

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: P1210388

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

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210388
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: ARCH3-110-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 880mA 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: 10357 lumens
Efficiency: N/A
Efficacy: 92.6 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

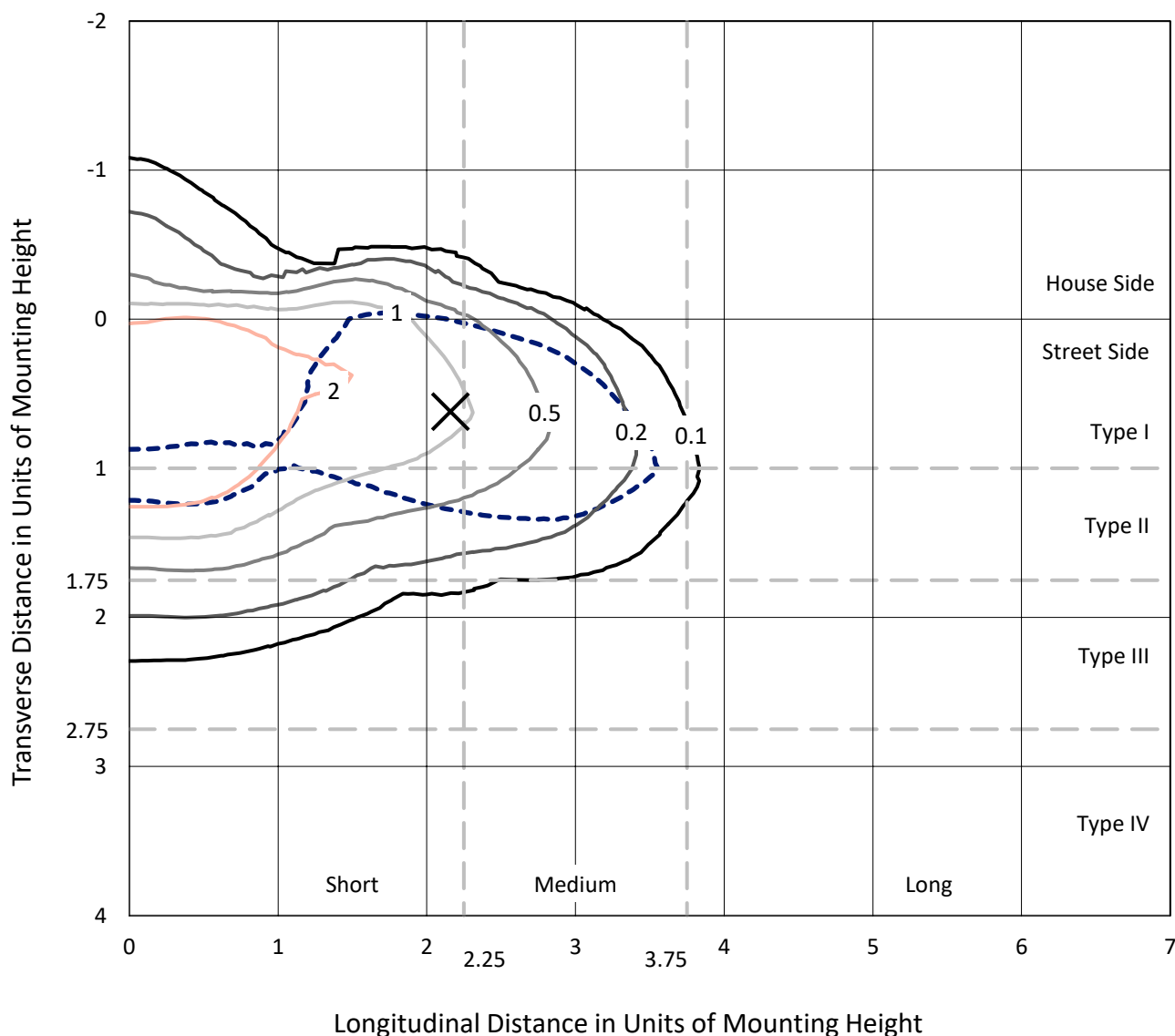
Input Watts (W): 111.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

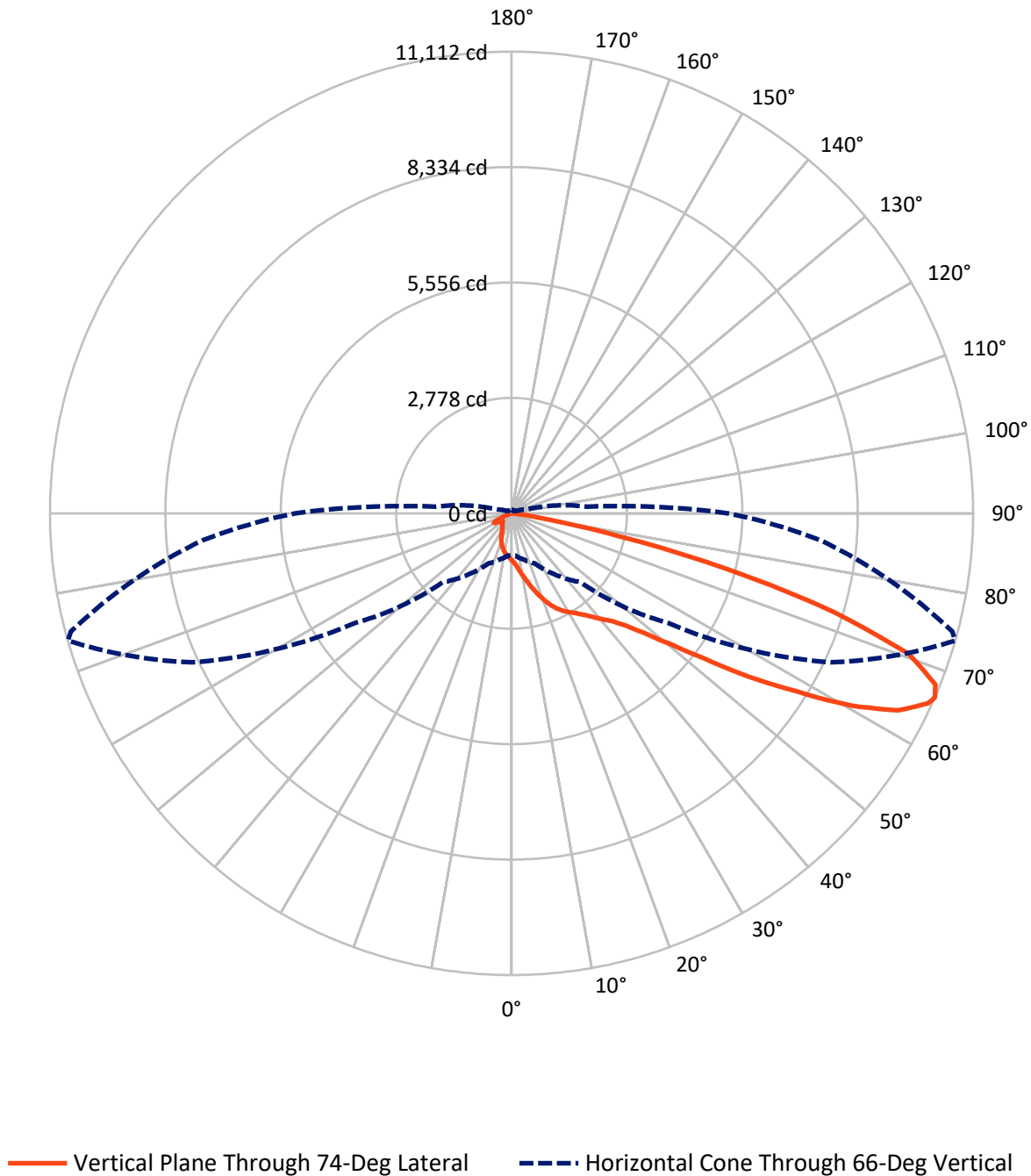
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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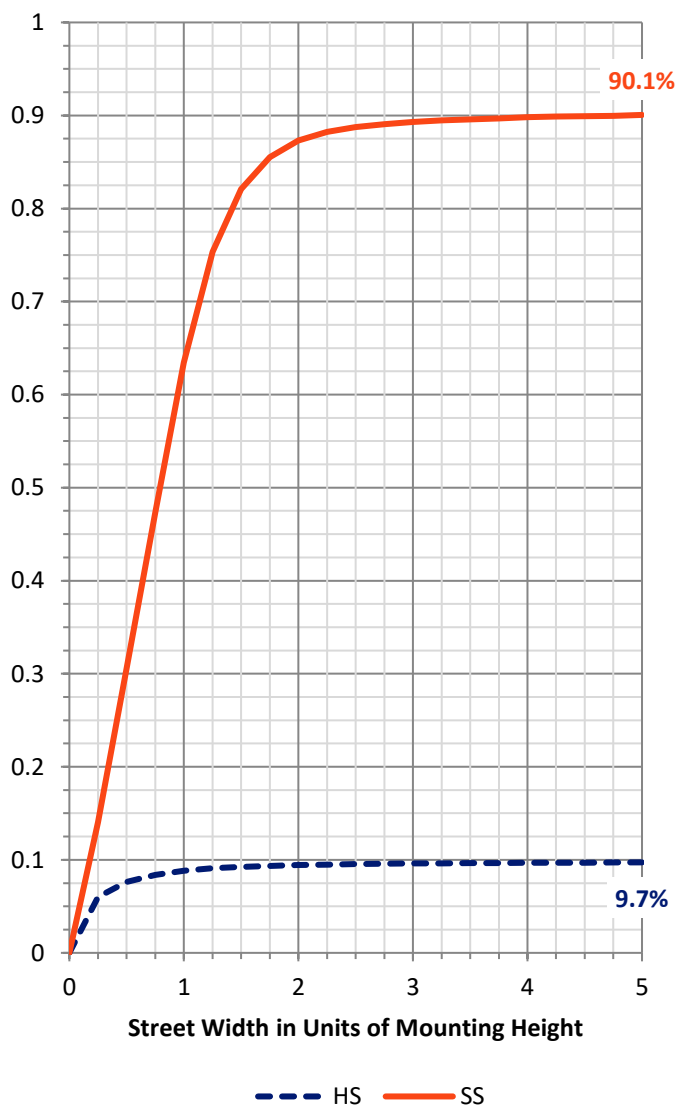
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1015.3	0.0	1015.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	9341.7	0.0	9341.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	10357.0	0.0	10357.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	1.1
10°-20°	353.8	3.4
20°-30°	675.1	6.5
30°-40°	1183.3	11.4
40°-50°	2029.1	19.6
50°-60°	2639.0	25.5
60°-70°	2389.0	23.1
70°-80°	921.8	8.9
80°-90°	55.5	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°	10357.0	100.0
0°-180°	10357.0	100.0

Coefficient of Utilization



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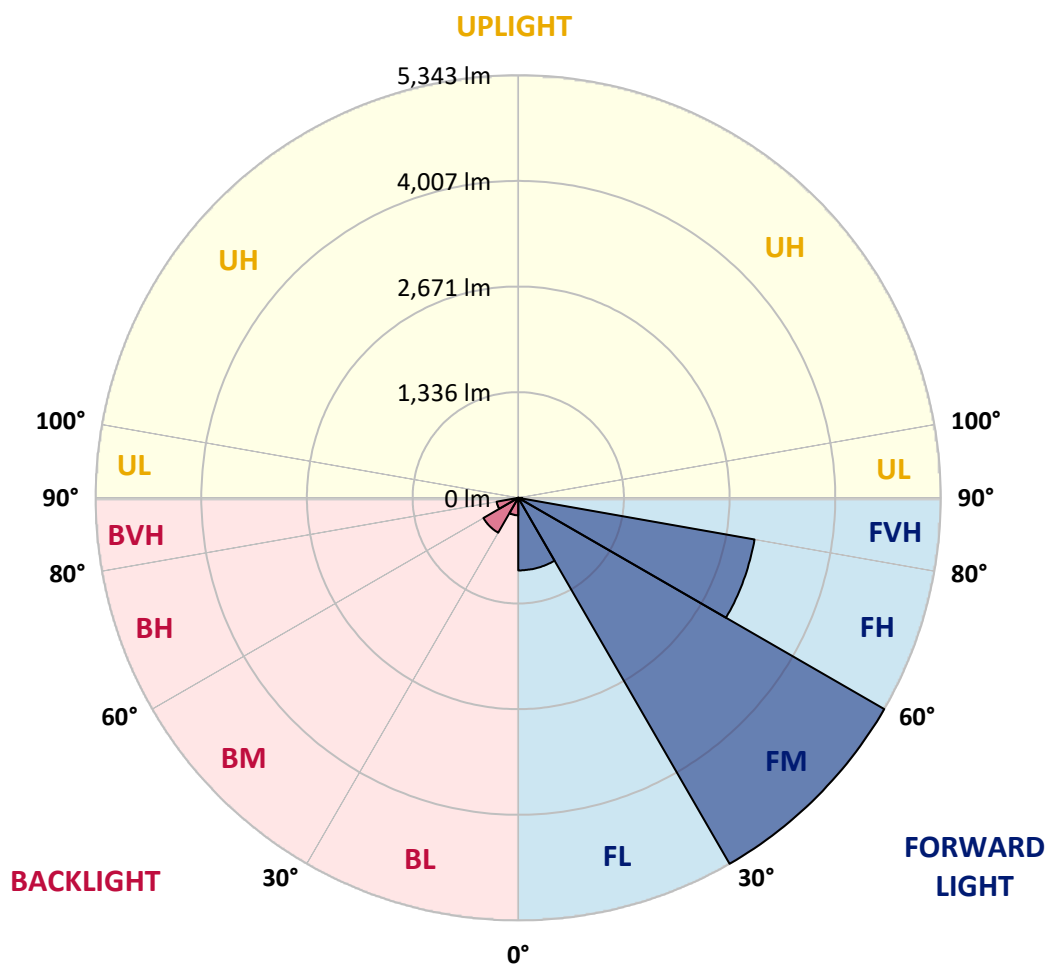
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	917.8	8.9			
FM	(30°-60°)	5342.7	51.6			
FH	(60°-80°)	3033.2	29.3			G2/5000
FVH	(80°-90°)	48.0	0.5			G1/100
BL	(0°-30°)	221.5	2.1	B1/500		
BM	(30°-60°)	508.8	4.9	B1/1000		
BH	(60°-80°)	277.6	2.7	B1/500		G1/500
BVH	(80°-90°)	7.4	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°	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6
2.5°	1357.4	1346.3	1325.8	1323.9	1307.2	1286.8	1251.4	1214.2	1188.2	1184.5	1152.9
5°	1625.2	1619.6	1599.1	1586.1	1554.5	1506.2	1424.4	1342.5	1273.7	1266.3	1195.6
7.5°	1695.8	1699.6	1703.3	1716.3	1705.1	1682.8	1621.5	1506.2	1398.3	1381.6	1258.9
10°	1707.0	1703.3	1703.3	1720.0	1751.6	1783.2	1775.8	1677.2	1537.8	1517.3	1346.3
12.5°	1827.9	1833.4	1820.4	1813.0	1807.4	1824.1	1879.9	1837.2	1684.7	1667.9	1452.2
15°	1984.1	1982.2	1963.6	1963.6	1946.9	1919.0	1954.3	1985.9	1861.3	1840.9	1573.1
17.5°	2097.5	2104.9	2103.1	2114.2	2108.6	2071.4	2052.9	2117.9	2043.6	2017.5	1710.7
20°	2188.6	2209.0	2216.5	2251.8	2268.6	2242.5	2194.2	2235.1	2218.3	2194.2	1850.2
22.5°	2285.3	2302.0	2315.0	2376.4	2422.9	2417.3	2355.9	2346.6	2387.6	2365.2	1987.8
25°	2382.0	2389.4	2428.5	2502.8	2577.2	2595.8	2532.6	2460.1	2540.0	2519.6	2110.5
27.5°	2488.0	2491.7	2538.2	2629.3	2733.4	2772.5	2722.3	2588.4	2657.2	2657.2	2222.1
30°	2681.4	2718.5	2737.1	2819.0	2910.1	2964.0	2904.5	2724.1	2761.3	2778.0	2339.2
32.5°	3097.9	3103.5	3097.9	3133.2	3151.8	3183.4	3114.6	2876.6	2867.3	2885.9	2454.5
35°	3733.8	3711.5	3652.0	3599.9	3492.1	3432.6	3343.3	3071.8	2997.5	3023.5	2567.9
37.5°	4505.5	4473.9	4338.1	4178.2	3947.6	3709.6	3598.1	3309.9	3163.0	3196.4	2690.6
40°	5241.8	5221.4	5059.6	4862.5	4468.3	4061.1	3824.9	3510.7	3347.0	3360.1	2815.2
42.5°	5848.0	5844.3	5708.6	5502.2	4996.4	4440.4	4092.7	3707.8	3540.4	3560.9	2945.4
45°	6307.3	6272.0	6171.6	6022.8	5507.7	4834.6	4416.2	4007.2	3851.0	3875.1	3140.6
47.5°	6307.3	6312.9	6378.0	6363.1	5864.8	5204.6	4769.5	4384.6	4310.2	4332.6	3462.3
50°	5794.1	5846.2	6136.2	6379.8	6050.7	5492.9	5150.7	4856.9	4933.2	4966.6	4023.9
52.5°	4778.8	4866.2	5370.1	5926.1	5913.1	5637.9	5544.9	5457.5	5799.7	5859.2	4853.2
55°	3631.5	3689.2	4345.6	5076.3	5314.4	5518.9	5888.9	6219.9	6947.0	6934.0	5695.5
57.5°	2713.0	2766.9	3332.2	4142.9	4457.1	5003.8	6065.6	7092.0	8085.0	8135.2	6485.8
60°	1995.2	2036.1	2517.7	3183.4	3637.1	4215.4	5994.9	7951.1	9395.9	9338.2	7183.1
62.5°	1476.4	1498.7	1846.5	2279.7	2882.2	3434.4	5550.5	8538.7	10442.8	10325.6	7571.8
65°	1141.7	1149.2	1329.5	1560.1	2095.6	2670.2	4888.5	8627.9	11021.1	10896.5	7564.3
66°	1017.1	1022.7	1154.7	1333.2	1783.2	2337.4	4598.5	8484.7	11112.2	10980.2	7471.3
67.5°	853.5	849.8	927.9	1045.0	1338.8	1803.7	4083.4	8066.4	11004.3	10937.4	7173.8
70°	632.2	634.1	673.1	701.0	782.8	998.5	2949.1	6997.2	10141.5	10137.8	6357.5
72.5°	468.6	474.2	503.9	509.5	489.0	541.1	1699.6	5565.4	8112.9	8114.7	4752.8
75°	351.4	360.7	370.0	373.8	355.2	342.1	768.0	3745.0	5336.7	5297.6	2690.6
77.5°	267.8	271.5	278.9	273.3	269.6	236.2	319.8	1826.0	2634.9	2400.6	872.1
80°	195.2	195.2	202.7	195.2	193.4	169.2	174.8	585.7	773.5	643.4	187.8
82.5°	122.7	120.9	126.4	124.6	120.9	107.8	102.3	163.6	178.5	159.9	91.1
85°	68.8	66.9	65.1	63.2	57.6	48.3	55.8	61.4	81.8	83.7	65.1
87.5°	24.2	24.2	22.3	20.5	16.7	16.7	20.5	20.5	29.8	29.8	33.5
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°	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6	1130.6
2.5°	1138.0	1117.5	1087.8	1048.7	1020.8	993.0	963.2	946.5	922.3	916.7	924.2
5°	1158.4	1121.3	1046.9	965.1	894.4	831.2	771.7	736.3	701.0	688.0	693.6
7.5°	1201.2	1138.0	1011.6	879.5	762.4	667.5	596.9	556.0	524.4	511.4	515.1
10°	1264.4	1167.7	978.1	782.8	632.2	531.8	472.3	446.3	427.7	420.2	422.1
12.5°	1340.7	1210.5	935.3	686.1	520.7	433.3	405.4	399.8	396.1	392.3	394.2
15°	1426.2	1247.7	885.1	591.3	433.3	384.9	375.6	373.8	371.9	371.9	371.9
17.5°	1515.5	1281.2	829.3	502.1	377.5	355.2	349.6	349.6	349.6	351.4	351.4
20°	1599.1	1307.2	764.2	422.1	345.9	327.3	323.5	323.5	325.4	327.3	327.3
22.5°	1681.0	1318.4	688.0	366.3	319.8	303.1	297.5	297.5	297.5	299.4	299.4
25°	1751.6	1318.4	611.8	331.0	297.5	280.8	273.3	271.5	273.3	273.3	273.3
27.5°	1811.1	1312.8	537.4	306.8	275.2	258.5	251.0	249.2	252.9	254.7	254.7
30°	1874.3	1305.3	477.9	284.5	256.6	239.9	232.4	232.4	238.0	245.4	245.4
32.5°	1935.7	1310.9	431.4	265.9	238.0	225.0	217.6	219.4	230.6	241.7	241.7
35°	2000.8	1322.1	403.5	252.9	225.0	212.0	206.4	212.0	223.1	234.3	234.3
37.5°	2065.9	1335.1	386.8	241.7	213.8	200.8	197.1	204.5	217.6	228.7	230.6
40°	2134.7	1346.3	368.2	230.6	206.4	191.5	189.7	197.1	213.8	225.0	226.9
42.5°	2220.2	1368.6	345.9	221.3	199.0	180.4	182.2	187.8	204.5	221.3	223.1
45°	2387.6	1439.2	323.5	212.0	189.7	174.8	171.1	174.8	193.4	212.0	215.7
47.5°	2701.8	1599.1	299.4	202.7	180.4	171.1	156.2	159.9	176.6	197.1	199.0
50°	3304.3	1939.4	286.4	193.4	172.9	158.1	141.3	141.3	154.3	172.9	172.9
52.5°	4243.3	2549.3	293.8	185.9	163.6	145.0	128.3	126.4	133.9	146.9	146.9
55°	5256.7	3218.7	321.7	178.5	152.5	137.6	119.0	109.7	115.3	122.7	122.7
57.5°	6060.0	3555.3	397.9	174.8	139.5	132.0	107.8	94.8	100.4	107.8	107.8
60°	6413.3	3358.2	483.5	178.5	130.2	122.7	96.7	83.7	93.0	100.4	102.3
62.5°	6126.9	2765.0	518.8	169.2	117.1	109.7	94.8	78.1	89.3	94.8	96.7
65°	5507.7	2101.2	405.4	146.9	107.8	94.8	85.5	74.4	83.7	89.3	89.3
66°	5213.9	1831.6	345.9	135.7	104.1	89.3	81.8	74.4	81.8	85.5	87.4
67.5°	4758.4	1444.8	256.6	119.0	96.7	81.8	76.2	70.7	78.1	81.8	81.8
70°	3720.8	860.9	154.3	93.0	83.7	72.5	68.8	65.1	70.7	72.5	72.5
72.5°	2329.9	409.1	98.6	68.8	70.7	68.8	57.6	61.4	63.2	65.1	65.1
75°	1128.7	161.8	66.9	50.2	57.6	65.1	46.5	53.9	55.8	59.5	57.6
77.5°	314.2	78.1	42.8	37.2	50.2	50.2	35.3	42.8	50.2	63.2	57.6
80°	91.1	50.2	27.9	27.9	35.3	35.3	24.2	29.8	33.5	37.2	39.0
82.5°	63.2	33.5	18.6	20.5	20.5	22.3	14.9	14.9	18.6	18.6	20.5
85°	50.2	14.9	11.2	13.0	9.3	11.2	7.4	7.4	9.3	7.4	7.4
87.5°	20.5	7.4	7.4	7.4	5.6	5.6	3.7	1.9	1.9	1.9	1.9
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)