

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: P1210239

Luminaire Tested: **ARCH2-60-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-60-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

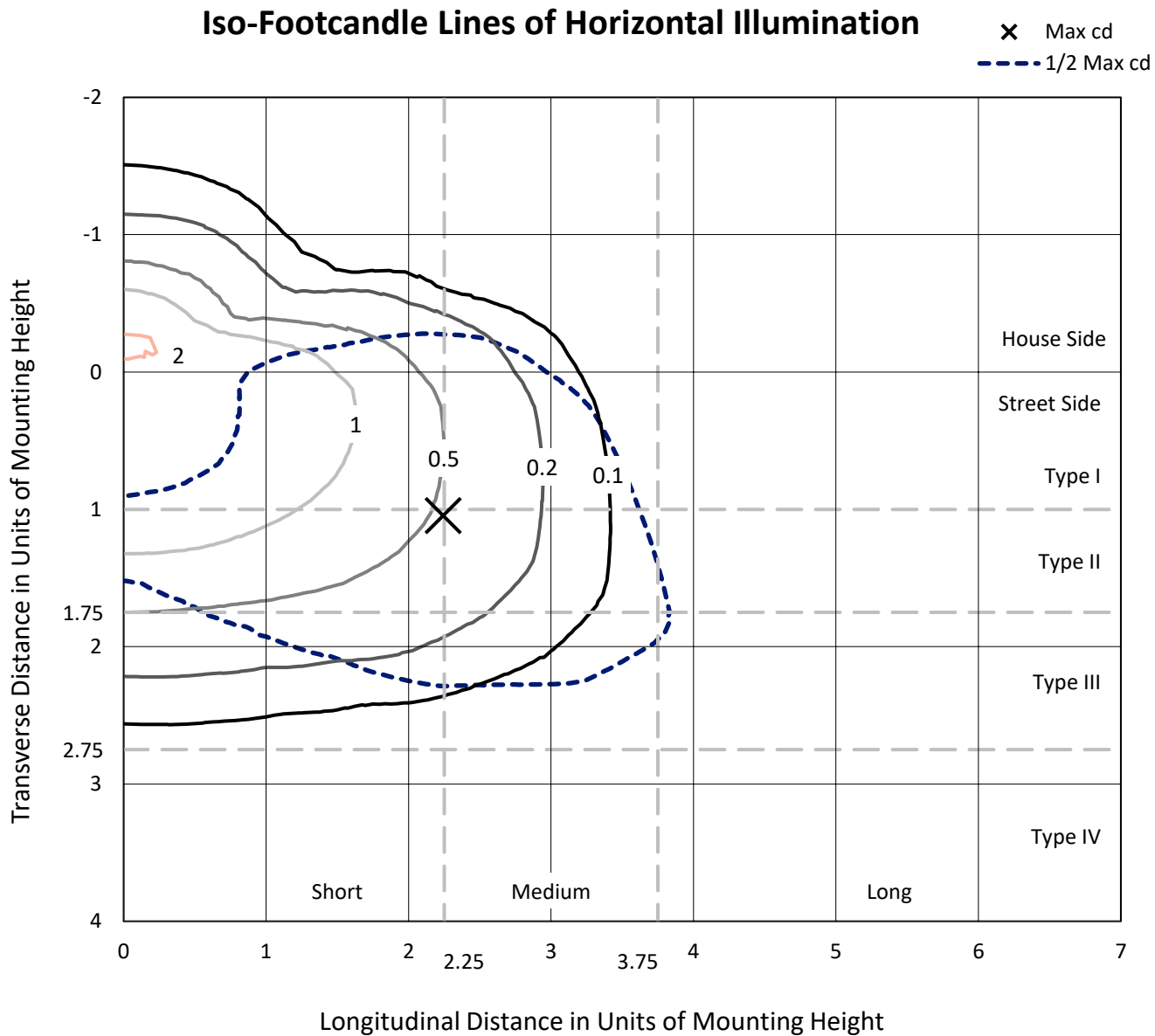
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8997 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.8
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



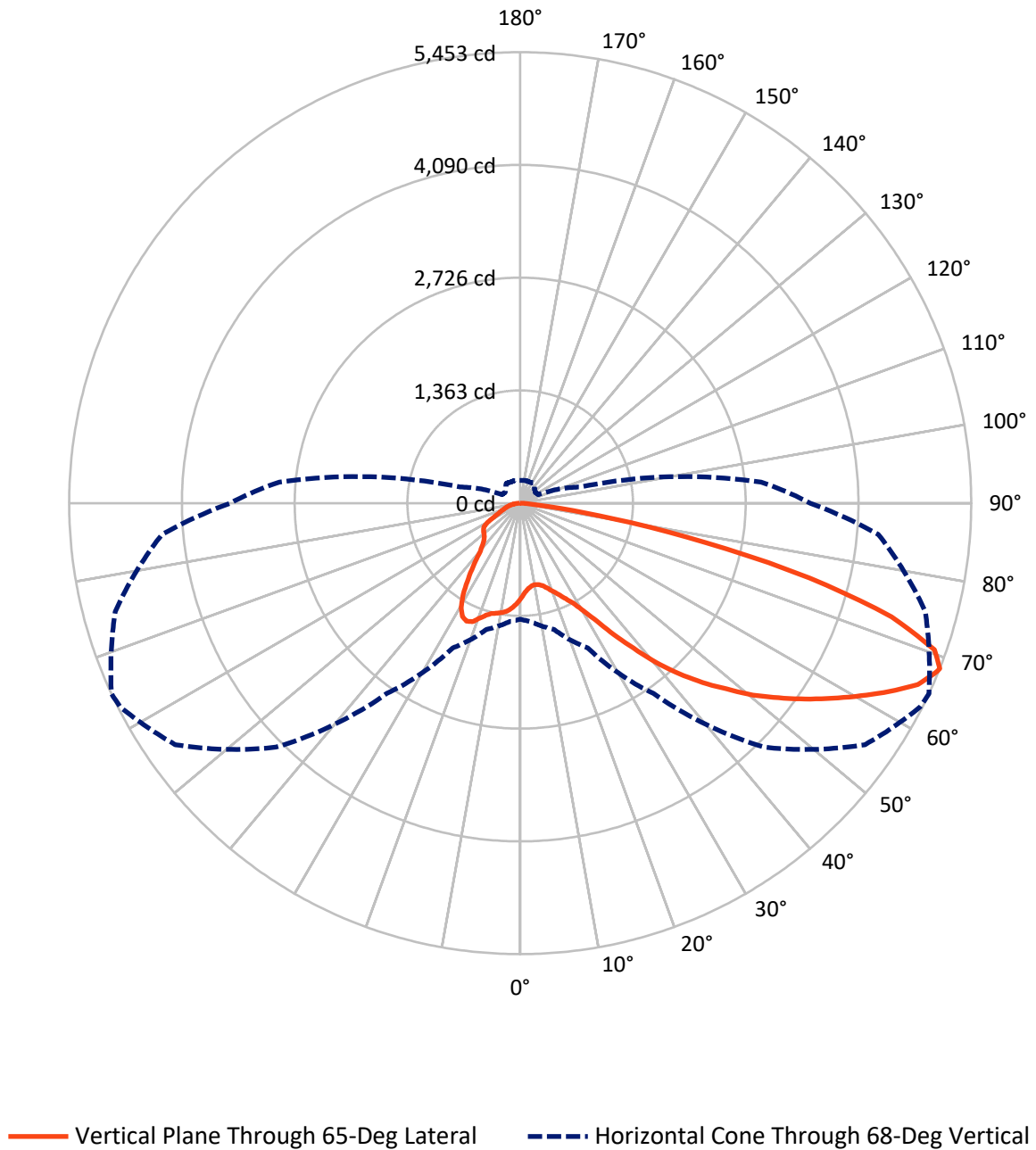
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Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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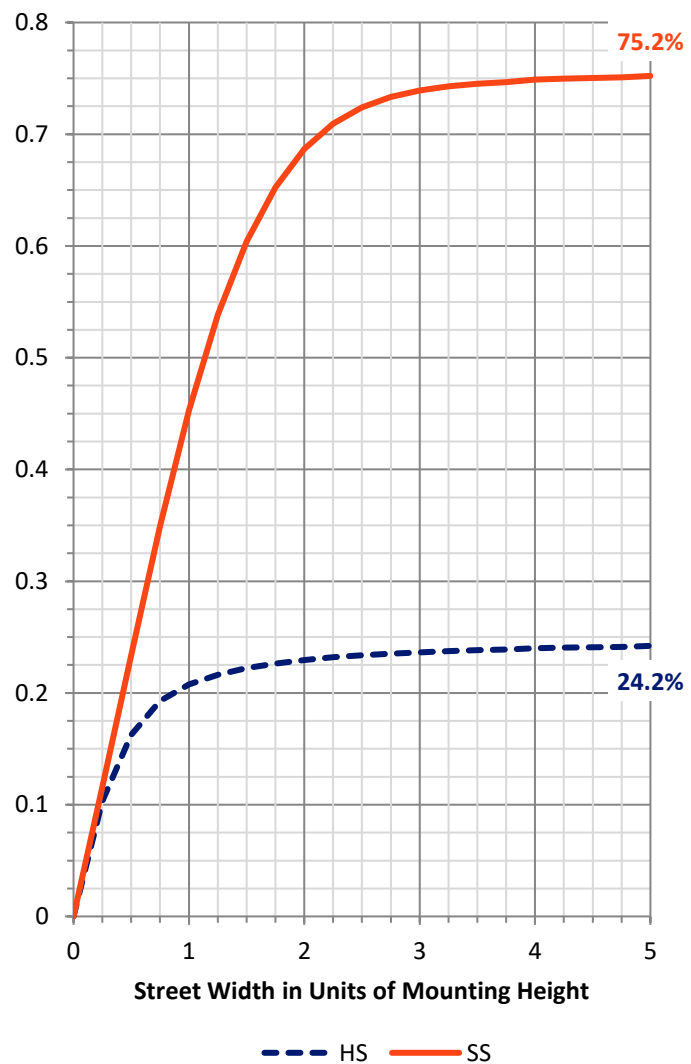
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2205.8	0.0	2205.8
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	6791.2	0.0	6791.2
	% Fixture	75.5	0.0	75.5
Total	Lumens	8997.0	0.0	8997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.2
10°-20°	357.8	4.0
20°-30°	647.5	7.2
30°-40°	1018.6	11.3
40°-50°	1517.1	16.9
50°-60°	1990.1	22.1
60°-70°	2176.3	24.2
70°-80°	1076.9	12.0
80°-90°	102.7	1.1
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°	8997.0	100.0
0°-180°	8997.0	100.0

Coefficient of Utilization



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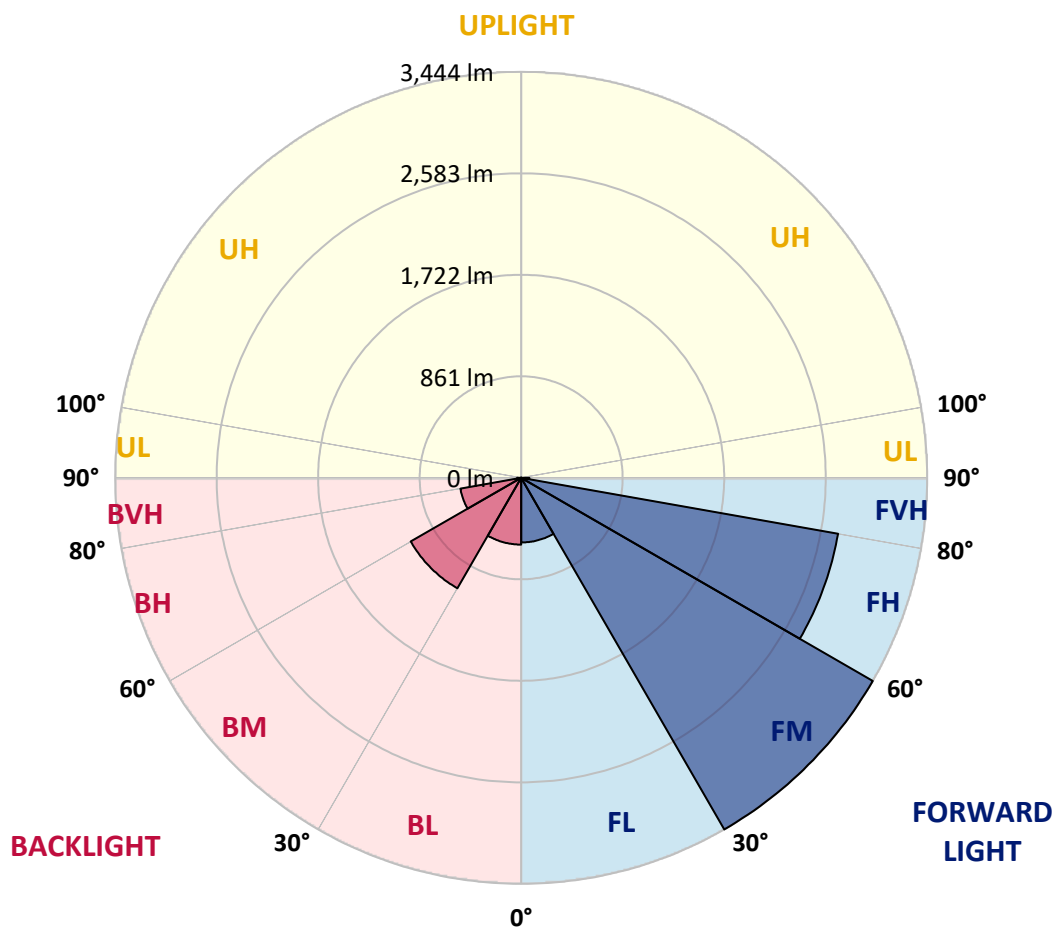
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	548.5	6.1			
FM	(30°-60°)	3443.9	38.3			
FH	(60°-80°)	2729.7	30.3			G2/5000
FVH	(80°-90°)	69.1	0.8			G1/100
BL	(0°-30°)	566.7	6.3	B2/1000		
BM	(30°-60°)	1081.9	12.0	B2/2500		
BH	(60°-80°)	523.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	33.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7
2.5°	1003.5	1001.2	1007.0	1012.8	1025.6	1040.7	1061.5	1078.9	1081.3	1113.7	1139.3
5°	944.4	940.9	946.7	953.6	959.4	978.0	1000.0	1025.6	1036.0	1083.6	1138.1
7.5°	950.2	949.0	951.3	949.0	949.0	957.1	972.2	997.7	1009.3	1066.2	1143.9
10°	983.8	986.1	987.3	980.3	973.4	969.9	974.5	991.9	1000.0	1067.3	1169.4
12.5°	1039.5	1043.0	1044.1	1031.4	1022.1	1007.0	998.9	1005.8	1011.6	1078.9	1205.4
15°	1114.9	1117.2	1109.1	1101.0	1077.8	1059.2	1039.5	1033.7	1036.0	1103.3	1246.0
17.5°	1203.1	1199.6	1199.6	1179.9	1149.7	1120.7	1088.2	1083.6	1083.6	1142.7	1304.0
20°	1299.4	1302.8	1292.4	1265.7	1235.6	1190.3	1157.8	1136.9	1139.3	1188.0	1374.8
22.5°	1438.6	1444.4	1416.5	1378.3	1331.9	1279.6	1233.2	1199.6	1200.8	1247.2	1447.9
25°	1588.2	1590.6	1573.2	1522.1	1459.5	1385.2	1323.7	1280.8	1279.6	1313.3	1541.8
27.5°	1741.4	1751.8	1717.0	1668.3	1610.3	1517.5	1436.3	1378.3	1369.0	1414.2	1659.0
30°	1899.2	1911.9	1878.3	1830.7	1758.8	1679.9	1583.6	1516.3	1510.5	1570.8	1815.6
32.5°	2058.1	2061.6	2034.9	1995.5	1930.5	1856.2	1778.5	1704.3	1698.5	1797.1	2018.7
35°	2188.0	2198.5	2179.9	2170.6	2123.1	2054.6	1979.2	1936.3	1951.4	2077.8	2282.0
37.5°	2344.7	2355.1	2334.2	2331.9	2316.8	2257.6	2205.4	2208.9	2224.0	2395.7	2559.3
40°	2570.9	2582.5	2529.1	2505.9	2505.9	2447.9	2430.5	2512.9	2532.6	2708.9	2848.2
42.5°	2762.3	2780.9	2749.6	2734.5	2689.2	2648.6	2669.5	2785.5	2819.2	3008.3	3099.9
45°	2855.1	2869.0	2906.2	2950.3	2906.2	2835.4	2914.3	3045.4	3093.0	3284.4	3351.7
47.5°	2905.0	2917.8	2960.7	3079.0	3109.2	3050.0	3161.4	3325.0	3357.5	3558.2	3591.8
50°	2912.0	2952.6	3008.3	3126.6	3264.7	3272.8	3409.7	3609.2	3647.5	3827.3	3803.0
52.5°	2855.1	2871.4	2986.2	3185.8	3338.9	3478.1	3680.0	3881.9	3909.7	4080.2	3989.8
55°	2762.3	2785.5	2900.4	3171.8	3410.8	3673.0	3954.9	4149.9	4181.2	4326.2	4162.6
57.5°	2678.8	2690.4	2813.4	3131.2	3482.8	3867.9	4199.7	4429.4	4450.3	4542.0	4290.2
60°	2586.0	2598.7	2721.7	3044.2	3536.1	4015.3	4455.0	4711.4	4729.9	4769.4	4438.7
62.5°	2345.8	2379.5	2533.8	2900.4	3522.2	4183.5	4727.6	4989.8	5013.0	4970.1	4555.9
65°	1905.0	1952.5	2141.6	2574.4	3392.3	4292.5	4950.4	5246.2	5285.6	5120.9	4587.2
67.5°	1479.2	1512.8	1664.8	2043.0	2936.3	4238.0	5094.2	5422.5	5434.1	5096.5	4413.2
68°	1402.6	1436.3	1581.3	1931.6	2809.9	4173.1	5090.7	5427.2	5452.7	5069.8	4345.9
70°	1073.1	1111.4	1249.5	1530.2	2264.6	3760.0	4878.4	5315.8	5312.3	4747.3	3928.3
72.5°	670.6	692.6	787.7	965.2	1497.8	2860.9	4140.6	4688.2	4697.4	3870.3	3012.9
75°	425.8	425.8	421.1	467.5	768.0	1630.0	3077.9	3609.2	3616.2	2710.1	1899.2
77.5°	370.1	359.6	309.8	262.2	306.3	633.4	1821.4	2330.7	2292.5	1459.5	901.4
80°	312.1	294.7	254.1	211.1	197.2	198.4	699.6	1183.4	1132.3	525.5	299.3
82.5°	225.1	210.0	191.4	165.9	152.0	118.3	146.2	342.2	334.1	152.0	97.5
85°	121.8	110.2	107.9	109.1	91.7	73.1	61.5	75.4	75.4	66.1	55.7
87.5°	42.9	31.3	37.1	41.8	36.0	30.2	24.4	29.0	30.2	29.0	26.7
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°	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7	1149.7
2.5°	1154.3	1165.9	1193.8	1218.2	1235.6	1250.6	1258.8	1262.2	1270.4	1271.5	1269.2
5°	1163.6	1193.8	1235.6	1271.5	1291.2	1299.4	1301.7	1302.8	1299.4	1301.7	1299.4
7.5°	1188.0	1226.3	1285.4	1316.8	1320.2	1307.5	1308.6	1304.0	1308.6	1313.3	1313.3
10°	1225.1	1273.8	1329.5	1341.1	1326.0	1319.1	1333.0	1360.9	1370.1	1382.9	1382.9
12.5°	1273.8	1331.9	1371.3	1360.9	1346.9	1370.1	1410.7	1438.6	1447.9	1452.5	1449.0
15°	1329.5	1392.2	1411.9	1377.1	1402.6	1452.5	1466.4	1450.2	1427.0	1416.5	1422.3
17.5°	1400.3	1452.5	1440.9	1417.7	1475.7	1482.7	1437.4	1385.2	1348.1	1334.2	1343.5
20°	1474.5	1519.8	1466.4	1476.9	1512.8	1438.6	1352.7	1285.4	1253.0	1247.2	1256.4
22.5°	1553.4	1582.4	1492.0	1545.3	1492.0	1341.1	1237.9	1203.1	1195.0	1204.2	1212.4
25°	1642.8	1639.3	1536.0	1566.2	1414.2	1221.6	1160.1	1157.8	1157.8	1163.6	1175.2
27.5°	1743.7	1689.2	1580.1	1538.4	1279.6	1123.0	1111.4	1112.6	1109.1	1110.3	1116.1
30°	1860.9	1756.5	1628.8	1446.7	1128.8	1048.8	1044.1	1040.7	1032.5	1030.2	1032.5
32.5°	2008.2	1827.2	1678.7	1295.9	996.6	972.2	969.9	951.3	931.6	929.3	937.4
35°	2195.0	1956.0	1704.3	1106.8	887.5	886.4	878.2	849.2	823.7	823.7	817.9
37.5°	2408.5	2121.9	1714.7	922.3	797.0	802.8	779.6	742.5	722.8	711.2	714.7
40°	2626.6	2311.0	1713.5	761.1	718.1	719.3	701.9	656.6	607.9	578.9	585.9
42.5°	2836.6	2482.7	1683.4	675.2	654.3	650.8	636.9	575.4	534.8	511.6	512.8
45°	3004.8	2660.2	1637.0	624.2	596.3	602.1	570.8	533.7	496.5	475.7	474.5
47.5°	3173.0	2794.8	1562.7	592.8	553.4	542.9	530.2	504.7	476.8	453.6	454.8
50°	3326.1	2909.7	1493.1	572.0	513.9	487.3	489.6	474.5	450.1	429.3	428.1
52.5°	3434.0	2985.1	1454.8	560.4	466.4	437.4	445.5	437.4	414.2	399.1	397.9
55°	3541.9	3043.1	1467.6	545.3	414.2	391.0	404.9	402.6	389.8	385.2	386.3
57.5°	3628.9	3087.2	1512.8	517.4	364.3	350.4	373.6	366.6	357.3	358.5	358.5
60°	3713.6	3144.0	1566.2	453.6	321.4	322.5	344.6	331.8	326.0	336.4	337.6
62.5°	3801.8	3205.5	1522.1	360.8	284.2	292.4	317.9	307.4	309.8	324.8	329.5
65°	3791.4	3199.7	1240.2	295.8	251.8	268.0	306.3	302.8	304.0	309.8	312.1
67.5°	3577.9	2995.5	852.7	251.8	228.5	248.3	297.0	283.1	284.2	280.8	281.9
68°	3506.0	2923.6	751.8	244.8	223.9	243.6	292.4	279.6	280.8	277.3	276.1
70°	3113.8	2503.6	475.7	215.8	207.7	230.9	269.2	264.5	263.4	261.0	261.0
72.5°	2373.7	1848.1	250.6	186.8	189.1	211.1	240.2	249.4	243.6	244.8	251.8
75°	1572.0	1111.4	174.0	160.1	165.9	181.0	213.5	232.0	226.2	229.7	226.2
77.5°	831.8	598.6	139.2	135.7	135.7	146.2	176.3	205.3	205.3	203.0	199.5
80°	272.6	211.1	111.4	106.7	109.1	114.9	141.5	168.2	171.7	167.1	164.7
82.5°	91.7	97.5	83.5	77.7	80.1	84.7	106.7	128.8	129.9	120.7	118.3
85°	56.8	65.0	52.2	51.0	51.0	52.2	65.0	70.8	65.0	58.0	60.3
87.5°	26.7	32.5	24.4	20.9	17.4	15.1	11.6	4.6	4.6	2.3	2.3
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)