969.4	5723.7	5432.5	5191.3	5023.0	5018.4	5150.4	6046.7
27.5°	6829.3	6870.2	6733.7	6542.6	6315.1	5951.2	5632.7	5405.2	5368.8	5546.2	6506.2
30°	7448.0	7498.1	7366.1	7179.6	6897.5	6588.1	6210.5	5946.6	5923.9	6160.4	7120.5
32.5°	8071.4	8085.0	7980.4	7825.7	7570.9	7279.7	6974.9	6683.7	6660.9	7047.7	7916.7
35°	8581.0	8621.9	8549.1	8512.7	8326.2	8057.7	7762.0	7593.6	7652.8	8148.7	8949.5
37.5°	9195.2	9236.1	9154.2	9145.1	9086.0	8853.9	8649.2	8662.8	8722.0	9395.4	10036.9
40°	10082.4	10127.9	9918.6	9827.6	9827.6	9600.1	9531.9	9854.9	9932.2	10623.8	11169.8
42.5°	10833.1	10905.9	10783.1	10723.9	10546.5	10387.2	10469.1	10924.1	11056.0	11797.7	12157.1
45°	11197.1	11251.7	11397.3	11570.2	11397.3	11119.7	11429.1	11943.3	12129.8	12880.5	13144.4
47.5°	11392.7	11442.8	11611.1	12075.2	12193.5	11961.5	12398.2	13039.8	13167.2	13954.3	14086.2
50°	11420.0	11579.3	11797.7	12261.8	12803.2	12835.0	13371.9	14154.5	14304.6	15009.8	14914.3
52.5°	11197.1	11260.8	11711.2	12493.8	13094.4	13640.3	14432.0	15223.7	15332.9	16001.7	15646.8
55°	10833.1	10924.1	11374.5	12439.2	13376.5	14404.7	15510.3	16274.7	16397.5	16966.3	16324.7
57.5°	10505.5	10551.0	11033.3	12279.9	13658.5	15169.1	16470.3	17371.2	17453.1	17812.5	16825.2
60°	10141.5	10191.6	10673.9	11938.7	13867.8	15746.9	17471.3	18476.8	18549.6	18704.3	17407.6
62.5°	9199.7	9331.7	9936.8	11374.5	13813.2	16406.6	18540.5	19568.8	19659.7	19491.4	17867.1
65°	7470.8	7657.3	8399.0	10096.0	13303.7	16834.3	19414.1	20574.3	20729.0	20082.9	17990.0
67.5°	5801.0	5933.0	6529.0	8012.2	11515.6	16620.5	19978.2	21265.8	21311.3	19987.3	17307.5
68°	5500.7	5632.7	6201.4	7575.4	11019.7	16365.7	19964.6	21284.0	21384.1	19882.7	17043.6
70°	4208.6	4358.7	4900.2	6001.2	8881.2	14745.9	19132.0	20847.3	20833.6	18617.8	15405.7
72.5°	2629.8	2716.2	3089.3	3785.4	5873.8	11219.8	16238.3	18385.8	18422.2	15178.2	11815.9
75°	1669.8	1669.8	1651.6	1833.6	3012.0	6392.5	12070.7	14154.5	14181.8	10628.4	7448.0
77.5°	1451.4	1410.4	1214.8	1028.3	1201.2	2484.2	7143.2	9140.6	8990.4	5723.7	3535.2
80°	1223.9	1155.7	996.4	828.1	773.5	778.0	2743.5	4640.8	4440.6	2061.1	1173.9
82.5°	882.7	823.5	750.7	650.6	596.0	464.1	573.3	1342.2	1310.3	596.0	382.2
85°	477.7	432.2	423.1	427.7	359.4	286.6	241.1	295.7	295.7	259.3	218.4
87.5°	168.3	122.8	145.6	163.8	141.0	118.3	95.5	113.7	118.3	113.7	104.6
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°	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9
2.5°	4527.1	4572.6	4681.8	4777.3	4845.6	4904.7	4936.5	4950.2	4982.0	4986.6	4977.5
5°	4563.5	4681.8	4845.6	4986.6	5063.9	5095.8	5104.9	5109.4	5095.8	5104.9	5095.8
7.5°	4659.0	4809.2	5041.2	5164.0	5177.7	5127.6	5132.2	5114.0	5132.2	5150.4	5150.4
10°	4804.6	4995.7	5214.1	5259.6	5200.4	5173.1	5227.7	5336.9	5373.3	5423.4	5423.4
12.5°	4995.7	5223.2	5377.9	5336.9	5282.3	5373.3	5532.6	5641.8	5678.2	5696.4	5682.7
15°	5214.1	5459.8	5537.1	5400.6	5500.7	5696.4	5751.0	5687.3	5596.3	5555.3	5578.1
17.5°	5491.6	5696.4	5650.9	5559.9	5787.4	5814.7	5637.2	5432.5	5286.9	5232.3	5268.7
20°	5782.8	5960.3	5751.0	5791.9	5933.0	5641.8	5305.1	5041.2	4913.8	4891.1	4927.4
22.5°	6092.2	6205.9	5851.1	6060.4	5851.1	5259.6	4854.7	4718.2	4686.3	4722.7	4754.6
25°	6442.5	6428.9	6024.0	6142.2	5546.2	4791.0	4549.8	4540.7	4540.7	4563.5	4609.0
27.5°	6838.4	6624.5	6196.8	6033.1	5018.4	4404.2	4358.7	4363.3	4349.6	4354.2	4376.9
30°	7297.9	6888.4	6387.9	5673.6	4427.0	4113.0	4094.8	4081.2	4049.3	4040.2	4049.3
32.5°	7875.7	7166.0	6583.6	5082.1	3908.3	3812.7	3803.6	3730.8	3653.5	3644.4	3676.3
35°	8608.2	7671.0	6683.7	4340.5	3480.6	3476.1	3444.2	3330.5	3230.4	3230.4	3207.6
37.5°	9445.4	8321.6	6724.6	3617.1	3125.7	3148.5	3057.5	2911.9	2834.5	2789.0	2802.7
40°	10300.8	9063.2	6720.1	2984.7	2816.3	2820.9	2752.6	2575.2	2384.1	2270.4	2297.7
42.5°	11124.3	9736.6	6601.8	2648.0	2566.1	2552.4	2497.8	2256.7	2097.5	2006.5	2011.0
45°	11784.0	10432.7	6419.8	2447.8	2338.6	2361.4	2238.5	2092.9	1947.3	1865.4	1860.9
47.5°	12443.7	10960.5	6128.6	2325.0	2170.3	2129.3	2079.3	1979.2	1870.0	1779.0	1783.5
50°	13044.3	11410.9	5855.6	2243.1	2015.6	1910.9	1920.0	1860.9	1765.3	1683.4	1678.9
52.5°	13467.5	11706.7	5705.5	2197.6	1829.0	1715.3	1747.1	1715.3	1624.3	1565.1	1560.6
55°	13890.6	11934.2	5755.5	2138.4	1624.3	1533.3	1587.9	1578.8	1528.7	1510.5	1515.1
57.5°	14231.8	12107.1	5933.0	2029.2	1428.6	1374.0	1465.0	1437.7	1401.3	1405.9	1405.9
60°	14564.0	12330.0	6142.2	1779.0	1260.3	1264.8	1351.3	1301.2	1278.5	1319.4	1324.0
62.5°	14909.7	12571.1	5969.4	1415.0	1114.7	1146.6	1246.6	1205.7	1214.8	1273.9	1292.1
65°	14868.8	12548.4	4863.8	1160.2	987.3	1051.0	1201.2	1187.5	1192.1	1214.8	1223.9
67.5°	14031.6	11747.6	3344.1	987.3	896.3	973.7	1164.8	1110.2	1114.7	1101.1	1105.6
68°	13749.5	11465.5	2948.3	960.0	878.1	955.5	1146.6	1096.5	1101.1	1087.4	1082.9
70°	12211.7	9818.5	1865.4	846.3	814.4	905.4	1055.6	1037.4	1032.8	1023.7	1023.7
72.5°	9308.9	7247.9	982.8	732.5	741.6	828.1	941.8	978.2	955.5	960.0	987.3
75°	6165.0	4358.7	682.5	627.9	650.6	709.8	837.2	910.0	887.2	900.9	887.2
77.5°	3262.2	2347.7	546.0	532.3	532.3	573.3	691.6	805.3	805.3	796.2	782.6
80°	1069.2	828.1	436.8	418.6	427.7	450.4	555.1	659.7	673.4	655.2	646.1
82.5°	359.4	382.2	327.6	304.8	313.9	332.1	418.6	505.0	509.6	473.2	464.1
85°	222.9	254.8	204.7	200.2	200.2	204.7	254.8	277.5	254.8	227.5	236.6
87.5°	104.6	127.4	95.5	81.9	68.2	59.1	45.5	18.2	18.2	9.1	9.1
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)