

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: P1210389

Luminaire Tested: **ARCH3-110-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-110-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 880mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14450 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 111.9
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

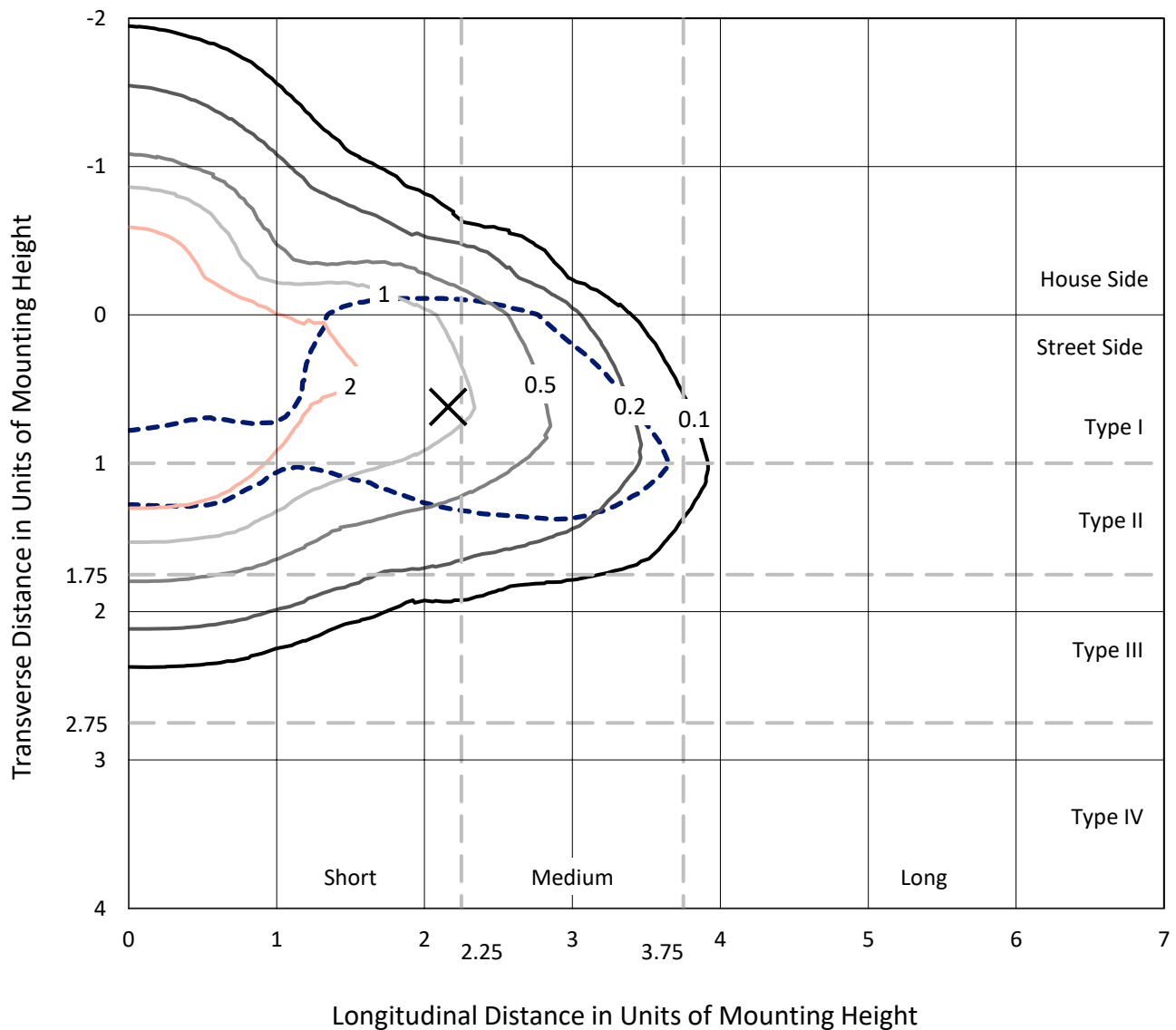


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Iso-Footcandle Lines of Horizontal Illumination

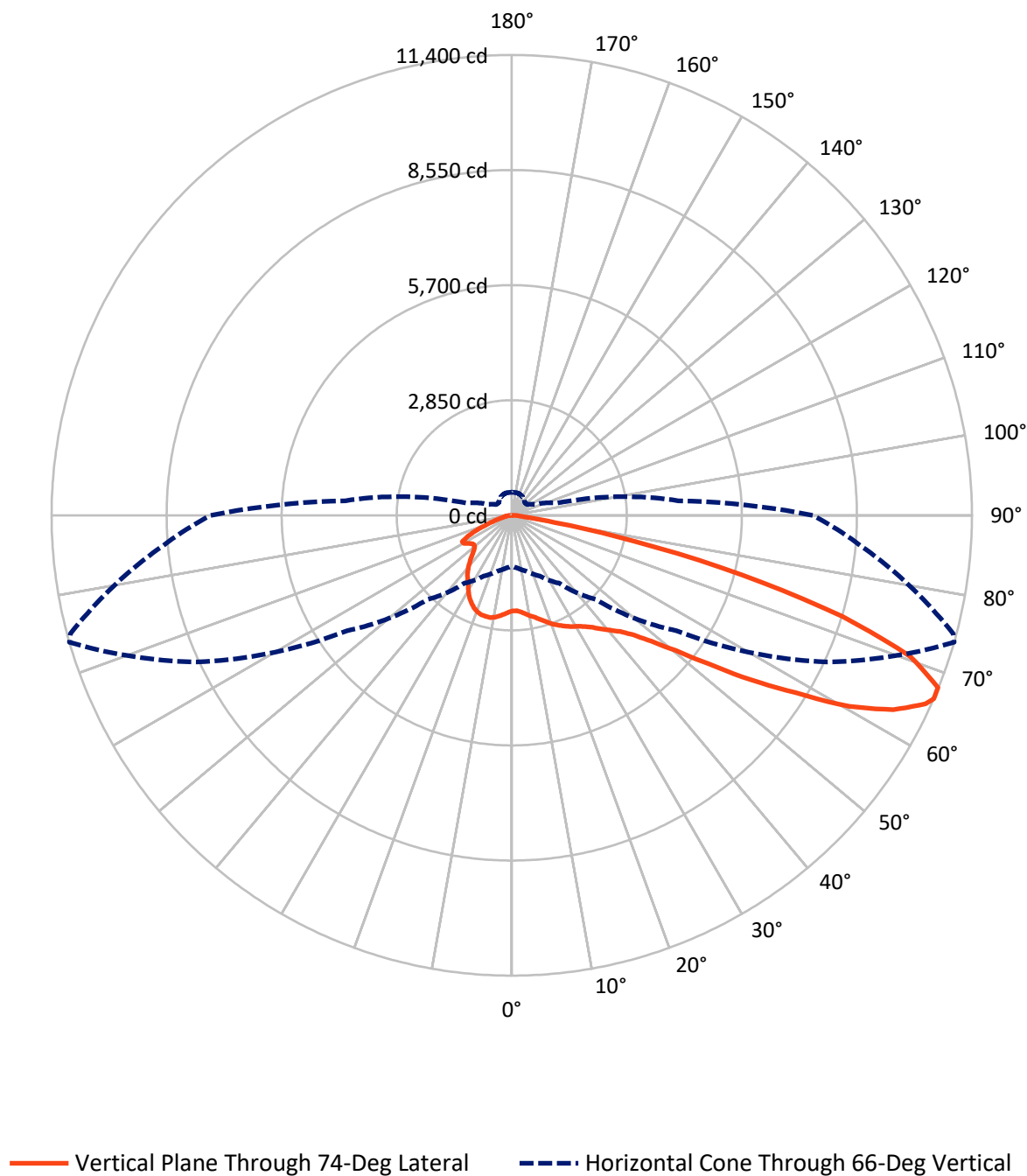
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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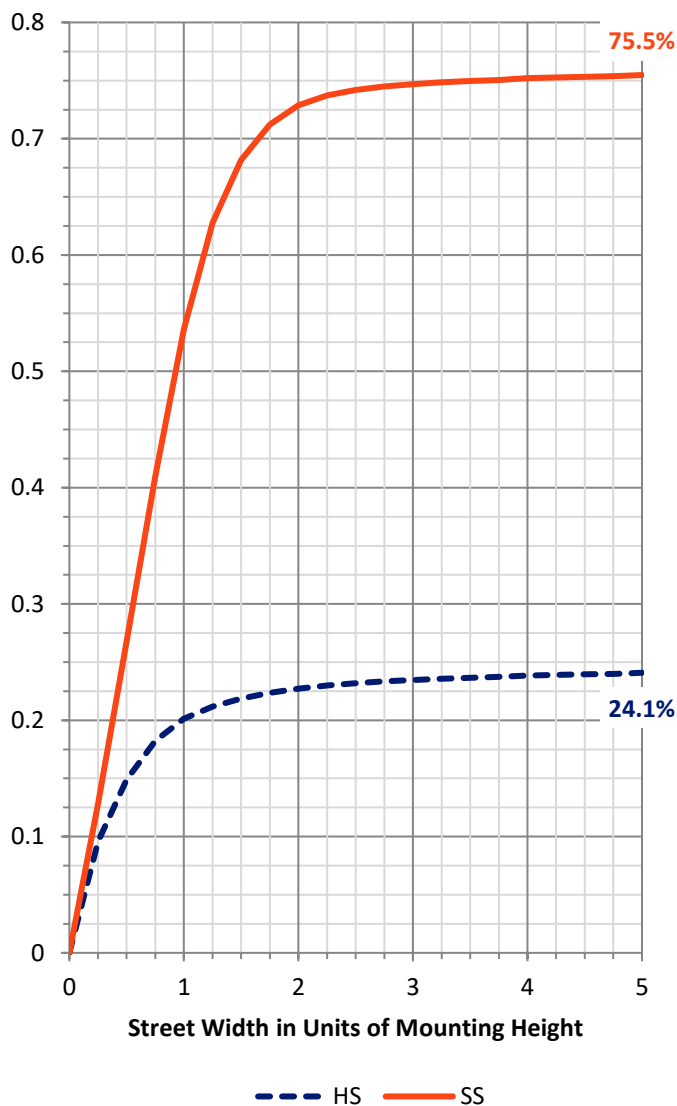
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3519.0	0.0	3519.0
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	10931.0	0.0	10931.0
	% Fixture	75.6	0.0	75.6
Total	Lumens	14450.0	0.0	14450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	1.6
10°-20°	694.9	4.8
20°-30°	1304.0	9.0
30°-40°	2005.8	13.9
40°-50°	2698.0	18.7
50°-60°	3190.7	22.1
60°-70°	2951.6	20.4
70°-80°	1241.7	8.6
80°-90°	137.4	1.0
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°	14450.0	100.0
0°-180°	14450.0	100.0

Coefficient of Utilization



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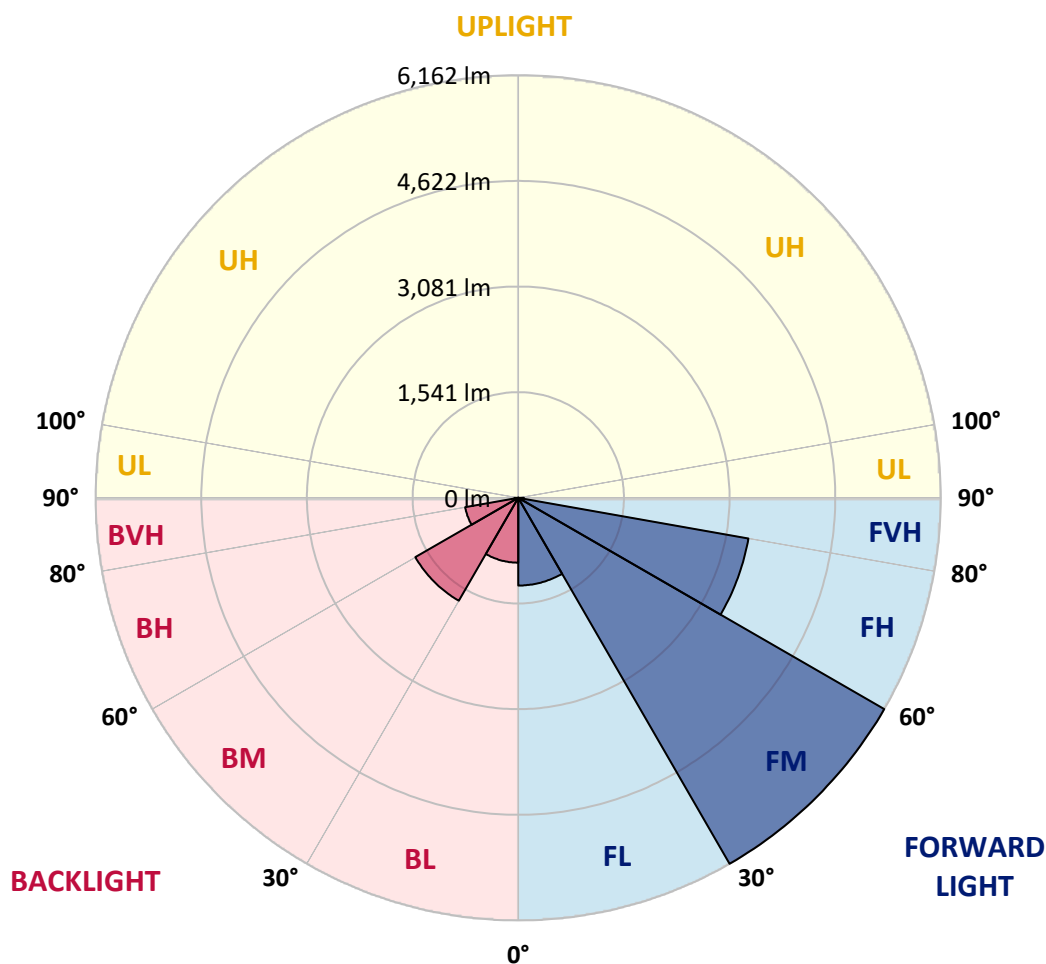
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1279.0	8.9			
FM	(30°-60°)	6162.1	42.6			
FH	(60°-80°)	3407.7	23.6			G2/5000
FVH	(80°-90°)	82.2	0.6			G1/100
BL	(0°-30°)	945.8	6.5	B2/1000		
BM	(30°-60°)	1732.4	12.0	B2/2500		
BH	(60°-80°)	785.6	5.4	B2/1000		G2/1000
BVH	(80°-90°)	55.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8
2.5°	2361.4	2357.7	2365.1	2376.3	2381.9	2372.6	2368.8	2367.0	2367.0	2361.4	2370.7
5°	2249.8	2248.0	2264.7	2285.2	2324.2	2352.1	2389.3	2411.6	2404.2	2393.0	2400.4
7.5°	2104.8	2101.1	2121.5	2160.6	2214.5	2275.9	2367.0	2437.6	2465.5	2461.8	2459.9
10°	2160.6	2156.9	2155.0	2143.9	2162.4	2221.9	2316.8	2441.4	2536.2	2538.0	2539.9
12.5°	2354.0	2363.3	2354.0	2318.6	2277.7	2255.4	2311.2	2450.6	2595.7	2606.8	2653.3
15°	2618.0	2608.7	2590.1	2549.2	2486.0	2419.0	2378.1	2493.4	2681.2	2690.5	2792.8
17.5°	2850.4	2857.8	2846.7	2807.6	2733.3	2645.9	2521.3	2567.8	2772.3	2798.3	2941.5
20°	3103.3	3133.0	3118.2	3069.8	3008.5	2878.3	2722.1	2675.6	2872.7	2891.3	3095.8
22.5°	3395.2	3426.8	3398.9	3352.4	3302.2	3142.3	2941.5	2807.6	2956.4	2995.4	3244.6
25°	3744.8	3774.5	3748.5	3676.0	3612.8	3417.5	3177.7	2956.4	3038.2	3081.0	3365.5
27.5°	4021.8	4044.1	4068.3	4025.5	3928.8	3726.2	3423.1	3110.7	3120.0	3164.6	3477.0
30°	4269.1	4324.9	4345.3	4350.9	4269.1	4042.3	3674.1	3270.6	3190.7	3237.2	3588.6
32.5°	4607.5	4691.2	4657.7	4691.2	4642.8	4339.8	3934.4	3436.1	3281.8	3324.6	3694.6
35°	5102.1	5169.0	5081.7	5055.6	4977.5	4641.0	4185.4	3607.2	3402.6	3449.1	3795.0
37.5°	5633.9	5710.1	5583.7	5479.6	5330.8	4938.5	4401.1	3832.2	3570.0	3607.2	3887.9
40°	6098.7	6161.9	6052.2	5914.7	5665.5	5200.7	4587.1	3990.2	3737.3	3783.8	3995.8
42.5°	6528.2	6569.1	6446.4	6314.4	5981.6	5436.8	4787.9	4157.5	3932.6	3977.2	4083.2
45°	6963.3	6994.9	6823.9	6636.1	6245.6	5652.5	5009.1	4391.8	4218.9	4278.4	4224.5
47.5°	7041.4	7050.7	7021.0	6894.5	6453.9	5858.9	5282.5	4706.1	4655.9	4720.9	4468.1
50°	6500.4	6584.0	6768.1	6892.7	6537.5	6031.8	5555.8	5156.0	5258.3	5342.0	4973.8
52.5°	5449.8	5529.8	5955.6	6427.8	6336.7	6070.8	5849.6	5726.9	6108.0	6208.4	5661.8
55°	4341.6	4412.3	4862.2	5542.8	5687.8	5892.3	6163.8	6455.7	7192.0	7259.0	6416.7
57.5°	3575.6	3614.6	3936.3	4590.8	4823.2	5321.5	6333.0	7322.2	8294.6	8396.9	7073.0
60°	2932.2	2975.0	3214.8	3754.1	4062.7	4505.2	6199.1	8177.5	9611.1	9611.1	7915.3
62.5°	2207.1	2244.3	2467.4	2889.5	3408.2	3813.6	5771.5	8744.6	10604.0	10559.4	8525.2
65°	1515.4	1545.1	1706.9	1987.7	2454.4	3250.2	5187.6	8752.0	11262.2	11202.7	8785.5
66°	1271.8	1297.8	1435.4	1662.3	2054.6	2949.0	4981.2	8594.0	11399.8	11316.1	8675.8
67.5°	1004.1	1022.7	1113.8	1247.6	1506.1	2387.4	4655.9	8145.9	11386.8	11336.6	8396.9
70°	717.7	730.7	797.7	825.6	890.6	1381.5	3698.3	7134.4	10473.8	10488.7	7299.9
72.5°	556.0	576.4	617.3	622.9	608.0	734.5	2244.3	5951.8	8568.0	8562.4	5418.2
75°	448.1	459.3	479.7	490.9	487.2	474.1	950.1	4440.2	5897.9	5966.7	3034.5
77.5°	353.3	351.4	370.0	384.9	396.0	371.9	435.1	2603.1	3092.1	3004.7	1139.8
80°	260.3	260.3	286.3	291.9	308.7	312.4	290.1	1004.1	1061.7	965.0	295.6
82.5°	171.1	171.1	199.0	202.7	219.4	243.6	210.1	301.2	293.8	278.9	133.9
85°	93.0	89.2	98.5	111.6	120.9	143.2	126.4	150.6	154.3	152.5	89.2
87.5°	18.6	16.7	26.0	29.7	33.5	44.6	40.9	61.4	85.5	83.7	39.0
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°	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8	2368.8
2.5°	2383.7	2381.9	2402.3	2426.5	2454.4	2471.1	2478.5	2491.6	2482.3	2486.0	2497.1
5°	2419.0	2424.6	2454.4	2486.0	2499.0	2489.7	2469.2	2461.8	2445.1	2441.4	2437.6
7.5°	2471.1	2480.4	2510.1	2517.6	2478.5	2413.5	2367.0	2340.9	2313.1	2305.6	2301.9
10°	2556.6	2562.2	2569.6	2493.4	2396.7	2309.3	2251.7	2227.5	2208.9	2194.1	2197.8
12.5°	2664.5	2660.8	2603.1	2445.1	2307.5	2218.2	2179.2	2164.3	2151.3	2142.0	2140.1
15°	2800.2	2774.2	2608.7	2378.1	2223.8	2149.4	2121.5	2116.0	2101.1	2101.1	2099.2
17.5°	2937.8	2870.9	2605.0	2307.5	2143.9	2102.9	2086.2	2082.5	2078.8	2076.9	2082.5
20°	3075.4	2956.4	2575.2	2220.1	2088.1	2063.9	2060.2	2062.0	2058.3	2063.9	2060.2
22.5°	3196.3	3012.2	2519.4	2127.1	2049.0	2047.2	2037.9	2041.6	2054.6	2056.5	2062.0
25°	3289.2	3032.6	2437.6	2041.6	2021.1	2017.4	2028.6	2043.4	2054.6	2056.5	2065.8
27.5°	3365.5	3021.5	2335.4	1974.6	1972.8	1993.2	2026.7	2032.3	2034.1	2034.1	2026.7
30°	3423.1	2997.3	2205.2	1900.3	1909.6	1959.8	1991.4	1991.4	1976.5	1972.8	1983.9
32.5°	3436.1	2965.7	2063.9	1824.0	1838.9	1898.4	1937.5	1924.4	1907.7	1907.7	1915.1
35°	3447.3	2922.9	1950.5	1719.9	1742.2	1812.9	1850.1	1824.0	1805.4	1799.9	1798.0
37.5°	3443.6	2906.2	1848.2	1587.9	1617.7	1686.4	1710.6	1686.4	1658.6	1645.5	1662.3
40°	3447.3	2895.0	1719.9	1442.9	1472.6	1513.5	1545.1	1526.5	1500.5	1467.0	1483.8
42.5°	3469.6	2909.9	1578.6	1301.6	1301.6	1323.9	1377.8	1364.8	1301.6	1288.5	1303.4
45°	3588.6	2989.9	1437.3	1160.2	1139.8	1154.7	1210.4	1154.7	1115.6	1115.6	1128.6
47.5°	3876.8	3138.6	1312.7	1035.7	987.3	1017.1	1031.9	979.9	950.1	942.7	955.7
50°	4464.3	3436.1	1238.3	933.4	873.9	896.2	886.9	885.1	855.3	859.0	866.5
52.5°	5356.8	4016.2	1216.0	883.2	808.8	814.4	805.1	808.8	803.2	821.8	827.4
55°	6329.3	4628.0	1243.9	890.6	764.2	725.2	728.9	747.5	769.8	799.5	805.1
57.5°	7056.3	4934.8	1316.4	940.8	708.4	648.9	658.2	693.5	736.3	760.5	773.5
60°	7597.4	4897.6	1422.4	953.9	641.5	580.1	596.9	648.9	686.1	706.6	719.6
62.5°	7774.0	4665.2	1448.4	859.0	554.1	515.0	556.0	609.9	626.6	648.9	658.2
65°	7629.0	4336.0	1258.8	697.3	487.2	466.7	526.2	567.1	589.4	600.6	602.4
66°	7457.9	4139.0	1156.5	634.0	463.0	451.8	515.0	548.5	570.8	569.0	570.8
67.5°	7082.3	3726.2	991.0	544.8	427.7	429.5	496.5	518.8	526.2	520.6	520.6
70°	5804.9	2623.6	710.3	412.8	375.6	401.6	446.2	451.8	468.6	461.1	461.1
72.5°	3579.3	1288.5	476.0	316.1	334.7	375.6	373.7	392.3	431.4	442.5	450.0
75°	1759.0	522.5	314.2	267.7	299.4	314.2	310.5	357.0	412.8	461.1	477.9
77.5°	667.5	260.3	219.4	234.3	241.7	236.1	247.3	323.5	412.8	500.2	516.9
80°	206.4	180.4	172.9	193.4	182.2	172.9	185.9	267.7	349.6	379.3	379.3
82.5°	124.6	141.3	133.9	132.0	122.7	124.6	133.9	191.5	269.6	282.6	282.6
85°	87.4	93.0	76.2	72.5	70.7	68.8	68.8	111.6	159.9	158.0	163.6
87.5°	33.5	37.2	27.9	27.9	26.0	18.6	14.9	18.6	18.6	13.0	9.3
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)