

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: P1210455

Luminaire Tested: **ARCH3-130-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210455
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: ARCH3-130-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16428 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 132.6
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



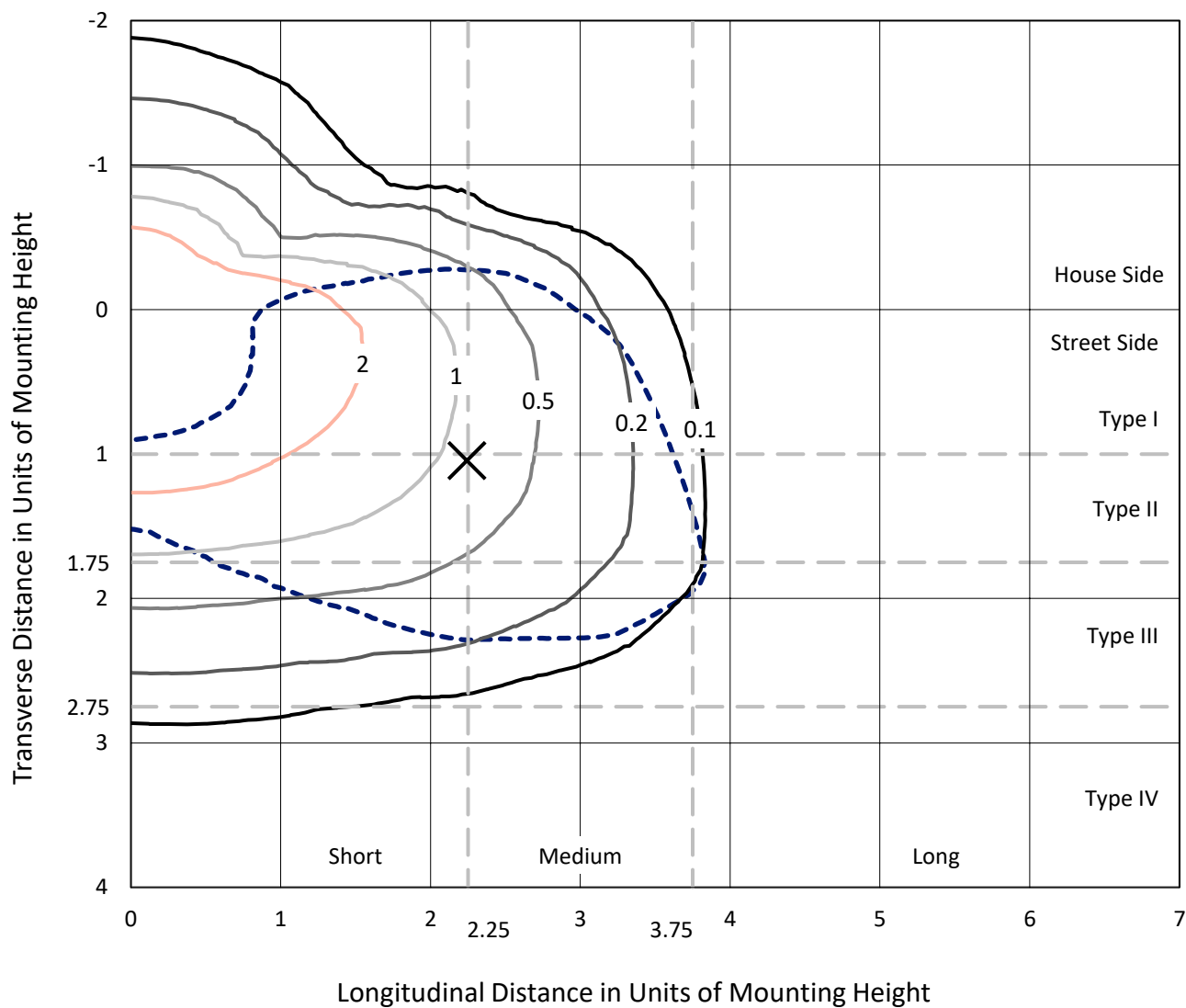
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



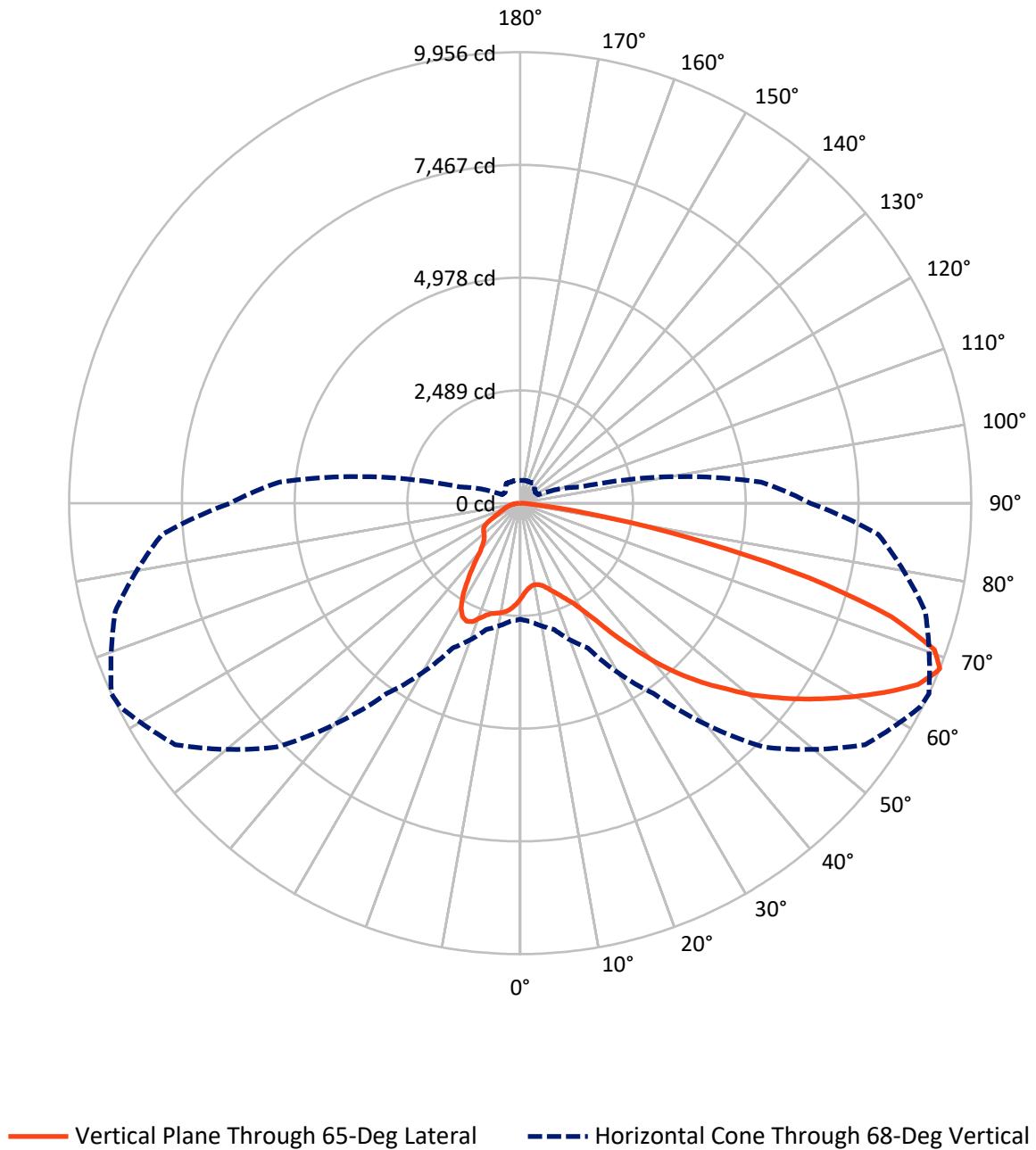
Based on 25 foot mounting height. Maximum calculated value = 3.8 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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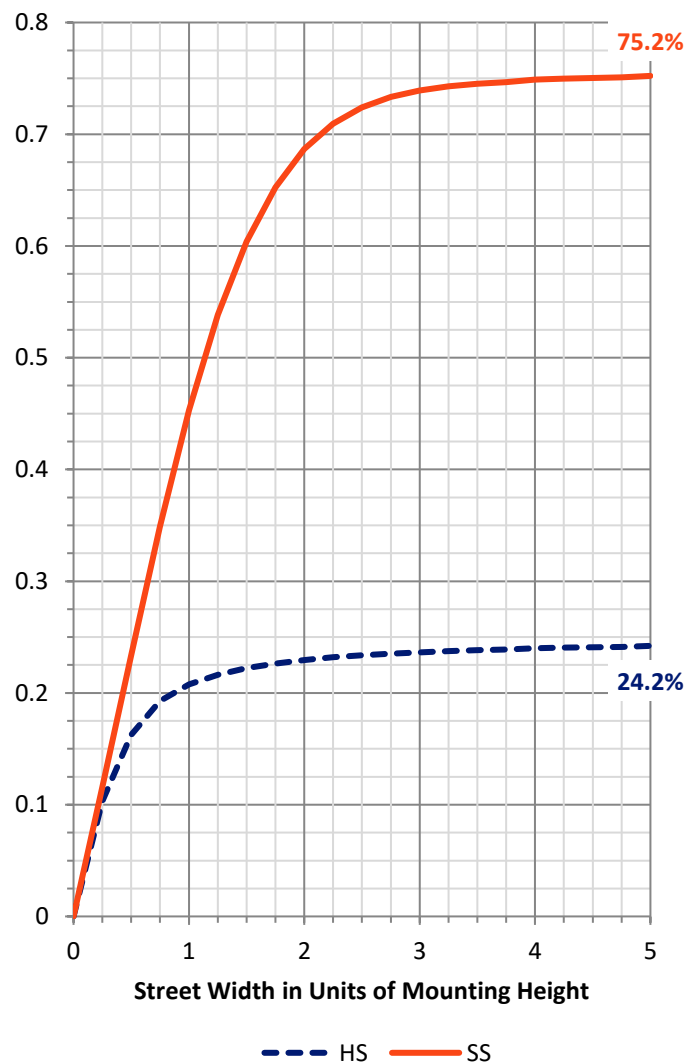
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4027.7	0.0	4027.7
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	12400.3	0.0	12400.3
	% Fixture	75.5	0.0	75.5
Total	Lumens	16428.0	0.0	16428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	1.2
10°-20°	653.2	4.0
20°-30°	1182.3	7.2
30°-40°	1859.9	11.3
40°-50°	2770.1	16.9
50°-60°	3633.9	22.1
60°-70°	3973.9	24.2
70°-80°	1966.4	12.0
80°-90°	187.6	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°	16428.0	100.0
0°-180°	16428.0	100.0

Coefficient of Utilization



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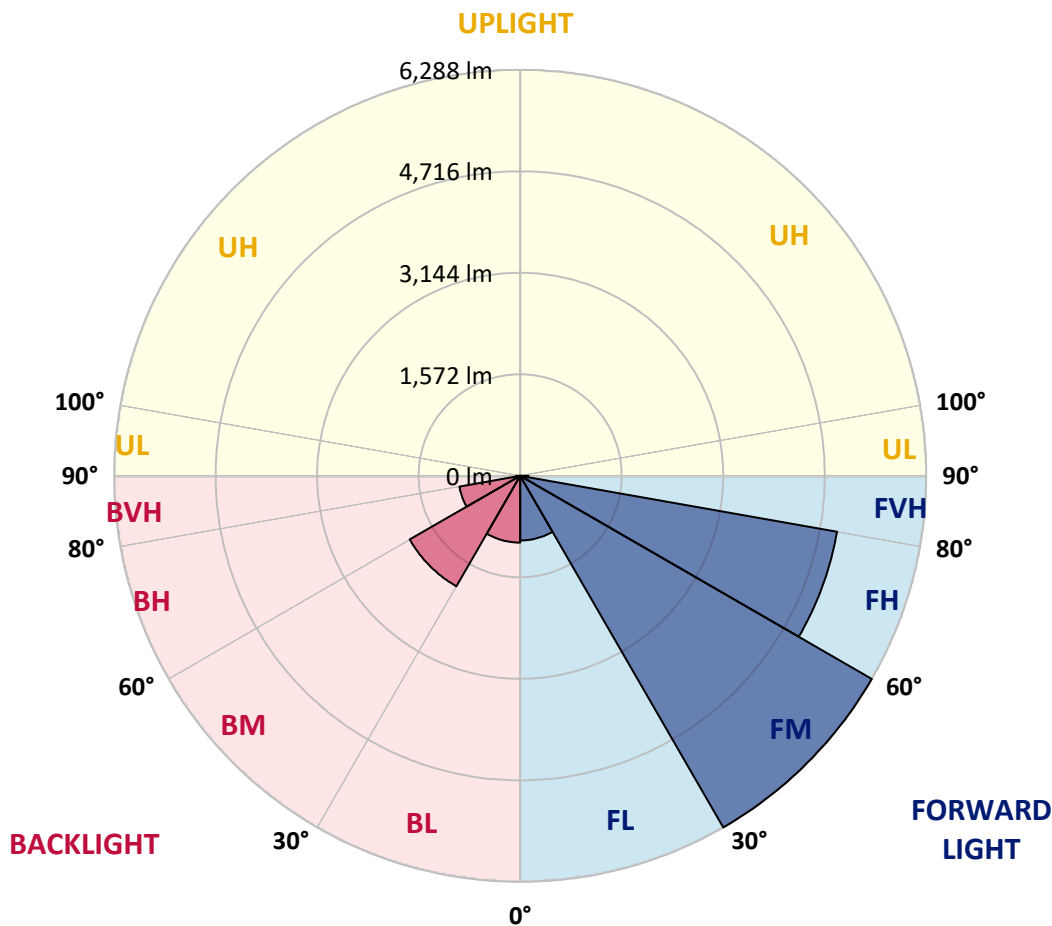
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1001.5	6.1			
FM	(30°-60°)	6288.4	38.3			
FH	(60°-80°)	4984.3	30.3			G2/5000
FVH	(80°-90°)	126.2	0.8			G2/225
BL	(0°-30°)	1034.7	6.3	B3/2500		
BM	(30°-60°)	1975.5	12.0	B2/2500		
BH	(60°-80°)	956.0	5.8	B2/1000		G2/1000
BVH	(80°-90°)	61.4	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3
2.5°	1832.4	1828.1	1838.7	1849.3	1872.6	1900.2	1938.3	1970.1	1974.3	2033.6	2080.2
5°	1724.3	1718.0	1728.6	1741.3	1751.9	1785.8	1826.0	1872.6	1891.7	1978.6	2078.1
7.5°	1734.9	1732.8	1737.1	1732.8	1732.8	1747.7	1775.2	1821.8	1843.0	1946.8	2088.7
10°	1796.4	1800.6	1802.7	1790.0	1777.3	1771.0	1779.4	1811.2	1826.0	1948.9	2135.3
12.5°	1898.1	1904.4	1906.5	1883.2	1866.3	1838.7	1823.9	1836.6	1847.2	1970.1	2201.0
15°	2035.7	2040.0	2025.2	2010.3	1968.0	1934.1	1898.1	1887.5	1891.7	2014.6	2275.1
17.5°	2196.7	2190.4	2190.4	2154.4	2099.3	2046.3	1987.0	1978.6	1978.6	2086.6	2381.0
20°	2372.6	2378.9	2359.9	2311.1	2256.1	2173.4	2114.1	2076.0	2080.2	2169.2	2510.3
22.5°	2626.8	2637.4	2586.5	2516.6	2431.9	2336.6	2251.8	2190.4	2192.5	2277.2	2643.7
25°	2900.0	2904.3	2872.5	2779.3	2664.9	2529.3	2417.1	2338.7	2336.6	2398.0	2815.3
27.5°	3179.7	3198.7	3135.2	3046.2	2940.3	2770.8	2622.5	2516.6	2499.7	2582.3	3029.3
30°	3467.8	3491.1	3429.6	3342.8	3211.4	3067.4	2891.6	2768.7	2758.1	2868.3	3315.2
32.5°	3758.0	3764.3	3715.6	3643.6	3525.0	3389.4	3247.5	3111.9	3101.3	3281.3	3686.0
35°	3995.2	4014.3	3980.4	3963.5	3876.6	3751.6	3613.9	3535.5	3563.1	3794.0	4166.8
37.5°	4281.2	4300.3	4262.1	4257.9	4230.4	4122.3	4027.0	4033.4	4060.9	4374.4	4673.1
40°	4694.3	4715.5	4618.0	4575.7	4575.7	4469.7	4438.0	4588.4	4624.4	4946.4	5200.6
42.5°	5043.8	5077.7	5020.5	4993.0	4910.4	4836.2	4874.4	5086.2	5147.6	5492.9	5660.3
45°	5213.3	5238.7	5306.5	5387.0	5306.5	5177.3	5321.3	5560.7	5647.6	5997.1	6120.0
47.5°	5304.4	5327.7	5406.1	5622.1	5677.2	5569.2	5772.5	6071.2	6130.5	6497.0	6558.5
50°	5317.1	5391.2	5492.9	5709.0	5961.1	5975.9	6225.9	6590.2	6660.1	6988.5	6944.0
52.5°	5213.3	5243.0	5452.7	5817.0	6096.7	6350.9	6719.5	7088.0	7138.9	7450.3	7285.1
55°	5043.8	5086.2	5295.9	5791.6	6228.0	6706.7	7221.5	7577.4	7634.6	7899.4	7600.7
57.5°	4891.3	4912.5	5137.0	5717.5	6359.3	7062.6	7668.5	8087.9	8126.0	8293.4	7833.7
60°	4721.8	4745.1	4969.7	5558.6	6456.8	7331.7	8134.5	8602.7	8636.6	8708.6	8104.9
62.5°	4283.3	4344.8	4626.5	5295.9	6431.4	7638.8	8632.3	9111.1	9153.5	9075.1	8318.8
65°	3478.4	3565.2	3910.5	4700.6	6194.1	7837.9	9039.1	9579.2	9651.3	9350.5	8376.0
67.5°	2700.9	2762.3	3039.9	3730.4	5361.6	7738.4	9301.7	9901.2	9922.4	9306.0	8058.3
68°	2561.1	2622.5	2887.3	3527.1	5130.7	7619.8	9295.4	9909.7	9956.3	9257.3	7935.4
70°	1959.5	2029.4	2281.5	2794.1	4135.0	6865.6	8907.7	9706.3	9700.0	8668.3	7172.8
72.5°	1224.4	1264.7	1438.4	1762.5	2734.8	5223.9	7560.4	8560.3	8577.3	7066.9	5501.4
75°	777.4	777.4	769.0	853.7	1402.4	2976.3	5620.0	6590.2	6602.9	4948.5	3467.8
77.5°	675.8	656.7	565.6	478.8	559.2	1156.6	3325.8	4255.8	4185.9	2664.9	1646.0
80°	569.8	538.1	463.9	385.5	360.1	362.2	1277.4	2160.7	2067.5	959.6	546.5
82.5°	411.0	383.4	349.5	302.9	277.5	216.1	266.9	624.9	610.1	277.5	177.9
85°	222.4	201.2	197.0	199.1	167.4	133.5	112.3	137.7	137.7	120.7	101.7
87.5°	78.4	57.2	67.8	76.3	65.7	55.1	44.5	53.0	55.1	53.0	48.7
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°	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3	2099.3
2.5°	2107.8	2129.0	2179.8	2224.3	2256.1	2283.6	2298.4	2304.8	2319.6	2321.7	2317.5
5°	2124.7	2179.8	2256.1	2321.7	2357.7	2372.6	2376.8	2378.9	2372.6	2376.8	2372.6
7.5°	2169.2	2239.1	2347.1	2404.3	2410.7	2387.4	2389.5	2381.0	2389.5	2398.0	2398.0
10°	2237.0	2326.0	2427.6	2448.8	2421.3	2408.6	2434.0	2484.8	2501.8	2525.1	2525.1
12.5°	2326.0	2431.9	2503.9	2484.8	2459.4	2501.8	2575.9	2626.8	2643.7	2652.2	2645.8
15°	2427.6	2542.0	2578.0	2514.5	2561.1	2652.2	2677.6	2648.0	2605.6	2586.5	2597.1
17.5°	2556.9	2652.2	2631.0	2588.6	2694.6	2707.3	2624.7	2529.3	2461.5	2436.1	2453.1
20°	2692.4	2775.1	2677.6	2696.7	2762.3	2626.8	2470.0	2347.1	2287.8	2277.2	2294.2
22.5°	2836.5	2889.4	2724.2	2821.7	2724.2	2448.8	2260.3	2196.7	2181.9	2198.9	2213.7
25°	2999.6	2993.2	2804.7	2859.8	2582.3	2230.6	2118.4	2114.1	2114.1	2124.7	2145.9
27.5°	3183.9	3084.3	2885.2	2809.0	2336.6	2050.6	2029.4	2031.5	2025.2	2027.3	2037.9
30°	3397.9	3207.2	2974.2	2641.6	2061.2	1915.0	1906.5	1900.2	1885.3	1881.1	1885.3
32.5°	3666.9	3336.4	3065.3	2366.2	1819.7	1775.2	1771.0	1737.1	1701.0	1696.8	1711.6
35°	4007.9	3571.6	3111.9	2020.9	1620.5	1618.4	1603.6	1550.6	1504.0	1504.0	1493.4
37.5°	4397.7	3874.5	3130.9	1684.1	1455.3	1465.9	1423.5	1355.8	1319.7	1298.6	1304.9
40°	4796.0	4219.8	3128.8	1389.6	1311.3	1313.4	1281.6	1199.0	1110.0	1057.1	1069.8
42.5°	5179.4	4533.3	3073.7	1232.9	1194.8	1188.4	1163.0	1050.7	976.6	934.2	936.3
45°	5486.6	4857.4	2989.0	1139.7	1088.8	1099.4	1042.2	974.4	906.7	868.5	866.4
47.5°	5793.7	5103.1	2853.4	1082.5	1010.5	991.4	968.1	921.5	870.6	828.3	830.4
50°	6073.3	5312.9	2726.3	1044.4	938.4	889.7	893.9	866.4	821.9	783.8	781.7
52.5°	6270.4	5450.6	2656.4	1023.2	851.6	798.6	813.5	798.6	756.3	728.7	726.6
55°	6467.4	5556.5	2679.7	995.6	756.3	713.9	739.3	735.1	711.8	703.3	705.4
57.5°	6626.2	5637.0	2762.3	944.8	665.2	639.7	682.1	669.4	652.5	654.6	654.6
60°	6780.9	5740.8	2859.8	828.3	586.8	588.9	629.2	605.9	595.3	614.3	616.4
62.5°	6941.9	5853.0	2779.3	658.8	519.0	533.8	580.4	561.4	565.6	593.1	601.6
65°	6922.8	5842.4	2264.5	540.2	459.7	489.3	559.2	552.9	555.0	565.6	569.8
67.5°	6533.0	5469.6	1557.0	459.7	417.3	453.3	542.3	516.9	519.0	512.6	514.8
68°	6401.7	5338.3	1372.7	447.0	408.8	444.9	533.8	510.5	512.6	506.3	504.2
70°	5685.7	4571.4	868.5	394.0	379.2	421.6	491.5	483.0	480.9	476.6	476.6
72.5°	4334.2	3374.6	457.6	341.1	345.3	385.5	438.5	455.4	444.9	447.0	459.7
75°	2870.4	2029.4	317.8	292.3	302.9	330.5	389.8	423.7	413.1	419.4	413.1
77.5°	1518.9	1093.1	254.2	247.8	247.8	266.9	322.0	375.0	375.0	370.7	364.4
80°	497.8	385.5	203.4	194.9	199.1	209.7	258.4	307.2	313.5	305.0	300.8
82.5°	167.4	177.9	152.5	141.9	146.2	154.6	194.9	235.1	237.3	220.3	216.1
85°	103.8	118.6	95.3	93.2	93.2	95.3	118.6	129.2	118.6	105.9	110.2
87.5°	48.7	59.3	44.5	38.1	31.8	27.5	21.2	8.5	8.5	4.2	4.2
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)