

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: P1210646

Luminaire Tested: **ARCH3-190-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210646
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: ARCH3-190-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1440mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

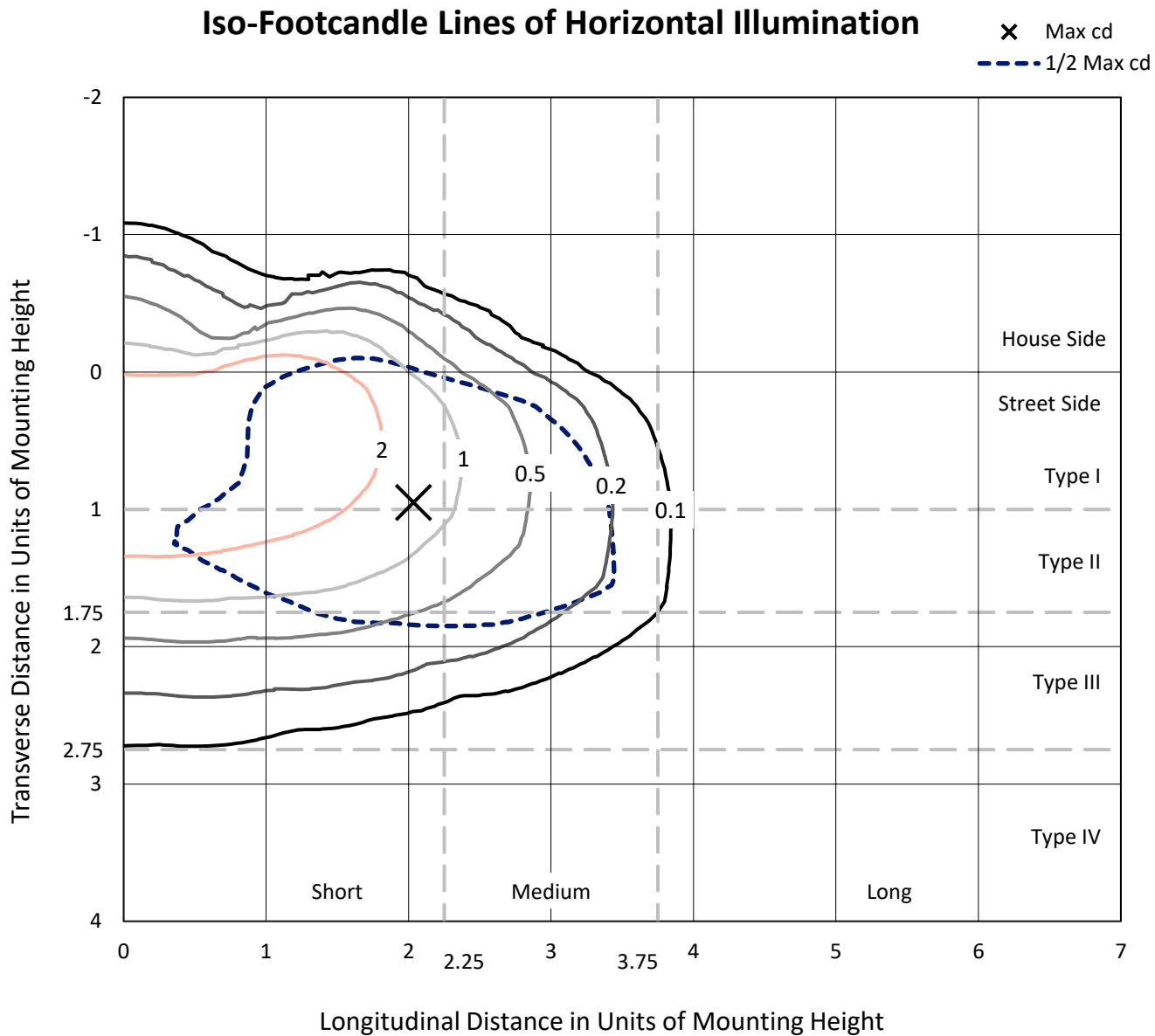
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14850 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 189.4
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



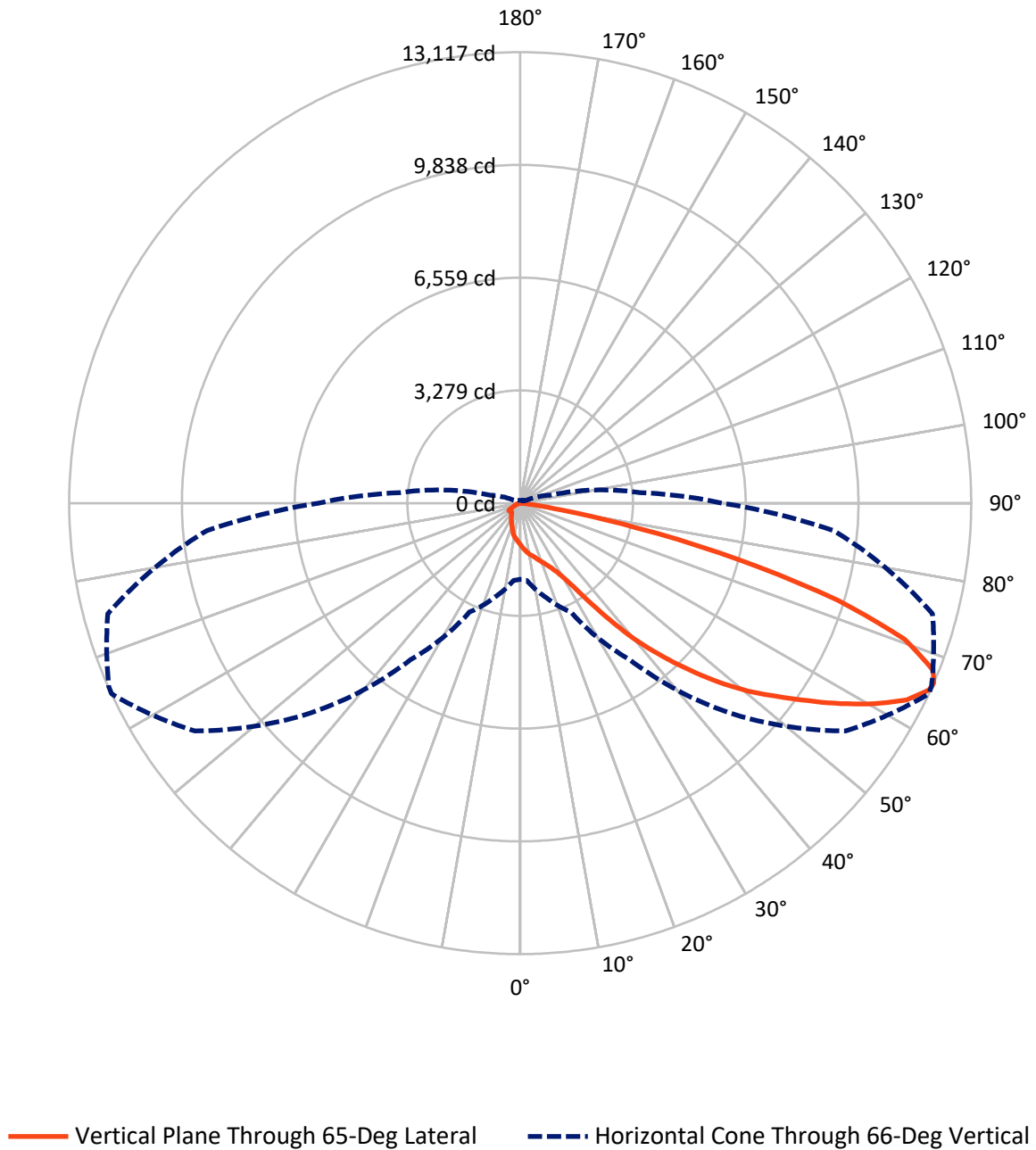
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Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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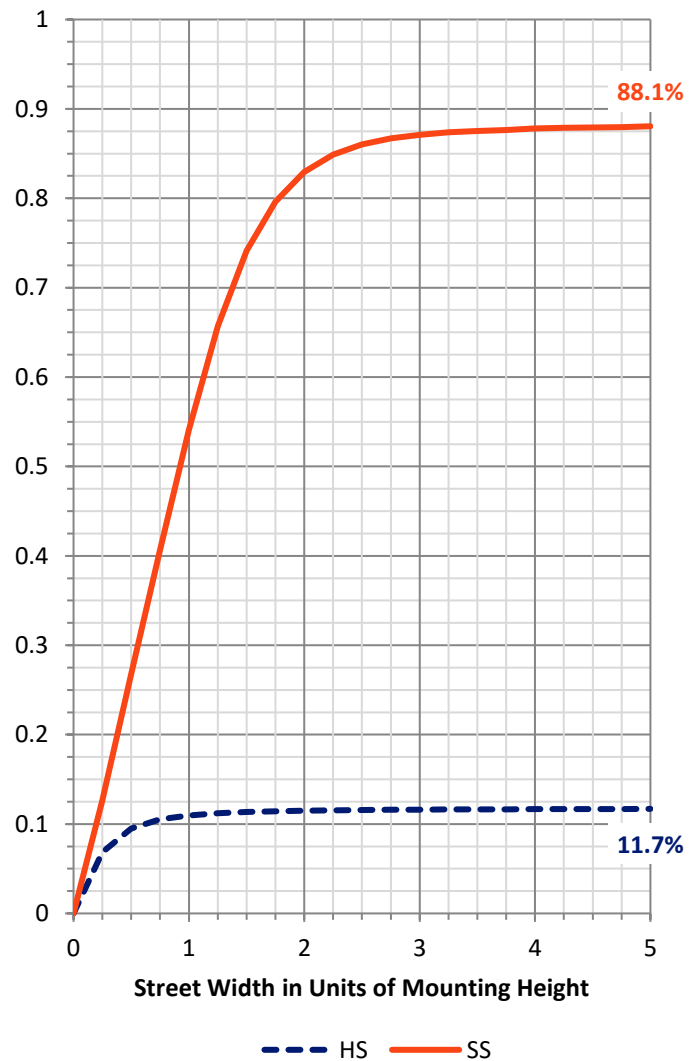
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1752.6	0.0	1752.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	13097.4	0.0	13097.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	14850.0	0.0	14850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	0.8
10°-20°	339.5	2.3
20°-30°	621.5	4.2
30°-40°	1262.8	8.5
40°-50°	2666.7	18.0
50°-60°	4099.5	27.6
60°-70°	4126.5	27.8
70°-80°	1541.9	10.4
80°-90°	77.0	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°	14850.0	100.0
0°-180°	14850.0	100.0

Coefficient of Utilization



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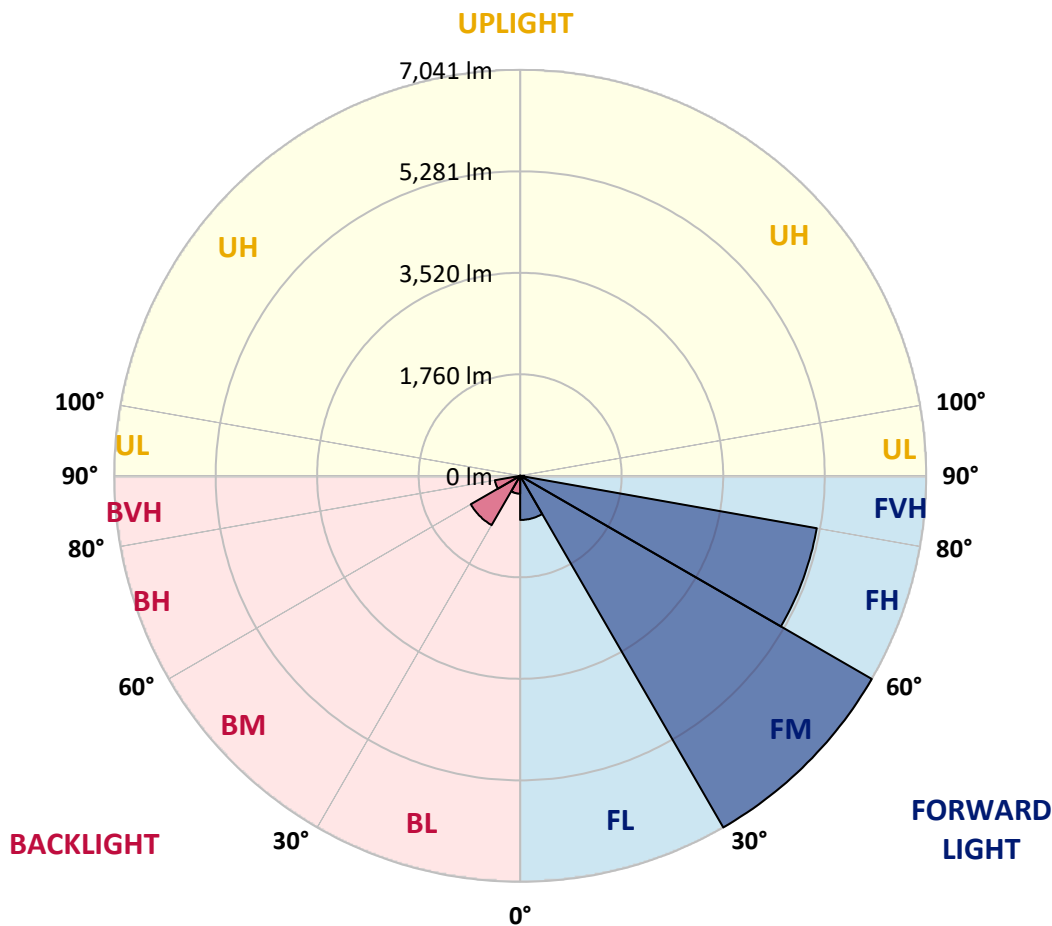
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	765.5	5.2			
FM	(30°-60°)	7040.8	47.4			
FH	(60°-80°)	5223.1	35.2			G3/7500
FVH	(80°-90°)	68.0	0.5			G1/100
BL	(0°-30°)	310.2	2.1	B1/500		
BM	(30°-60°)	988.1	6.7	B1/1000		
BH	(60°-80°)	445.2	3.0	B1/500		G1/500
BVH	(80°-90°)	9.1	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9
2.5°	1379.6	1382.3	1376.9	1366.1	1355.4	1341.9	1320.3	1285.3	1279.9	1255.7	1228.7
5°	1473.9	1479.3	1471.2	1468.5	1463.1	1444.3	1414.6	1363.4	1358.1	1309.6	1247.6
7.5°	1506.3	1514.3	1509.0	1509.0	1509.0	1500.9	1487.4	1441.6	1433.5	1371.5	1277.2
10°	1530.5	1535.9	1533.2	1544.0	1552.1	1546.7	1538.6	1511.6	1503.6	1441.6	1317.6
12.5°	1568.2	1570.9	1573.6	1579.0	1592.5	1597.9	1595.2	1570.9	1565.5	1522.4	1368.8
15°	1603.3	1603.3	1606.0	1630.2	1649.1	1659.8	1662.5	1643.7	1638.3	1603.3	1433.5
17.5°	1635.6	1638.3	1646.4	1673.3	1705.7	1727.2	1740.7	1732.6	1724.5	1697.6	1509.0
20°	1684.1	1689.5	1697.6	1735.3	1767.6	1802.7	1829.6	1826.9	1824.2	1805.4	1597.9
22.5°	1767.6	1773.0	1786.5	1821.5	1853.9	1897.0	1942.8	1940.1	1932.0	1918.5	1703.0
25°	1894.3	1894.3	1902.4	1932.0	1972.4	2023.6	2066.7	2074.8	2066.7	2058.6	1835.0
27.5°	2053.3	2055.9	2055.9	2088.3	2126.0	2190.7	2244.6	2252.7	2252.7	2244.6	2012.8
30°	2274.2	2266.1	2260.7	2287.7	2328.1	2422.4	2516.7	2532.9	2524.8	2538.3	2263.4
32.5°	2654.1	2640.7	2594.9	2600.2	2624.5	2753.8	2912.8	2969.4	2966.7	2991.0	2667.6
35°	3179.6	3152.6	3085.3	3028.7	3026.0	3166.1	3408.6	3621.5	3618.8	3702.3	3282.0
37.5°	3772.4	3807.4	3680.8	3583.8	3554.1	3664.6	3977.2	4437.9	4462.2	4607.7	4087.6
40°	4564.6	4586.1	4424.5	4287.0	4146.9	4187.3	4599.6	5316.4	5359.5	5521.2	4893.3
42.5°	5254.4	5275.9	5181.6	5014.6	4836.7	4761.3	5227.4	6114.0	6149.0	6372.6	5723.2
45°	5723.2	5739.4	5771.7	5787.9	5585.8	5429.5	5995.4	6933.1	6976.2	7234.9	6534.3
47.5°	6089.7	6103.2	6167.8	6329.5	6289.1	6165.2	6776.8	7784.6	7795.4	8083.7	7323.8
50°	6259.5	6291.8	6450.8	6698.7	6876.5	6911.5	7625.6	8590.3	8619.9	8894.7	8070.2
52.5°	6070.8	6081.6	6483.1	6949.3	7307.6	7663.3	8477.1	9336.6	9422.9	9627.7	8741.2
55°	5434.9	5513.1	6122.0	6941.2	7647.2	8377.4	9387.8	10142.3	10220.5	10349.8	9331.3
57.5°	4696.6	4782.8	5523.8	6593.6	7792.7	9037.6	10231.2	10999.2	11053.1	11088.1	9872.9
60°	4058.0	4138.8	4901.4	5928.0	7647.2	9503.7	11015.4	11850.7	11896.5	11802.2	10145.0
62.5°	3273.9	3354.7	4122.7	5046.9	7075.9	9598.0	11597.4	12607.8	12626.7	12370.7	9978.0
65°	2468.2	2522.1	3163.4	3955.6	6076.2	9096.8	11729.4	13079.4	13060.5	12535.1	9476.8
66°	2212.2	2258.0	2823.9	3497.5	5556.2	8638.8	11551.6	13117.1	13098.3	12413.8	9148.0
67.5°	1907.7	1921.2	2387.4	2861.6	4648.1	7666.0	11010.0	12944.7	12960.8	12079.7	8547.1
70°	1490.1	1487.4	1756.9	1991.3	3174.2	5453.8	9183.1	11858.8	11936.9	10818.7	7288.8
72.5°	953.9	921.5	1077.8	1217.9	1848.5	3166.1	6696.0	9665.4	9797.4	8498.6	5429.5
75°	568.6	536.2	573.9	609.0	886.5	1522.4	3936.8	6577.4	6704.1	5448.4	3230.8
77.5°	425.7	412.3	415.0	385.3	393.4	571.2	1797.3	3476.0	3567.6	2231.1	1226.0
80°	326.0	291.0	272.2	285.6	258.7	226.3	668.3	1196.4	1253.0	528.1	256.0
82.5°	218.3	188.6	175.1	191.3	164.4	126.6	161.7	231.7	226.3	142.8	99.7
85°	113.2	97.0	97.0	97.0	83.5	62.0	70.1	94.3	94.3	75.4	59.3
87.5°	32.3	29.6	35.0	32.3	24.3	24.3	26.9	32.3	32.3	29.6	26.9
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°	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9
2.5°	1207.2	1196.4	1166.7	1145.2	1123.6	1104.8	1083.2	1077.8	1067.0	1069.7	1064.4
5°	1215.2	1185.6	1134.4	1085.9	1048.2	1015.8	975.4	959.3	937.7	929.6	924.2
7.5°	1226.0	1182.9	1107.5	1040.1	975.4	910.8	846.1	808.4	784.1	773.3	765.3
10°	1250.3	1193.7	1094.0	988.9	878.4	786.8	722.1	695.2	679.0	676.3	673.6
12.5°	1282.6	1209.9	1080.5	924.2	778.7	692.5	652.1	644.0	641.3	641.3	638.6
15°	1331.1	1236.8	1059.0	848.8	700.6	641.3	622.4	609.0	603.6	603.6	603.6
17.5°	1379.6	1269.1	1026.6	770.6	646.7	609.0	590.1	582.0	576.6	579.3	576.6
20°	1441.6	1306.9	983.5	703.3	611.7	582.0	563.2	555.1	552.4	552.4	552.4
22.5°	1511.6	1350.0	929.6	652.1	582.0	555.1	536.2	528.1	522.7	525.4	525.4
25°	1606.0	1403.9	873.0	600.9	552.4	528.1	506.6	495.8	495.8	498.5	501.2
27.5°	1727.2	1468.5	816.5	568.6	525.4	501.2	476.9	466.2	468.9	474.2	474.2
30°	1905.1	1557.5	759.9	533.5	495.8	468.9	447.3	436.5	441.9	452.7	452.7
32.5°	2158.3	1703.0	711.4	493.1	452.7	423.0	401.5	393.4	406.9	428.4	428.4
35°	2611.0	1969.7	681.7	452.7	406.9	371.8	344.9	336.8	355.7	382.6	382.6
37.5°	3217.3	2398.2	692.5	417.7	369.2	328.7	299.1	288.3	301.8	326.0	334.1
40°	3893.6	2915.5	786.8	388.0	334.1	293.7	264.1	253.3	261.4	272.2	274.8
42.5°	4570.0	3465.2	964.7	366.5	307.2	264.1	237.1	229.0	234.4	237.1	239.8
45°	5243.6	4009.5	1188.3	353.0	282.9	239.8	212.9	212.9	215.6	215.6	215.6
47.5°	5882.2	4540.3	1422.7	350.3	261.4	215.6	194.0	196.7	196.7	199.4	199.4
50°	6485.8	5014.6	1659.8	358.4	242.5	194.0	177.8	177.8	177.8	180.5	177.8
52.5°	6989.7	5429.5	1907.7	371.8	223.6	177.8	161.7	161.7	161.7	164.4	161.7
55°	7466.6	5806.8	2161.0	390.7	207.5	164.4	148.2	142.8	142.8	145.5	142.8
57.5°	7854.6	6057.4	2400.9	393.4	194.0	150.9	137.4	129.3	129.3	129.3	129.3
60°	7870.8	5911.9	2470.9	344.9	177.8	137.4	123.9	113.2	115.9	115.9	115.9
62.5°	7356.1	5146.6	1985.9	258.7	159.0	123.9	113.2	102.4	102.4	102.4	102.4
65°	6345.7	4004.1	1164.0	204.8	137.4	110.5	99.7	91.6	91.6	91.6	88.9
66°	5871.4	3511.0	891.9	185.9	129.3	107.8	97.0	88.9	86.2	83.5	83.5
67.5°	5098.1	2775.4	557.8	164.4	118.6	99.7	88.9	80.8	78.1	75.4	75.4
70°	3839.7	1762.2	272.2	126.6	102.4	86.2	78.1	70.1	67.4	64.7	62.0
72.5°	2694.6	1032.0	142.8	97.0	83.5	75.4	67.4	59.3	56.6	53.9	53.9
75°	1522.4	498.5	94.3	70.1	67.4	62.0	56.6	48.5	45.8	45.8	45.8
77.5°	576.6	172.5	64.7	51.2	53.9	48.5	40.4	40.4	37.7	40.4	37.7
80°	150.9	75.4	40.4	37.7	40.4	35.0	29.6	32.3	32.3	32.3	32.3
82.5°	80.8	43.1	24.3	26.9	24.3	24.3	18.9	21.6	24.3	21.6	24.3
85°	56.6	21.6	13.5	13.5	10.8	10.8	8.1	10.8	13.5	10.8	10.8
87.5°	29.6	8.1	8.1	8.1	8.1	5.4	2.7	0.0	2.7	2.7	2.7
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)