

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: P1210967

Luminaire Tested: **ARCH4-130-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210967
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: ARCH4-130-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1080mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18644 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 132
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

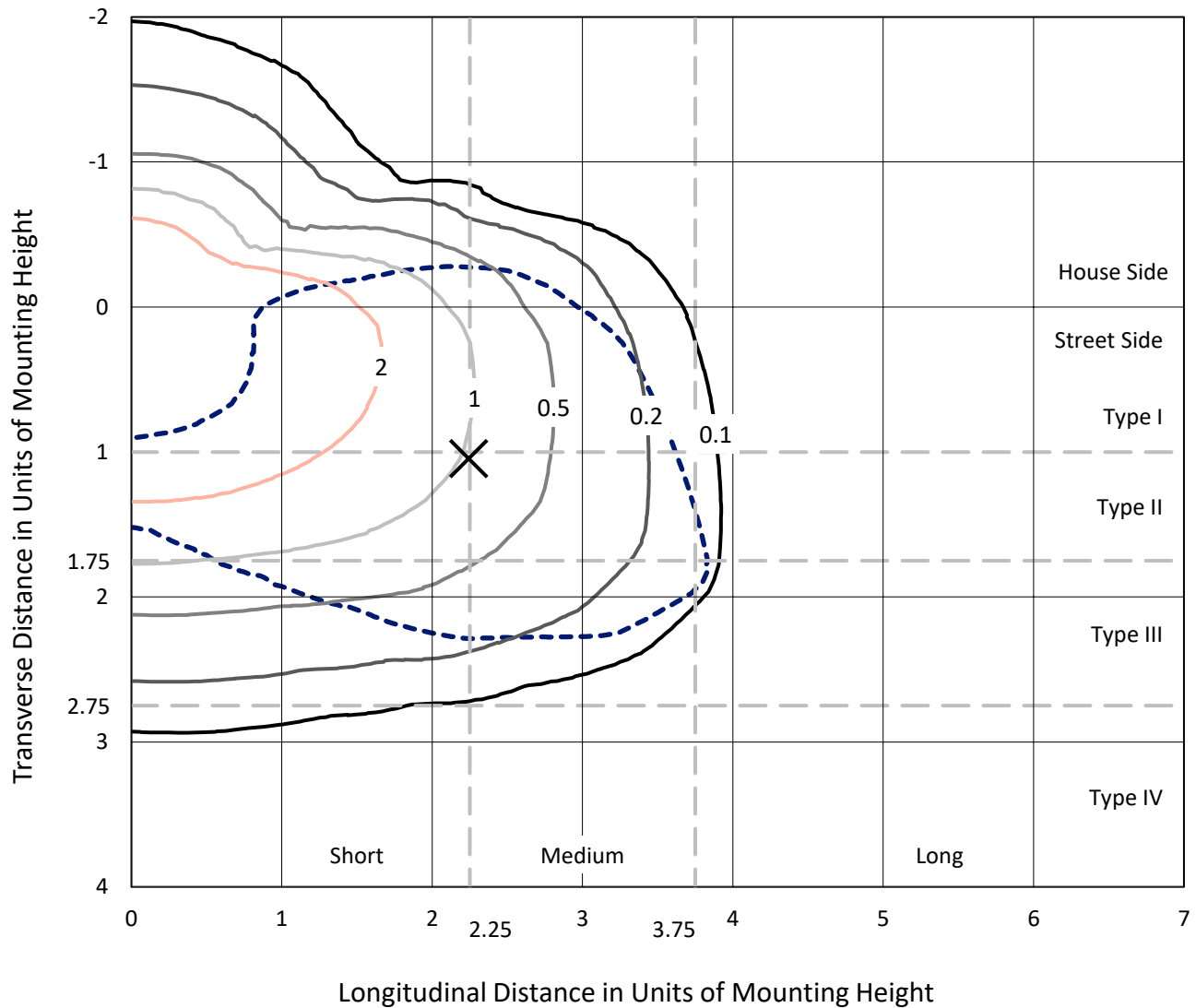


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

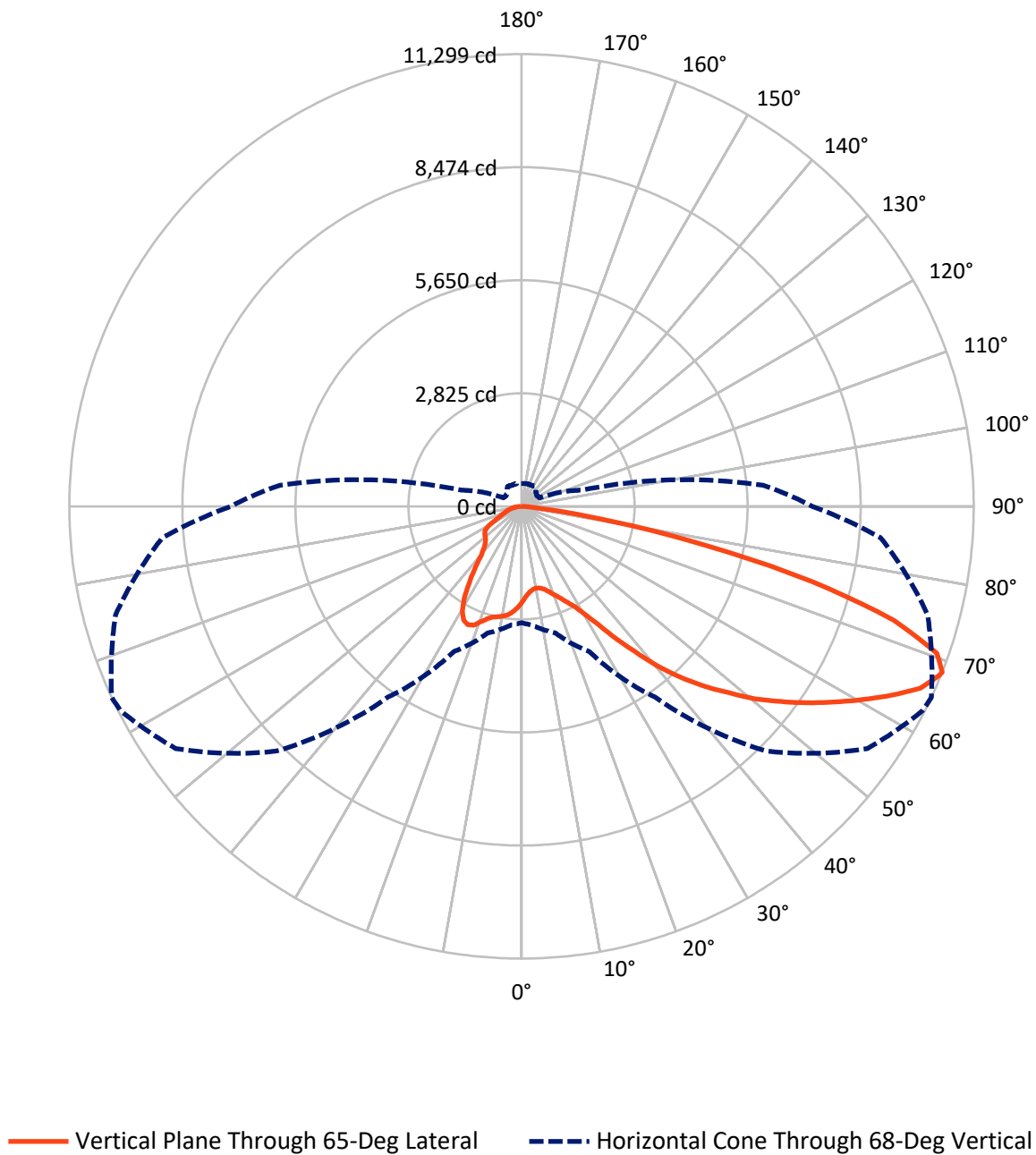


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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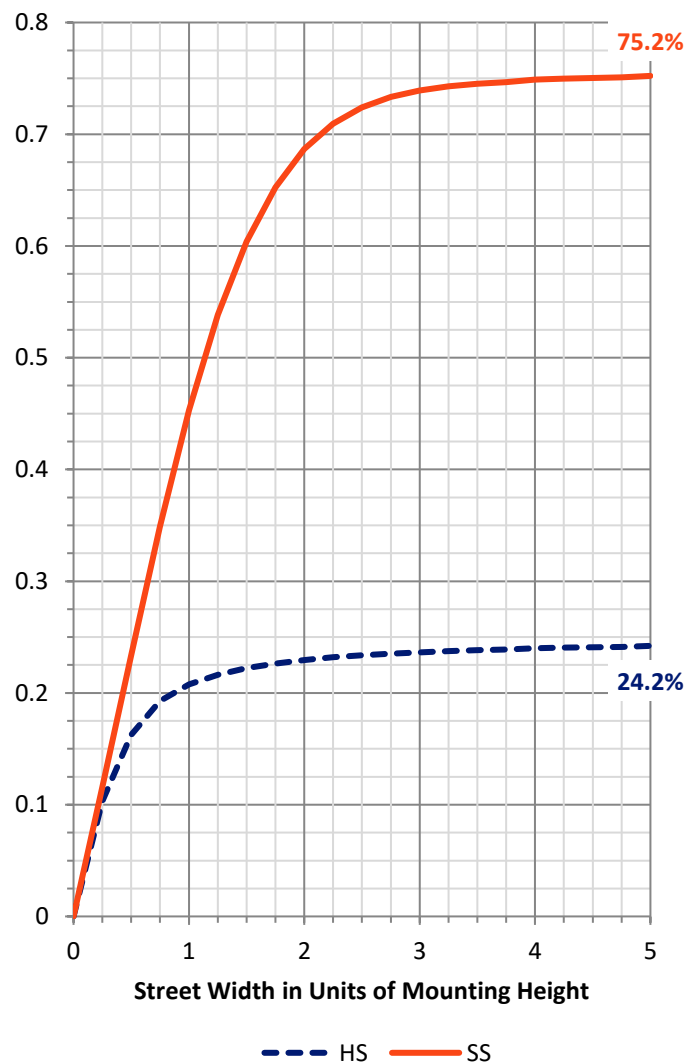
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4571.0	0.0	4571.0
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	14073.0	0.0	14073.0
	% Fixture	75.5	0.0	75.5
Total	Lumens	18644.0	0.0	18644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.7	1.2
10°-20°	741.4	4.0
20°-30°	1341.8	7.2
30°-40°	2110.8	11.3
40°-50°	3143.8	16.9
50°-60°	4124.1	22.1
60°-70°	4509.9	24.2
70°-80°	2231.6	12.0
80°-90°	212.9	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°	18644.0	100.0
0°-180°	18644.0	100.0

Coefficient of Utilization



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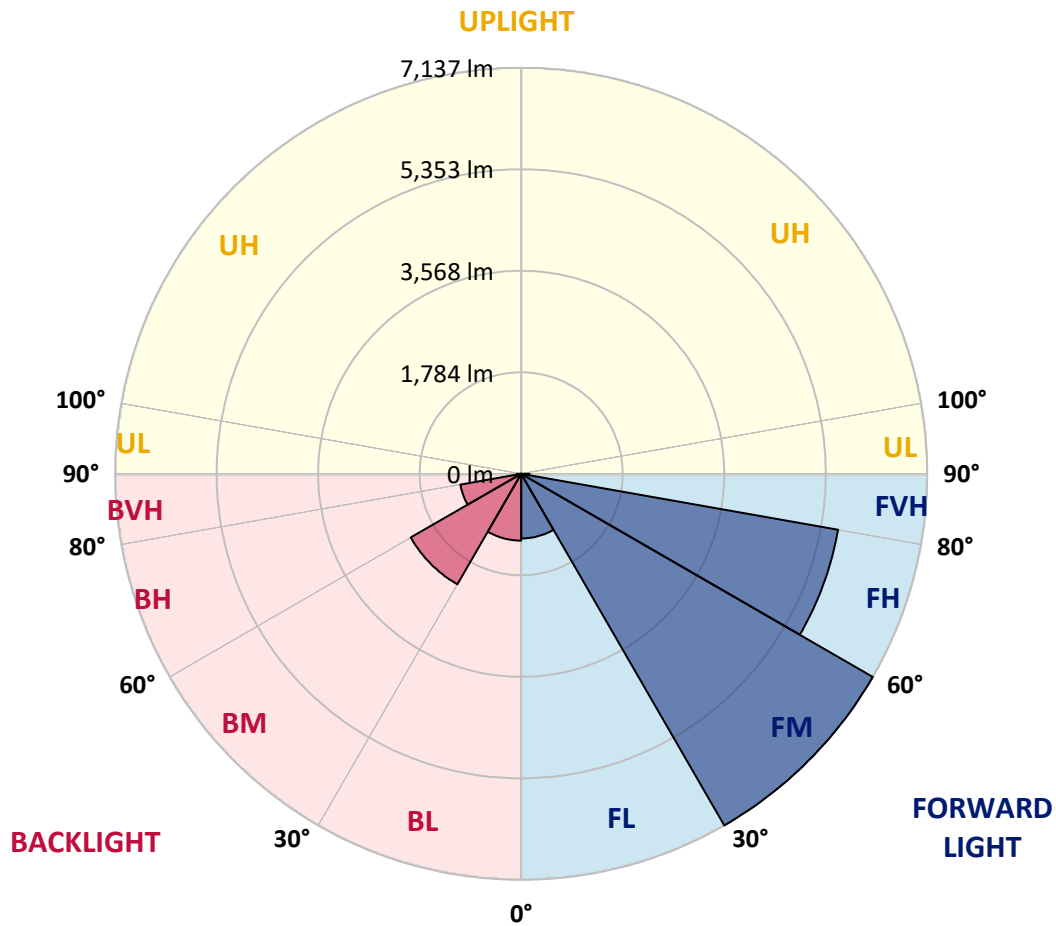
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1136.6	6.1			
FM	(30°-60°)	7136.7	38.3			
FH	(60°-80°)	5656.6	30.3			G3/7500
FVH	(80°-90°)	143.2	0.8			G2/225
BL	(0°-30°)	1174.3	6.3	B3/2500		
BM	(30°-60°)	2242.0	12.0	B2/2500		
BH	(60°-80°)	1084.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	69.7	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5
2.5°	2079.6	2074.7	2086.8	2098.8	2125.2	2156.5	2199.8	2235.8	2240.6	2307.9	2360.8
5°	1956.9	1949.7	1961.8	1976.2	1988.2	2026.7	2072.3	2125.2	2146.9	2245.4	2358.4
7.5°	1969.0	1966.6	1971.4	1966.6	1966.6	1983.4	2014.6	2067.5	2091.6	2209.4	2370.5
10°	2038.7	2043.5	2045.9	2031.5	2017.1	2009.8	2019.5	2055.5	2072.3	2211.8	2423.3
12.5°	2154.1	2161.3	2163.7	2137.3	2118.0	2086.8	2069.9	2084.4	2096.4	2235.8	2497.9
15°	2310.4	2315.2	2298.3	2281.5	2233.4	2195.0	2154.1	2142.1	2146.9	2286.3	2582.0
17.5°	2493.1	2485.9	2485.9	2445.0	2382.5	2322.4	2255.1	2245.4	2245.4	2368.1	2702.2
20°	2692.6	2699.8	2678.2	2622.9	2560.4	2466.6	2399.3	2356.0	2360.8	2461.8	2848.9
22.5°	2981.1	2993.1	2935.4	2856.1	2759.9	2651.7	2555.6	2485.9	2488.3	2584.4	3000.3
25°	3291.2	3296.0	3260.0	3154.2	3024.4	2870.5	2743.1	2654.1	2651.7	2721.5	3195.1
27.5°	3608.6	3630.2	3558.1	3457.1	3336.9	3144.6	2976.3	2856.1	2836.9	2930.6	3437.9
30°	3935.5	3962.0	3892.3	3793.7	3644.6	3481.2	3281.6	3142.2	3130.2	3255.2	3762.4
32.5°	4264.9	4272.1	4216.8	4135.1	4000.4	3846.6	3685.5	3531.6	3519.6	3724.0	4183.2
35°	4534.2	4555.8	4517.3	4498.1	4399.5	4257.7	4101.4	4012.5	4043.7	4305.8	4728.9
37.5°	4858.7	4880.4	4837.1	4832.3	4801.0	4678.4	4570.2	4577.4	4608.7	4964.5	5303.5
40°	5327.5	5351.6	5241.0	5192.9	5192.9	5072.7	5036.6	5207.3	5248.2	5613.6	5902.1
42.5°	5724.2	5762.7	5697.7	5666.5	5572.7	5488.6	5531.9	5772.3	5842.0	6233.9	6423.8
45°	5916.5	5945.4	6022.3	6113.7	6022.3	5875.7	6039.1	6310.8	6409.4	6806.0	6945.5
47.5°	6019.9	6046.3	6135.3	6380.5	6443.0	6320.4	6551.2	6890.2	6957.5	7373.4	7443.1
50°	6034.3	6118.5	6233.9	6479.1	6765.2	6782.0	7065.7	7479.2	7558.5	7931.2	7880.7
52.5°	5916.5	5950.2	6188.2	6601.7	6919.0	7207.5	7625.8	8044.2	8101.9	8455.3	8267.7
55°	5724.2	5772.3	6010.3	6572.8	7068.1	7611.4	8195.6	8599.5	8664.4	8964.9	8626.0
57.5°	5551.1	5575.1	5830.0	6488.7	7217.1	8015.3	8702.9	9178.9	9222.2	9412.1	8890.4
60°	5358.8	5385.2	5640.1	6308.4	7327.7	8320.6	9231.8	9763.1	9801.6	9883.3	9198.1
62.5°	4861.1	4930.8	5250.6	6010.3	7298.9	8669.2	9796.8	10340.1	10388.2	10299.2	9441.0
65°	3947.6	4046.1	4438.0	5334.7	7029.6	8895.2	10258.4	10871.4	10953.1	10611.8	9505.9
67.5°	3065.2	3135.0	3449.9	4233.6	6084.8	8782.2	10556.5	11236.8	11260.9	10561.3	9145.2
68°	2906.6	2976.3	3276.8	4002.8	5822.8	8647.6	10549.3	11246.4	11299.3	10506.0	9005.8
70°	2223.8	2303.1	2589.2	3171.0	4692.8	7791.7	10109.3	11015.6	11008.4	9837.6	8140.3
72.5°	1389.6	1435.3	1632.4	2000.2	3103.7	5928.5	8580.3	9715.0	9734.3	8020.1	6243.5
75°	882.3	882.3	872.7	968.9	1591.5	3377.8	6378.1	7479.2	7493.6	5616.0	3935.5
77.5°	766.9	745.3	641.9	543.3	634.7	1312.6	3774.5	4829.9	4750.5	3024.4	1868.0
80°	646.7	610.6	526.5	437.5	408.7	411.1	1449.7	2452.2	2346.4	1089.1	620.3
82.5°	466.4	435.1	396.7	343.8	314.9	245.2	302.9	709.2	692.4	314.9	201.9
85°	252.4	228.4	223.6	226.0	189.9	151.5	127.4	156.3	156.3	137.0	115.4
87.5°	89.0	64.9	76.9	86.5	74.5	62.5	50.5	60.1	62.5	60.1	55.3
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°	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5	2382.5
2.5°	2392.1	2416.1	2473.8	2524.3	2560.4	2591.6	2608.5	2615.7	2632.5	2634.9	2630.1
5°	2411.3	2473.8	2560.4	2634.9	2675.8	2692.6	2697.4	2699.8	2692.6	2697.4	2692.6
7.5°	2461.8	2541.1	2663.8	2728.7	2735.9	2709.4	2711.8	2702.2	2711.8	2721.5	2721.5
10°	2538.7	2639.7	2755.1	2779.2	2747.9	2733.5	2762.3	2820.0	2839.3	2865.7	2865.7
12.5°	2639.7	2759.9	2841.7	2820.0	2791.2	2839.3	2923.4	2981.1	3000.3	3010.0	3002.7
15°	2755.1	2884.9	2925.8	2853.7	2906.6	3010.0	3038.8	3005.1	2957.1	2935.4	2947.4
17.5°	2901.8	3010.0	2985.9	2937.8	3058.0	3072.5	2978.7	2870.5	2793.6	2764.7	2784.0
20°	3055.6	3149.4	3038.8	3060.4	3135.0	2981.1	2803.2	2663.8	2596.4	2584.4	2603.7
22.5°	3219.1	3279.2	3091.7	3202.3	3091.7	2779.2	2565.2	2493.1	2476.2	2495.5	2512.3
25°	3404.2	3397.0	3183.0	3245.6	2930.6	2531.5	2404.1	2399.3	2399.3	2411.3	2435.4
27.5°	3613.4	3500.4	3274.4	3187.9	2651.7	2327.2	2303.1	2305.5	2298.3	2300.7	2312.8
30°	3856.2	3639.8	3375.4	2997.9	2339.2	2173.3	2163.7	2156.5	2139.7	2134.9	2139.7
32.5°	4161.5	3786.5	3478.8	2685.4	2065.1	2014.6	2009.8	1971.4	1930.5	1925.7	1942.5
35°	4548.6	4053.3	3531.6	2293.5	1839.1	1836.7	1819.9	1759.8	1706.9	1706.9	1694.9
37.5°	4990.9	4397.1	3553.3	1911.3	1651.6	1663.6	1615.6	1538.6	1497.8	1473.7	1480.9
40°	5442.9	4789.0	3550.9	1577.1	1488.1	1490.6	1454.5	1360.7	1259.8	1199.7	1214.1
42.5°	5878.1	5144.8	3488.4	1399.2	1355.9	1348.7	1319.9	1192.4	1108.3	1060.2	1062.6
45°	6226.7	5512.6	3392.2	1293.4	1235.7	1247.7	1182.8	1105.9	1029.0	985.7	983.3
47.5°	6575.3	5791.5	3238.3	1228.5	1146.8	1125.1	1098.7	1045.8	988.1	940.0	942.4
50°	6892.6	6029.5	3094.1	1185.2	1065.0	1009.7	1014.5	983.3	932.8	889.5	887.1
52.5°	7116.2	6185.8	3014.8	1161.2	966.5	906.4	923.2	906.4	858.3	827.0	824.6
55°	7339.8	6306.0	3041.2	1129.9	858.3	810.2	839.0	834.2	807.8	798.2	800.6
57.5°	7520.1	6397.3	3135.0	1072.2	754.9	726.0	774.1	759.7	740.5	742.9	742.9
60°	7695.6	6515.1	3245.6	940.0	665.9	668.3	714.0	687.6	675.6	697.2	699.6
62.5°	7878.3	6642.6	3154.2	747.7	589.0	605.8	658.7	637.1	641.9	673.2	682.8
65°	7856.6	6630.5	2570.0	613.0	521.7	555.4	634.7	627.5	629.9	641.9	646.7
67.5°	7414.3	6207.4	1767.0	521.7	473.6	514.5	615.5	586.6	589.0	581.8	584.2
68°	7265.2	6058.4	1557.9	507.3	464.0	504.9	605.8	579.4	581.8	574.6	572.2
70°	6452.6	5188.1	985.7	447.2	430.3	478.4	557.8	548.1	545.7	540.9	540.9
72.5°	4918.8	3829.8	519.3	387.1	391.9	437.5	497.7	516.9	504.9	507.3	521.7
75°	3257.6	2303.1	360.6	331.8	343.8	375.0	442.4	480.8	468.8	476.0	468.8
77.5°	1723.7	1240.5	288.5	281.3	281.3	302.9	365.4	425.5	425.5	420.7	413.5
80°	565.0	437.5	230.8	221.2	226.0	238.0	293.3	348.6	355.8	346.2	341.4
82.5°	189.9	201.9	173.1	161.1	165.9	175.5	221.2	266.9	269.3	250.0	245.2
85°	117.8	134.6	108.2	105.8	105.8	108.2	134.6	146.7	134.6	120.2	125.0
87.5°	55.3	67.3	50.5	43.3	36.1	31.3	24.0	9.6	9.6	4.8	4.8
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)