

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: P1210966

Luminaire Tested: **ARCH4-130-722-U-T3RE-HSS**

Issue Date: 11/5/2025

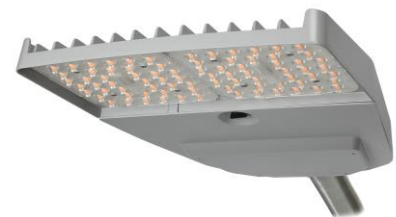
Test Information

Test Method: LM-79-08
Report Number: P1210966
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: ARCH4-130-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1080mA 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: 13249 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 132
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

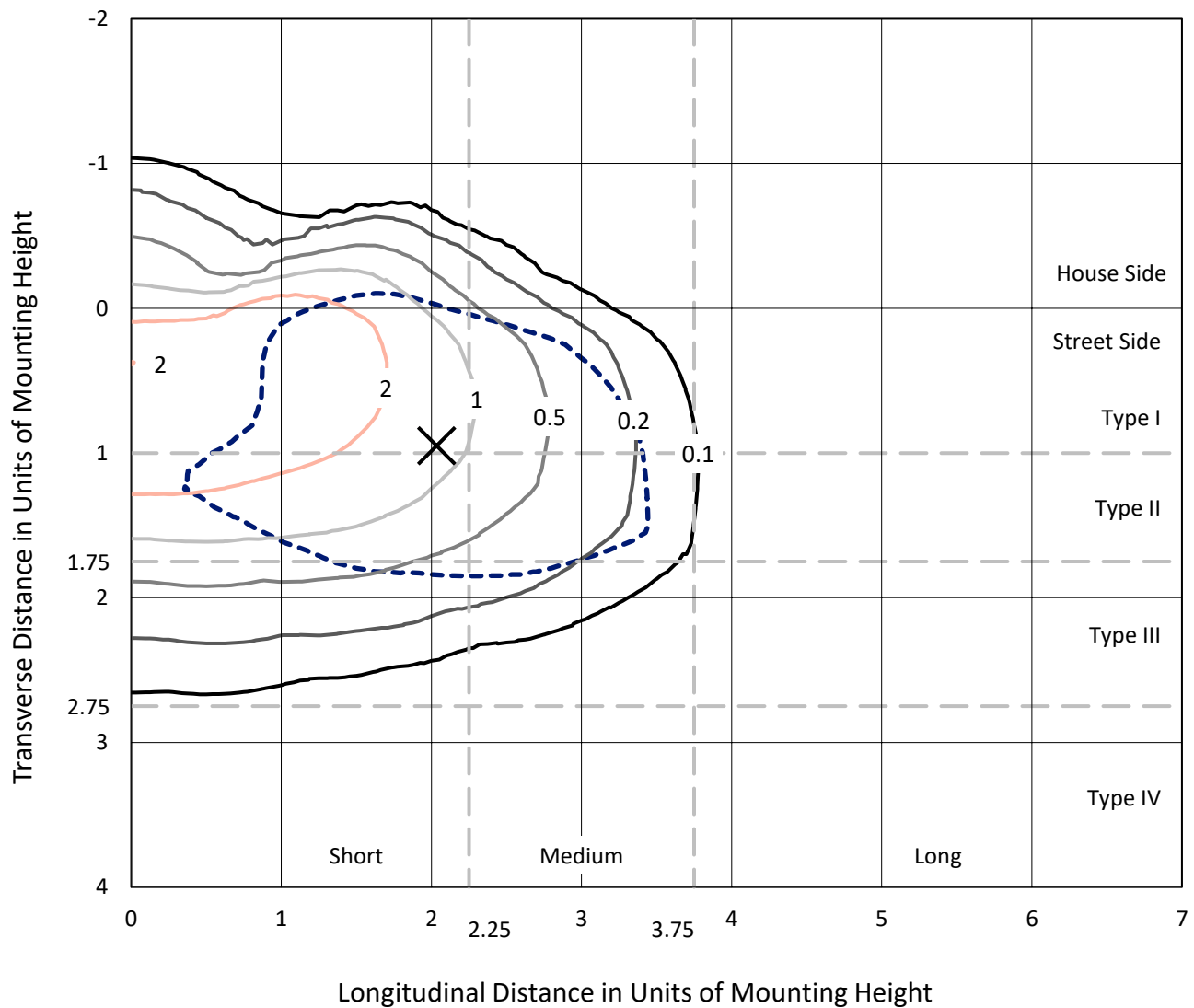


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Iso-Footcandle Lines of Horizontal Illumination

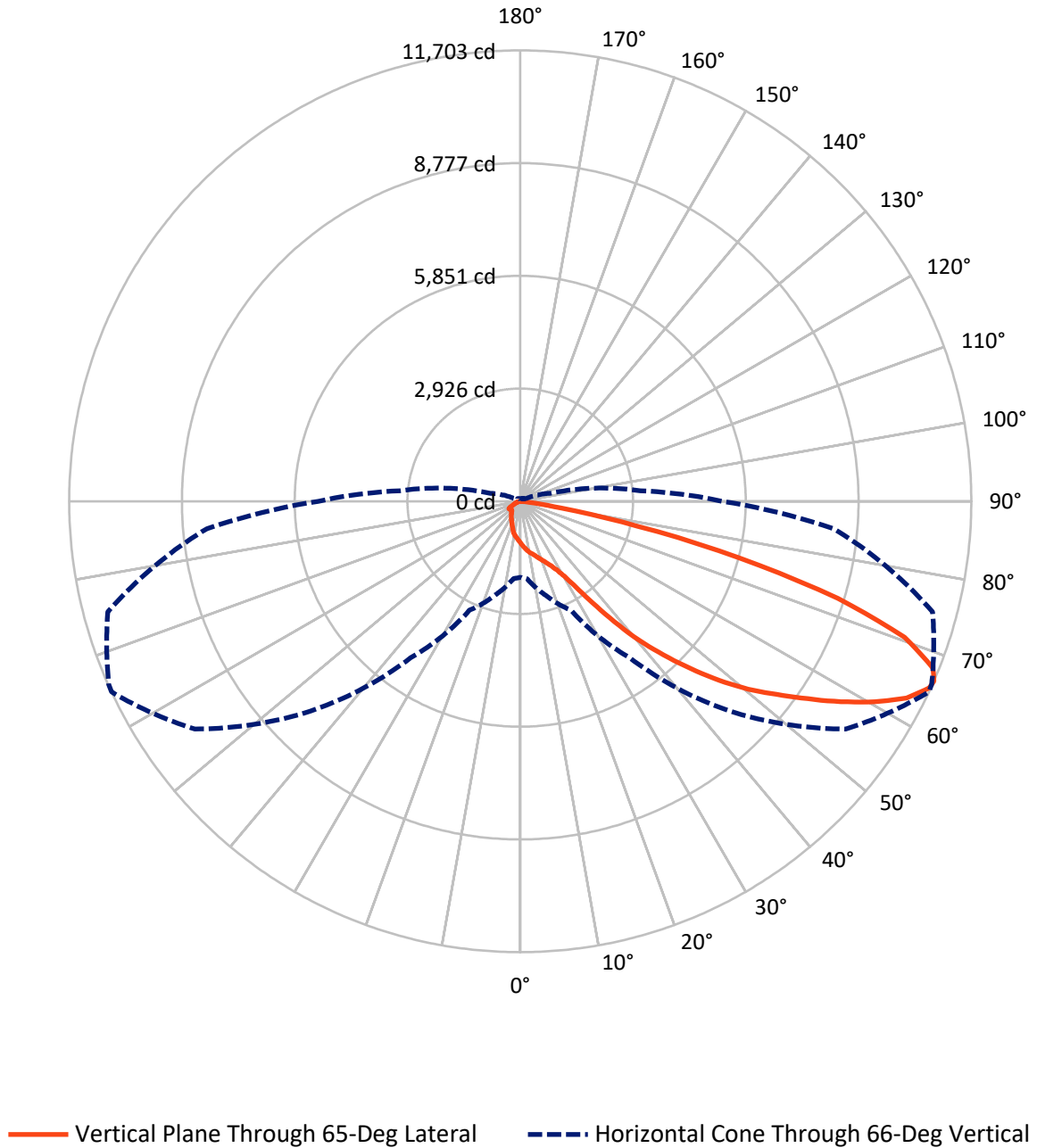
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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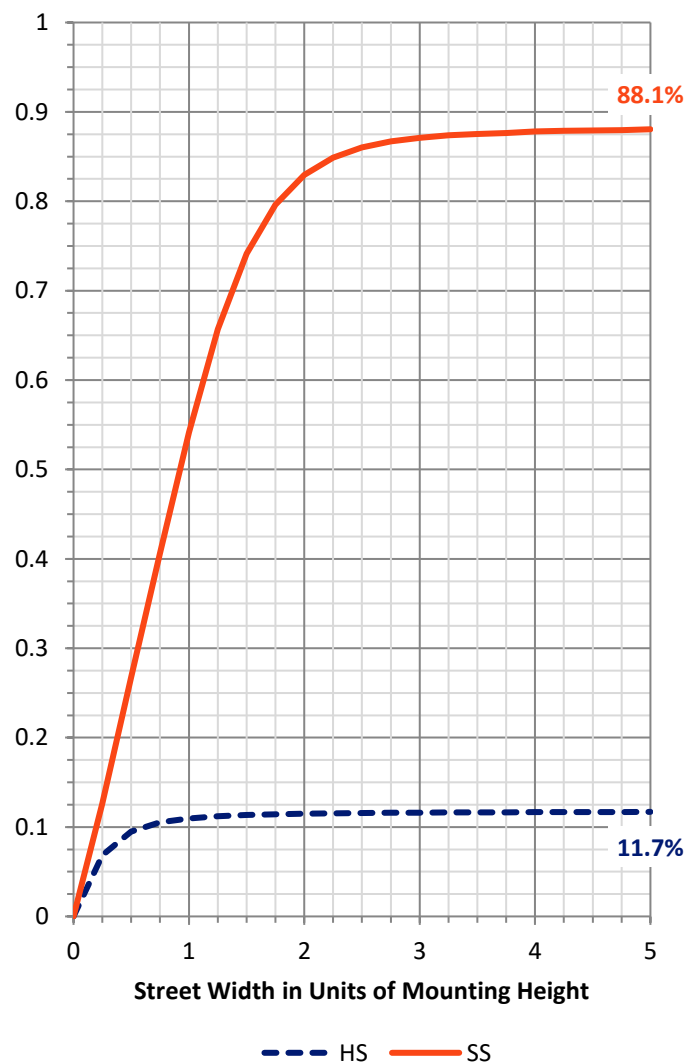
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1563.7	0.0	1563.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	11685.3	0.0	11685.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	13249.0	0.0	13249.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	0.8
10°-20°	302.9	2.3
20°-30°	554.5	4.2
30°-40°	1126.6	8.5
40°-50°	2379.2	18.0
50°-60°	3657.5	27.6
60°-70°	3681.6	27.8
70°-80°	1375.6	10.4
80°-90°	68.7	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°	13249.0	100.0
0°-180°	13249.0	100.0

Coefficient of Utilization



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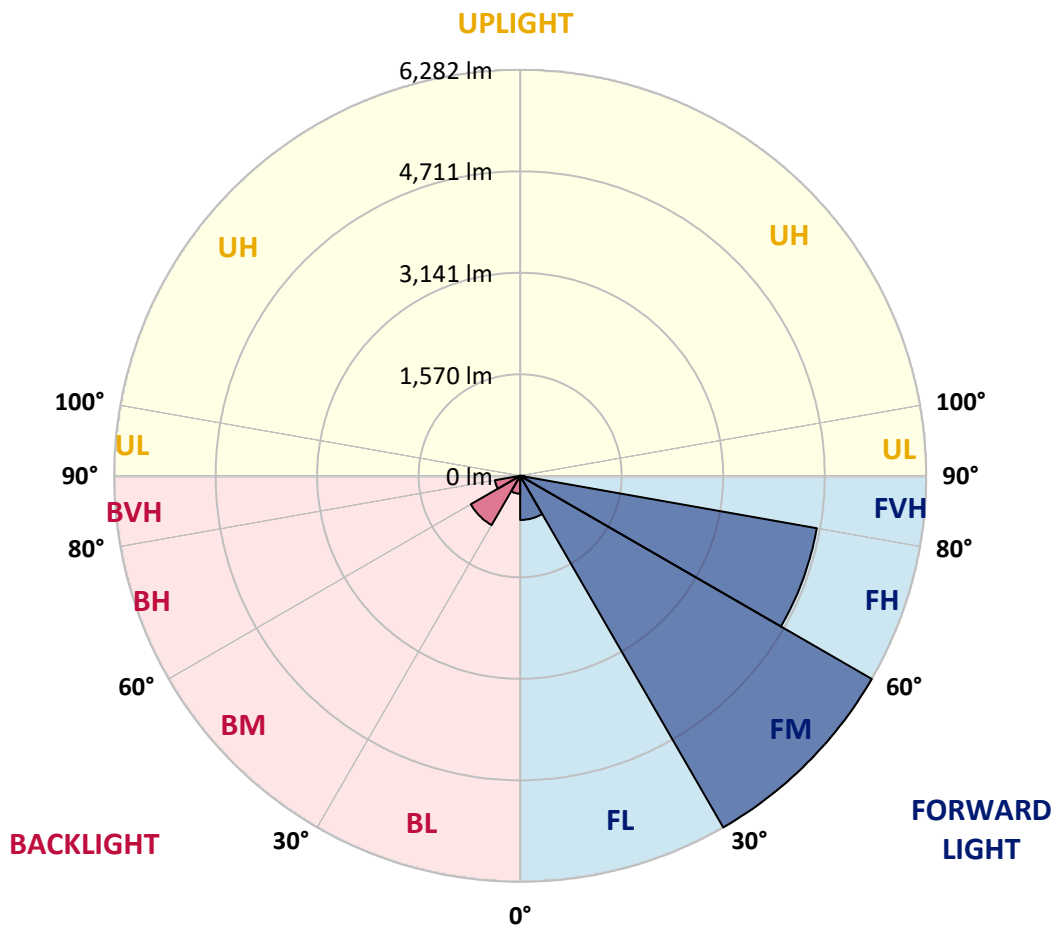
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	683.0	5.2			
FM	(30°-60°)	6281.7	47.4			
FH	(60°-80°)	4660.0	35.2			G2/5000
FVH	(80°-90°)	60.6	0.5			G1/100
BL	(0°-30°)	276.8	2.1	B1/500		
BM	(30°-60°)	881.6	6.7	B1/1000		
BH	(60°-80°)	397.2	3.0	B1/500		G1/500
BVH	(80°-90°)	8.1	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4
2.5°	1230.9	1233.3	1228.5	1218.9	1209.2	1197.2	1178.0	1146.7	1141.9	1120.3	1096.2
5°	1315.0	1319.8	1312.6	1310.2	1305.4	1288.6	1262.1	1216.5	1211.6	1168.4	1113.1
7.5°	1343.9	1351.1	1346.3	1346.3	1346.3	1339.1	1327.0	1286.2	1279.0	1223.7	1139.5
10°	1365.5	1370.3	1367.9	1377.5	1384.7	1379.9	1372.7	1348.7	1341.5	1286.2	1175.6
12.5°	1399.2	1401.6	1404.0	1408.8	1420.8	1425.6	1423.2	1401.6	1396.8	1358.3	1221.3
15°	1430.4	1430.4	1432.8	1454.5	1471.3	1480.9	1483.3	1466.5	1461.7	1430.4	1279.0
17.5°	1459.3	1461.7	1468.9	1492.9	1521.8	1541.0	1553.0	1545.8	1538.6	1514.6	1346.3
20°	1502.5	1507.3	1514.6	1548.2	1577.1	1608.3	1632.4	1629.9	1627.5	1610.7	1425.6
22.5°	1577.1	1581.9	1593.9	1625.1	1654.0	1692.5	1733.3	1730.9	1723.7	1711.7	1519.4
25°	1690.1	1690.1	1697.3	1723.7	1759.8	1805.4	1843.9	1851.1	1843.9	1836.7	1637.2
27.5°	1831.9	1834.3	1834.3	1863.1	1896.8	1954.5	2002.6	2009.8	2009.8	2002.6	1795.8
30°	2029.0	2021.8	2017.0	2041.0	2077.1	2161.2	2245.4	2259.8	2252.6	2264.6	2019.4
32.5°	2368.0	2356.0	2315.1	2319.9	2341.5	2456.9	2598.8	2649.3	2646.9	2668.5	2380.0
35°	2836.8	2812.7	2752.6	2702.2	2699.8	2824.8	3041.1	3231.1	3228.6	3303.2	2928.1
37.5°	3365.7	3396.9	3283.9	3197.4	3170.9	3269.5	3548.4	3959.5	3981.1	4110.9	3647.0
40°	4072.5	4091.7	3947.5	3824.9	3699.8	3735.9	4103.7	4743.2	4781.7	4925.9	4365.8
42.5°	4687.9	4707.1	4623.0	4473.9	4315.3	4248.0	4663.9	5454.8	5486.1	5685.6	5106.2
45°	5106.2	5120.6	5149.5	5163.9	4983.6	4844.2	5349.0	6185.6	6224.1	6454.9	5829.8
47.5°	5433.2	5445.2	5502.9	5647.1	5611.1	5500.5	6046.2	6945.3	6954.9	7212.2	6534.2
50°	5584.6	5613.5	5755.3	5976.5	6135.1	6166.4	6803.5	7664.1	7690.6	7935.8	7200.1
52.5°	5416.3	5426.0	5784.2	6200.1	6519.8	6837.1	7563.2	8330.1	8407.0	8589.7	7798.8
55°	4849.0	4918.7	5462.0	6192.8	6822.7	7474.2	8375.7	9048.9	9118.6	9234.0	8325.2
57.5°	4190.3	4267.2	4928.3	5882.7	6952.5	8063.2	9128.2	9813.4	9861.4	9892.7	8808.5
60°	3620.5	3692.6	4373.0	5288.9	6822.7	8479.1	9827.8	10573.0	10613.9	10529.8	9051.3
62.5°	2920.9	2993.0	3678.2	4502.8	6313.0	8563.2	10347.1	11248.6	11265.4	11037.0	8902.2
65°	2202.1	2250.2	2822.4	3529.2	5421.1	8116.1	10464.9	11669.3	11652.5	11183.7	8455.1
66°	1973.7	2014.6	2519.4	3120.5	4957.2	7707.4	10306.2	11702.9	11686.1	11075.5	8161.8
67.5°	1702.1	1714.1	2130.0	2553.1	4147.0	6839.5	9823.0	11549.1	11563.5	10777.4	7625.7
70°	1329.4	1327.0	1567.4	1776.6	2832.0	4865.8	8193.0	10580.2	10650.0	9652.3	6503.0
72.5°	851.0	822.2	961.6	1086.6	1649.2	2824.8	5974.1	8623.3	8741.1	7582.4	4844.2
75°	507.3	478.4	512.1	543.3	790.9	1358.3	3512.3	5868.3	5981.3	4861.0	2882.5
77.5°	379.8	367.8	370.2	343.8	351.0	509.7	1603.5	3101.2	3183.0	1990.6	1093.8
80°	290.9	259.6	242.8	254.8	230.8	201.9	596.2	1067.4	1117.9	471.2	228.4
82.5°	194.7	168.3	156.3	170.7	146.6	113.0	144.2	206.7	201.9	127.4	89.0
85°	101.0	86.5	86.5	86.5	74.5	55.3	62.5	84.1	84.1	67.3	52.9
87.5°	28.8	26.4	31.3	28.8	21.6	21.6	24.0	28.8	28.8	26.4	24.0
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°	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4
2.5°	1077.0	1067.4	1041.0	1021.7	1002.5	985.7	966.4	961.6	952.0	954.4	949.6
5°	1084.2	1057.8	1012.1	968.8	935.2	906.3	870.3	855.8	836.6	829.4	824.6
7.5°	1093.8	1055.4	988.1	928.0	870.3	812.6	754.9	721.2	699.6	690.0	682.8
10°	1115.5	1065.0	976.0	882.3	783.7	702.0	644.3	620.2	605.8	603.4	601.0
12.5°	1144.3	1079.4	964.0	824.6	694.8	617.8	581.8	574.6	572.2	572.2	569.8
15°	1187.6	1103.5	944.8	757.3	625.1	572.2	555.3	543.3	538.5	538.5	538.5
17.5°	1230.9	1132.3	915.9	687.6	577.0	543.3	526.5	519.3	514.5	516.9	514.5
20°	1286.2	1166.0	877.5	627.5	545.7	519.3	502.4	495.2	492.8	492.8	492.8
22.5°	1348.7	1204.4	829.4	581.8	519.3	495.2	478.4	471.2	466.4	468.8	468.8
25°	1432.8	1252.5	778.9	536.1	492.8	471.2	452.0	442.3	442.3	444.8	447.2
27.5°	1541.0	1310.2	728.4	507.3	468.8	447.2	425.5	415.9	418.3	423.1	423.1
30°	1699.7	1389.5	677.9	476.0	442.3	418.3	399.1	389.5	394.3	403.9	403.9
32.5°	1925.6	1519.4	634.7	439.9	403.9	377.4	358.2	351.0	363.0	382.2	382.2
35°	2329.5	1757.4	608.2	403.9	363.0	331.8	307.7	300.5	317.3	341.4	341.4
37.5°	2870.4	2139.6	617.8	372.6	329.4	293.3	266.9	257.2	269.3	290.9	298.1
40°	3473.9	2601.2	702.0	346.2	298.1	262.0	235.6	226.0	233.2	242.8	245.2
42.5°	4077.3	3091.6	860.7	327.0	274.1	235.6	211.6	204.3	209.2	211.6	214.0
45°	4678.3	3577.2	1060.2	314.9	252.4	214.0	189.9	189.9	192.3	192.3	192.3
47.5°	5248.1	4050.8	1269.3	312.5	233.2	192.3	173.1	175.5	175.5	177.9	177.9
50°	5786.6	4473.9	1480.9	319.7	216.4	173.1	158.7	158.7	158.7	161.1	158.7
52.5°	6236.1	4844.2	1702.1	331.8	199.5	158.7	144.2	144.2	144.2	146.6	144.2
55°	6661.6	5180.7	1928.1	348.6	185.1	146.6	132.2	127.4	127.4	129.8	127.4
57.5°	7007.8	5404.3	2142.0	351.0	173.1	134.6	122.6	115.4	115.4	115.4	115.4
60°	7022.2	5274.5	2204.5	307.7	158.7	122.6	110.6	101.0	103.4	103.4	103.4
62.5°	6563.1	4591.7	1771.8	230.8	141.8	110.6	101.0	91.4	91.4	91.4	91.4
65°	5661.5	3572.4	1038.6	182.7	122.6	98.6	89.0	81.7	81.7	81.7	79.3
66°	5238.4	3132.5	795.7	165.9	115.4	96.2	86.5	79.3	76.9	74.5	74.5
67.5°	4548.5	2476.2	497.6	146.6	105.8	89.0	79.3	72.1	69.7	67.3	67.3
70°	3425.8	1572.3	242.8	113.0	91.4	76.9	69.7	62.5	60.1	57.7	55.3
72.5°	2404.1	920.8	127.4	86.5	74.5	67.3	60.1	52.9	50.5	48.1	48.1
75°	1358.3	444.8	84.1	62.5	60.1	55.3	50.5	43.3	40.9	40.9	40.9
77.5°	514.5	153.9	57.7	45.7	48.1	43.3	36.1	36.1	33.7	36.1	33.7
80°	134.6	67.3	36.1	33.7	36.1	31.3	26.4	28.8	28.8	28.8	28.8
82.5°	72.1	38.5	21.6	24.0	21.6	21.6	16.8	19.2	21.6	19.2	21.6
85°	50.5	19.2	12.0	12.0	9.6	9.6	7.2	9.6	12.0	9.6	9.6
87.5°	26.4	7.2	7.2	7.2	7.2	4.8	2.4	0.0	2.4	2.4	2.4
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)