

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: P1211199

Luminaire Tested: **ARCH4-200-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211199
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: ARCH4-200-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30232 lumens
Efficiency: N/A
Efficacy: 148.4 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): 203.7
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

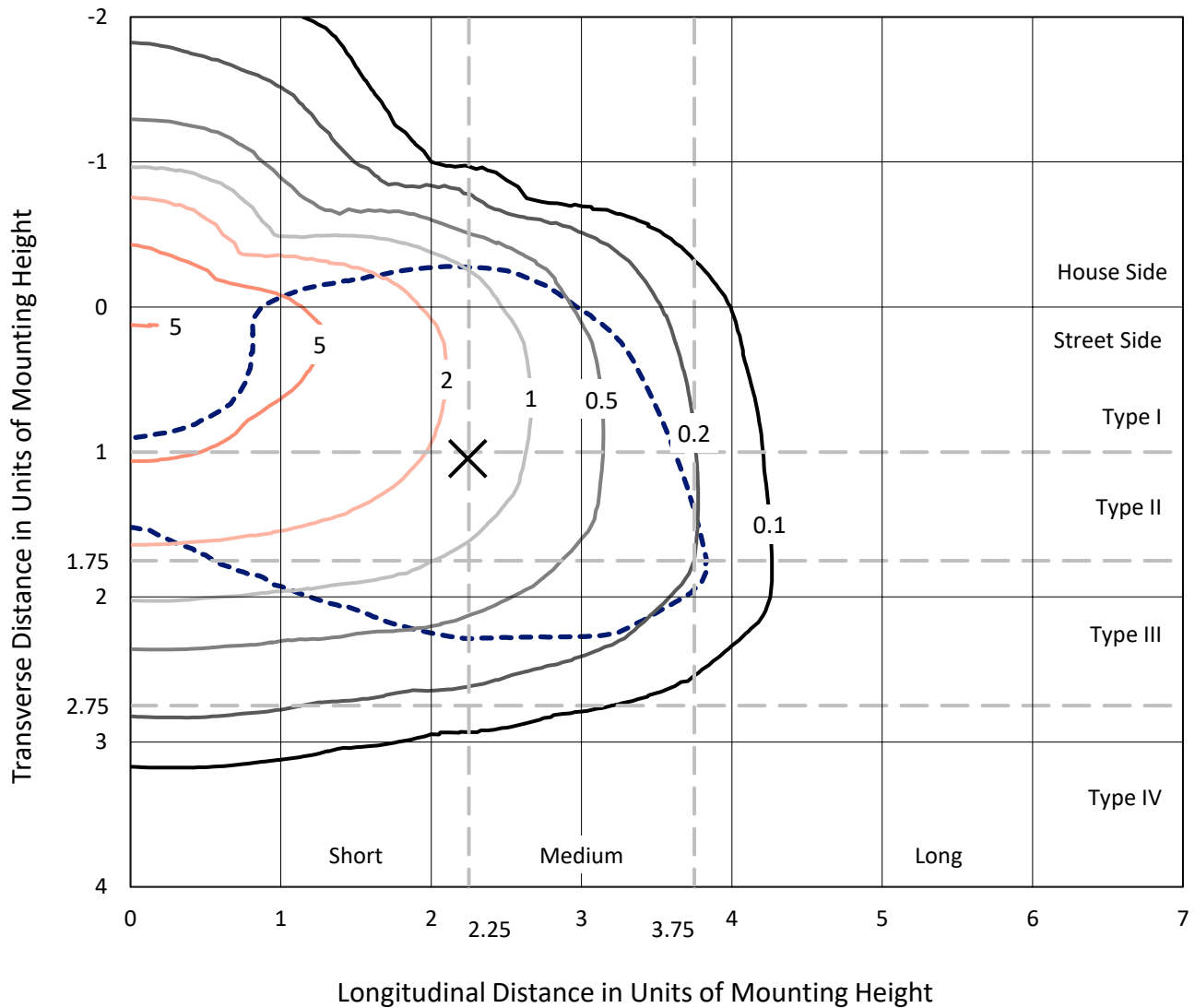


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

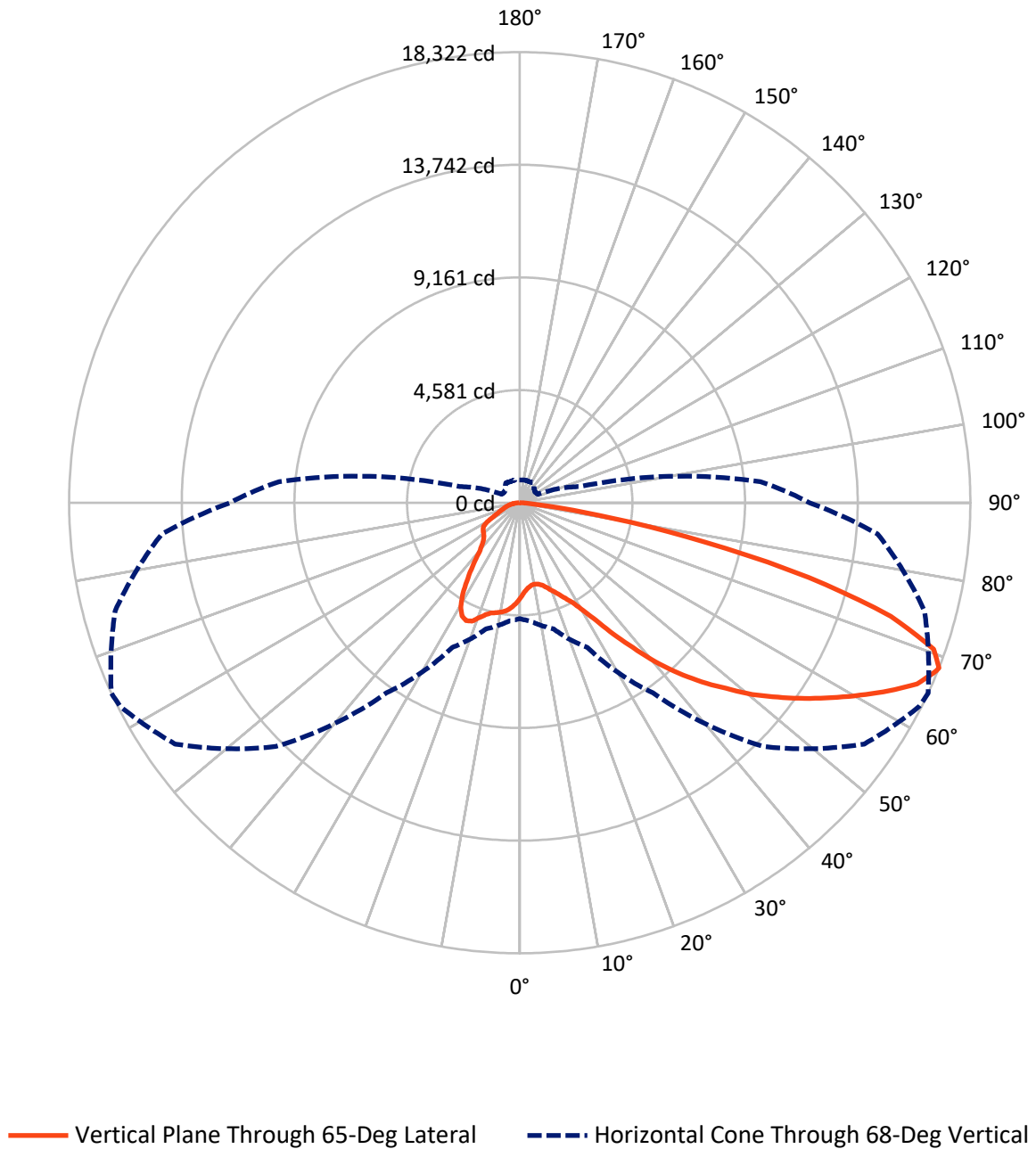


Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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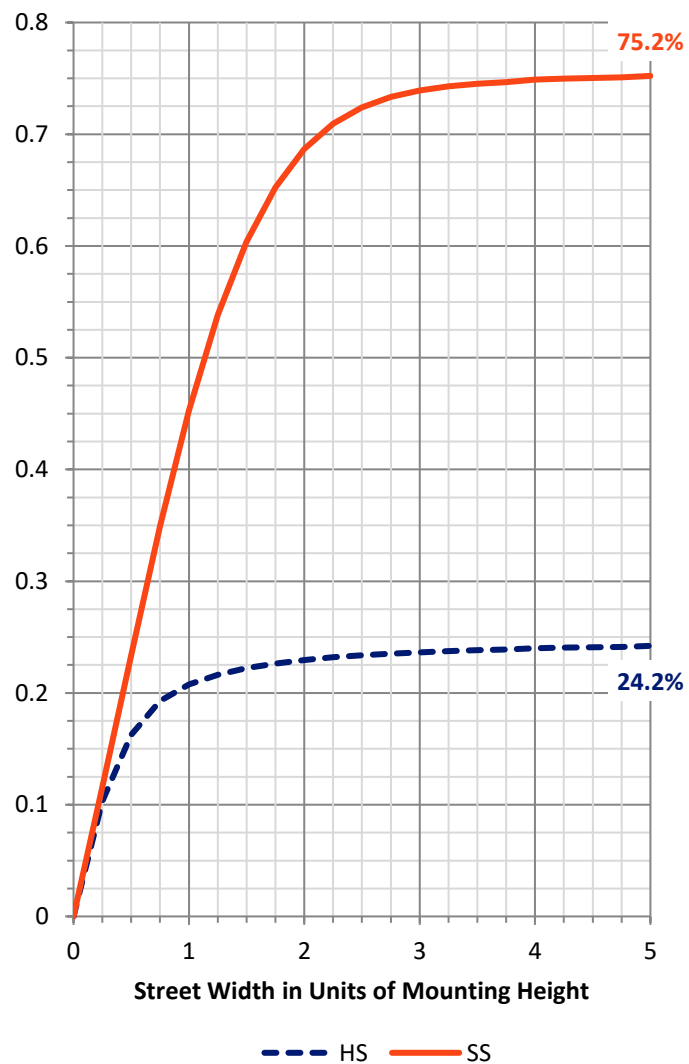
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7412.0	0.0	7412.0
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	22820.0	0.0	22820.0
	% Fixture	75.5	0.0	75.5
Total	Lumens	30232.0	0.0	30232.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.2	1.2
10°-20°	1202.2	4.0
20°-30°	2175.8	7.2
30°-40°	3422.8	11.3
40°-50°	5097.8	16.9
50°-60°	6687.3	22.1
60°-70°	7313.0	24.2
70°-80°	3618.7	12.0
80°-90°	345.2	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°	30232.0	100.0
0°-180°	30232.0	100.0

Coefficient of Utilization



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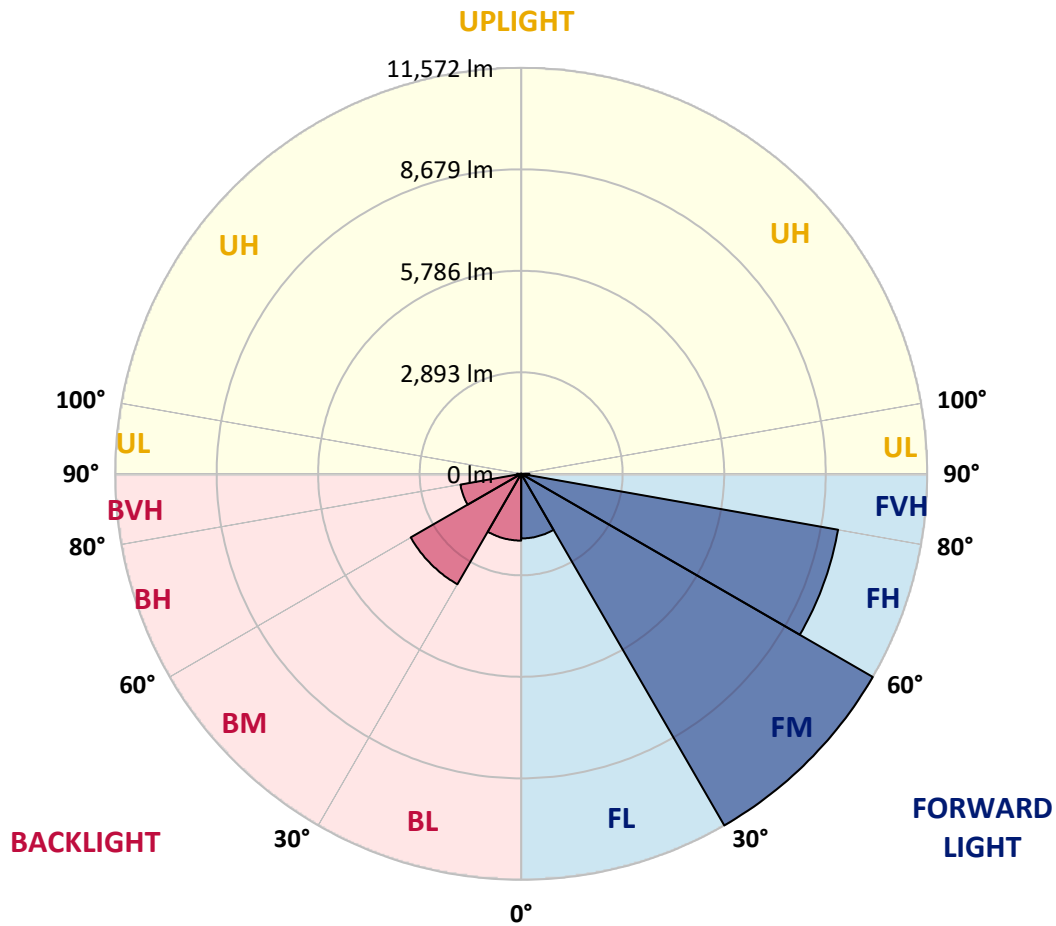
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1843.0	6.1			
FM	(30°-60°)	11572.4	38.3			
FH	(60°-80°)	9172.5	30.3			G4/12000
FVH	(80°-90°)	232.2	0.8			G3/500
BL	(0°-30°)	1904.2	6.3	B3/2500		
BM	(30°-60°)	3635.5	12.0	B3/5000		
BH	(60°-80°)	1759.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	113.0	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3
2.5°	3372.1	3364.3	3383.8	3403.3	3446.2	3496.8	3567.0	3625.5	3633.3	3742.4	3828.2
5°	3173.3	3161.6	3181.1	3204.5	3223.9	3286.3	3360.4	3446.2	3481.2	3641.1	3824.3
7.5°	3192.8	3188.9	3196.7	3188.9	3188.9	3216.2	3266.8	3352.6	3391.6	3582.6	3843.8
10°	3305.8	3313.6	3317.5	3294.1	3270.7	3259.0	3274.6	3333.1	3360.4	3586.5	3929.6
12.5°	3492.9	3504.6	3508.5	3465.6	3434.5	3383.8	3356.5	3379.9	3399.4	3625.5	4050.4
15°	3746.3	3754.1	3726.8	3699.6	3621.6	3559.2	3492.9	3473.4	3481.2	3707.3	4186.8
17.5°	4042.6	4030.9	4030.9	3964.6	3863.3	3765.8	3656.7	3641.1	3641.1	3839.9	4381.8
20°	4366.2	4377.9	4342.8	4253.1	4151.8	3999.7	3890.6	3820.4	3828.2	3991.9	4619.6
22.5°	4834.0	4853.5	4759.9	4631.3	4475.3	4299.9	4144.0	4030.9	4034.8	4190.7	4865.2
25°	5336.9	5344.7	5286.2	5114.7	4904.1	4654.7	4448.0	4303.8	4299.9	4413.0	5180.9
27.5°	5851.4	5886.5	5769.6	5605.9	5410.9	5099.1	4826.2	4631.3	4600.1	4752.1	5574.7
30°	6381.6	6424.5	6311.5	6151.6	5909.9	5644.8	5321.3	5095.2	5075.7	5278.4	6100.9
32.5°	6915.7	6927.4	6837.7	6705.2	6486.9	6237.4	5976.2	5726.7	5707.2	6038.6	6783.2
35°	7352.3	7387.4	7325.0	7293.8	7134.0	6904.0	6650.6	6506.4	6557.1	6982.0	7668.1
37.5°	7878.6	7913.7	7843.5	7835.7	7785.0	7586.2	7410.8	7422.5	7473.2	8050.1	8599.8
40°	8638.8	8677.8	8498.4	8420.5	8420.5	8225.6	8167.1	8443.9	8510.1	9102.7	9570.5
42.5°	9282.0	9344.4	9239.1	9188.5	9036.4	8900.0	8970.1	9360.0	9473.0	10108.5	10416.4
45°	9593.9	9640.7	9765.4	9913.5	9765.4	9527.6	9792.7	10233.2	10393.0	11036.3	11262.4
47.5°	9761.5	9804.4	9948.6	10346.3	10447.6	10248.8	10623.1	11172.7	11281.9	11956.3	12069.3
50°	9784.9	9921.3	10108.5	10506.1	10970.0	10997.3	11457.3	12127.8	12256.5	12860.7	12778.8
52.5°	9593.9	9648.5	10034.4	10704.9	11219.5	11687.3	12365.6	13043.9	13137.5	13710.6	13406.5
55°	9282.0	9360.0	9745.9	10658.1	11461.2	12342.2	13289.5	13944.5	14049.7	14537.0	13987.3
57.5°	9001.3	9040.3	9453.5	10521.7	11702.9	12997.2	14112.1	14884.0	14954.1	15262.1	14416.2
60°	8689.5	8732.3	9145.6	10229.3	11882.2	13492.2	14969.7	15831.3	15893.6	16026.2	14915.2
62.5°	7882.5	7995.6	8514.0	9745.9	11835.4	14057.5	15885.8	16766.9	16844.8	16700.6	15308.9
65°	6401.1	6561.0	7196.4	8650.5	11398.8	14424.0	16634.3	17628.4	17761.0	17207.4	15414.1
67.5°	4970.4	5083.5	5594.2	6865.0	9866.8	14240.7	17117.7	18221.0	18260.0	17125.5	14829.4
68°	4713.1	4826.2	5313.5	6490.8	9441.8	14022.4	17106.0	18236.6	18322.3	17035.9	14603.3
70°	3606.0	3734.6	4198.5	5141.9	7609.6	12634.6	16392.6	17862.3	17850.6	15952.1	13199.9
72.5°	2253.3	2327.3	2647.0	3243.4	5032.8	9613.4	13913.3	15753.3	15784.5	13005.0	10124.1
75°	1430.7	1430.7	1415.1	1571.0	2580.7	5477.2	10342.4	12127.8	12151.2	9106.6	6381.6
77.5°	1243.6	1208.5	1040.9	881.0	1029.2	2128.5	6120.4	7831.8	7703.2	4904.1	3029.0
80°	1048.7	990.2	853.7	709.5	662.7	666.6	2350.7	3976.3	3804.8	1766.0	1005.8
82.5°	756.3	705.6	643.2	557.5	510.7	397.6	491.2	1150.0	1122.7	510.7	327.5
85°	409.3	370.3	362.5	366.4	308.0	245.6	206.6	253.4	253.4	222.2	187.1
87.5°	144.2	105.3	124.7	140.3	120.8	101.4	81.9	97.5	101.4	97.5	89.7
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°	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3	3863.3
2.5°	3878.9	3917.9	4011.4	4093.3	4151.8	4202.4	4229.7	4241.4	4268.7	4272.6	4264.8
5°	3910.1	4011.4	4151.8	4272.6	4338.9	4366.2	4374.0	4377.9	4366.2	4374.0	4366.2
7.5°	3991.9	4120.6	4319.4	4424.6	4436.3	4393.5	4397.4	4381.8	4397.4	4413.0	4413.0
10°	4116.7	4280.4	4467.5	4506.5	4455.8	4432.4	4479.2	4572.8	4604.0	4646.9	4646.9
12.5°	4280.4	4475.3	4607.9	4572.8	4526.0	4604.0	4740.4	4834.0	4865.2	4880.8	4869.1
15°	4467.5	4678.0	4744.3	4627.4	4713.1	4880.8	4927.5	4873.0	4795.0	4759.9	4779.4
17.5°	4705.3	4880.8	4841.8	4763.8	4958.7	4982.1	4830.1	4654.7	4529.9	4483.1	4514.3
20°	4954.8	5106.9	4927.5	4962.6	5083.5	4834.0	4545.5	4319.4	4210.2	4190.7	4221.9
22.5°	5219.9	5317.4	5013.3	5192.6	5013.3	4506.5	4159.6	4042.6	4015.3	4046.5	4073.8
25°	5520.1	5508.4	5161.4	5262.8	4752.1	4105.0	3898.4	3890.6	3890.6	3910.1	3949.0
27.5°	5859.2	5676.0	5309.6	5169.2	4299.9	3773.6	3734.6	3738.5	3726.8	3730.7	3750.2
30°	6253.0	5902.1	5473.3	4861.3	3793.1	3524.1	3508.5	3496.8	3469.5	3461.8	3469.5
32.5°	6748.1	6139.9	5640.9	4354.5	3348.7	3266.8	3259.0	3196.7	3130.4	3122.6	3149.9
35°	7375.7	6572.6	5726.7	3719.0	2982.3	2978.4	2951.1	2853.6	2767.8	2767.8	2748.3
37.5°	8093.0	7130.1	5761.8	3099.2	2678.2	2697.7	2619.7	2495.0	2428.7	2389.7	2401.4
40°	8825.9	7765.5	5757.9	2557.3	2413.1	2417.0	2358.5	2206.5	2042.7	1945.3	1968.7
42.5°	9531.5	8342.5	5656.5	2268.8	2198.7	2187.0	2140.2	1933.6	1797.1	1719.2	1723.1
45°	10096.8	8939.0	5500.6	2097.3	2003.8	2023.3	1918.0	1793.2	1668.5	1598.3	1594.4
47.5°	10662.0	9391.2	5251.1	1992.1	1859.5	1824.4	1781.6	1695.8	1602.2	1524.3	1528.2
50°	11176.6	9777.1	5017.2	1921.9	1727.0	1637.3	1645.1	1594.4	1512.6	1442.4	1438.5
52.5°	11539.2	10030.5	4888.6	1882.9	1567.1	1469.7	1497.0	1469.7	1391.7	1341.0	1337.1
55°	11901.7	10225.4	4931.4	1832.2	1391.7	1313.7	1360.5	1352.7	1309.9	1294.3	1298.2
57.5°	12194.1	10373.6	5083.5	1738.7	1224.1	1177.3	1255.3	1231.9	1200.7	1204.6	1204.6
60°	12478.7	10564.6	5262.8	1524.3	1079.8	1083.7	1157.8	1114.9	1095.4	1130.5	1134.4
62.5°	12774.9	10771.2	5114.7	1212.4	955.1	982.4	1068.2	1033.1	1040.9	1091.5	1107.1
65°	12739.9	10751.7	4167.4	994.1	845.9	900.5	1029.2	1017.5	1021.4	1040.9	1048.7
67.5°	12022.6	10065.6	2865.3	845.9	768.0	834.3	998.0	951.2	955.1	943.4	947.3
68°	11780.9	9823.9	2526.1	822.6	752.4	818.7	982.4	939.5	943.4	931.7	927.8
70°	10463.2	8412.7	1598.3	725.1	697.8	775.8	904.4	888.8	884.9	877.1	877.1
72.5°	7976.1	6210.1	842.0	627.6	635.4	709.5	807.0	838.1	818.7	822.6	845.9
75°	5282.3	3734.6	584.8	538.0	557.5	608.1	717.3	779.7	760.2	771.9	760.2
77.5°	2795.1	2011.6	467.8	456.1	456.1	491.2	592.6	690.0	690.0	682.2	670.5
80°	916.1	709.5	374.2	358.6	366.4	385.9	475.6	565.3	577.0	561.4	553.6
82.5°	308.0	327.5	280.7	261.2	269.0	284.6	358.6	432.7	436.6	405.4	397.6
85°	191.0	218.3	175.4	171.5	171.5	175.4	218.3	237.8	218.3	194.9	202.7
87.5°	89.7	109.2	81.9	70.2	58.5	50.7	39.0	15.6	15.6	7.8	7.8
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)