

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: P1211318

Luminaire Tested: **ARCH4-240-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-240-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 940mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

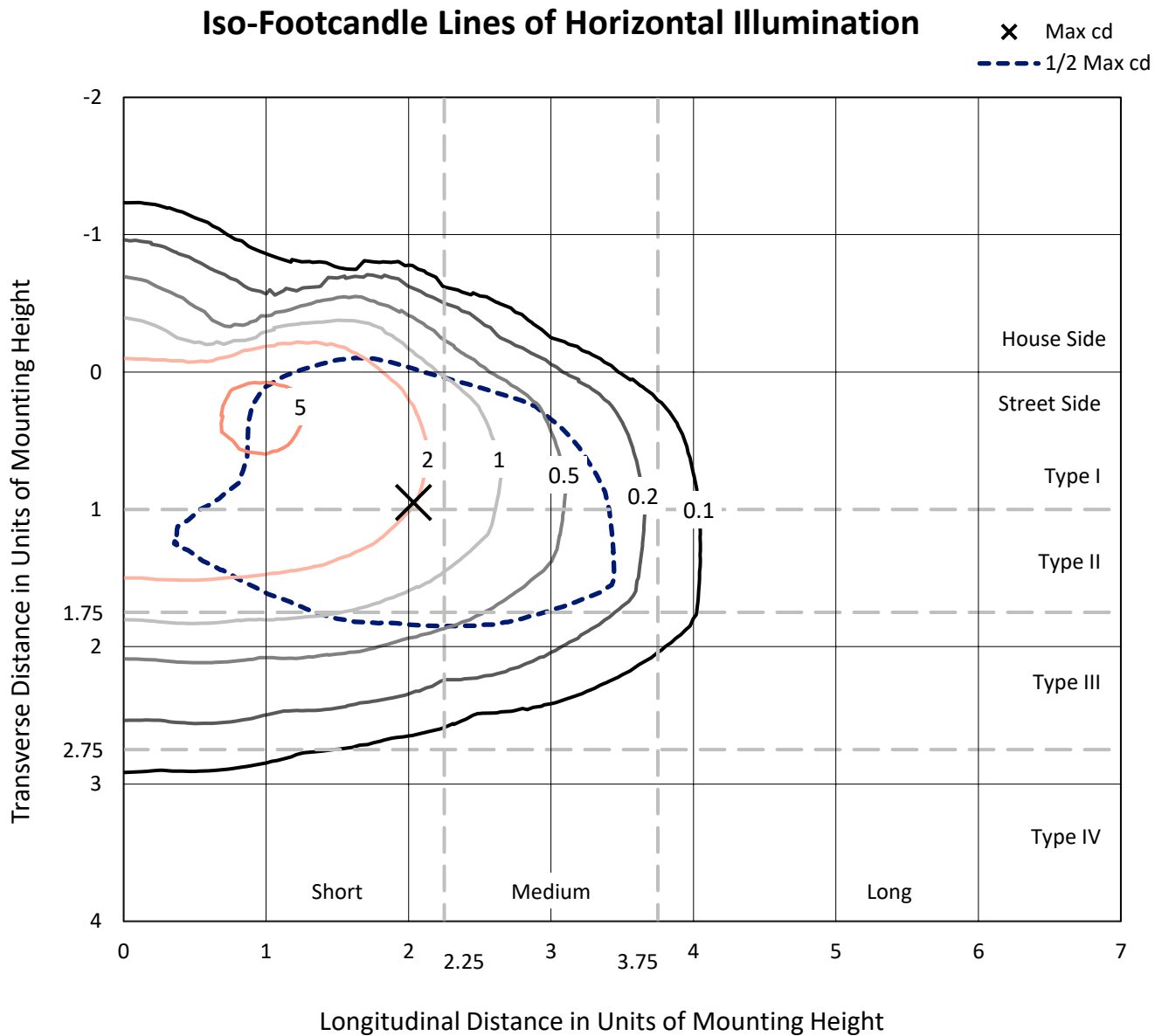
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21488 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - 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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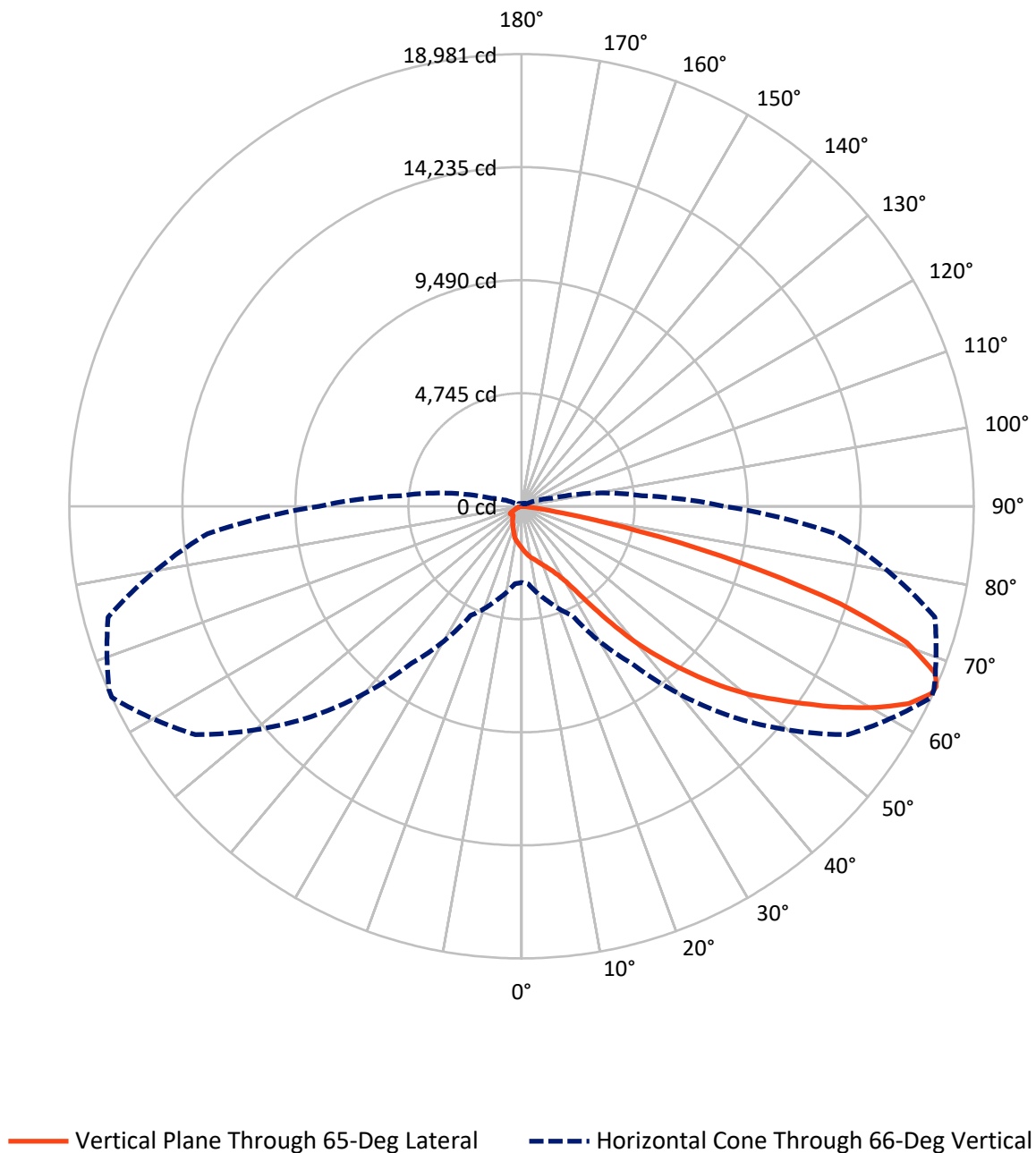


Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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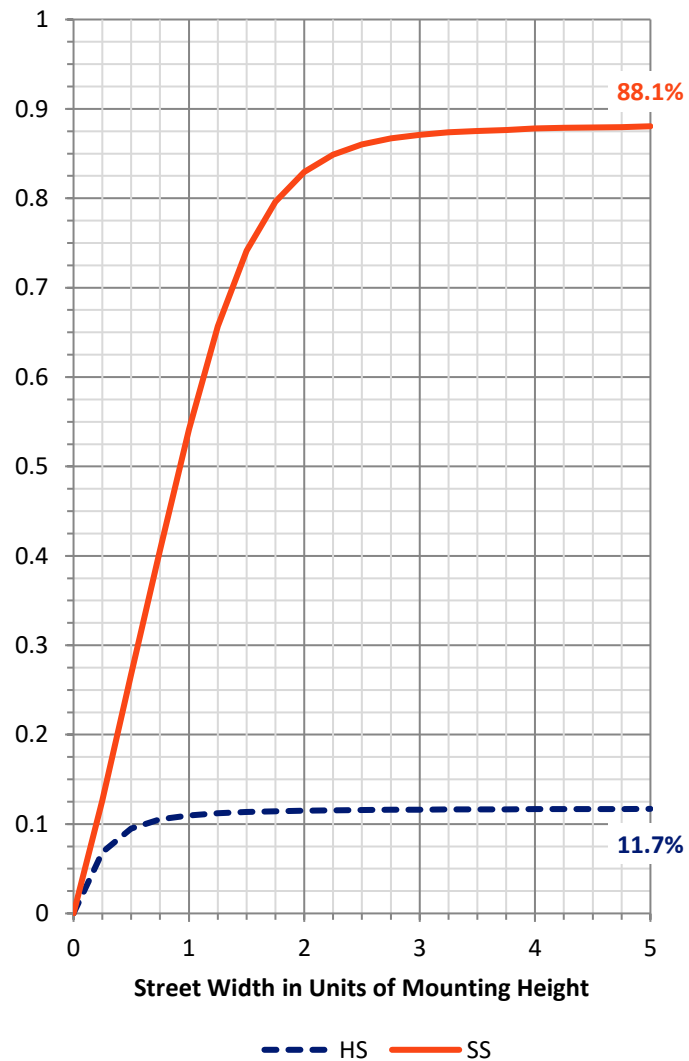
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2536.0	0.0	2536.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	18952.0	0.0	18952.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	21488.0	0.0	21488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.0	0.8
10°-20°	491.3	2.3
20°-30°	899.3	4.2
30°-40°	1827.3	8.5
40°-50°	3858.7	18.0
50°-60°	5932.0	27.6
60°-70°	5971.0	27.8
70°-80°	2231.1	10.4
80°-90°	111.5	0.5
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°	21488.0	100.0
0°-180°	21488.0	100.0

Coefficient of Utilization



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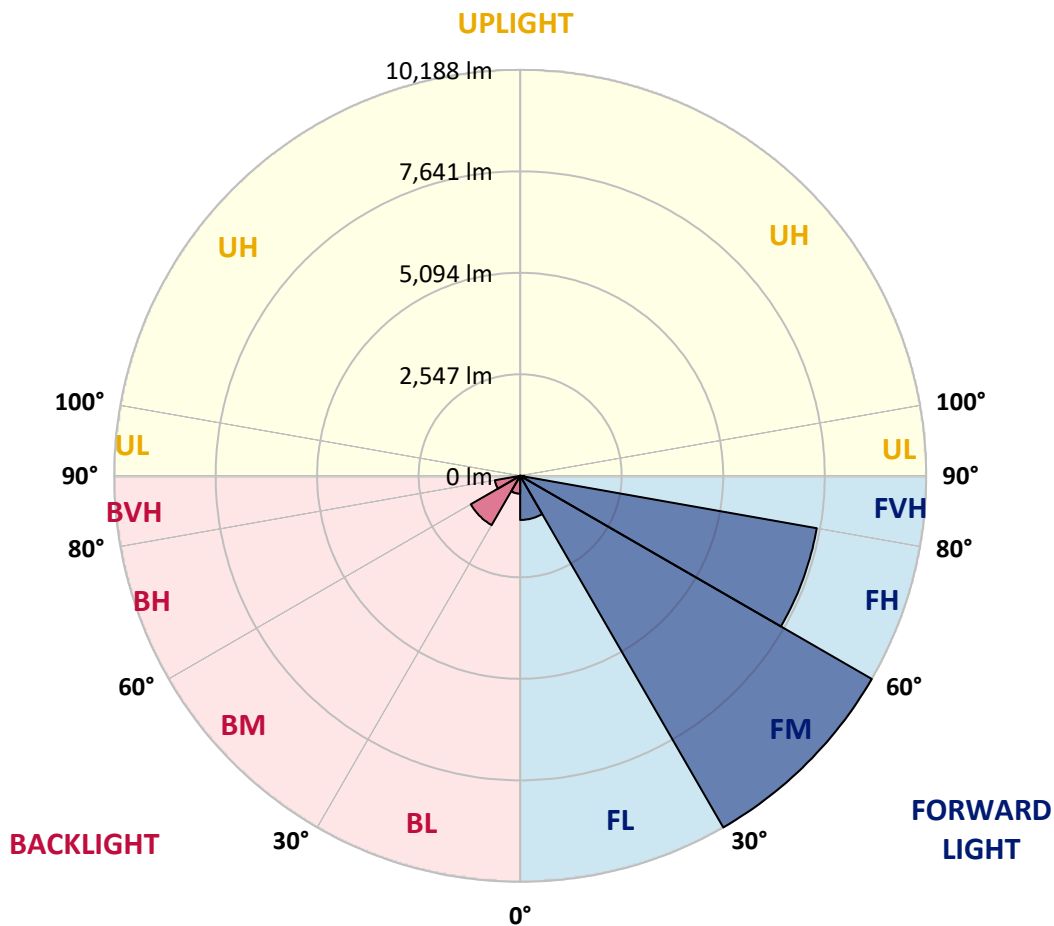
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1107.7	5.2			
FM	(30°-60°)	10188.1	47.4			
FH	(60°-80°)	7557.9	35.2			G4/12000
FVH	(80°-90°)	98.4	0.5			G1/100
BL	(0°-30°)	448.9	2.1	B1/500		
BM	(30°-60°)	1429.8	6.7	B2/2500		
BH	(60°-80°)	644.2	3.0	B2/1000		G2/1000
BVH	(80°-90°)	13.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7
2.5°	1996.3	2000.2	1992.4	1976.8	1961.2	1941.7	1910.5	1859.8	1852.0	1817.0	1778.0
5°	2132.8	2140.6	2128.9	2125.0	2117.2	2089.9	2047.0	1972.9	1965.1	1894.9	1805.3
7.5°	2179.6	2191.3	2183.5	2183.5	2183.5	2171.8	2152.3	2086.0	2074.3	1984.6	1848.1
10°	2214.7	2222.5	2218.6	2234.1	2245.8	2238.0	2226.3	2187.4	2175.7	2086.0	1906.6
12.5°	2269.2	2273.1	2277.0	2284.8	2304.3	2312.1	2308.2	2273.1	2265.3	2203.0	1980.7
15°	2319.9	2319.9	2323.8	2358.9	2386.2	2401.8	2405.7	2378.4	2370.6	2319.9	2074.3
17.5°	2366.7	2370.6	2382.3	2421.3	2468.1	2499.3	2518.8	2507.1	2495.4	2456.4	2183.5
20°	2436.9	2444.7	2456.4	2511.0	2557.8	2608.5	2647.4	2643.5	2639.6	2612.4	2312.1
22.5°	2557.8	2565.6	2585.1	2635.7	2682.5	2744.9	2811.2	2807.3	2795.6	2776.1	2464.2
25°	2741.0	2741.0	2752.7	2795.6	2854.1	2928.2	2990.6	3002.3	2990.6	2978.9	2655.2
27.5°	2971.1	2975.0	2975.0	3021.8	3076.3	3169.9	3247.9	3259.6	3259.6	3247.9	2912.6
30°	3290.8	3279.1	3271.3	3310.3	3368.8	3505.2	3641.7	3665.1	3653.4	3672.9	3275.2
32.5°	3840.6	3821.1	3754.8	3762.6	3797.7	3984.8	4214.9	4296.7	4292.8	4327.9	3860.0
35°	4600.9	4561.9	4464.4	4382.5	4378.6	4581.4	4932.3	5240.3	5236.4	5357.3	4749.0
37.5°	5458.7	5509.3	5326.1	5185.7	5142.8	5302.7	5755.0	6421.7	6456.8	6667.4	5914.8
40°	6605.0	6636.2	6402.2	6203.4	6000.6	6059.1	6655.7	7692.8	7755.2	7989.1	7080.7
42.5°	7603.1	7634.3	7497.8	7256.1	6998.8	6889.6	7564.1	8846.9	8897.6	9221.2	8281.6
45°	8281.6	8304.9	8351.7	8375.1	8082.7	7856.6	8675.4	10032.2	10094.6	10468.9	9455.2
47.5°	8811.8	8831.3	8924.9	9158.8	9100.4	8921.0	9806.1	11264.3	11279.9	11697.1	10597.6
50°	9057.5	9104.3	9334.3	9693.0	9950.3	10001.0	11034.3	12430.1	12473.0	12870.7	11677.6
52.5°	8784.5	8800.1	9381.1	10055.6	10574.2	11088.9	12266.4	13510.2	13634.9	13931.3	12648.5
55°	7864.4	7977.4	8858.6	10043.9	11065.5	12122.1	13584.2	14676.0	14789.0	14976.2	13502.4
57.5°	6796.0	6920.8	7993.0	9540.9	11276.0	13077.4	14804.6	15915.9	15993.8	16044.5	14286.1
60°	5871.9	5988.9	7092.3	8577.9	11065.5	13751.9	15939.3	17148.0	17214.2	17077.8	14679.9
62.5°	4737.3	4854.3	5965.5	7302.9	10238.9	13888.4	16781.5	18243.6	18270.9	17900.5	14438.1
65°	3571.5	3649.5	4577.5	5723.8	8792.3	13163.1	16972.5	18925.9	18898.6	18138.3	13712.9
66°	3201.1	3267.4	4086.2	5060.9	8039.8	12500.3	16715.2	18980.5	18953.2	17962.9	13237.2
67.5°	2760.5	2780.0	3454.5	4140.8	6725.8	11092.8	15931.5	18731.0	18754.4	17479.4	12367.7
70°	2156.2	2152.3	2542.2	2881.4	4593.1	7891.7	13287.9	17159.7	17272.7	15654.6	10546.9
72.5°	1380.3	1333.5	1559.6	1762.4	2674.7	4581.4	9689.1	13985.8	14176.9	12297.6	7856.6
75°	822.7	775.9	830.5	881.2	1282.8	2203.0	5696.5	9517.5	9700.8	7883.9	4674.9
77.5°	616.0	596.6	600.5	557.6	569.3	826.6	2600.7	5029.8	5162.3	3228.4	1774.1
80°	471.8	421.1	393.8	413.3	374.3	327.5	967.0	1731.2	1813.1	764.2	370.4
82.5°	315.8	272.9	253.4	276.8	237.8	183.3	233.9	335.3	327.5	206.6	144.3
85°	163.8	140.4	140.4	140.4	120.9	89.7	101.4	136.5	136.5	109.2	85.8
87.5°	46.8	42.9	50.7	46.8	35.1	35.1	39.0	46.8	46.8	42.9	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°	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7	1750.7
2.5°	1746.8	1731.2	1688.3	1657.1	1625.9	1598.6	1567.4	1559.6	1544.0	1547.9	1540.1
5°	1758.5	1715.6	1641.5	1571.3	1516.7	1469.9	1411.5	1388.1	1356.9	1345.2	1337.4
7.5°	1774.1	1711.7	1602.5	1505.0	1411.5	1317.9	1224.3	1169.7	1134.6	1119.0	1107.3
10°	1809.2	1727.3	1583.0	1430.9	1271.1	1138.5	1044.9	1006.0	982.6	978.7	974.8
12.5°	1855.9	1750.7	1563.5	1337.4	1126.8	1002.1	943.6	931.9	928.0	928.0	924.1
15°	1926.1	1789.7	1532.3	1228.2	1013.7	928.0	900.7	881.2	873.4	873.4	873.4
17.5°	1996.3	1836.4	1485.5	1115.1	935.8	881.2	853.9	842.2	834.4	838.3	834.4
20°	2086.0	1891.0	1423.1	1017.6	885.1	842.2	814.9	803.2	799.3	799.3	799.3
22.5°	2187.4	1953.4	1345.2	943.6	842.2	803.2	775.9	764.2	756.4	760.3	760.3
25°	2323.8	2031.4	1263.3	869.5	799.3	764.2	733.0	717.4	717.4	721.3	725.2
27.5°	2499.3	2125.0	1181.4	822.7	760.3	725.2	690.1	674.5	678.4	686.2	686.2
30°	2756.6	2253.6	1099.5	772.0	717.4	678.4	647.2	631.6	639.4	655.0	655.0
32.5°	3123.1	2464.2	1029.3	713.5	655.0	612.1	581.0	569.3	588.8	619.9	619.9
35°	3778.2	2850.2	986.5	655.0	588.8	538.1	499.1	487.4	514.7	553.7	553.7
37.5°	4655.4	3470.1	1002.1	604.4	534.2	475.7	432.8	417.2	436.7	471.8	483.5
40°	5634.1	4218.8	1138.5	561.5	483.5	425.0	382.1	366.5	378.2	393.8	397.7
42.5°	6612.8	5014.2	1395.9	530.3	444.5	382.1	343.1	331.4	339.2	343.1	347.0
45°	7587.5	5801.8	1719.5	510.8	409.4	347.0	308.0	308.0	311.9	311.9	311.9
47.5°	8511.6	6569.9	2058.7	506.9	378.2	311.9	280.7	284.6	284.6	288.5	288.5
50°	9385.0	7256.1	2401.8	518.6	350.9	280.7	257.3	257.3	257.3	261.2	257.3
52.5°	10114.1	7856.6	2760.5	538.1	323.6	257.3	233.9	233.9	233.9	237.8	233.9
55°	10804.2	8402.4	3127.0	565.4	300.2	237.8	214.4	206.6	206.6	210.5	206.6
57.5°	11365.7	8765.0	3474.0	569.3	280.7	218.3	198.9	187.2	187.2	187.2	187.2
60°	11389.1	8554.5	3575.4	499.1	257.3	198.9	179.4	163.8	167.7	167.7	167.7
62.5°	10644.4	7447.2	2873.6	374.3	230.0	179.4	163.8	148.2	148.2	148.2	148.2
65°	9182.2	5794.0	1684.4	296.3	198.9	159.9	144.3	132.6	132.6	132.6	128.7
66°	8496.0	5080.4	1290.6	269.0	187.2	156.0	140.4	128.7	124.8	120.9	120.9
67.5°	7377.0	4016.0	807.1	237.8	171.6	144.3	128.7	117.0	113.1	109.2	109.2
70°	5556.1	2550.0	393.8	183.3	148.2	124.8	113.1	101.4	97.5	93.6	89.7
72.5°	3899.0	1493.3	206.6	140.4	120.9	109.2	97.5	85.8	81.9	78.0	78.0
75°	2203.0	721.3	136.5	101.4	97.5	89.7	81.9	70.2	66.3	66.3	66.3
77.5°	834.4	249.5	93.6	74.1	78.0	70.2	58.5	58.5	54.6	58.5	54.6
80°	218.3	109.2	58.5	54.6	58.5	50.7	42.9	46.8	46.8	46.8	46.8
82.5°	117.0	62.4	35.1	39.0	35.1	35.1	27.3	31.2	35.1	31.2	35.1
85°	81.9	31.2	19.5	19.5	15.6	15.6	11.7	15.6	19.5	15.6	15.6
87.5°	42.9	11.7	11.7	11.7	11.7	7.8	3.9	0.0	3.9	3.9	3.9
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)