

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: P1211229

Luminaire Tested: **ARCH4-210-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211229
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: ARCH4-210-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 835mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31403 lumens
Efficiency: N/A
Efficacy: 147.4 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): 213.1
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

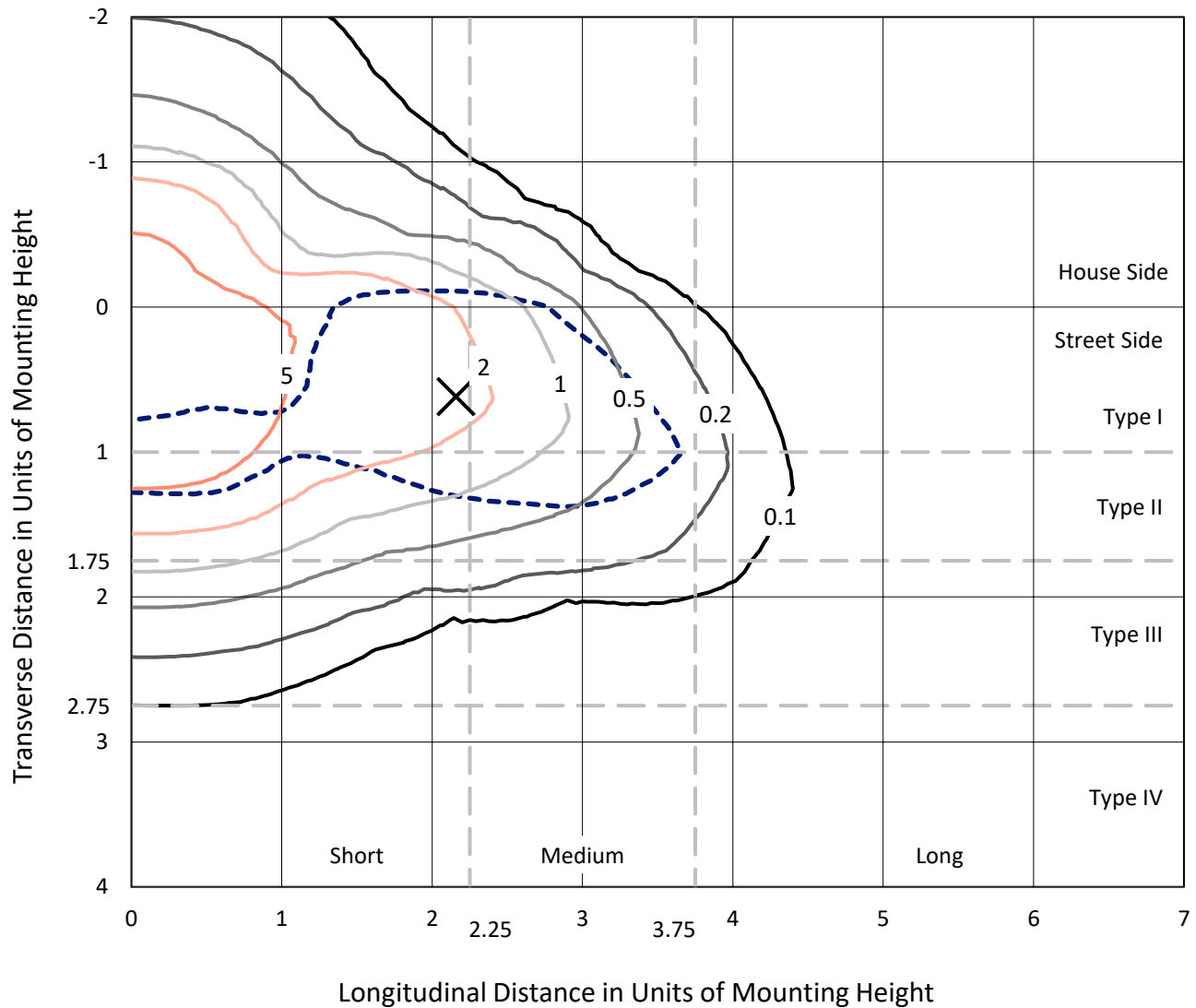


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

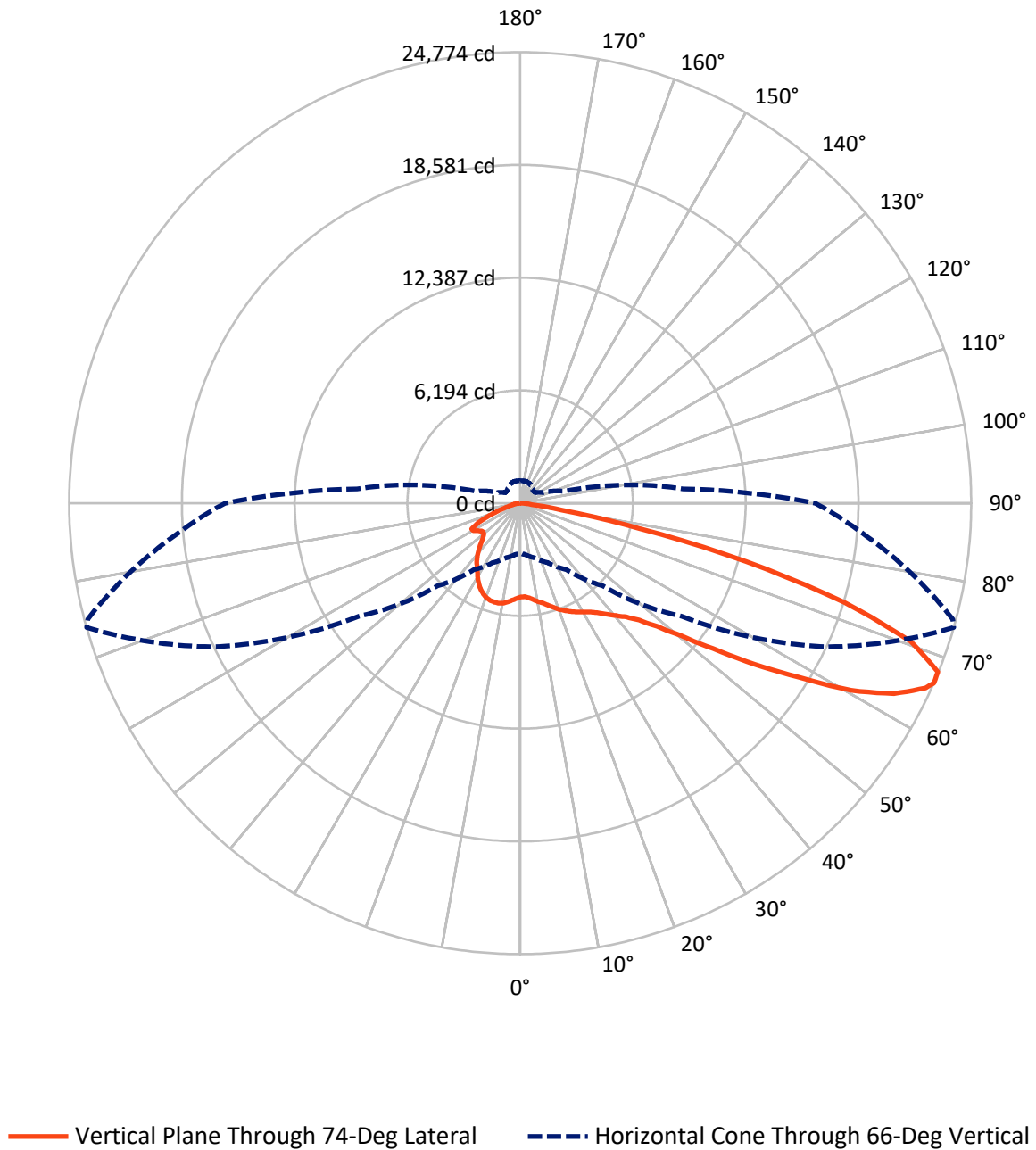


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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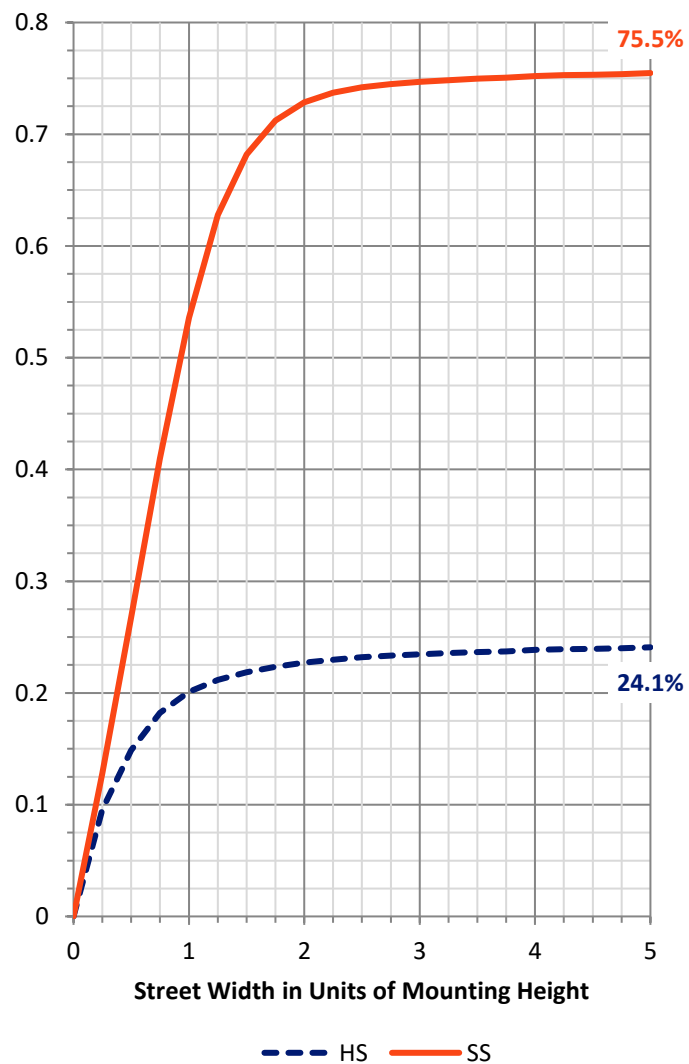
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7647.5	0.0	7647.5
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	23755.5	0.0	23755.5
	% Fixture	75.6	0.0	75.6
Total	Lumens	31403.0	0.0	31403.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.1	1.6
10°-20°	1510.1	4.8
20°-30°	2833.8	9.0
30°-40°	4359.1	13.9
40°-50°	5863.3	18.7
50°-60°	6934.1	22.1
60°-70°	6414.4	20.4
70°-80°	2698.5	8.6
80°-90°	298.6	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°	31403.0	100.0
0°-180°	31403.0	100.0

Coefficient of Utilization



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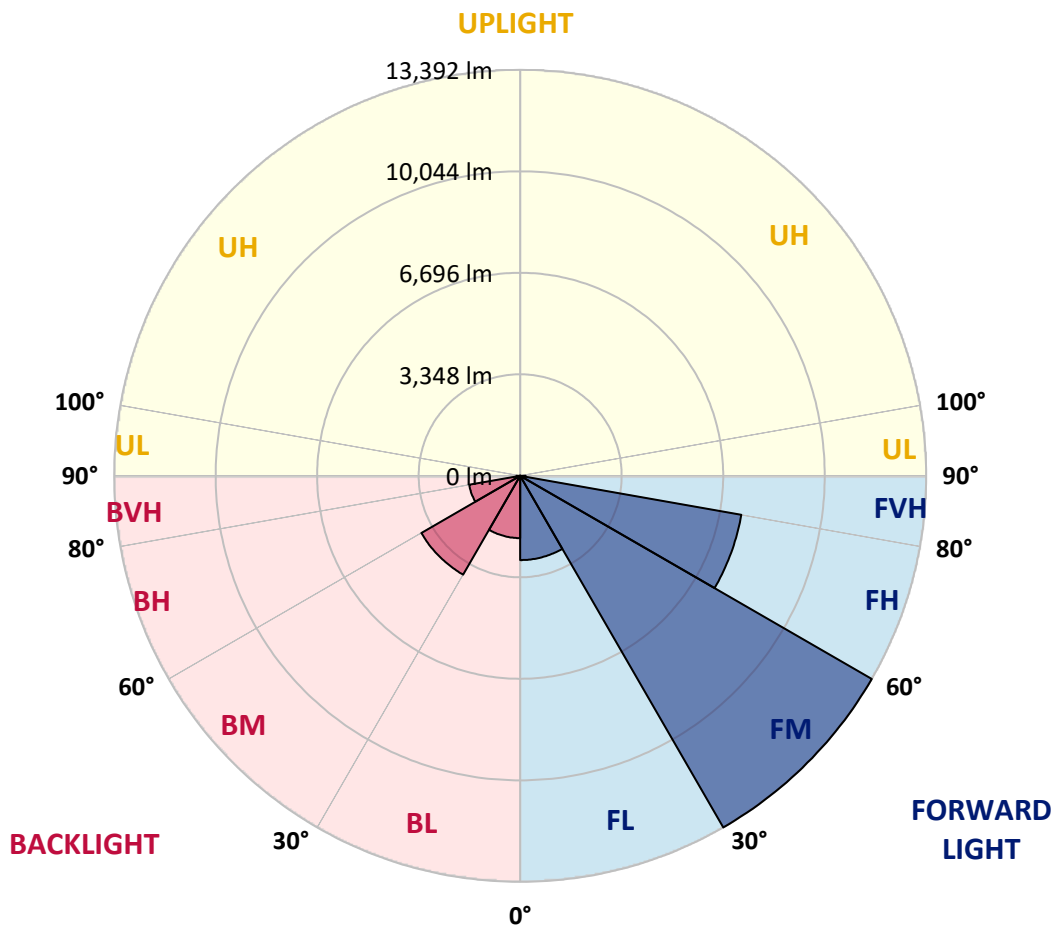
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2779.5	8.9			
FM	(30°-60°)	13391.6	42.6			
FH	(60°-80°)	7405.7	23.6			G3/7500
FVH	(80°-90°)	178.7	0.6			G2/225
BL	(0°-30°)	2055.5	6.5	B3/2500		
BM	(30°-60°)	3764.9	12.0	B3/5000		
BH	(60°-80°)	1707.2	5.4	B3/2500		G3/2500
BVH	(80°-90°)	120.0	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°	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0
2.5°	5131.8	5123.8	5139.9	5164.2	5176.3	5156.1	5148.0	5144.0	5144.0	5131.8	5152.0
5°	4889.4	4885.3	4921.7	4966.2	5051.0	5111.6	5192.4	5240.9	5224.8	5200.5	5216.7
7.5°	4574.2	4566.1	4610.6	4695.4	4812.6	4946.0	5144.0	5297.5	5358.1	5350.0	5346.0
10°	4695.4	4687.3	4683.3	4659.1	4699.5	4828.8	5034.9	5305.6	5511.7	5515.7	5519.8
12.5°	5115.7	5135.9	5115.7	5038.9	4950.0	4901.5	5022.7	5325.8	5641.0	5665.2	5766.2
15°	5689.5	5669.3	5628.9	5540.0	5402.6	5257.1	5168.2	5418.7	5826.9	5847.1	6069.3
17.5°	6194.6	6210.7	6186.5	6101.6	5940.0	5750.1	5479.3	5580.4	6024.9	6081.4	6392.6
20°	6744.1	6808.8	6776.4	6671.4	6538.0	6255.2	5915.8	5814.7	6243.1	6283.5	6728.0
22.5°	7378.5	7447.2	7386.6	7285.6	7176.5	6829.0	6392.6	6101.6	6424.9	6509.7	7051.2
25°	8138.2	8202.9	8146.3	7988.7	7851.3	7427.0	6905.7	6424.9	6602.7	6695.6	7313.9
27.5°	8740.3	8788.8	8841.3	8748.4	8538.2	8097.8	7439.1	6760.3	6780.5	6877.5	7556.3
30°	9277.7	9398.9	9443.4	9455.5	9277.7	8784.7	7984.6	7107.8	6934.0	7035.1	7798.8
32.5°	10013.1	10195.0	10122.2	10195.0	10089.9	9431.3	8550.4	7467.4	7132.0	7225.0	8029.1
35°	11088.0	11233.5	11043.5	10987.0	10817.3	10085.9	9095.9	7839.2	7394.7	7495.7	8247.3
37.5°	12243.7	12409.3	12134.6	11908.3	11585.0	10732.4	9564.6	8328.1	7758.4	7839.2	8449.3
40°	13253.9	13391.3	13152.8	12853.8	12312.4	11302.2	9968.7	8671.6	8122.0	8223.1	8683.7
42.5°	14187.3	14276.2	14009.5	13722.6	12999.3	11815.3	10405.1	9035.3	8546.3	8643.3	8873.6
45°	15132.8	15201.5	14829.8	14421.7	13573.1	12284.1	10886.0	9544.4	9168.6	9297.9	9180.7
47.5°	15302.6	15322.8	15258.1	14983.3	14025.7	12732.6	11479.9	10227.3	10118.2	10259.6	9710.1
50°	14126.7	14308.5	14708.6	14979.3	14207.5	13108.4	12073.9	11205.2	11427.4	11609.3	10809.2
52.5°	11843.6	12017.4	12942.7	13969.1	13771.1	13193.3	12712.4	12445.7	13274.1	13492.3	12304.3
55°	9435.3	9588.8	10566.7	12045.7	12360.8	12805.3	13395.3	14029.7	15629.9	15775.3	13944.8
57.5°	7770.5	7855.3	8554.4	9976.8	10481.9	11564.8	13763.0	15912.7	18026.1	18248.3	15371.3
60°	6372.4	6465.3	6986.6	8158.4	8829.2	9790.9	13472.1	17771.5	20887.0	20887.0	17201.7
62.5°	4796.4	4877.3	5362.2	6279.4	7406.8	8287.7	12542.7	19003.9	23044.8	22947.8	18527.1
65°	3293.3	3357.9	3709.5	4319.6	5333.9	7063.3	11273.9	19020.1	24475.2	24345.9	19092.8
66°	2763.9	2820.5	3119.5	3612.5	4465.1	6408.7	10825.3	18676.6	24774.2	24592.4	18854.4
67.5°	2182.0	2222.4	2420.4	2711.4	3273.1	5188.4	10118.2	17702.8	24745.9	24636.8	18248.3
70°	1559.8	1588.0	1733.5	1794.1	1935.5	3002.3	8037.2	15504.6	22761.9	22794.2	15864.2
72.5°	1208.2	1252.7	1341.5	1353.7	1321.3	1596.1	4877.3	12934.6	18620.1	18607.9	11774.9
75°	973.8	998.1	1042.5	1066.8	1058.7	1030.4	2064.9	9649.5	12817.5	12967.0	6594.6
77.5°	767.8	763.7	804.1	836.4	860.7	808.2	945.6	5657.1	6719.9	6530.0	2477.0
80°	565.7	565.7	622.3	634.4	670.8	678.9	630.4	2182.0	2307.3	2097.2	642.5
82.5°	371.8	371.8	432.4	440.4	476.8	529.3	456.6	654.6	638.4	606.1	290.9
85°	202.0	194.0	214.2	242.4	262.7	311.1	274.8	327.3	335.4	331.3	194.0
87.5°	40.4	36.4	56.6	64.7	72.7	97.0	88.9	133.3	185.9	181.8	84.9
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°	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0
2.5°	5180.3	5176.3	5220.7	5273.3	5333.9	5370.2	5386.4	5414.7	5394.5	5402.6	5426.8
5°	5257.1	5269.2	5333.9	5402.6	5430.9	5410.6	5366.2	5350.0	5313.7	5305.6	5297.5
7.5°	5370.2	5390.4	5455.1	5471.3	5386.4	5245.0	5144.0	5087.4	5026.8	5010.6	5002.5
10°	5556.1	5568.2	5584.4	5418.7	5208.6	5018.7	4893.4	4840.9	4800.5	4768.2	4776.2
12.5°	5790.5	5782.4	5657.1	5313.7	5014.6	4820.7	4735.8	4703.5	4675.2	4655.0	4651.0
15°	6085.5	6028.9	5669.3	5168.2	4832.8	4671.2	4610.6	4598.4	4566.1	4566.1	4562.1
17.5°	6384.5	6239.0	5661.2	5014.6	4659.1	4570.2	4533.8	4525.7	4517.6	4513.6	4525.7
20°	6683.5	6424.9	5596.5	4824.7	4537.8	4485.3	4477.2	4481.3	4473.2	4485.3	4477.2
22.5°	6946.2	6546.1	5475.3	4622.7	4453.0	4448.9	4428.7	4436.8	4465.1	4469.1	4481.3
25°	7148.2	6590.6	5297.5	4436.8	4392.4	4384.3	4408.5	4440.9	4465.1	4469.1	4489.3
27.5°	7313.9	6566.3	5075.3	4291.3	4287.3	4331.8	4404.5	4416.6	4420.6	4420.6	4404.5
30°	7439.1	6513.8	4792.4	4129.7	4149.9	4259.0	4327.7	4327.7	4295.4	4287.3	4311.5
32.5°	7467.4	6445.1	4485.3	3964.0	3996.4	4125.7	4210.5	4182.2	4145.9	4145.9	4162.0
35°	7491.7	6352.2	4238.8	3737.8	3786.2	3939.8	4020.6	3964.0	3923.6	3911.5	3907.5
37.5°	7483.6	6315.8	4016.6	3450.9	3515.5	3665.0	3717.5	3665.0	3604.4	3576.1	3612.5
40°	7491.7	6291.5	3737.8	3135.7	3200.3	3289.2	3357.9	3317.5	3260.9	3188.2	3224.6
42.5°	7540.2	6323.9	3430.7	2828.6	2828.6	2877.1	2994.2	2966.0	2828.6	2800.3	2832.6
45°	7798.8	6497.6	3123.5	2521.5	2477.0	2509.3	2630.6	2509.3	2424.5	2424.5	2452.8
47.5°	8425.1	6820.9	2852.8	2250.7	2145.7	2210.3	2242.7	2129.5	2064.9	2048.7	2077.0
50°	9702.0	7467.4	2691.2	2028.5	1899.2	1947.7	1927.5	1923.4	1858.8	1866.9	1883.0
52.5°	11641.6	8728.2	2642.7	1919.4	1757.8	1769.9	1749.7	1757.8	1745.6	1786.0	1798.2
55°	13754.9	10057.6	2703.3	1935.5	1660.8	1575.9	1584.0	1624.4	1672.9	1737.5	1749.7
57.5°	15334.9	10724.3	2860.9	2044.7	1539.5	1410.2	1430.4	1507.2	1600.2	1652.7	1681.0
60°	16510.8	10643.5	3091.2	2072.9	1394.1	1260.7	1297.1	1410.2	1491.1	1535.5	1563.8
62.5°	16894.6	10138.4	3147.8	1866.9	1204.2	1119.3	1208.2	1325.4	1361.8	1410.2	1430.4
65°	16579.5	9423.2	2735.6	1515.3	1058.7	1014.2	1143.6	1232.4	1280.9	1305.2	1309.2
66°	16207.7	8994.8	2513.4	1377.9	1006.2	981.9	1119.3	1192.0	1240.5	1236.5	1240.5
67.5°	15391.5	8097.8	2153.8	1184.0	929.4	933.4	1078.9	1127.4	1143.6	1131.4	1131.4
70°	12615.4	5701.6	1543.6	897.1	816.2	872.8	969.8	981.9	1018.3	1002.1	1002.1
72.5°	7778.6	2800.3	1034.4	686.9	727.3	816.2	812.2	852.6	937.5	961.7	977.9
75°	3822.6	1135.5	682.9	581.9	650.6	682.9	674.8	775.8	897.1	1002.1	1038.5
77.5°	1450.7	565.7	476.8	509.1	525.3	513.2	537.4	703.1	897.1	1087.0	1123.3
80°	448.5	392.0	375.8	420.2	396.0	375.8	404.1	581.9	759.7	824.3	824.3
82.5°	270.7	307.1	290.9	286.9	266.7	270.7	290.9	416.2	585.9	614.2	614.2
85°	189.9	202.0	165.7	157.6	153.6	149.5	149.5	242.4	347.5	343.5	355.6
87.5°	72.7	80.8	60.6	60.6	56.6	40.4	32.3	40.4	40.4	28.3	20.2
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)