

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: P1211383

Luminaire Tested: **ARCH4-260-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211383
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: ARCH4-260-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31993 lumens
Efficiency: N/A
Efficacy: 123.4 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

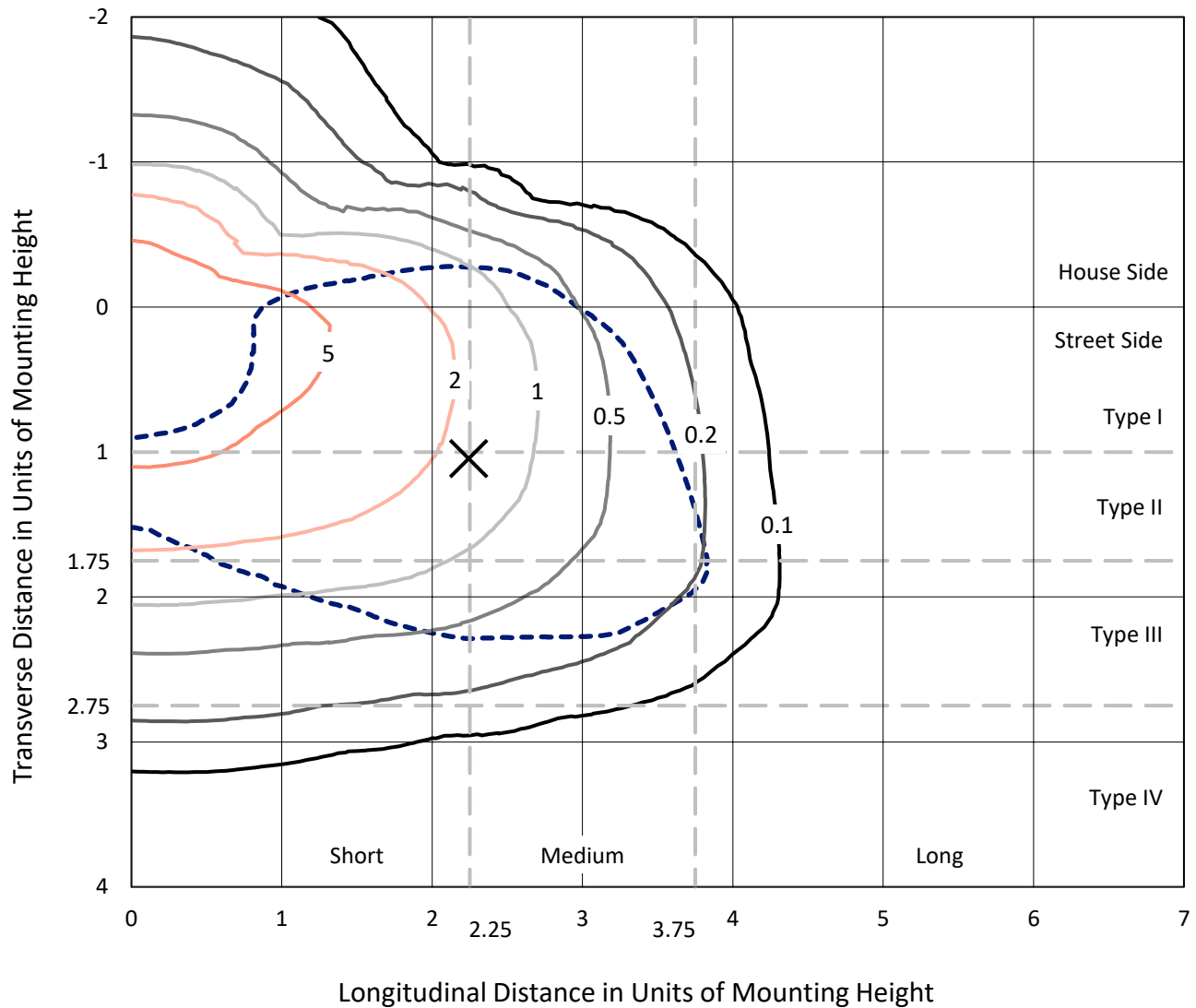


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

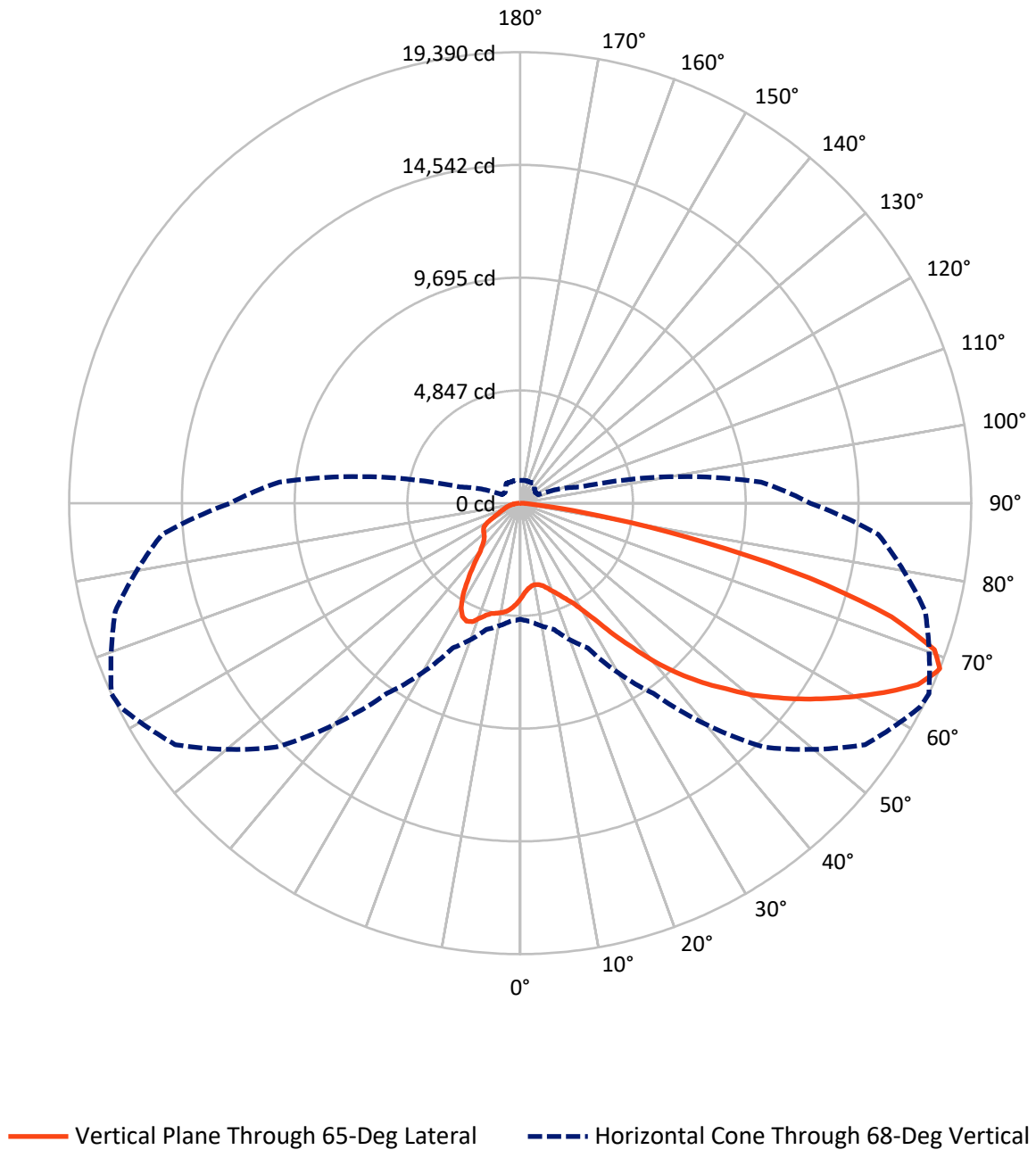


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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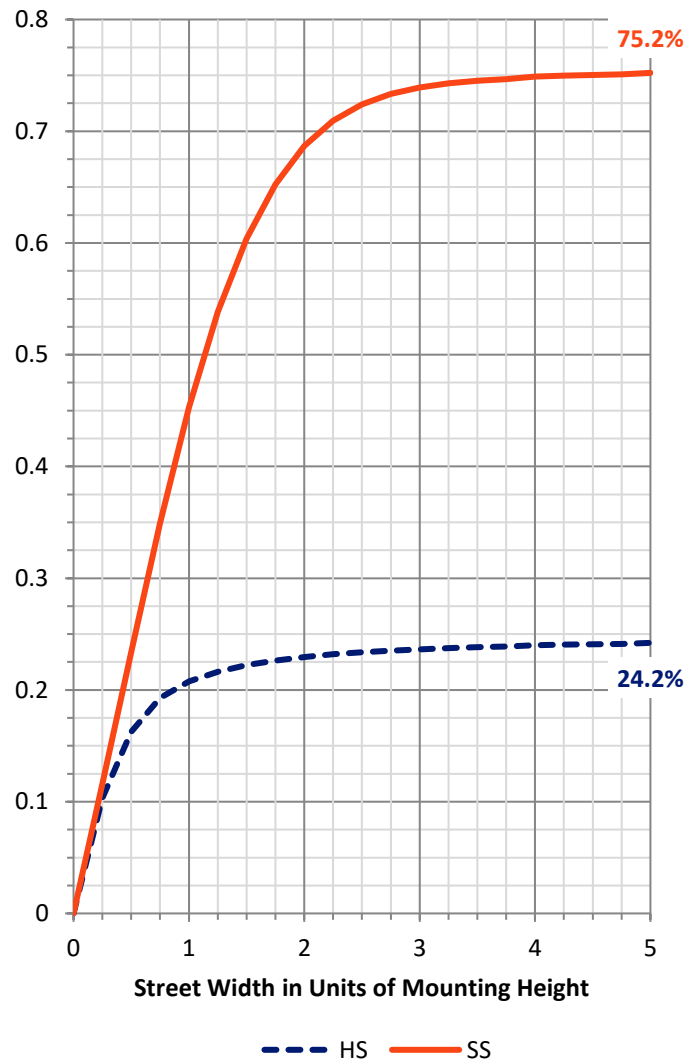
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7843.7	0.0	7843.7
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	24149.3	0.0	24149.3
	% Fixture	75.5	0.0	75.5
Total	Lumens	31993.0	0.0	31993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.7	1.2
10°-20°	1272.2	4.0
20°-30°	2302.5	7.2
30°-40°	3622.1	11.3
40°-50°	5394.8	16.9
50°-60°	7076.9	22.1
60°-70°	7739.0	24.2
70°-80°	3829.5	12.0
80°-90°	365.3	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°	31993.0	100.0
0°-180°	31993.0	100.0

Coefficient of Utilization



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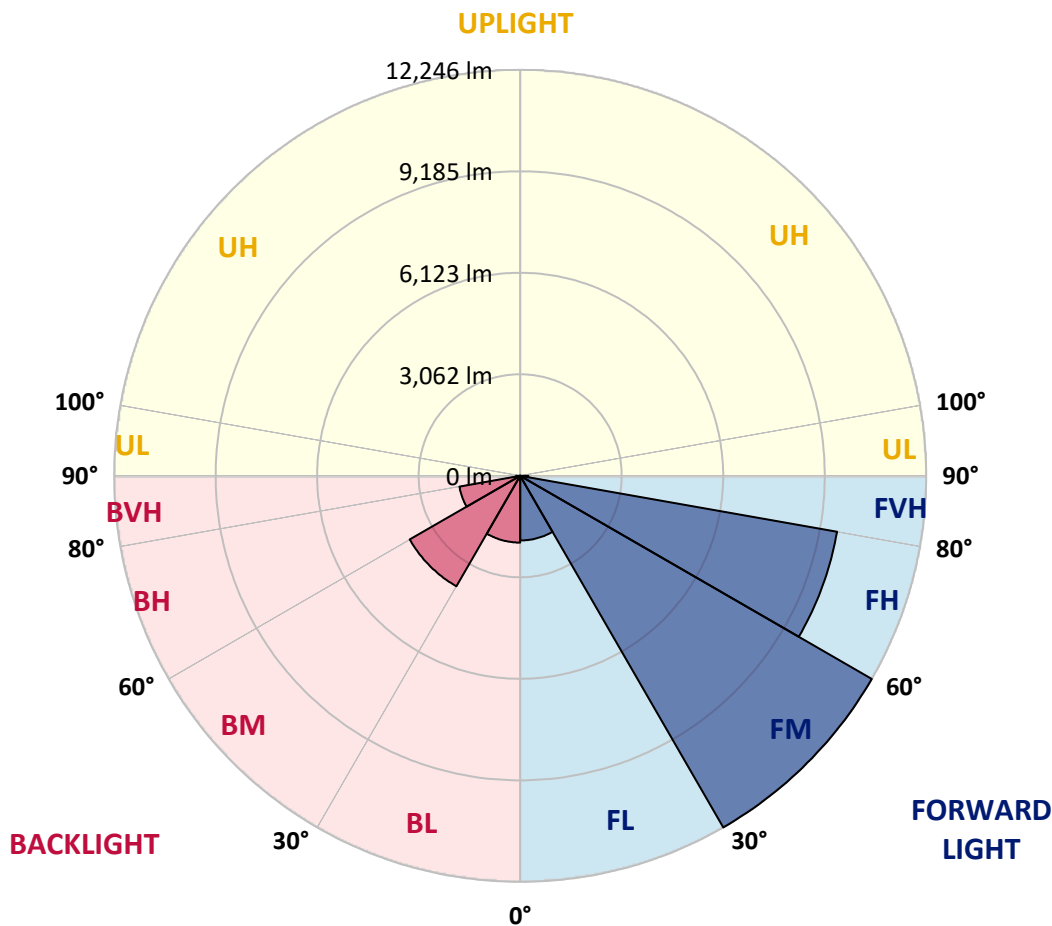
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1950.3	6.1			
FM	(30°-60°)	12246.5	38.3			
FH	(60°-80°)	9706.8	30.3			G4/12000
FVH	(80°-90°)	245.7	0.8			G3/500
BL	(0°-30°)	2015.1	6.3	B3/2500		
BM	(30°-60°)	3847.3	12.0	B3/5000		
BH	(60°-80°)	1861.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	119.6	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°	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3
2.5°	3568.5	3560.3	3580.9	3601.5	3646.9	3700.5	3774.8	3836.7	3844.9	3960.4	4051.2
5°	3358.1	3345.7	3366.4	3391.1	3411.7	3477.8	3556.1	3646.9	3684.0	3853.2	4047.1
7.5°	3378.7	3374.6	3382.9	3374.6	3374.6	3403.5	3457.1	3547.9	3589.1	3791.3	4067.7
10°	3498.4	3506.6	3510.8	3486.0	3461.2	3448.9	3465.4	3527.3	3556.1	3795.4	4158.4
12.5°	3696.4	3708.8	3712.9	3667.5	3634.5	3580.9	3552.0	3576.8	3597.4	3836.7	4286.3
15°	3964.6	3972.8	3943.9	3915.0	3832.5	3766.5	3696.4	3675.8	3684.0	3923.3	4430.7
17.5°	4278.1	4265.7	4265.7	4195.6	4088.3	3985.2	3869.7	3853.2	3853.2	4063.6	4637.0
20°	4620.5	4632.9	4595.7	4500.9	4393.6	4232.7	4117.2	4042.9	4051.2	4224.5	4888.7
22.5°	5115.6	5136.2	5037.2	4901.0	4736.0	4550.4	4385.3	4265.7	4269.8	4434.9	5148.6
25°	5647.7	5656.0	5594.1	5412.6	5189.8	4925.8	4707.1	4554.5	4550.4	4670.0	5482.7
27.5°	6192.3	6229.4	6105.7	5932.4	5726.1	5396.1	5107.3	4901.0	4868.0	5028.9	5899.4
30°	6753.4	6798.7	6679.1	6510.0	6254.2	5973.6	5631.2	5392.0	5371.3	5585.9	6456.3
32.5°	7318.5	7330.9	7236.0	7095.8	6864.7	6600.7	6324.3	6060.3	6039.7	6390.3	7178.3
35°	7780.6	7817.7	7751.7	7718.7	7549.6	7306.2	7038.0	6885.4	6939.0	7388.7	8114.8
37.5°	8337.5	8374.7	8300.4	8292.1	8238.5	8028.1	7842.5	7854.8	7908.5	8519.0	9100.7
40°	9142.0	9183.2	8993.5	8911.0	8911.0	8704.7	8642.8	8935.7	9005.8	9632.9	10128.0
42.5°	9822.7	9888.7	9777.3	9723.7	9562.8	9418.4	9492.6	9905.2	10024.8	10697.3	11023.2
45°	10152.7	10202.2	10334.2	10491.0	10334.2	10082.6	10363.1	10829.3	10998.4	11679.1	11918.4
47.5°	10330.1	10375.5	10528.1	10948.9	11056.2	10845.8	11241.8	11823.5	11939.0	12652.7	12772.4
50°	10354.9	10499.3	10697.3	11118.1	11609.0	11637.9	12124.7	12834.3	12970.4	13609.8	13523.2
52.5°	10152.7	10210.5	10618.9	11328.5	11873.0	12368.1	13085.9	13803.7	13902.8	14509.2	14187.4
55°	9822.7	9905.2	10313.6	11279.0	12128.8	13061.2	14063.6	14756.7	14868.1	15383.8	14802.1
57.5°	9525.7	9566.9	10004.2	11134.6	12384.6	13754.2	14934.1	15751.0	15825.2	16151.1	15255.9
60°	9195.6	9241.0	9678.3	10825.2	12574.4	14278.2	15841.7	16753.4	16819.4	16959.7	15784.0
62.5°	8341.7	8461.3	9010.0	10313.6	12524.9	14876.4	16811.2	17743.5	17826.0	17673.4	16200.6
65°	6774.0	6943.1	7615.6	9154.4	12062.8	15264.1	17603.3	18655.3	18795.5	18209.7	16312.0
67.5°	5259.9	5379.6	5920.0	7264.9	10441.5	15070.3	18114.8	19282.3	19323.6	18123.1	15693.2
68°	4987.7	5107.3	5623.0	6868.9	9991.8	14839.2	18102.5	19298.8	19389.6	18028.2	15453.9
70°	3816.0	3952.2	4443.1	5441.5	8052.9	13370.6	17347.5	18902.8	18890.4	16881.3	13968.8
72.5°	2384.5	2462.9	2801.2	3432.4	5326.0	10173.3	14723.7	16670.9	16703.9	13762.5	10713.8
75°	1514.0	1514.0	1497.5	1662.6	2731.0	5796.3	10944.8	12834.3	12859.0	9637.0	6753.4
77.5°	1316.0	1278.9	1101.5	932.4	1089.1	2252.5	6476.9	8288.0	8151.9	5189.8	3205.5
80°	1109.7	1047.9	903.5	750.8	701.3	705.5	2487.6	4208.0	4026.4	1868.8	1064.4
82.5°	800.3	746.7	680.7	589.9	540.4	420.8	519.8	1217.0	1188.1	540.4	346.5
85°	433.2	391.9	383.7	387.8	325.9	259.9	218.6	268.2	268.2	235.2	198.0
87.5°	152.6	111.4	132.0	148.5	127.9	107.3	86.6	103.1	107.3	103.1	94.9
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°	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3	4088.3
2.5°	4104.8	4146.1	4245.1	4331.7	4393.6	4447.2	4476.1	4488.5	4517.4	4521.5	4513.2
5°	4137.8	4245.1	4393.6	4521.5	4591.6	4620.5	4628.7	4632.9	4620.5	4628.7	4620.5
7.5°	4224.5	4360.6	4571.0	4682.4	4694.8	4649.4	4653.5	4637.0	4653.5	4670.0	4670.0
10°	4356.5	4529.7	4727.8	4769.0	4715.4	4690.6	4740.1	4839.1	4872.2	4917.5	4917.5
12.5°	4529.7	4736.0	4876.3	4839.1	4789.6	4872.2	5016.5	5115.6	5148.6	5165.1	5152.7
15°	4727.8	4950.5	5020.7	4896.9	4987.7	5165.1	5214.6	5156.8	5074.3	5037.2	5057.8
17.5°	4979.4	5165.1	5123.8	5041.3	5247.6	5272.3	5111.4	4925.8	4793.8	4744.3	4777.3
20°	5243.4	5404.3	5214.6	5251.7	5379.6	5115.6	4810.3	4571.0	4455.5	4434.9	4467.9
22.5°	5524.0	5627.1	5305.3	5495.1	5305.3	4769.0	4401.9	4278.1	4249.2	4282.2	4311.1
25°	5841.6	5829.3	5462.1	5569.4	5028.9	4344.1	4125.4	4117.2	4117.2	4137.8	4179.1
27.5°	6200.5	6006.6	5618.9	5470.3	4550.4	3993.4	3952.2	3956.3	3943.9	3948.1	3968.7
30°	6617.2	6245.9	5792.1	5144.4	4014.1	3729.4	3712.9	3700.5	3671.6	3663.4	3671.6
32.5°	7141.1	6497.6	5969.5	4608.1	3543.8	3457.1	3448.9	3382.9	3312.7	3304.5	3333.4
35°	7805.3	6955.5	6060.3	3935.7	3156.0	3151.8	3123.0	3019.8	2929.1	2929.1	2908.4
37.5°	8564.4	7545.4	6097.4	3279.7	2834.2	2854.8	2772.3	2640.3	2570.2	2528.9	2541.3
40°	9340.0	8217.9	6093.3	2706.3	2553.7	2557.8	2495.9	2335.0	2161.7	2058.6	2083.3
42.5°	10086.7	8828.5	5986.0	2401.0	2326.8	2314.4	2264.9	2046.2	1901.8	1819.3	1823.4
45°	10684.9	9459.6	5821.0	2219.5	2120.5	2141.1	2029.7	1897.7	1765.7	1691.4	1687.3
47.5°	11283.1	9938.2	5557.0	2108.1	1967.8	1930.7	1885.3	1794.6	1695.6	1613.0	1617.2
50°	11827.7	10346.6	5309.4	2033.8	1827.6	1732.7	1740.9	1687.3	1600.7	1526.4	1522.3
52.5°	12211.3	10614.8	5173.3	1992.6	1658.4	1555.3	1584.2	1555.3	1472.8	1419.2	1415.0
55°	12595.0	10821.0	5218.7	1939.0	1472.8	1390.3	1439.8	1431.5	1386.1	1369.6	1373.8
57.5°	12904.4	10977.8	5379.6	1839.9	1295.4	1245.9	1328.4	1303.6	1270.6	1274.8	1274.8
60°	13205.6	11180.0	5569.4	1613.0	1142.7	1146.9	1225.3	1179.9	1159.3	1196.4	1200.5
62.5°	13519.1	11398.6	5412.6	1283.0	1010.7	1039.6	1130.4	1093.2	1101.5	1155.1	1171.6
65°	13482.0	11378.0	4410.1	1052.0	895.2	953.0	1089.1	1076.7	1080.9	1101.5	1109.7
67.5°	12722.9	10651.9	3032.2	895.2	812.7	882.8	1056.1	1006.6	1010.7	998.4	1002.5
68°	12467.1	10396.1	2673.3	870.5	796.2	866.3	1039.6	994.2	998.4	986.0	981.9
70°	11072.7	8902.7	1691.4	767.3	738.5	821.0	957.1	940.6	936.5	928.2	928.2
72.5°	8440.7	6571.8	891.1	664.2	672.4	750.8	854.0	887.0	866.3	870.5	895.2
75°	5590.0	3952.2	618.8	569.3	589.9	643.6	759.1	825.1	804.5	816.8	804.5
77.5°	2957.9	2128.7	495.1	482.7	482.7	519.8	627.1	730.2	730.2	722.0	709.6
80°	969.5	750.8	396.0	379.5	387.8	408.4	503.3	598.2	610.6	594.1	585.8
82.5°	325.9	346.5	297.0	276.4	284.7	301.2	379.5	457.9	462.0	429.0	420.8
85°	202.1	231.0	185.6	181.5	181.5	185.6	231.0	251.7	231.0	206.3	214.5
87.5°	94.9	115.5	86.6	74.3	61.9	53.6	41.3	16.5	16.5	8.3	8.3
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)