

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: P1211327

Luminaire Tested: **ARCH4-240-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211327
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: ARCH4-240-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 940mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34557 lumens
Efficiency: N/A
Efficacy: 143.9 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): 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



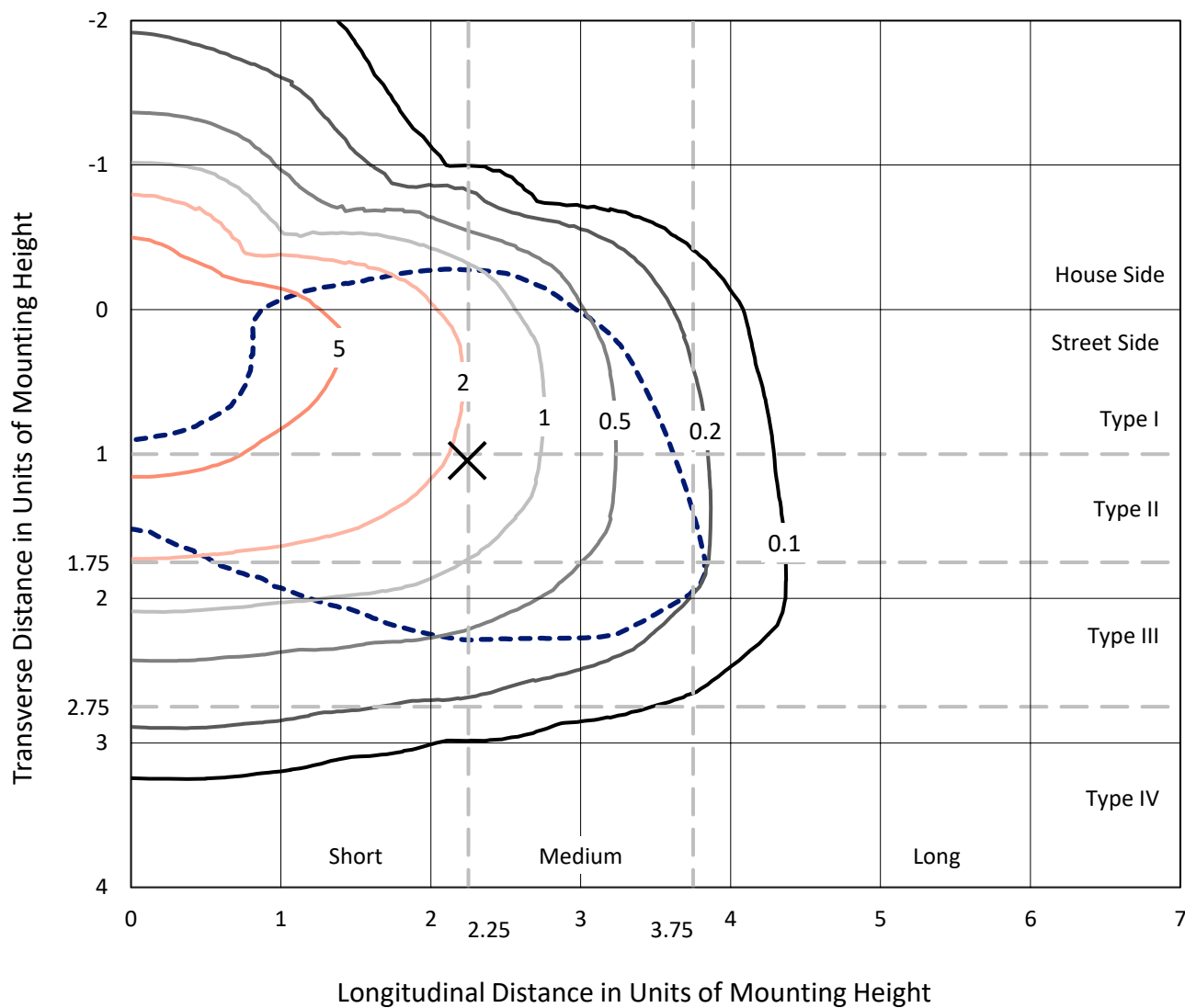
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Iso-Footcandle Lines of Horizontal Illumination

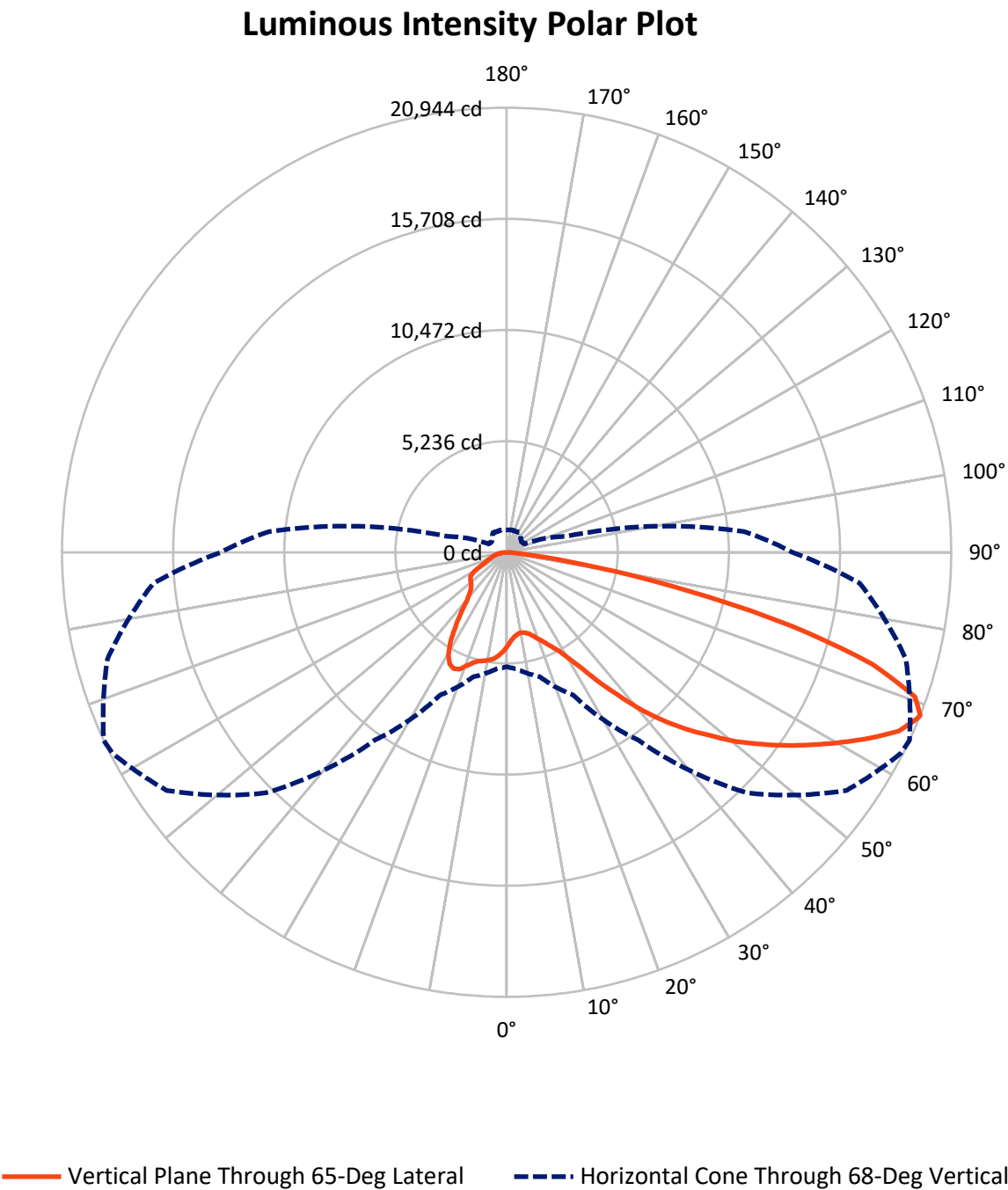
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type III - Short - N/A

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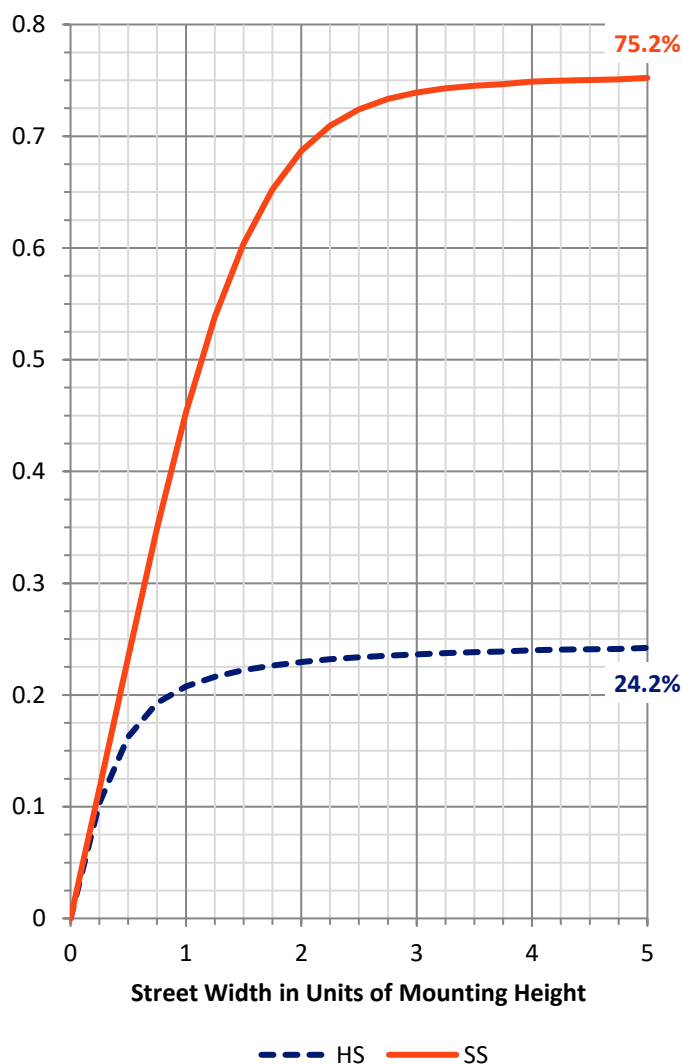
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8472.4	0.0	8472.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	26084.6	0.0	26084.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	34557.0	0.0	34557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.0	1.2
10°-20°	1374.1	4.0
20°-30°	2487.1	7.2
30°-40°	3912.4	11.3
40°-50°	5827.1	16.9
50°-60°	7644.0	22.1
60°-70°	8359.2	24.2
70°-80°	4136.4	12.0
80°-90°	394.6	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°	34557.0	100.0
0°-180°	34557.0	100.0

Coefficient of Utilization



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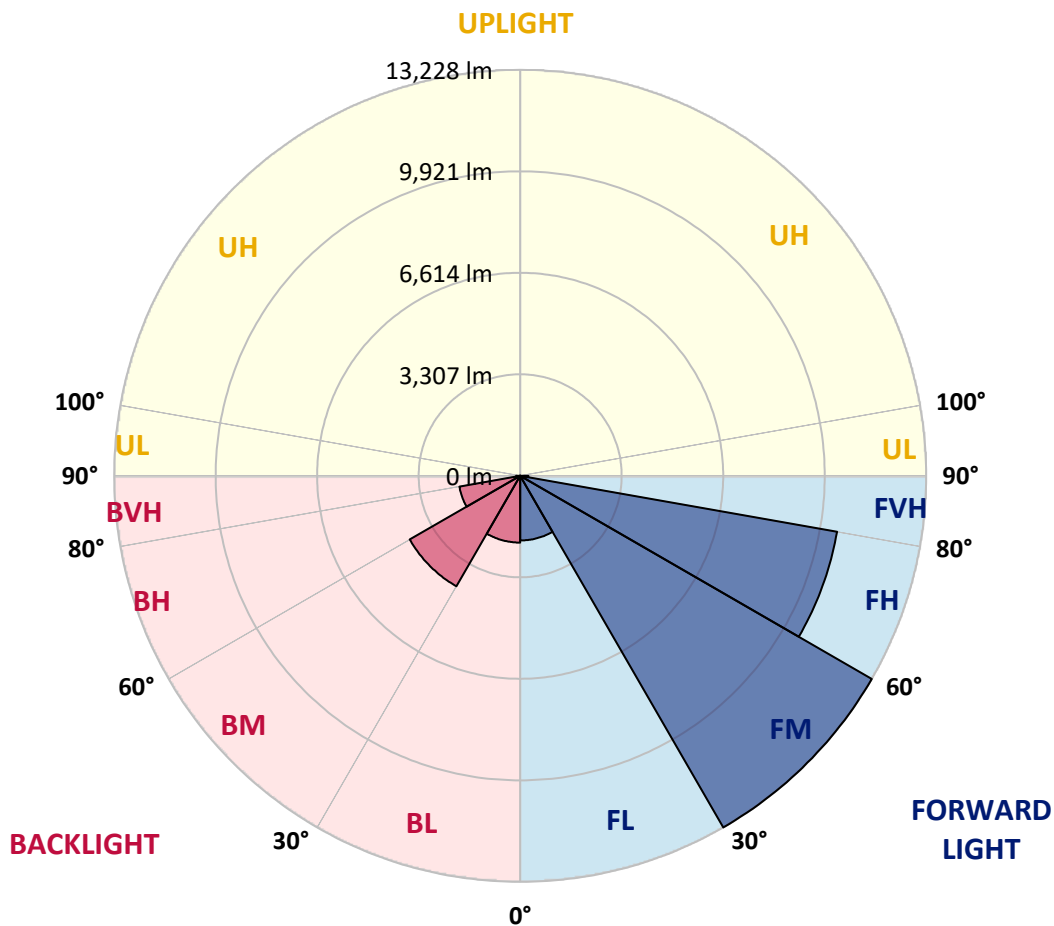
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2106.6	6.1			
FM	(30°-60°)	13227.9	38.3			
FH	(60°-80°)	10484.7	30.3			G4/12000
FVH	(80°-90°)	265.4	0.8			G3/500
BL	(0°-30°)	2176.6	6.3	B3/2500		
BM	(30°-60°)	4155.6	12.0	B3/5000		
BH	(60°-80°)	2010.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	129.2	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°	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0
2.5°	3854.5	3845.6	3867.9	3890.1	3939.2	3997.1	4077.3	4144.1	4153.1	4277.8	4375.9
5°	3627.2	3613.9	3636.2	3662.9	3685.2	3756.5	3841.1	3939.2	3979.3	4162.0	4371.4
7.5°	3649.5	3645.1	3654.0	3645.1	3645.1	3676.3	3734.2	3832.2	3876.8	4095.1	4393.7
10°	3778.7	3787.7	3792.1	3765.4	3738.6	3725.3	3743.1	3809.9	3841.1	4099.6	4491.7
12.5°	3992.6	4006.0	4010.5	3961.4	3925.8	3867.9	3836.7	3863.4	3885.7	4144.1	4629.9
15°	4282.3	4291.2	4260.0	4228.8	4139.7	4068.4	3992.6	3970.4	3979.3	4237.7	4785.8
17.5°	4620.9	4607.6	4607.6	4531.8	4416.0	4304.6	4179.8	4162.0	4162.0	4389.2	5008.6
20°	4990.8	5004.2	4964.1	4861.6	4745.7	4571.9	4447.2	4366.9	4375.9	4563.0	5280.4
22.5°	5525.5	5547.8	5440.9	5293.8	5115.6	4915.0	4736.8	4607.6	4612.0	4790.3	5561.2
25°	6100.4	6109.3	6042.4	5846.4	5605.7	5320.5	5084.4	4919.5	4915.0	5044.3	5922.1
27.5°	6688.6	6728.7	6595.0	6407.8	6185.0	5828.5	5516.6	5293.8	5258.2	5431.9	6372.2
30°	7294.6	7343.6	7214.4	7031.7	6755.4	6452.4	6082.5	5824.1	5801.8	6033.5	6973.7
32.5°	7905.1	7918.4	7815.9	7664.4	7414.9	7129.7	6831.2	6546.0	6523.7	6902.5	7753.6
35°	8404.1	8444.3	8373.0	8337.3	8154.6	7891.7	7602.1	7437.2	7495.1	7980.8	8765.1
37.5°	9005.7	9045.8	8965.6	8956.7	8898.8	8671.5	8471.0	8484.4	8542.3	9201.8	9830.1
40°	9874.6	9919.2	9714.2	9625.1	9625.1	9402.3	9335.5	9651.8	9727.6	10404.9	10939.6
42.5°	10609.9	10681.2	10560.9	10503.0	10329.2	10173.2	10253.4	10699.0	10828.2	11554.6	11906.6
45°	10966.4	11019.9	11162.5	11331.8	11162.5	10890.6	11193.6	11697.2	11879.9	12615.1	12873.6
47.5°	11158.0	11207.0	11371.9	11826.4	11942.3	11715.0	12142.8	12771.1	12895.9	13666.8	13796.0
50°	11184.7	11340.7	11554.6	12009.1	12539.4	12570.6	13096.4	13862.8	14009.9	14700.6	14607.0
52.5°	10966.4	11028.8	11469.9	12236.4	12824.6	13359.3	14134.7	14910.0	15017.0	15672.0	15324.4
55°	10609.9	10699.0	11140.2	12182.9	13100.8	14107.9	15190.7	15939.4	16059.7	16616.7	15988.4
57.5°	10289.1	10333.6	10806.0	12026.9	13377.1	14856.5	16131.0	17013.3	17093.5	17445.5	16478.5
60°	9932.6	9981.6	10453.9	11692.7	13582.1	15422.5	17111.3	18096.1	18167.4	18318.9	17048.9
62.5°	9010.2	9139.4	9732.1	11140.2	13528.6	16068.6	18158.5	19165.6	19254.7	19089.8	17499.0
65°	7316.9	7499.6	8225.9	9888.0	13029.5	16487.5	19014.0	20150.3	20301.9	19669.1	17619.3
67.5°	5681.5	5810.7	6394.5	7847.1	11278.3	16278.0	19566.6	20827.7	20872.2	19575.5	16950.9
68°	5387.4	5516.6	6073.6	7419.4	10792.6	16028.5	19553.2	20845.5	20943.5	19473.0	16692.4
70°	4121.9	4268.9	4799.2	5877.6	8698.2	14442.1	18737.8	20417.7	20404.3	18234.2	15088.2
72.5°	2575.6	2660.3	3025.7	3707.4	5752.8	10988.7	15903.7	18007.0	18042.6	14865.4	11572.4
75°	1635.4	1635.4	1617.6	1795.8	2949.9	6260.8	11822.0	13862.8	13889.6	10409.4	7294.6
77.5°	1421.5	1381.4	1189.8	1007.1	1176.4	2433.0	6996.0	8952.2	8805.2	5605.7	3462.4
80°	1198.7	1131.8	975.9	811.0	757.5	762.0	2687.0	4545.2	4349.1	2018.6	1149.7
82.5°	864.5	806.5	735.3	637.2	583.7	454.5	561.5	1314.5	1283.3	583.7	374.3
85°	467.9	423.3	414.4	418.9	352.0	280.7	236.2	289.6	289.6	254.0	213.9
87.5°	164.9	120.3	142.6	160.4	138.1	115.9	93.6	111.4	115.9	111.4	102.5
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°	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0	4416.0
2.5°	4433.8	4478.3	4585.3	4678.9	4745.7	4803.6	4834.8	4848.2	4879.4	4883.9	4874.9
5°	4469.4	4585.3	4745.7	4883.9	4959.6	4990.8	4999.7	5004.2	4990.8	4999.7	4990.8
7.5°	4563.0	4710.1	4937.3	5057.6	5071.0	5022.0	5026.4	5008.6	5026.4	5044.3	5044.3
10°	4705.6	4892.8	5106.7	5151.2	5093.3	5066.6	5120.0	5227.0	5262.6	5311.6	5311.6
12.5°	4892.8	5115.6	5267.1	5227.0	5173.5	5262.6	5418.6	5525.5	5561.2	5579.0	5565.6
15°	5106.7	5347.3	5423.0	5289.4	5387.4	5579.0	5632.5	5570.1	5481.0	5440.9	5463.1
17.5°	5378.5	5579.0	5534.4	5445.3	5668.1	5694.9	5521.1	5320.5	5178.0	5124.5	5160.1
20°	5663.7	5837.5	5632.5	5672.6	5810.7	5525.5	5195.8	4937.3	4812.6	4790.3	4825.9
22.5°	5966.7	6078.1	5730.5	5935.5	5730.5	5151.2	4754.6	4620.9	4589.8	4625.4	4656.6
25°	6309.8	6296.4	5899.8	6015.7	5431.9	4692.2	4456.1	4447.2	4447.2	4469.4	4514.0
27.5°	6697.5	6488.0	6069.2	5908.7	4915.0	4313.5	4268.9	4273.4	4260.0	4264.5	4286.7
30°	7147.5	6746.5	6256.3	5556.7	4335.8	4028.3	4010.5	3997.1	3965.9	3957.0	3965.9
32.5°	7713.5	7018.3	6447.9	4977.4	3827.8	3734.2	3725.3	3654.0	3578.2	3569.3	3600.5
35°	8430.9	7512.9	6546.0	4251.1	3408.9	3404.4	3373.2	3261.8	3163.8	3163.8	3141.5
37.5°	9250.8	8150.2	6586.1	3542.6	3061.3	3083.6	2994.5	2851.9	2776.1	2731.6	2744.9
40°	10088.5	8876.5	6581.6	2923.2	2758.3	2762.8	2695.9	2522.1	2335.0	2223.6	2250.3
42.5°	10895.1	9536.0	6465.8	2593.4	2513.2	2499.9	2446.4	2210.2	2054.2	1965.1	1969.6
45°	11541.2	10217.8	6287.5	2397.4	2290.4	2312.7	2192.4	2049.8	1907.2	1827.0	1822.5
47.5°	12187.3	10734.7	6002.3	2277.1	2125.5	2085.4	2036.4	1938.4	1831.4	1742.3	1746.8
50°	12775.5	11175.8	5735.0	2196.8	1974.0	1871.5	1880.5	1822.5	1729.0	1648.7	1644.3
52.5°	13190.0	11465.5	5587.9	2152.3	1791.3	1679.9	1711.1	1679.9	1590.8	1532.9	1528.4
55°	13604.4	11688.3	5636.9	2094.4	1590.8	1501.7	1555.2	1546.3	1497.2	1479.4	1483.9
57.5°	13938.6	11857.6	5810.7	1987.4	1399.2	1345.7	1434.9	1408.1	1372.5	1376.9	1376.9
60°	14263.9	12075.9	6015.7	1742.3	1234.3	1238.8	1323.5	1274.4	1252.2	1292.3	1296.7
62.5°	14602.5	12312.1	5846.4	1385.8	1091.7	1122.9	1221.0	1180.9	1189.8	1247.7	1265.5
65°	14562.4	12289.8	4763.5	1136.3	967.0	1029.4	1176.4	1163.0	1167.5	1189.8	1198.7
67.5°	13742.5	11505.6	3275.2	967.0	877.8	953.6	1140.8	1087.3	1091.7	1078.4	1082.8
68°	13466.2	11229.3	2887.5	940.2	860.0	935.8	1122.9	1073.9	1078.4	1065.0	1060.5
70°	11960.1	9616.2	1827.0	828.8	797.6	886.8	1033.8	1016.0	1011.5	1002.6	1002.6
72.5°	9117.1	7098.5	962.5	717.4	726.3	811.0	922.4	958.1	935.8	940.2	967.0
75°	6038.0	4268.9	668.4	614.9	637.2	695.1	819.9	891.2	868.9	882.3	868.9
77.5°	3195.0	2299.3	534.7	521.4	521.4	561.5	677.3	788.7	788.7	779.8	766.4
80°	1047.2	811.0	427.8	410.0	418.9	441.2	543.6	646.1	659.5	641.7	632.8
82.5°	352.0	374.3	320.8	298.6	307.5	325.3	410.0	494.6	499.1	463.4	454.5
85°	218.3	249.5	200.5	196.1	196.1	200.5	249.5	271.8	249.5	222.8	231.7
87.5°	102.5	124.8	93.6	80.2	66.8	57.9	44.6	17.8	17.8	8.9	8.9
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)