

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: P1211317

Luminaire Tested: **ARCH4-240-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211317
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: ARCH4-240-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 940mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30300 lumens
Efficiency: N/A
Efficacy: 126.1 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): 240.2
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



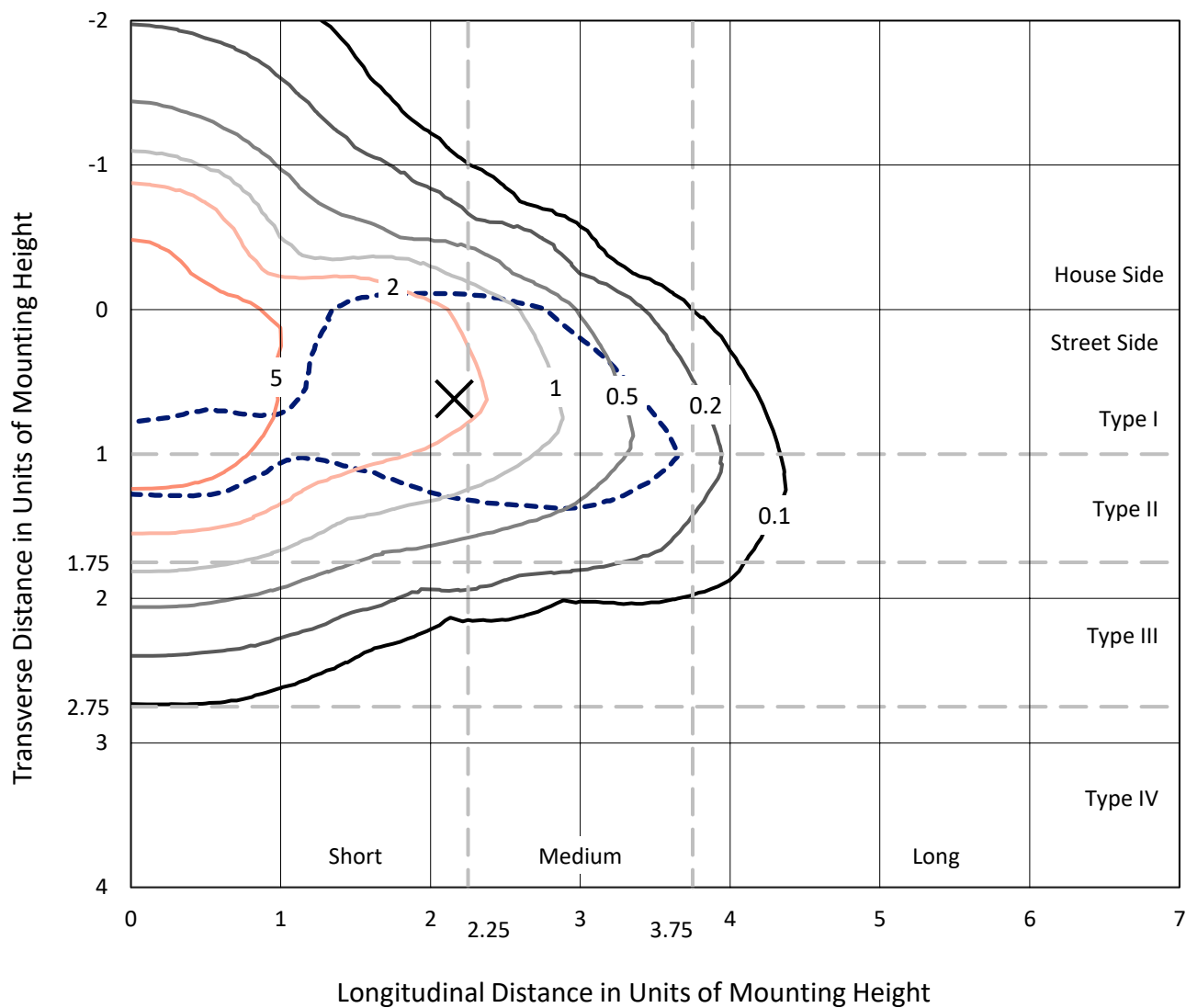
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Iso-Footcandle Lines of Horizontal Illumination

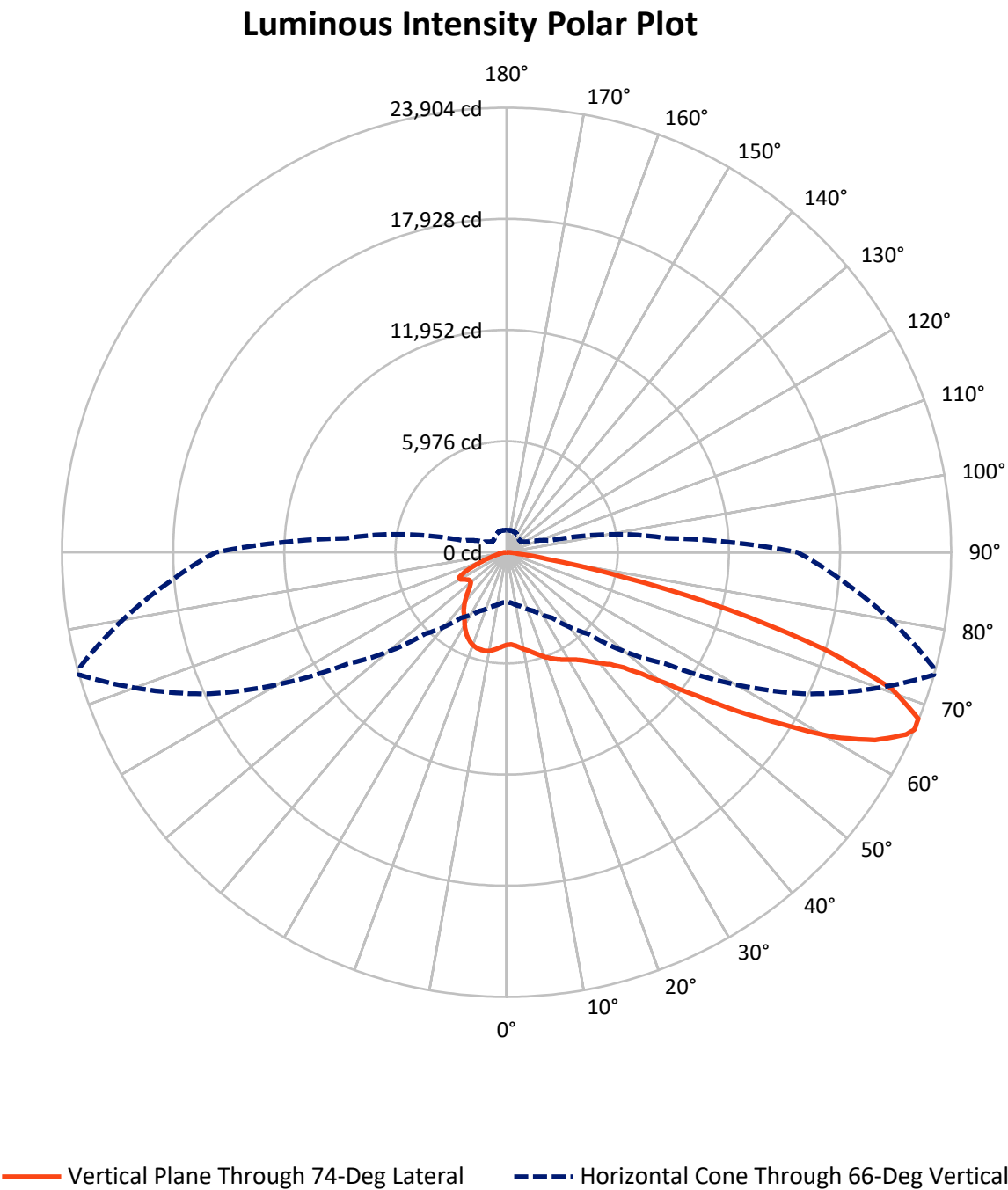
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

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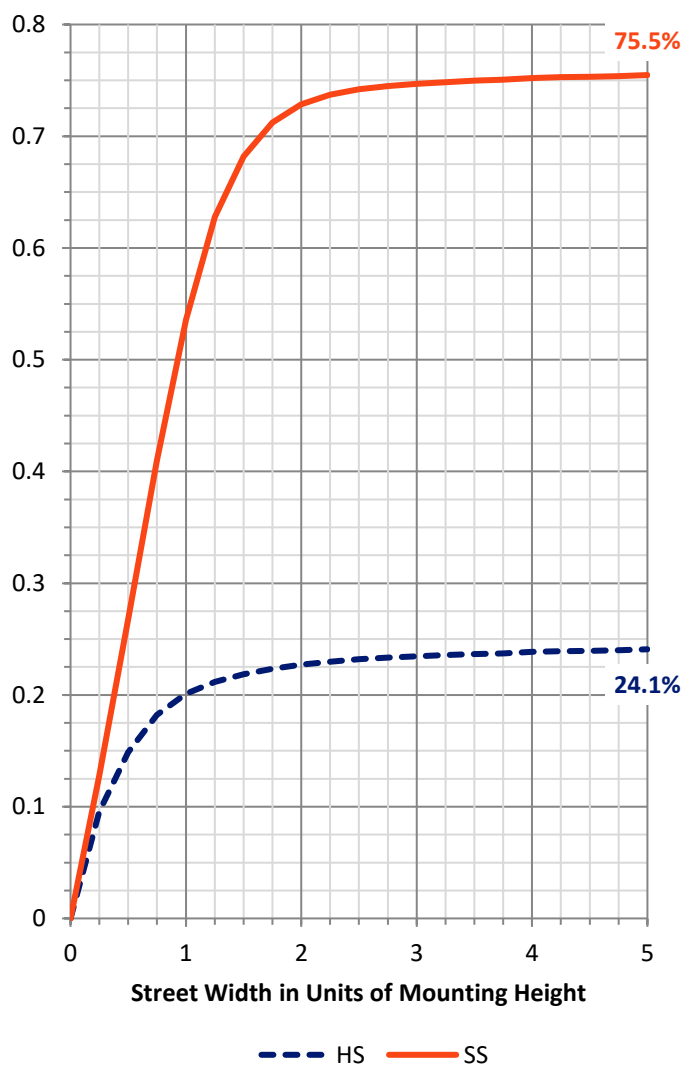
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7378.9	0.0	7378.9
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	22921.1	0.0	22921.1
	% Fixture	75.6	0.0	75.6
Total	Lumens	30300.0	0.0	30300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.8	1.6
10°-20°	1457.1	4.8
20°-30°	2734.3	9.0
30°-40°	4206.0	13.9
40°-50°	5657.4	18.7
50°-60°	6690.5	22.1
60°-70°	6189.1	20.4
70°-80°	2603.7	8.6
80°-90°	288.1	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°	30300.0	100.0
0°-180°	30300.0	100.0

Coefficient of Utilization



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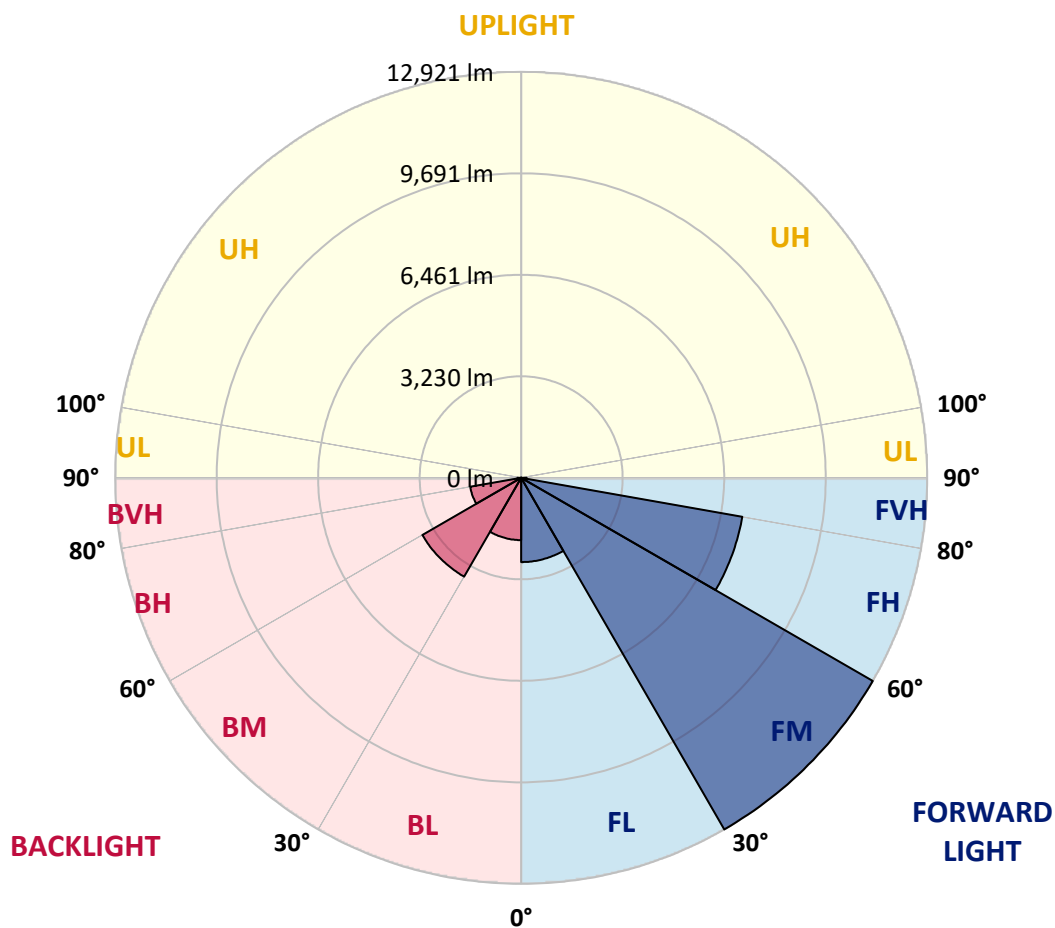
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2681.9	8.9			
FM	(30°-60°)	12921.2	42.6			
FH	(60°-80°)	7145.6	23.6			G3/7500
FVH	(80°-90°)	172.4	0.6			G2/225
BL	(0°-30°)	1983.3	6.5	B3/2500		
BM	(30°-60°)	3632.6	12.0	B3/5000		
BH	(60°-80°)	1647.2	5.4	B3/2500		G3/2500
BVH	(80°-90°)	115.7	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2
2.5°	4951.6	4943.8	4959.4	4982.8	4994.5	4975.0	4967.2	4963.3	4963.3	4951.6	4971.1
5°	4717.6	4713.7	4748.8	4791.7	4873.6	4932.1	5010.1	5056.9	5041.3	5017.9	5033.5
7.5°	4413.5	4405.7	4448.6	4530.5	4643.6	4772.2	4963.3	5111.4	5169.9	5162.1	5158.2
10°	4530.5	4522.7	4518.8	4495.4	4534.4	4659.2	4858.0	5119.2	5318.1	5322.0	5325.9
12.5°	4936.0	4955.5	4936.0	4861.9	4776.1	4729.3	4846.3	5138.7	5442.8	5466.2	5563.7
15°	5489.6	5470.1	5431.1	5345.4	5212.8	5072.4	4986.7	5228.4	5622.2	5641.7	5856.1
17.5°	5977.0	5992.6	5969.2	5887.3	5731.4	5548.1	5286.9	5384.4	5813.2	5867.8	6168.0
20°	6507.2	6569.6	6538.4	6437.1	6308.4	6035.5	5708.0	5610.5	6023.8	6062.8	6491.6
22.5°	7119.4	7185.6	7127.2	7029.7	6924.4	6589.1	6168.0	5887.3	6199.2	6281.1	6803.6
25°	7852.4	7914.7	7860.1	7708.1	7575.5	7166.1	6663.2	6199.2	6370.8	6460.4	7057.0
27.5°	8433.3	8480.1	8530.8	8441.1	8238.3	7813.4	7177.8	6522.8	6542.3	6635.9	7290.9
30°	8951.8	9068.8	9111.7	9123.4	8951.8	8476.2	7704.2	6858.1	6690.5	6788.0	7524.8
32.5°	9661.4	9836.9	9766.7	9836.9	9735.5	9100.0	8250.0	7205.1	6881.5	6971.2	7747.1
35°	10698.5	10838.9	10655.6	10601.1	10437.3	9731.6	8776.4	7563.8	7135.0	7232.4	7957.6
37.5°	11813.6	11973.5	11708.3	11490.0	11178.1	10355.4	9228.7	8035.6	7485.9	7563.8	8152.6
40°	12788.3	12920.9	12690.9	12402.3	11879.9	10905.2	9618.5	8367.0	7836.8	7934.2	8378.7
42.5°	13689.0	13774.8	13517.4	13240.6	12542.7	11400.3	10039.6	8717.9	8246.1	8339.7	8561.9
45°	14601.3	14667.6	14308.9	13915.1	13096.3	11852.6	10503.6	9209.2	8846.6	8971.3	8858.3
47.5°	14765.1	14784.6	14722.2	14457.1	13533.0	12285.4	11076.7	9868.1	9762.8	9899.3	9369.0
50°	13630.5	13805.9	14191.9	14453.2	13708.5	12648.0	11649.9	10811.6	11026.0	11201.5	10429.5
52.5°	11427.6	11595.3	12488.1	13478.4	13287.4	12729.9	12265.9	12008.6	12807.8	13018.4	11872.1
55°	9103.9	9252.1	10195.6	11622.6	11926.7	12355.6	12924.8	13536.9	15080.9	15221.2	13455.0
57.5°	7497.6	7579.4	8253.9	9626.3	10113.7	11158.6	13279.6	15353.8	17392.9	17607.4	14831.4
60°	6148.5	6238.2	6741.2	7871.8	8519.1	9447.0	12998.9	17147.3	20153.3	20153.3	16597.5
62.5°	4628.0	4706.0	5173.8	6058.9	7146.7	7996.6	12102.1	18336.4	22235.3	22141.8	17876.4
65°	3177.6	3240.0	3579.2	4167.9	5146.5	6815.2	10877.9	18352.0	23615.5	23490.8	18422.2
66°	2666.8	2721.4	3009.9	3485.6	4308.3	6183.6	10445.1	18020.6	23904.1	23728.6	18192.2
67.5°	2105.4	2144.4	2335.4	2616.2	3158.1	5006.2	9762.8	17081.0	23876.8	23771.5	17607.4
70°	1505.0	1532.3	1672.6	1731.1	1867.6	2896.9	7754.9	14960.0	21962.4	21993.6	15307.0
72.5°	1165.8	1208.7	1294.4	1306.1	1274.9	1540.1	4706.0	12480.3	17966.1	17954.4	11361.3
75°	939.6	963.0	1005.9	1029.3	1021.5	994.2	1992.3	9310.5	12367.3	12511.5	6363.0
77.5°	740.8	736.9	775.9	807.1	830.5	779.8	912.3	5458.4	6483.8	6300.6	2390.0
80°	545.8	545.8	600.4	612.1	647.2	655.0	608.2	2105.4	2226.3	2023.5	619.9
82.5°	358.7	358.7	417.2	425.0	460.1	510.8	440.6	631.6	616.0	584.8	280.7
85°	194.9	187.1	206.6	233.9	253.4	300.2	265.1	315.8	323.6	319.7	187.1
87.5°	39.0	35.1	54.6	62.4	70.2	93.6	85.8	128.7	179.3	175.4	81.9
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°	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2	4967.2
2.5°	4998.4	4994.5	5037.4	5088.0	5146.5	5181.6	5197.2	5224.5	5205.0	5212.8	5236.2
5°	5072.4	5084.1	5146.5	5212.8	5240.1	5220.6	5177.7	5162.1	5127.0	5119.2	5111.4
7.5°	5181.6	5201.1	5263.5	5279.1	5197.2	5060.8	4963.3	4908.7	4850.2	4834.6	4826.8
10°	5361.0	5372.7	5388.3	5228.4	5025.7	4842.4	4721.5	4670.9	4631.9	4600.7	4608.5
12.5°	5587.1	5579.3	5458.4	5127.0	4838.5	4651.4	4569.5	4538.3	4511.0	4491.5	4487.6
15°	5871.7	5817.1	5470.1	4986.7	4663.1	4507.1	4448.6	4436.9	4405.7	4405.7	4401.8
17.5°	6160.2	6019.9	5462.3	4838.5	4495.4	4409.6	4374.5	4366.7	4359.0	4355.1	4366.7
20°	6448.8	6199.2	5400.0	4655.3	4378.4	4327.8	4320.0	4323.9	4316.1	4327.8	4320.0
22.5°	6702.2	6316.2	5283.0	4460.3	4296.6	4292.7	4273.2	4281.0	4308.3	4312.2	4323.9
25°	6897.1	6359.1	5111.4	4281.0	4238.1	4230.3	4253.7	4284.9	4308.3	4312.2	4331.7
27.5°	7057.0	6335.7	4897.0	4140.6	4136.7	4179.6	4249.8	4261.5	4265.4	4265.4	4249.8
30°	7177.8	6285.0	4624.1	3984.7	4004.2	4109.4	4175.7	4175.7	4144.5	4136.7	4160.1
32.5°	7205.1	6218.7	4327.8	3824.8	3856.0	3980.8	4062.6	4035.3	4000.3	4000.3	4015.8
35°	7228.5	6129.0	4089.9	3606.5	3653.3	3801.4	3879.4	3824.8	3785.8	3774.1	3770.2
37.5°	7220.7	6094.0	3875.5	3329.6	3392.0	3536.3	3587.0	3536.3	3477.8	3450.5	3485.6
40°	7228.5	6070.6	3606.5	3025.5	3087.9	3173.7	3240.0	3201.0	3146.4	3076.2	3111.3
42.5°	7275.3	6101.8	3310.2	2729.2	2729.2	2776.0	2889.1	2861.8	2729.2	2701.9	2733.1
45°	7524.8	6269.4	3013.8	2432.9	2390.0	2421.2	2538.2	2421.2	2339.3	2339.3	2366.6
47.5°	8129.2	6581.3	2752.6	2171.7	2070.3	2132.7	2163.9	2054.7	1992.3	1976.7	2004.0
50°	9361.2	7205.1	2596.7	1957.2	1832.5	1879.3	1859.8	1855.9	1793.5	1801.3	1816.9
52.5°	11232.7	8421.6	2549.9	1852.0	1696.0	1707.7	1688.2	1696.0	1684.3	1723.3	1735.0
55°	13271.8	9704.3	2608.4	1867.6	1602.4	1520.6	1528.4	1567.4	1614.1	1676.5	1688.2
57.5°	14796.3	10347.6	2760.4	1972.8	1485.5	1360.7	1380.2	1454.3	1544.0	1594.6	1621.9
60°	15930.8	10269.7	2982.6	2000.1	1345.1	1216.5	1251.5	1360.7	1438.7	1481.6	1508.9
62.5°	16301.2	9782.3	3037.2	1801.3	1161.9	1080.0	1165.8	1278.8	1313.9	1360.7	1380.2
65°	15997.1	9092.2	2639.5	1462.1	1021.5	978.6	1103.4	1189.2	1235.9	1259.3	1263.2
66°	15638.4	8678.9	2425.1	1329.5	970.8	947.4	1080.0	1150.2	1197.0	1193.1	1197.0
67.5°	14850.8	7813.4	2078.1	1142.4	896.7	900.6	1041.0	1087.8	1103.4	1091.7	1091.7
70°	12172.3	5501.3	1489.4	865.6	787.6	842.2	935.7	947.4	982.5	966.9	966.9
72.5°	7505.4	2701.9	998.1	662.8	701.8	787.6	783.7	822.7	904.5	927.9	943.5
75°	3688.3	1095.6	658.9	561.4	627.7	658.9	651.1	748.6	865.6	966.9	1002.0
77.5°	1399.7	545.8	460.1	491.3	506.9	495.2	518.6	678.4	865.6	1048.8	1083.9
80°	432.8	378.2	362.6	405.5	382.1	362.6	389.9	561.4	733.0	795.4	795.4
82.5°	261.2	296.3	280.7	276.8	257.3	261.2	280.7	401.6	565.3	592.6	592.6
85°	183.2	194.9	159.9	152.1	148.2	144.3	144.3	233.9	335.3	331.4	343.1
87.5°	70.2	78.0	58.5	58.5	54.6	39.0	31.2	39.0	39.0	27.3	19.5
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)