

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: P1210452

Luminaire Tested: **ARCH3-130-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-130-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11800 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

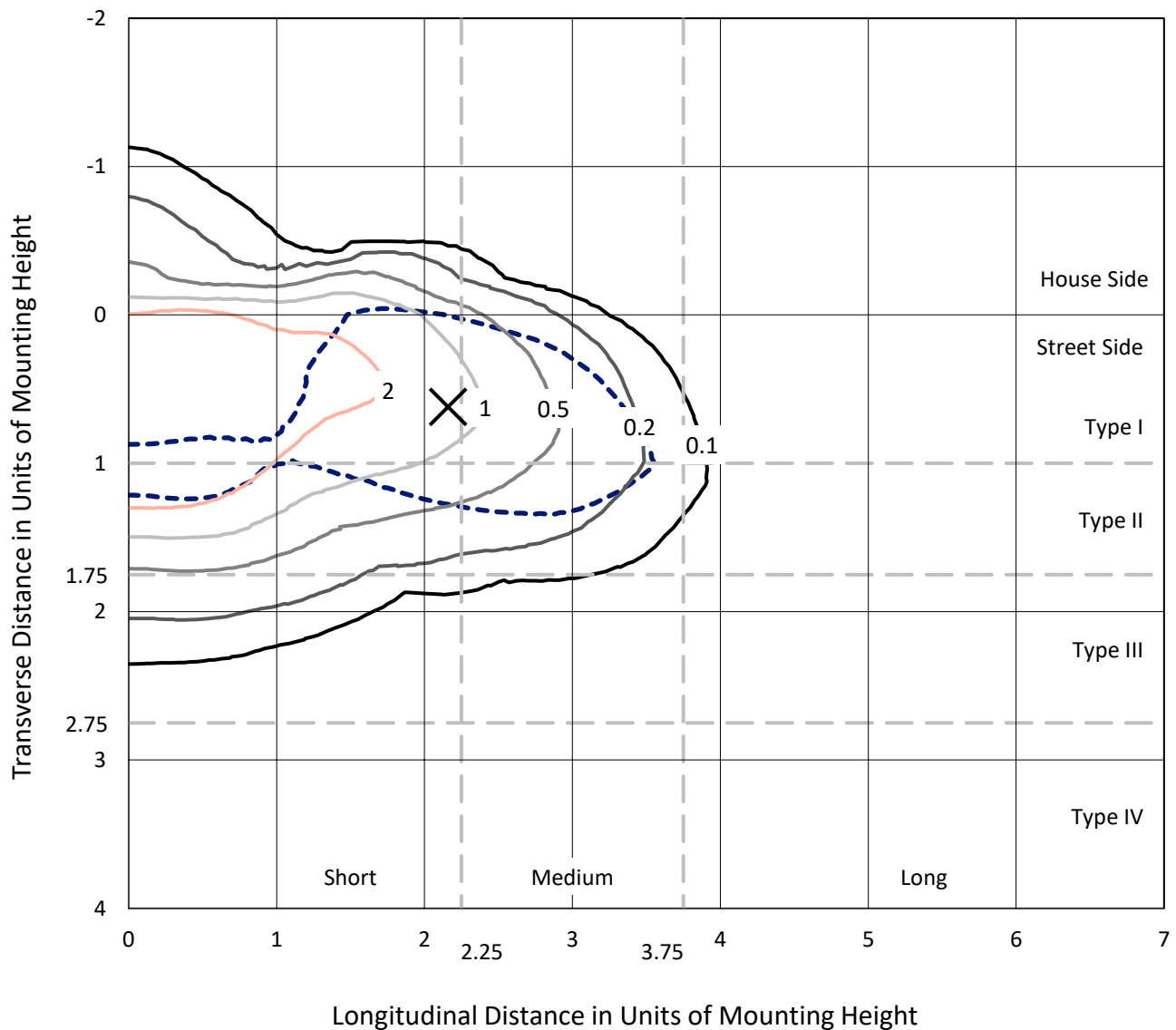
Input Watts (W): 132.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

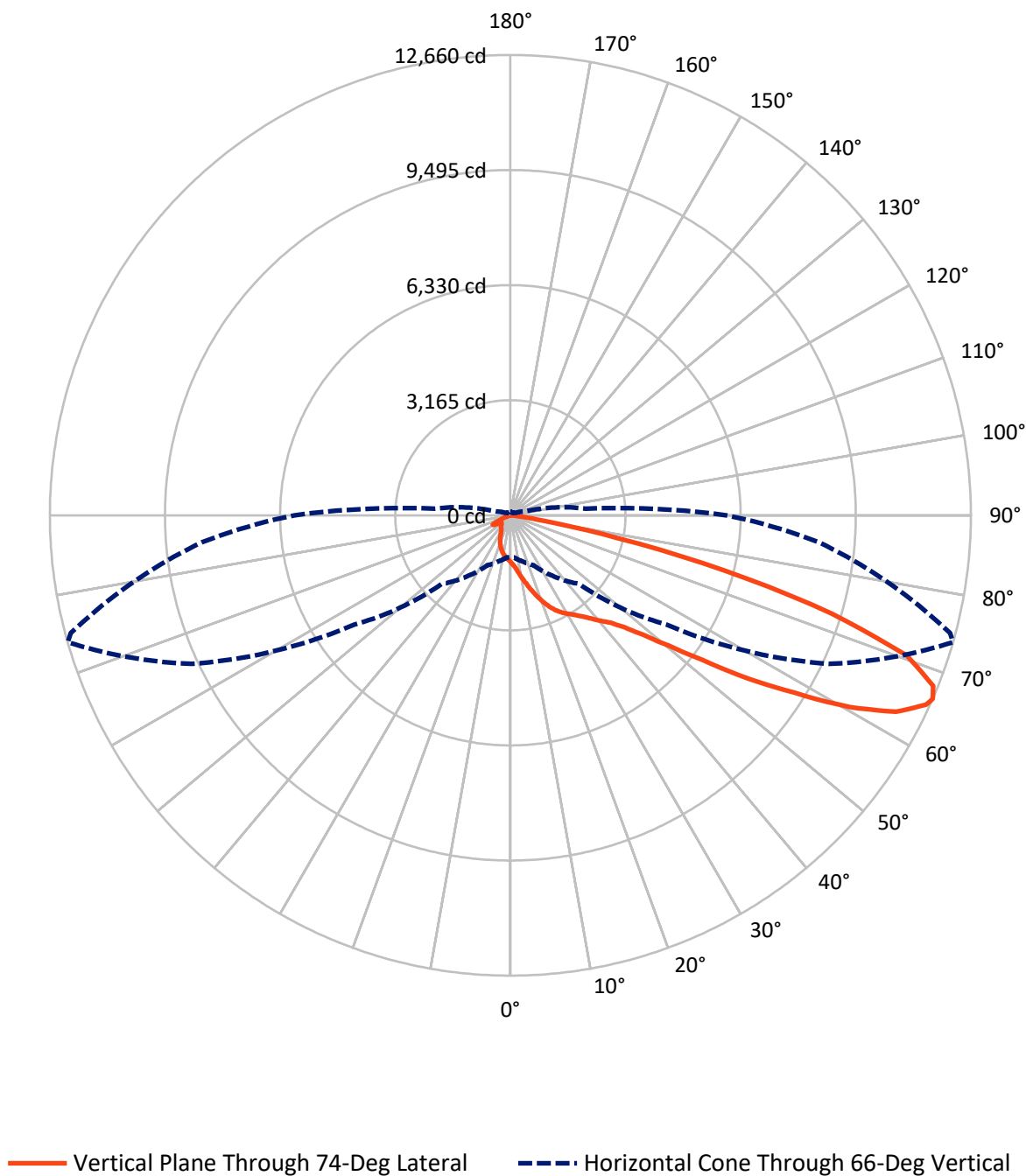
× Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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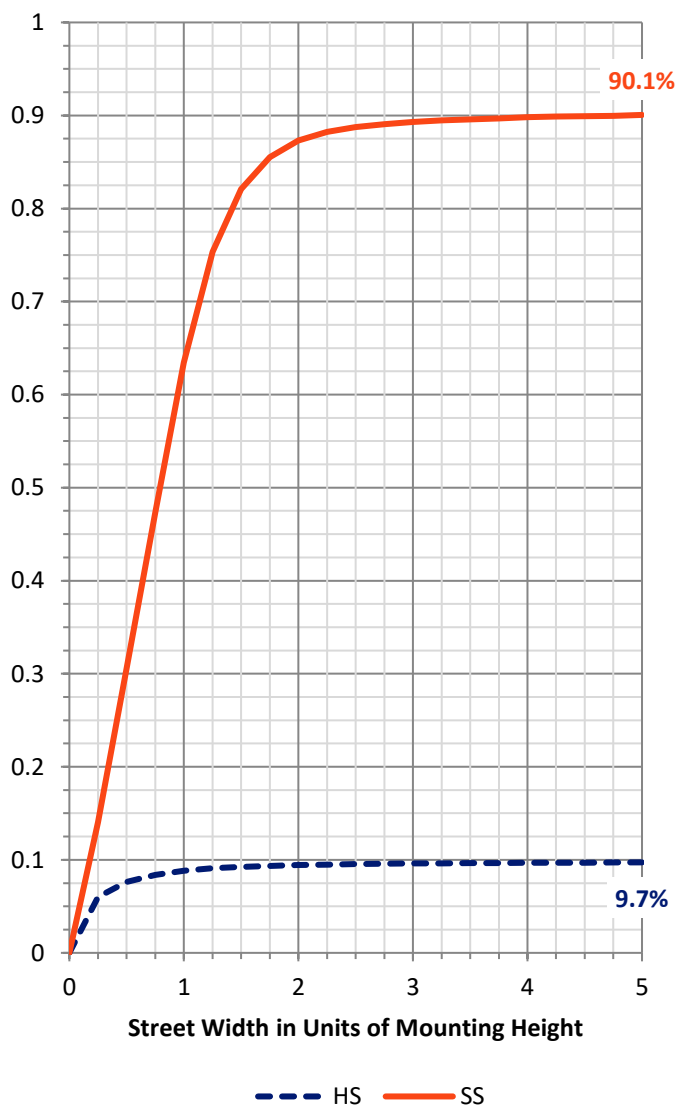
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1156.8	0.0	1156.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	10643.2	0.0	10643.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	11800.0	0.0	11800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	1.1
10°-20°	403.0	3.4
20°-30°	769.2	6.5
30°-40°	1348.2	11.4
40°-50°	2311.8	19.6
50°-60°	3006.7	25.5
60°-70°	2721.8	23.1
70°-80°	1050.2	8.9
80°-90°	63.2	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°	11800.0	100.0
0°-180°	11800.0	100.0

Coefficient of Utilization



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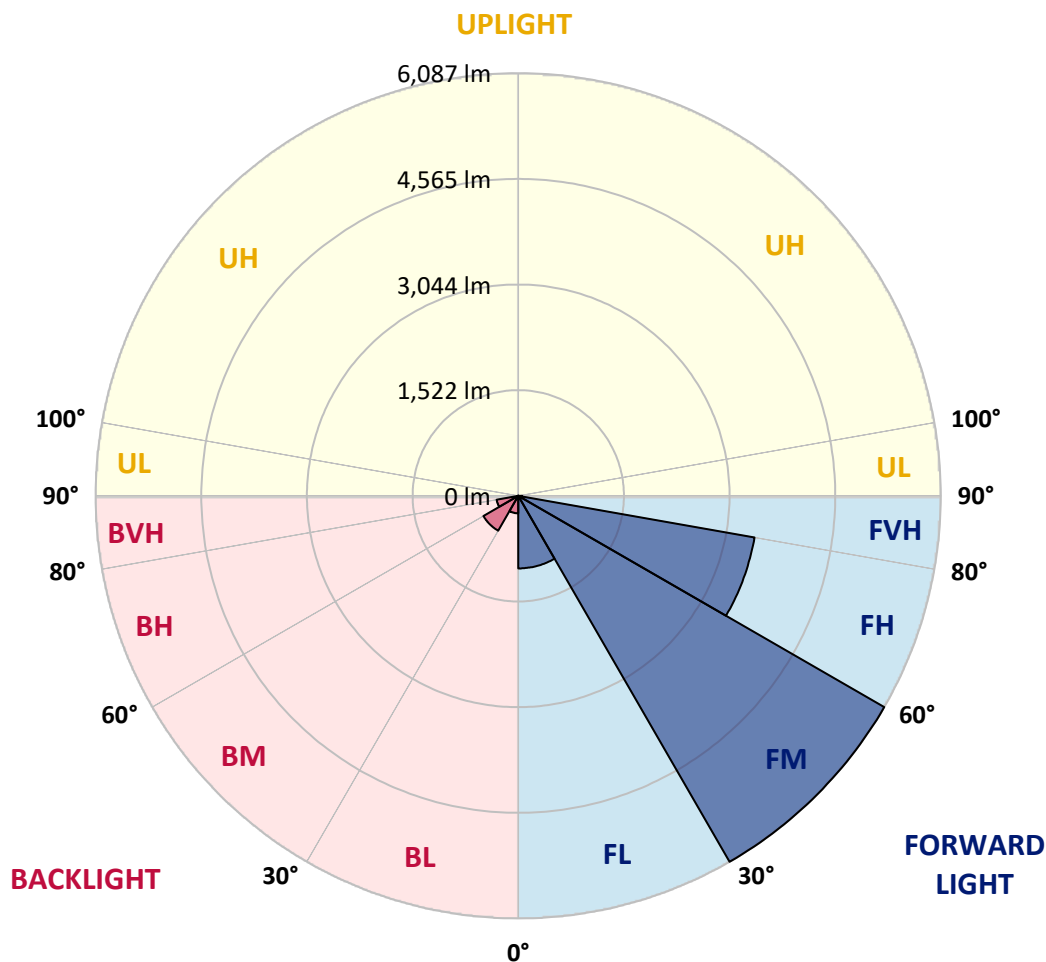
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1045.7	8.9			
FM	(30°-60°)	6087.0	51.6			
FH	(60°-80°)	3455.8	29.3			G2/5000
FVH	(80°-90°)	54.7	0.5			G1/100
BL	(0°-30°)	252.3	2.1	B1/500		
BM	(30°-60°)	579.7	4.9	B1/1000		
BH	(60°-80°)	316.2	2.7	B1/500		G1/500
BVH	(80°-90°)	8.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1
2.5°	1546.5	1533.8	1510.5	1508.4	1489.3	1466.0	1425.8	1383.4	1353.7	1349.5	1313.5
5°	1851.6	1845.2	1821.9	1807.1	1771.1	1716.0	1622.8	1529.6	1451.2	1442.7	1362.2
7.5°	1932.1	1936.3	1940.6	1955.4	1942.7	1917.3	1847.4	1716.0	1593.1	1574.1	1434.3
10°	1944.8	1940.6	1940.6	1959.6	1995.7	2031.7	2023.2	1910.9	1752.0	1728.7	1533.8
12.5°	2082.5	2088.9	2074.1	2065.6	2059.2	2078.3	2141.8	2093.1	1919.4	1900.3	1654.6
15°	2260.5	2258.4	2237.2	2237.2	2218.1	2186.3	2226.6	2262.6	2120.7	2097.4	1792.3
17.5°	2389.7	2398.2	2396.1	2408.8	2402.4	2360.1	2338.9	2413.0	2328.3	2298.6	1949.1
20°	2493.5	2516.8	2525.3	2565.6	2584.6	2555.0	2499.9	2546.5	2527.4	2499.9	2107.9
22.5°	2603.7	2622.8	2637.6	2707.5	2760.5	2754.1	2684.2	2673.6	2720.2	2694.8	2264.7
25°	2713.8	2722.3	2766.8	2851.6	2936.3	2957.5	2885.5	2802.8	2893.9	2870.6	2404.5
27.5°	2834.6	2838.8	2891.8	2995.6	3114.3	3158.7	3101.5	2949.0	3027.4	3027.4	2531.7
30°	3054.9	3097.3	3118.5	3211.7	3315.5	3377.0	3309.2	3103.7	3146.0	3165.1	2665.1
32.5°	3529.5	3535.8	3529.5	3569.7	3590.9	3626.9	3548.6	3277.4	3266.8	3288.0	2796.5
35°	4254.0	4228.6	4160.8	4101.5	3978.6	3910.8	3809.1	3499.8	3415.1	3444.7	2925.7
37.5°	5133.2	5097.2	4942.6	4760.4	4497.7	4226.5	4099.4	3771.0	3603.6	3641.8	3065.5
40°	5972.2	5948.9	5764.5	5540.0	5090.9	4626.9	4357.8	3999.8	3813.4	3828.2	3207.5
42.5°	6662.8	6658.6	6503.9	6268.8	5692.5	5059.1	4662.9	4224.4	4033.7	4057.0	3355.8
45°	7186.1	7145.8	7031.4	6861.9	6275.1	5508.2	5031.5	4565.5	4387.5	4415.0	3578.2
47.5°	7186.1	7192.4	7266.6	7249.6	6681.9	5929.8	5434.1	4995.5	4910.8	4936.2	3944.7
50°	6601.4	6660.7	6991.2	7268.7	6893.7	6258.2	5868.4	5533.6	5620.5	5658.6	4584.5
52.5°	5444.6	5544.2	6118.3	6751.8	6737.0	6423.4	6317.5	6217.9	6607.7	6675.5	5529.4
55°	4137.5	4203.2	4951.0	5783.6	6054.8	6287.8	6709.4	7086.5	7914.9	7900.0	6489.1
57.5°	3090.9	3152.4	3796.4	4720.1	5078.1	5701.0	6910.7	8080.1	9211.4	9268.6	7389.5
60°	2273.2	2319.8	2868.5	3626.9	4143.9	4802.7	6830.2	9058.9	10705.0	10639.3	8183.9
62.5°	1682.1	1707.5	2103.7	2597.3	3283.7	3912.9	6323.8	9728.3	11897.7	11764.2	8626.7
65°	1300.8	1309.3	1514.8	1777.5	2387.6	3042.2	5569.6	9830.0	12556.6	12414.6	8618.2
66°	1158.8	1165.2	1315.6	1519.0	2031.7	2663.0	5239.1	9666.9	12660.4	12510.0	8512.3
67.5°	972.4	968.2	1057.2	1190.6	1525.3	2055.0	4652.3	9190.2	12537.5	12461.2	8173.3
70°	720.3	722.4	766.9	798.7	891.9	1137.7	3360.0	7972.1	11554.5	11550.3	7243.3
72.5°	533.9	540.2	574.1	580.5	557.2	616.5	1936.3	6340.8	9243.2	9245.3	5415.0
75°	400.4	411.0	421.6	425.8	404.6	389.8	875.0	4266.7	6080.2	6035.7	3065.5
77.5°	305.1	309.3	317.8	311.4	307.2	269.1	364.4	2080.4	3002.0	2735.0	993.6
80°	222.4	222.4	230.9	222.4	220.3	192.8	199.1	667.3	881.3	733.0	214.0
82.5°	139.8	137.7	144.1	141.9	137.7	122.9	116.5	186.4	203.4	182.2	103.8
85°	78.4	76.3	74.1	72.0	65.7	55.1	63.6	69.9	93.2	95.3	74.1
87.5°	27.5	27.5	25.4	23.3	19.1	19.1	23.3	23.3	33.9	33.9	38.1
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°	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1	1288.1
2.5°	1296.5	1273.2	1239.3	1194.9	1163.1	1131.3	1097.4	1078.3	1050.8	1044.4	1052.9
5°	1319.9	1277.5	1192.7	1099.5	1019.0	947.0	879.2	838.9	798.7	783.9	790.2
7.5°	1368.6	1296.5	1152.5	1002.1	868.6	760.6	680.1	633.4	597.4	582.6	586.8
10°	1440.6	1330.4	1114.4	891.9	720.3	605.9	538.1	508.4	487.3	478.8	480.9
12.5°	1527.5	1379.2	1065.6	781.7	593.2	493.6	461.8	455.5	451.2	447.0	449.1
15°	1624.9	1421.5	1008.4	673.7	493.6	438.5	427.9	425.8	423.7	423.7	423.7
17.5°	1726.6	1459.7	944.9	572.0	430.1	404.6	398.3	398.3	398.3	400.4	400.4
20°	1821.9	1489.3	870.7	480.9	394.0	372.9	368.6	368.6	370.7	372.9	372.9
22.5°	1915.2	1502.0	783.9	417.4	364.4	345.3	339.0	339.0	339.0	341.1	341.1
25°	1995.7	1502.0	697.0	377.1	339.0	319.9	311.4	309.3	311.4	311.4	311.4
27.5°	2063.5	1495.7	612.3	349.6	313.5	294.5	286.0	283.9	288.1	290.2	290.2
30°	2135.5	1487.2	544.5	324.1	292.4	273.3	264.8	264.8	271.2	279.6	279.6
32.5°	2205.4	1493.6	491.5	303.0	271.2	256.3	247.9	250.0	262.7	275.4	275.4
35°	2279.5	1506.3	459.7	288.1	256.3	241.5	235.2	241.5	254.2	266.9	266.9
37.5°	2353.7	1521.1	440.7	275.4	243.6	228.8	224.6	233.0	247.9	260.6	262.7
40°	2432.1	1533.8	419.5	262.7	235.2	218.2	216.1	224.6	243.6	256.3	258.5
42.5°	2529.5	1559.2	394.0	252.1	226.7	205.5	207.6	214.0	233.0	252.1	254.2
45°	2720.2	1639.7	368.6	241.5	216.1	199.1	194.9	199.1	220.3	241.5	245.8
47.5°	3078.2	1821.9	341.1	230.9	205.5	194.9	178.0	182.2	201.3	224.6	226.7
50°	3764.6	2209.6	326.3	220.3	197.0	180.1	161.0	161.0	175.8	197.0	197.0
52.5°	4834.5	2904.5	334.7	211.9	186.4	165.2	146.2	144.1	152.5	167.4	167.4
55°	5989.1	3667.2	366.5	203.4	173.7	156.8	135.6	125.0	131.3	139.8	139.8
57.5°	6904.3	4050.6	453.4	199.1	158.9	150.4	122.9	108.0	114.4	122.9	122.9
60°	7306.8	3826.1	550.8	203.4	148.3	139.8	110.2	95.3	105.9	114.4	116.5
62.5°	6980.6	3150.3	591.1	192.8	133.5	125.0	108.0	89.0	101.7	108.0	110.2
65°	6275.1	2393.9	461.8	167.4	122.9	108.0	97.5	84.7	95.3	101.7	101.7
66°	5940.4	2086.8	394.0	154.7	118.6	101.7	93.2	84.7	93.2	97.5	99.6
67.5°	5421.3	1646.1	292.4	135.6	110.2	93.2	86.9	80.5	89.0	93.2	93.2
70°	4239.2	980.9	175.8	105.9	95.3	82.6	78.4	74.1	80.5	82.6	82.6
72.5°	2654.5	466.1	112.3	78.4	80.5	78.4	65.7	69.9	72.0	74.1	74.1
75°	1286.0	184.3	76.3	57.2	65.7	74.1	53.0	61.4	63.6	67.8	65.7
77.5°	358.0	89.0	48.7	42.4	57.2	57.2	40.3	48.7	57.2	72.0	65.7
80°	103.8	57.2	31.8	31.8	40.3	40.3	27.5	33.9	38.1	42.4	44.5
82.5°	72.0	38.1	21.2	23.3	23.3	25.4	16.9	16.9	21.2	21.2	23.3
85°	57.2	16.9	12.7	14.8	10.6	12.7	8.5	8.5	10.6	8.5	8.5
87.5°	23.3	8.5	8.5	8.5	6.4	6.4	4.2	2.1	2.1	2.1	2.1
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)