

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: P1210935

Luminaire Tested: **ARCH4-120-722-U-T3RE**

Issue Date: 11/5/2025

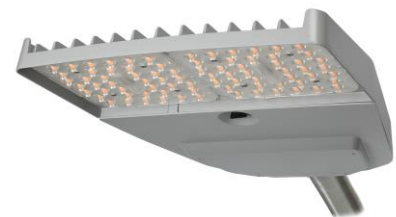
Test Information

Test Method: LM-79-08
Report Number: P1210935
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: ARCH4-120-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1000mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17368 lumens
Efficiency: N/A
Efficacy: 142.4 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): 122
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

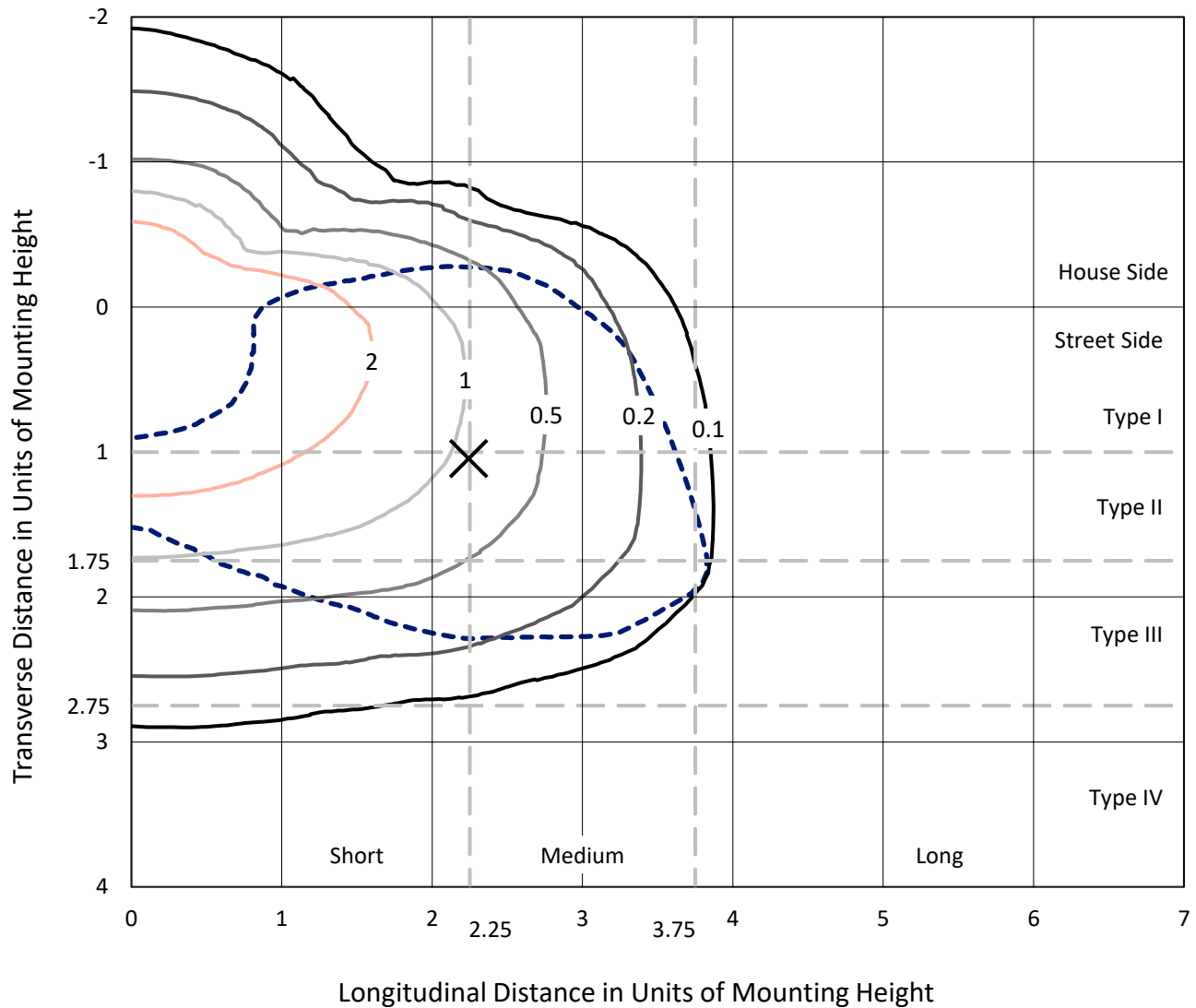


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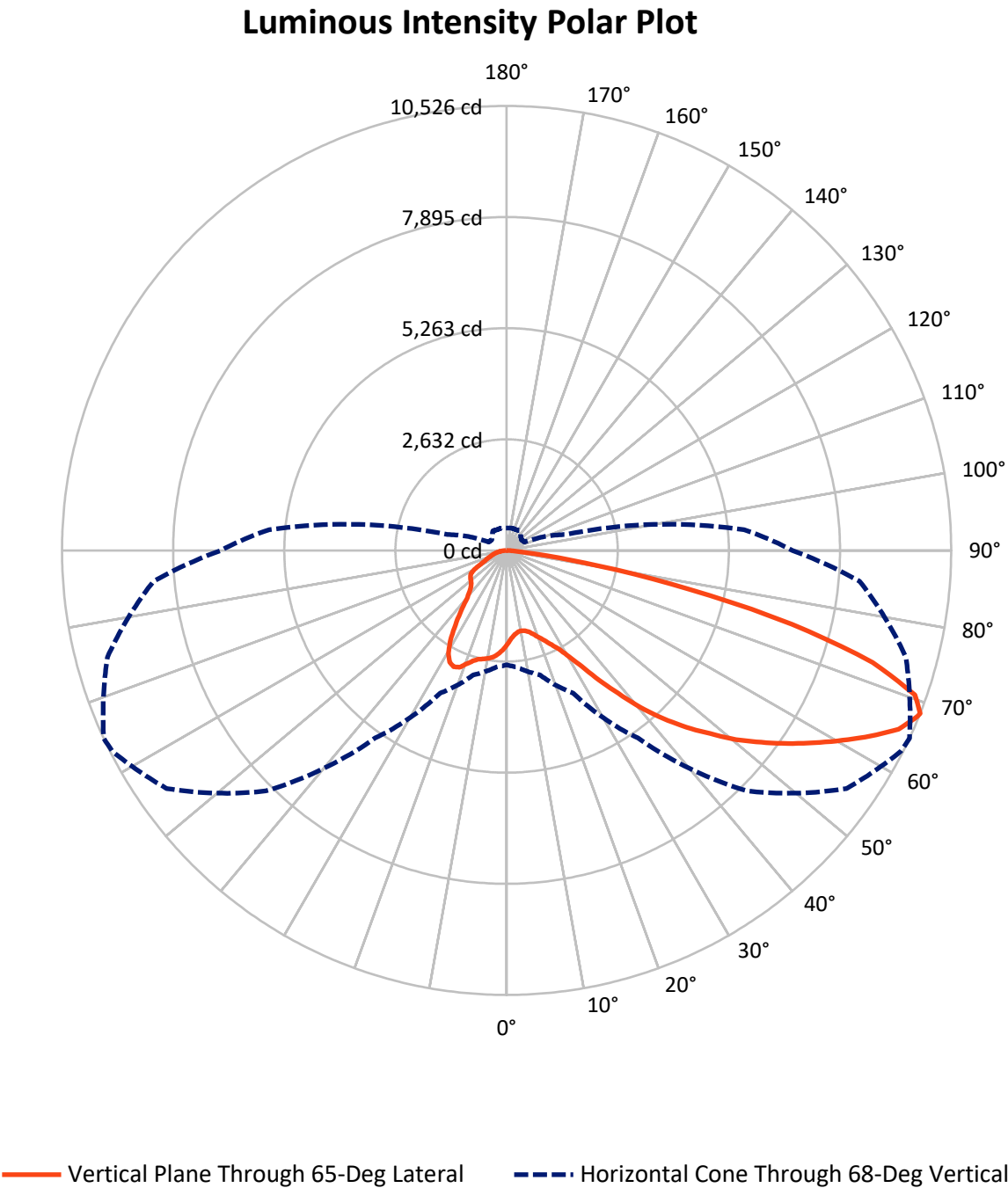
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type III - Short - N/A

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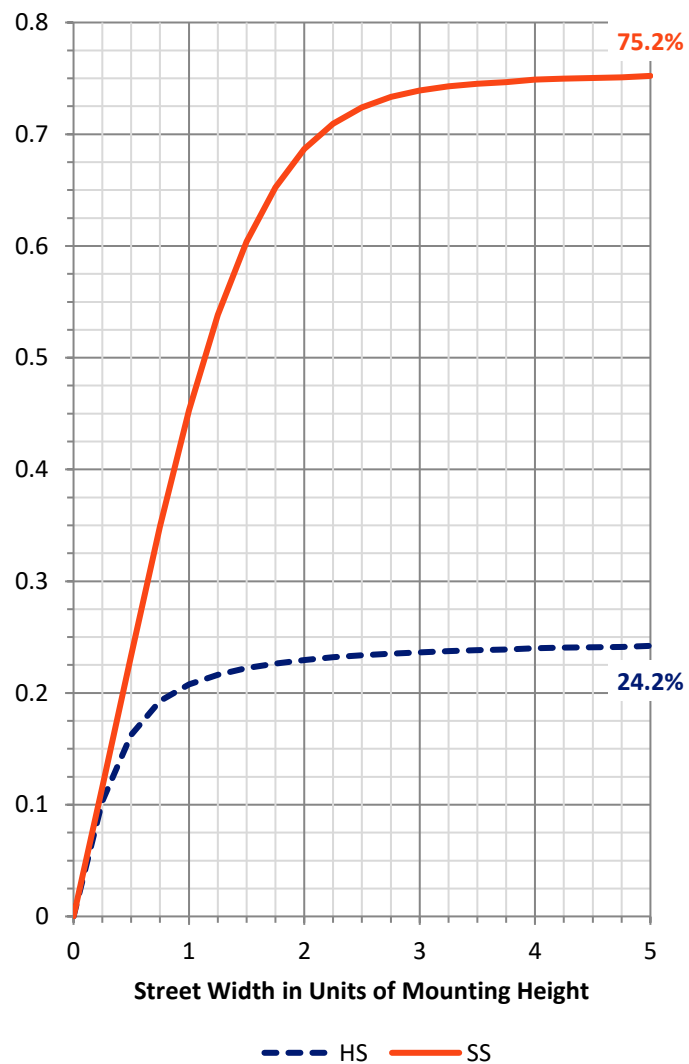
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4258.1	0.0	4258.1
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	13109.9	0.0	13109.9
	% Fixture	75.5	0.0	75.5
Total	Lumens	17368.0	0.0	17368.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.1	1.2
10°-20°	690.6	4.0
20°-30°	1250.0	7.2
30°-40°	1966.3	11.3
40°-50°	2928.6	16.9
50°-60°	3841.8	22.1
60°-70°	4201.3	24.2
70°-80°	2078.9	12.0
80°-90°	198.3	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°	17368.0	100.0
0°-180°	17368.0	100.0

Coefficient of Utilization



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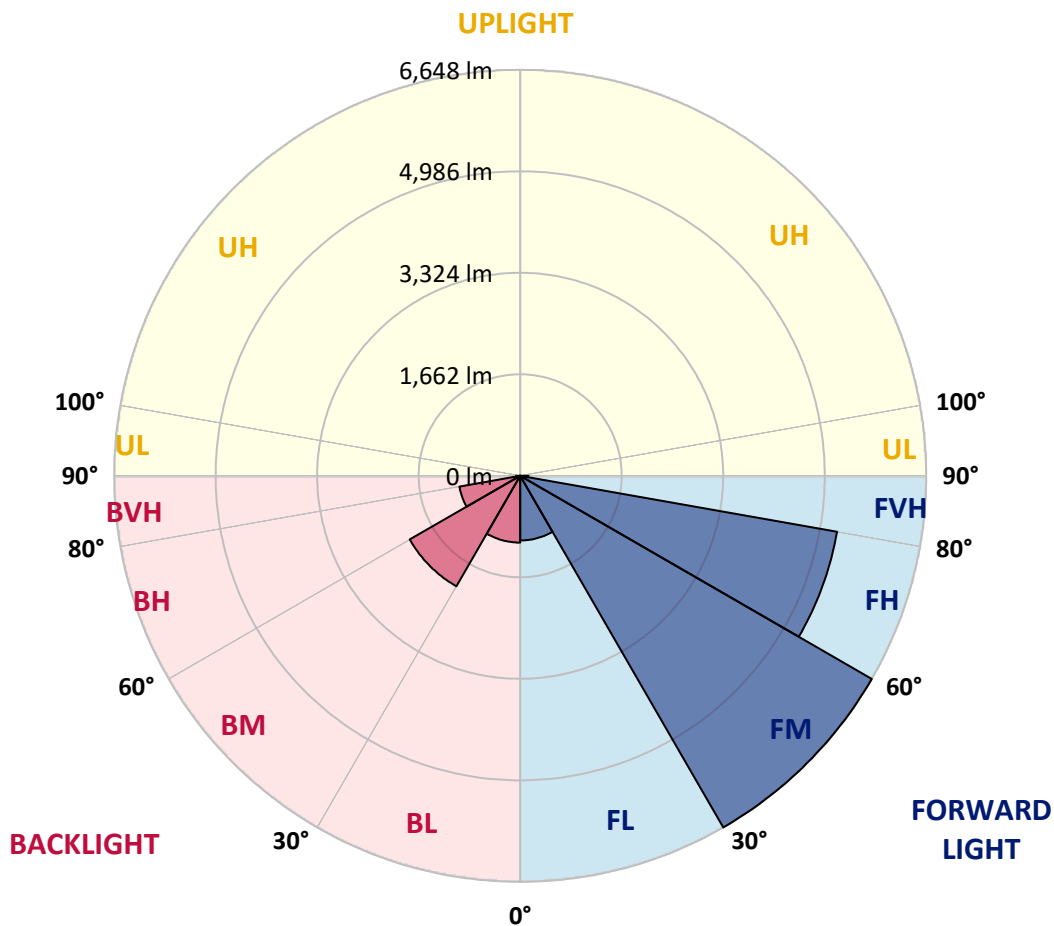
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1058.8	6.1			
FM	(30°-60°)	6648.2	38.3			
FH	(60°-80°)	5269.5	30.3			G3/7500
FVH	(80°-90°)	133.4	0.8			G2/225
BL	(0°-30°)	1093.9	6.3	B3/2500		
BM	(30°-60°)	2088.6	12.0	B2/2500		
BH	(60°-80°)	1010.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	64.9	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4
2.5°	1937.2	1932.8	1944.0	1955.1	1979.8	2008.9	2049.2	2082.8	2087.3	2150.0	2199.3
5°	1823.0	1816.3	1827.5	1840.9	1852.1	1888.0	1930.5	1979.8	1999.9	2091.8	2197.0
7.5°	1834.2	1832.0	1836.5	1832.0	1832.0	1847.6	1876.8	1926.0	1948.4	2058.2	2208.2
10°	1899.2	1903.6	1905.9	1892.4	1879.0	1872.3	1881.2	1914.8	1930.5	2060.4	2257.5
12.5°	2006.7	2013.4	2015.6	1991.0	1973.1	1944.0	1928.3	1941.7	1952.9	2082.8	2326.9
15°	2152.2	2156.7	2141.0	2125.4	2080.6	2044.7	2006.7	1995.5	1999.9	2129.8	2405.3
17.5°	2322.4	2315.7	2315.7	2277.6	2219.4	2163.4	2100.7	2091.8	2091.8	2206.0	2517.3
20°	2508.3	2515.0	2494.9	2443.4	2385.1	2297.8	2235.1	2194.8	2199.3	2293.3	2653.9
22.5°	2777.1	2788.3	2734.5	2660.6	2571.0	2470.3	2380.7	2315.7	2318.0	2407.5	2795.0
25°	3066.0	3070.5	3036.9	2938.3	2817.4	2674.1	2555.4	2472.5	2470.3	2535.2	2976.4
27.5°	3361.6	3381.8	3314.6	3220.5	3108.5	2929.4	2772.6	2660.6	2642.7	2730.0	3202.6
30°	3666.2	3690.8	3625.9	3534.0	3395.2	3242.9	3057.0	2927.1	2915.9	3032.4	3504.9
32.5°	3973.0	3979.7	3928.2	3852.1	3726.7	3583.3	3433.3	3289.9	3278.7	3469.1	3896.9
35°	4223.8	4244.0	4208.2	4190.2	4098.4	3966.3	3820.7	3737.9	3767.0	4011.1	4405.2
37.5°	4526.2	4546.3	4506.0	4501.5	4472.4	4358.2	4257.4	4264.2	4293.3	4624.7	4940.5
40°	4962.9	4985.3	4882.3	4837.5	4837.5	4725.5	4691.9	4850.9	4889.0	5229.4	5498.2
42.5°	5332.4	5368.3	5307.8	5278.7	5191.3	5113.0	5153.3	5377.2	5442.2	5807.2	5984.1
45°	5511.6	5538.5	5610.1	5695.2	5610.1	5473.5	5625.8	5878.9	5970.7	6340.2	6470.1
47.5°	5607.9	5632.5	5715.4	5943.8	6002.1	5887.8	6102.8	6418.6	6481.3	6868.8	6933.7
50°	5621.3	5699.7	5807.2	6035.7	6302.2	6317.8	6582.1	6967.3	7041.2	7388.4	7341.3
52.5°	5511.6	5542.9	5764.7	6149.9	6445.5	6714.2	7103.9	7493.6	7547.4	7876.6	7701.9
55°	5332.4	5377.2	5598.9	6123.0	6584.4	7090.5	7634.7	8011.0	8071.4	8351.4	8035.6
57.5°	5171.2	5193.6	5431.0	6044.6	6723.2	7466.7	8107.3	8550.7	8591.0	8767.9	8281.9
60°	4992.0	5016.6	5254.0	5876.6	6826.2	7751.2	8600.0	9094.9	9130.7	9206.9	8568.6
62.5°	4528.4	4593.4	4891.2	5598.9	6799.4	8075.9	9126.3	9632.4	9677.2	9594.3	8794.8
65°	3677.4	3769.2	4134.3	4969.6	6548.5	8286.4	9556.3	10127.4	10203.5	9885.5	8855.3
67.5°	2855.5	2920.4	3213.8	3943.9	5668.4	8181.2	9834.0	10467.8	10490.2	9838.5	8519.3
68°	2707.6	2772.6	3052.5	3728.9	5424.3	8055.8	9827.3	10476.7	10526.0	9786.9	8389.4
70°	2071.6	2145.5	2412.0	2954.0	4371.7	7258.5	9417.4	10261.7	10255.0	9164.3	7583.2
72.5°	1294.5	1337.0	1520.7	1863.3	2891.3	5522.8	7993.0	9050.1	9068.0	7471.2	5816.2
75°	821.9	821.9	813.0	902.5	1482.6	3146.6	5941.6	6967.3	6980.8	5231.6	3666.2
77.5°	714.4	694.3	598.0	506.1	591.2	1222.8	3516.1	4499.3	4425.4	2817.4	1740.2
80°	602.4	568.9	490.5	407.6	380.7	383.0	1350.5	2284.4	2185.8	1014.5	577.8
82.5°	434.5	405.4	369.5	320.3	293.4	228.4	282.2	660.7	645.0	293.4	188.1
85°	235.2	212.8	208.3	210.5	176.9	141.1	118.7	145.6	145.6	127.7	107.5
87.5°	82.9	60.5	71.7	80.6	69.4	58.2	47.0	56.0	58.2	56.0	51.5
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°	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4
2.5°	2228.4	2250.8	2304.5	2351.6	2385.1	2414.3	2429.9	2436.7	2452.3	2454.6	2450.1
5°	2246.3	2304.5	2385.1	2454.6	2492.6	2508.3	2512.8	2515.0	2508.3	2512.8	2508.3
7.5°	2293.3	2367.2	2481.4	2541.9	2548.6	2524.0	2526.2	2517.3	2526.2	2535.2	2535.2
10°	2365.0	2459.1	2566.6	2588.9	2559.8	2546.4	2573.3	2627.0	2644.9	2669.6	2669.6
12.5°	2459.1	2571.0	2647.2	2627.0	2600.1	2644.9	2723.3	2777.1	2795.0	2803.9	2797.2
15°	2566.6	2687.5	2725.6	2658.4	2707.6	2803.9	2830.8	2799.5	2754.7	2734.5	2745.7
17.5°	2703.2	2803.9	2781.6	2736.8	2848.7	2862.2	2774.8	2674.1	2602.4	2575.5	2593.4
20°	2846.5	2933.8	2830.8	2851.0	2920.4	2777.1	2611.3	2481.4	2418.7	2407.5	2425.5
22.5°	2998.8	3054.8	2880.1	2983.1	2880.1	2588.9	2389.6	2322.4	2306.8	2324.7	2340.4
25°	3171.2	3164.5	2965.2	3023.4	2730.0	2358.3	2239.6	2235.1	2235.1	2246.3	2268.7
27.5°	3366.1	3260.8	3050.3	2969.7	2470.3	2167.9	2145.5	2147.8	2141.0	2143.3	2154.5
30°	3592.3	3390.7	3144.4	2792.8	2179.1	2024.6	2015.6	2008.9	1993.2	1988.7	1993.2
32.5°	3876.7	3527.3	3240.7	2501.6	1923.8	1876.8	1872.3	1836.5	1798.4	1793.9	1809.6
35°	4237.3	3775.9	3289.9	2136.6	1713.3	1711.0	1695.4	1639.4	1590.1	1590.1	1578.9
37.5°	4649.4	4096.2	3310.1	1780.5	1538.6	1549.8	1505.0	1433.3	1395.3	1372.9	1379.6
40°	5070.4	4461.2	3307.9	1469.2	1386.3	1388.5	1354.9	1267.6	1173.5	1117.5	1131.0
42.5°	5475.8	4792.7	3249.6	1303.4	1263.1	1256.4	1229.5	1110.8	1032.4	987.7	989.9
45°	5800.5	5135.3	3160.0	1204.9	1151.1	1162.3	1101.9	1030.2	958.5	918.2	916.0
47.5°	6125.2	5395.1	3016.7	1144.4	1068.3	1048.1	1023.5	974.2	920.5	875.7	877.9
50°	6420.9	5616.9	2882.3	1104.1	992.1	940.6	945.1	916.0	869.0	828.6	826.4
52.5°	6629.1	5762.4	2808.4	1081.7	900.3	844.3	860.0	844.3	799.5	770.4	768.2
55°	6837.4	5874.4	2833.1	1052.6	799.5	754.7	781.6	777.1	752.5	743.5	745.8
57.5°	7005.4	5959.5	2920.4	998.9	703.2	676.4	721.1	707.7	689.8	692.0	692.0
60°	7168.9	6069.2	3023.4	875.7	620.4	622.6	665.2	640.5	629.3	649.5	651.7
62.5°	7339.1	6187.9	2938.3	696.5	548.7	564.4	613.6	593.5	598.0	627.1	636.0
65°	7318.9	6176.7	2394.1	571.1	486.0	517.3	591.2	584.5	586.8	598.0	602.4
67.5°	6906.9	5782.6	1646.1	486.0	441.2	479.3	573.3	546.5	548.7	542.0	544.2
68°	6768.0	5643.7	1451.2	472.6	432.2	470.3	564.4	539.7	542.0	535.3	533.0
70°	6011.0	4833.0	918.2	416.6	400.9	445.7	519.6	510.6	508.4	503.9	503.9
72.5°	4582.2	3567.6	483.7	360.6	365.1	407.6	463.6	481.5	470.3	472.6	486.0
75°	3034.6	2145.5	335.9	309.1	320.3	349.4	412.1	447.9	436.7	443.4	436.7
77.5°	1605.8	1155.6	268.7	262.0	262.0	282.2	340.4	396.4	396.4	391.9	385.2
80°	526.3	407.6	215.0	206.0	210.5	221.7	273.2	324.7	331.5	322.5	318.0
82.5°	176.9	188.1	161.2	150.1	154.5	163.5	206.0	248.6	250.8	232.9	228.4
85°	109.7	125.4	100.8	98.5	98.5	100.8	125.4	136.6	125.4	112.0	116.5
87.5°	51.5	62.7	47.0	40.3	33.6	29.1	22.4	9.0	9.0	4.5	4.5
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)