

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: P1211191

Luminaire Tested: **ARCH4-200-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211191
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: ARCH4-200-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26453 lumens
Efficiency: N/A
Efficacy: 129.9 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

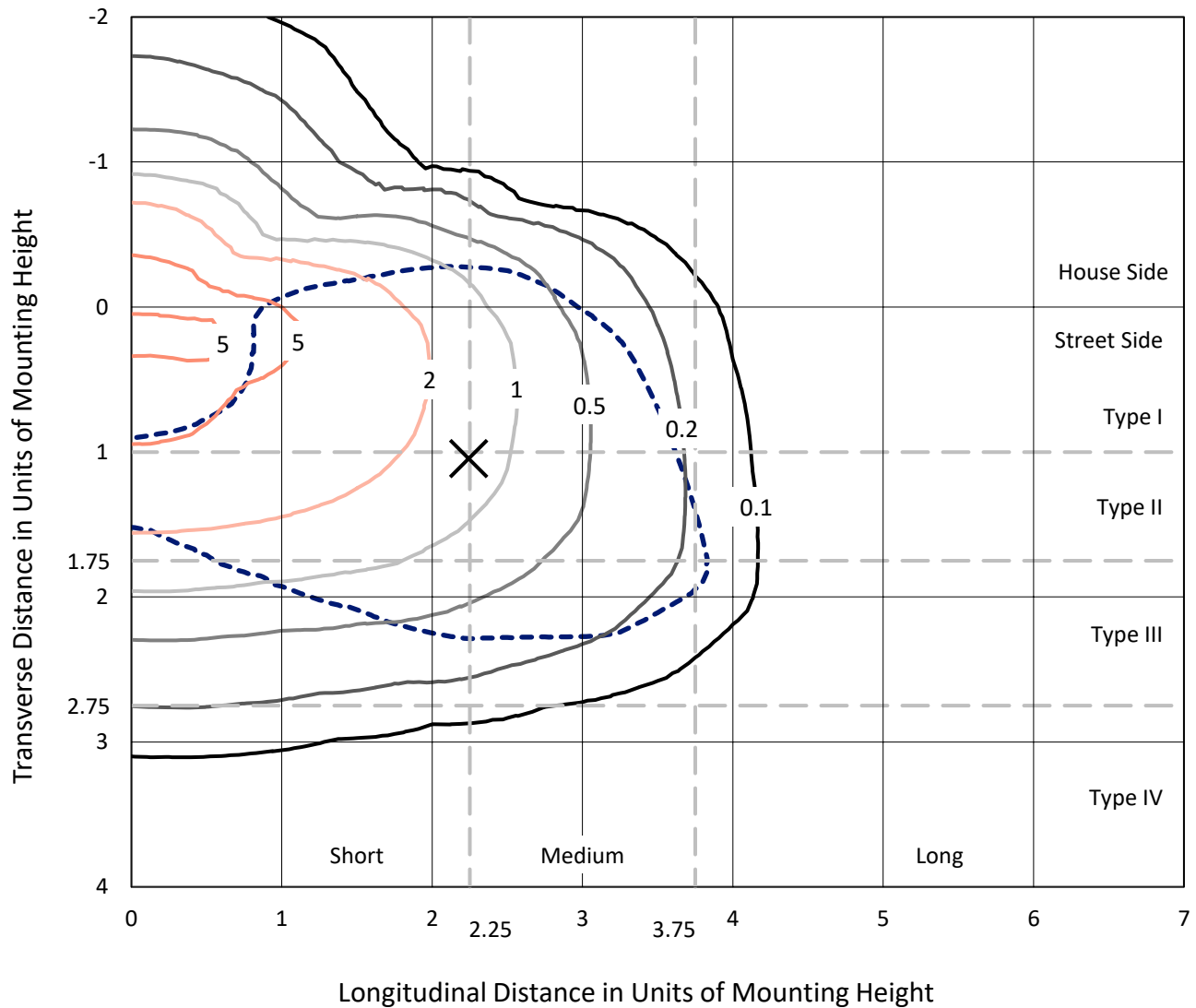


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

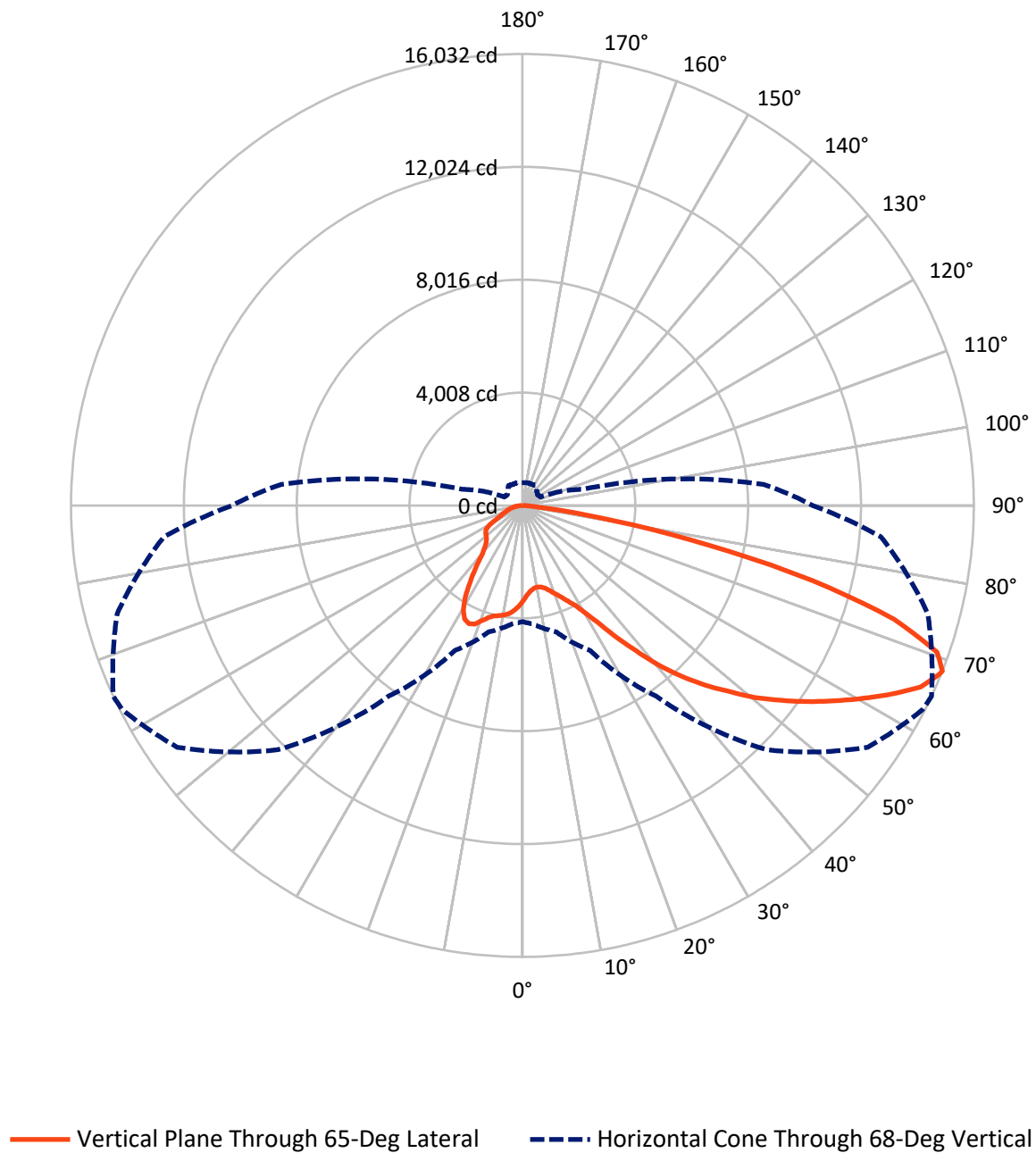


Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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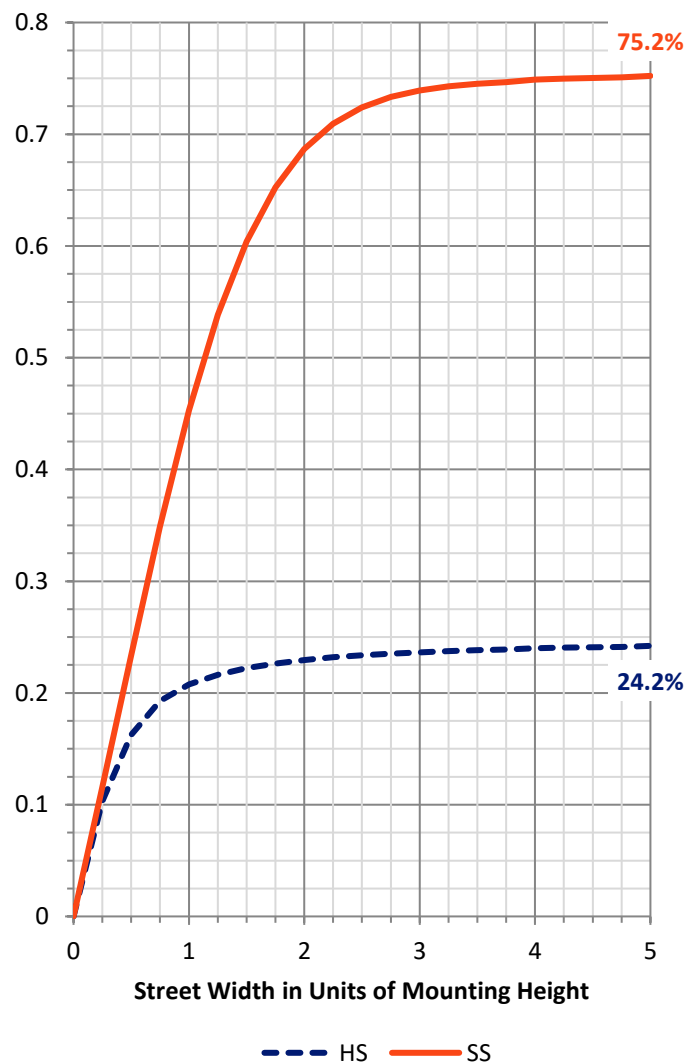
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6485.5	0.0	6485.5
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	19967.5	0.0	19967.5
	% Fixture	75.5	0.0	75.5
Total	Lumens	26453.0	0.0	26453.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.1	1.2
10°-20°	1051.9	4.0
20°-30°	1903.8	7.2
30°-40°	2994.9	11.3
40°-50°	4460.6	16.9
50°-60°	5851.4	22.1
60°-70°	6398.9	24.2
70°-80°	3166.4	12.0
80°-90°	302.0	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°	26453.0	100.0
0°-180°	26453.0	100.0

Coefficient of Utilization



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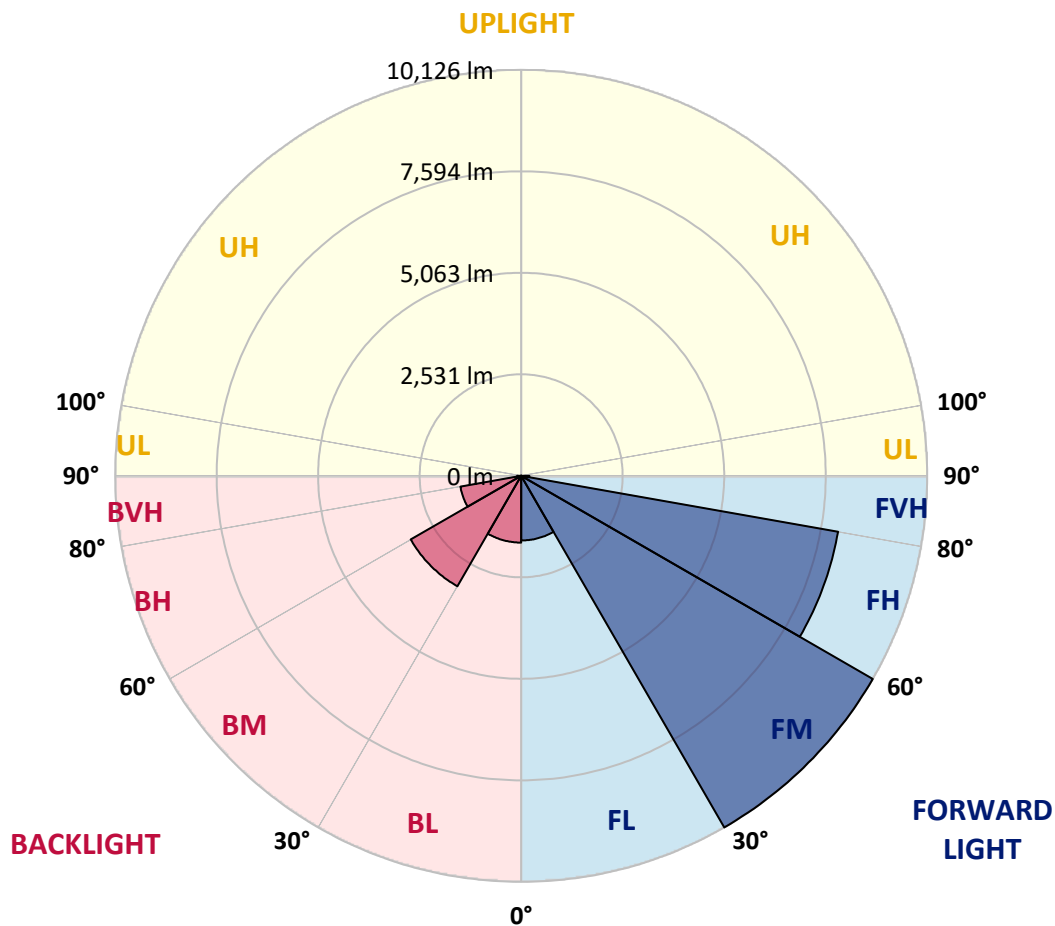
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1612.6	6.1			
FM	(30°-60°)	10125.8	38.3			
FH	(60°-80°)	8025.9	30.3			G4/12000
FVH	(80°-90°)	203.1	0.8			G2/225
BL	(0°-30°)	1666.2	6.3	B3/2500		
BM	(30°-60°)	3181.1	12.0	B3/5000		
BH	(60°-80°)	1539.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	98.9	0.4			G1/100
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°	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4
2.5°	2950.6	2943.8	2960.8	2977.9	3015.4	3059.7	3121.1	3172.3	3179.1	3274.6	3349.7
5°	2776.6	2766.4	2783.4	2803.9	2821.0	2875.5	2940.3	3015.4	3046.1	3185.9	3346.3
7.5°	2793.7	2790.3	2797.1	2790.3	2790.3	2814.1	2858.5	2933.5	2967.6	3134.8	3363.3
10°	2892.6	2899.4	2902.8	2882.4	2861.9	2851.7	2865.3	2916.5	2940.3	3138.2	3438.4
12.5°	3056.3	3066.6	3070.0	3032.4	3005.2	2960.8	2936.9	2957.4	2974.5	3172.3	3544.1
15°	3278.0	3284.9	3261.0	3237.1	3168.9	3114.3	3056.3	3039.3	3046.1	3243.9	3663.5
17.5°	3537.3	3527.0	3527.0	3469.1	3380.4	3295.1	3199.6	3185.9	3185.9	3359.9	3834.0
20°	3820.4	3830.6	3799.9	3721.5	3632.8	3499.8	3404.2	3342.8	3349.7	3492.9	4042.1
22.5°	4229.7	4246.8	4164.9	4052.4	3915.9	3762.4	3626.0	3527.0	3530.5	3666.9	4257.0
25°	4669.8	4676.6	4625.4	4475.3	4291.1	4072.8	3892.0	3765.8	3762.4	3861.3	4533.3
27.5°	5120.0	5150.7	5048.4	4905.1	4734.6	4461.7	4222.9	4052.4	4025.1	4158.1	4877.8
30°	5583.9	5621.4	5522.5	5382.7	5171.2	4939.2	4656.1	4458.3	4441.2	4618.6	5338.3
32.5°	6051.2	6061.5	5983.0	5867.0	5676.0	5457.7	5229.2	5010.9	4993.8	5283.7	5935.3
35°	6433.3	6464.0	6409.4	6382.1	6242.3	6041.0	5819.3	5693.1	5737.4	6109.2	6709.6
37.5°	6893.8	6924.5	6863.1	6856.3	6811.9	6637.9	6484.4	6494.7	6539.0	7043.9	7524.8
40°	7558.9	7593.0	7436.1	7367.9	7367.9	7197.4	7146.2	7388.4	7446.4	7964.9	8374.2
42.5°	8121.8	8176.3	8084.2	8039.9	7906.9	7787.5	7848.9	8190.0	8288.9	8844.9	9114.4
45°	8394.6	8435.6	8544.7	8674.4	8544.7	8336.7	8568.6	8954.1	9093.9	9656.7	9854.6
47.5°	8541.3	8578.8	8705.1	9053.0	9141.7	8967.7	9295.2	9776.1	9871.6	10461.8	10560.7
50°	8561.8	8681.2	8844.9	9192.8	9598.8	9622.6	10025.1	10611.8	10724.4	11253.1	11181.5
52.5°	8394.6	8442.4	8780.1	9366.8	9817.1	10226.4	10819.9	11413.4	11495.3	11996.7	11730.7
55°	8121.8	8190.0	8527.7	9325.9	10028.5	10799.5	11628.3	12201.4	12293.5	12719.9	12238.9
57.5°	7876.2	7910.3	8271.8	9206.5	10240.0	11372.5	12348.1	13023.5	13084.9	13354.3	12614.1
60°	7603.3	7640.8	8002.4	8950.7	10396.9	11805.7	13098.5	13852.4	13906.9	14022.9	13050.8
62.5°	6897.2	6996.1	7449.8	8527.7	10356.0	12300.3	13900.1	14671.0	14739.2	14613.0	13395.3
65°	5601.0	5740.8	6296.8	7569.2	9974.0	12621.0	14555.0	15424.9	15540.8	15056.5	13487.4
67.5°	4349.1	4448.0	4894.9	6006.9	8633.4	12460.6	14978.0	15943.3	15977.5	14984.8	12975.7
68°	4124.0	4222.9	4649.3	5679.4	8261.6	12269.6	14967.8	15957.0	16032.0	14906.4	12777.9
70°	3155.2	3267.8	3673.7	4499.2	6658.4	11055.3	14343.6	15629.5	15619.3	13958.1	11549.9
72.5°	1971.6	2036.4	2316.1	2838.0	4403.7	8411.7	12174.1	13784.1	13811.4	11379.3	8858.6
75°	1251.9	1251.9	1238.2	1374.7	2258.1	4792.6	9049.6	10611.8	10632.3	7968.3	5583.9
77.5°	1088.1	1057.4	910.8	770.9	900.5	1862.4	5355.4	6852.8	6740.3	4291.1	2650.4
80°	917.6	866.4	747.0	620.8	579.9	583.3	2056.9	3479.3	3329.2	1545.2	880.1
82.5°	661.7	617.4	562.8	487.8	446.9	347.9	429.8	1006.3	982.4	446.9	286.5
85°	358.2	324.1	317.2	320.6	269.5	214.9	180.8	221.7	221.7	194.4	163.7
87.5°	126.2	92.1	109.2	122.8	105.7	88.7	71.6	85.3	88.7	85.3	78.5
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°	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4	3380.4
2.5°	3394.0	3428.1	3510.0	3581.6	3632.8	3677.1	3701.0	3711.2	3735.1	3738.5	3731.7
5°	3421.3	3510.0	3632.8	3738.5	3796.5	3820.4	3827.2	3830.6	3820.4	3827.2	3820.4
7.5°	3492.9	3605.5	3779.5	3871.6	3881.8	3844.3	3847.7	3834.0	3847.7	3861.3	3861.3
10°	3602.1	3745.4	3909.1	3943.2	3898.9	3878.4	3919.3	4001.2	4028.5	4066.0	4066.0
12.5°	3745.4	3915.9	4031.9	4001.2	3960.3	4028.5	4147.9	4229.7	4257.0	4270.7	4260.4
15°	3909.1	4093.3	4151.3	4048.9	4124.0	4270.7	4311.6	4263.8	4195.6	4164.9	4182.0
17.5°	4117.2	4270.7	4236.6	4168.3	4338.9	4359.3	4226.3	4072.8	3963.7	3922.7	3950.0
20°	4335.5	4468.5	4311.6	4342.3	4448.0	4229.7	3977.3	3779.5	3684.0	3666.9	3694.2
22.5°	4567.4	4652.7	4386.6	4543.5	4386.6	3943.2	3639.6	3537.3	3513.4	3540.7	3564.6
25°	4830.1	4819.8	4516.3	4604.9	4158.1	3591.9	3411.1	3404.2	3404.2	3421.3	3455.4
27.5°	5126.8	4966.5	4645.9	4523.1	3762.4	3301.9	3267.8	3271.2	3261.0	3264.4	3281.5
30°	5471.4	5164.4	4789.1	4253.6	3319.0	3083.6	3070.0	3059.7	3035.9	3029.0	3035.9
32.5°	5904.6	5372.4	4935.8	3810.2	2930.1	2858.5	2851.7	2797.1	2739.1	2732.3	2756.1
35°	6453.7	5751.1	5010.9	3254.2	2609.5	2606.1	2582.2	2496.9	2421.9	2421.9	2404.8
37.5°	7081.4	6238.8	5041.6	2711.8	2343.4	2360.5	2292.2	2183.1	2125.1	2091.0	2101.2
40°	7722.7	6794.9	5038.2	2237.7	2111.5	2114.9	2063.7	1930.7	1787.4	1702.1	1722.6
42.5°	8340.1	7299.7	4949.5	1985.2	1923.8	1913.6	1872.7	1691.9	1572.5	1504.3	1507.7
45°	8834.7	7821.6	4813.0	1835.2	1753.3	1770.3	1678.2	1569.1	1459.9	1398.5	1395.1
47.5°	9329.3	8217.3	4594.7	1743.1	1627.1	1596.4	1558.9	1483.8	1402.0	1333.7	1337.1
50°	9779.5	8555.0	4390.0	1681.7	1511.1	1432.6	1439.5	1395.1	1323.5	1262.1	1258.7
52.5°	10096.8	8776.7	4277.5	1647.5	1371.3	1286.0	1309.9	1286.0	1217.8	1173.4	1170.0
55°	10414.0	8947.2	4315.0	1603.2	1217.8	1149.5	1190.5	1183.6	1146.1	1132.5	1135.9
57.5°	10669.8	9076.9	4448.0	1521.3	1071.1	1030.1	1098.4	1077.9	1050.6	1054.0	1054.0
60°	10918.8	9244.0	4604.9	1333.7	944.9	948.3	1013.1	975.6	958.5	989.2	992.6
62.5°	11178.1	9424.8	4475.3	1060.8	835.7	859.6	934.6	903.9	910.8	955.1	968.7
65°	11147.4	9407.7	3646.4	869.8	740.2	788.0	900.5	890.3	893.7	910.8	917.6
67.5°	10519.7	8807.4	2507.1	740.2	672.0	730.0	873.2	832.3	835.7	825.5	828.9
68°	10308.3	8595.9	2210.4	719.7	658.3	716.3	859.6	822.1	825.5	815.2	811.8
70°	9155.3	7361.1	1398.5	634.5	610.6	678.8	791.4	777.7	774.3	767.5	767.5
72.5°	6979.1	5433.8	736.8	549.2	556.0	620.8	706.1	733.4	716.3	719.7	740.2
75°	4622.0	3267.8	511.7	470.7	487.8	532.1	627.6	682.2	665.2	675.4	665.2
77.5°	2445.7	1760.1	409.3	399.1	399.1	429.8	518.5	603.8	603.8	596.9	586.7
80°	801.6	620.8	327.5	313.8	320.6	337.7	416.2	494.6	504.8	491.2	484.4
82.5°	269.5	286.5	245.6	228.5	235.4	249.0	313.8	378.6	382.0	354.8	347.9
85°	167.1	191.0	153.5	150.1	150.1	153.5	191.0	208.1	191.0	170.6	177.4
87.5°	78.5	95.5	71.6	61.4	51.2	44.3	34.1	13.6	13.6	6.8	6.8
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)