

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: P1210327

Luminaire Tested: **ARCH2-90-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210327
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: ARCH2-90-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 695mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

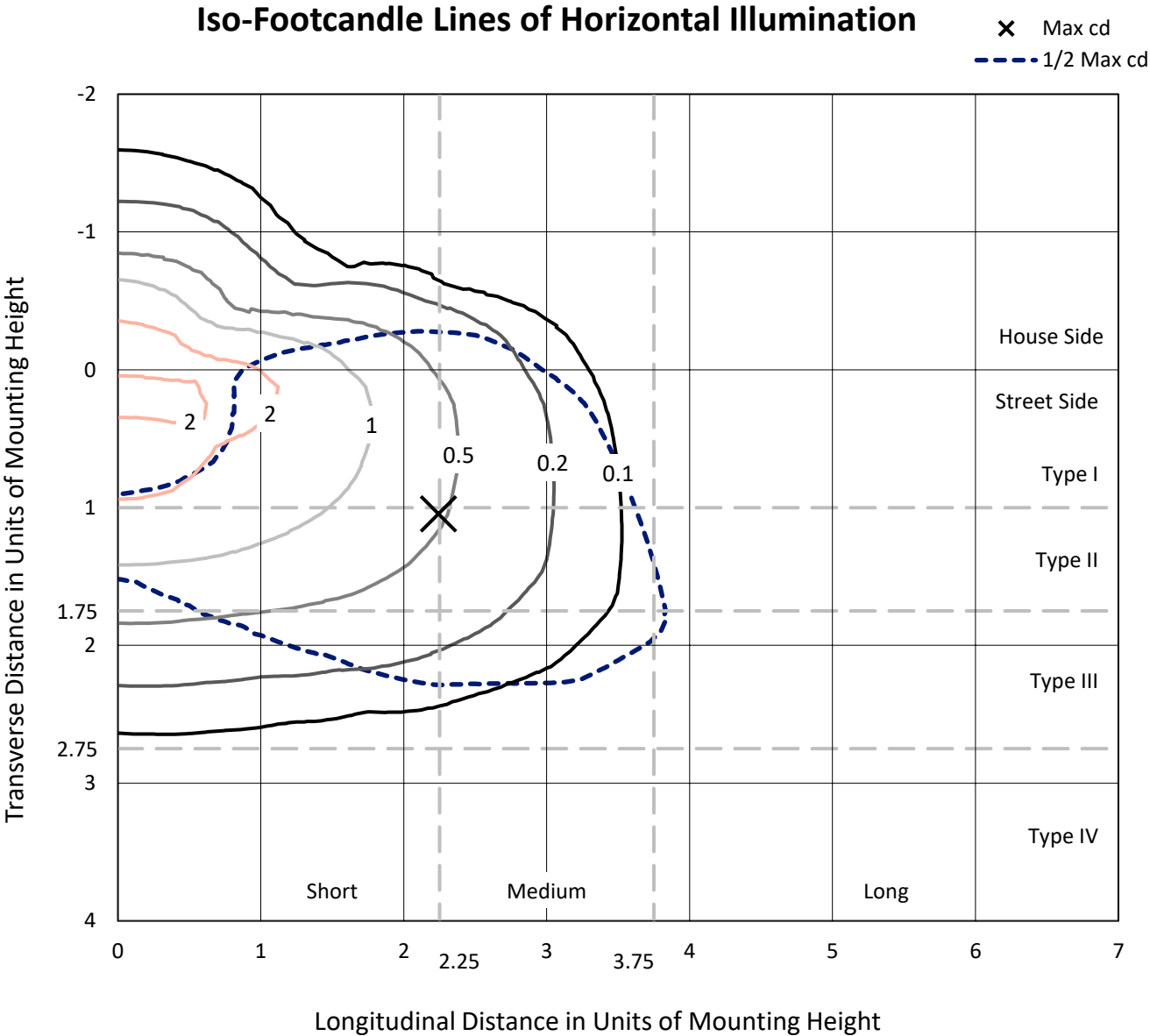
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10506 lumens
Efficiency: N/A
Efficacy: 112.1 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): 93.7
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

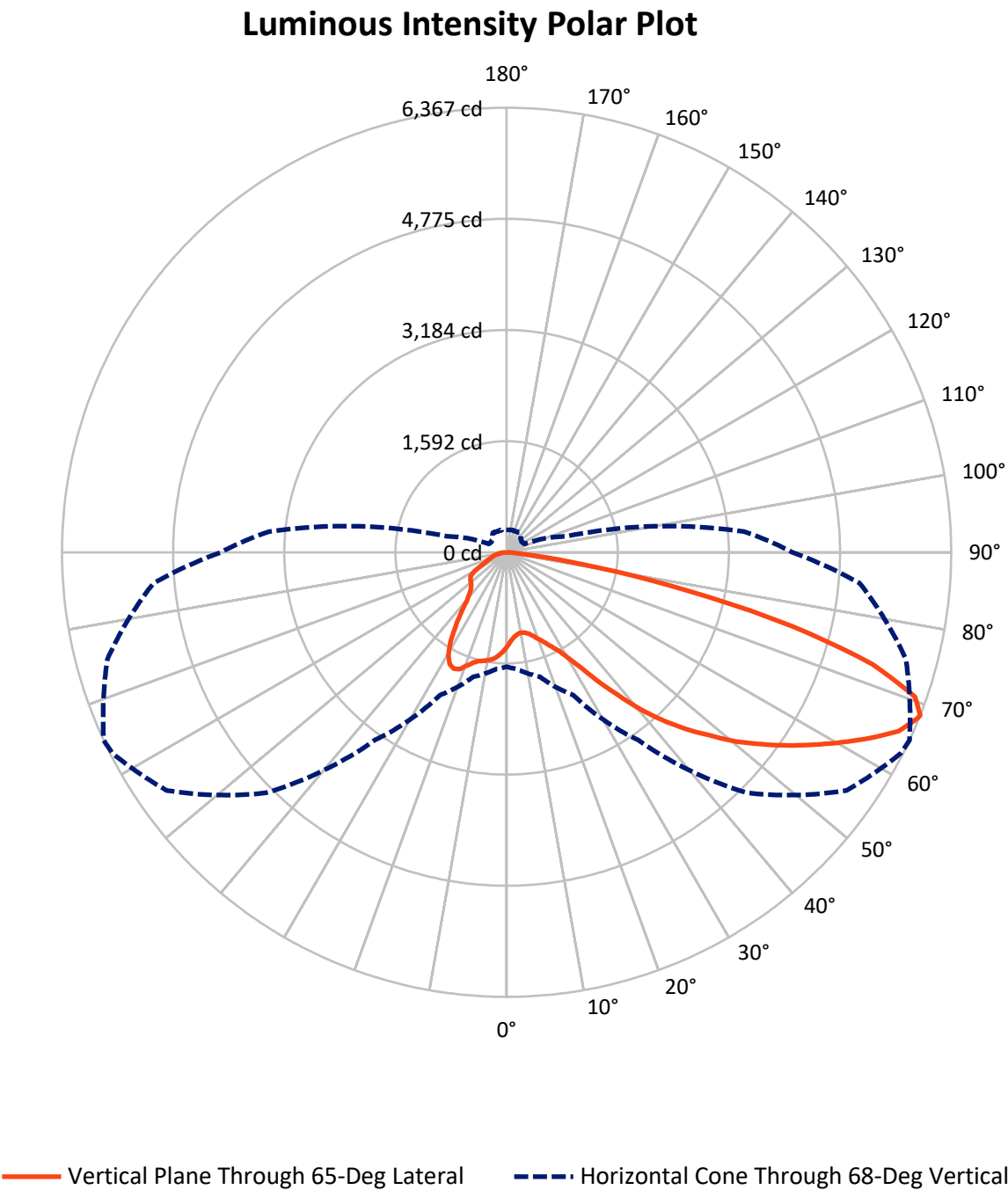


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Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - N/A

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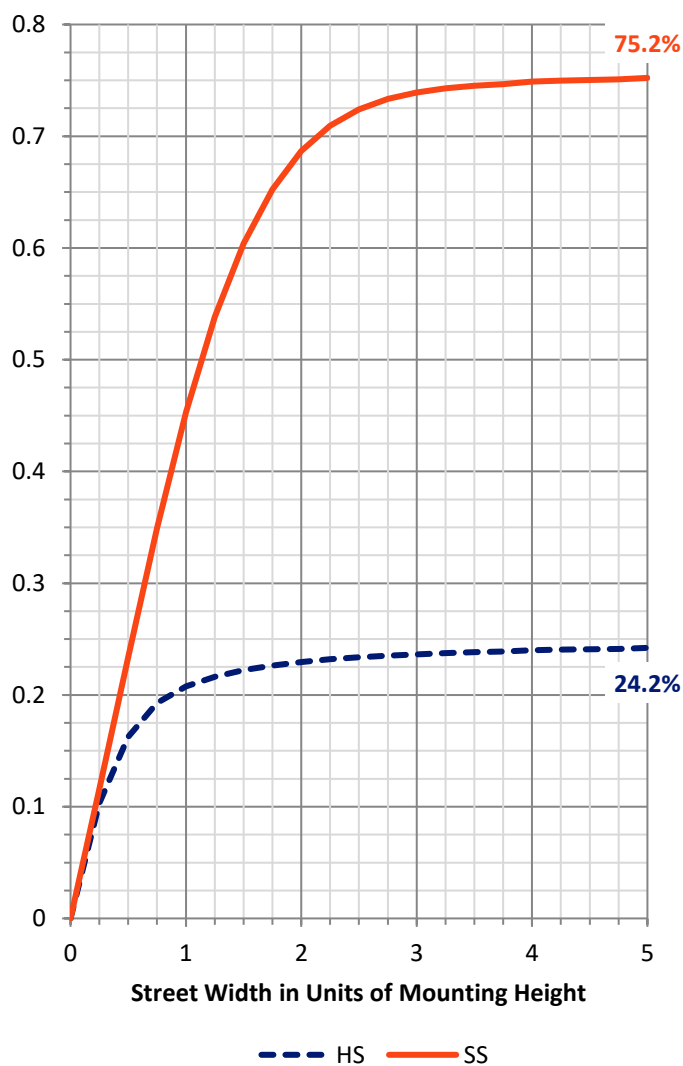
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2575.8	0.0	2575.8
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7930.2	0.0	7930.2
	% Fixture	75.5	0.0	75.5
Total	Lumens	10506.0	0.0	10506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	1.2
10°-20°	417.8	4.0
20°-30°	756.1	7.2
30°-40°	1189.5	11.3
40°-50°	1771.6	16.9
50°-60°	2323.9	22.1
60°-70°	2541.4	24.2
70°-80°	1257.5	12.0
80°-90°	120.0	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°	10506.0	100.0
0°-180°	10506.0	100.0

Coefficient of Utilization



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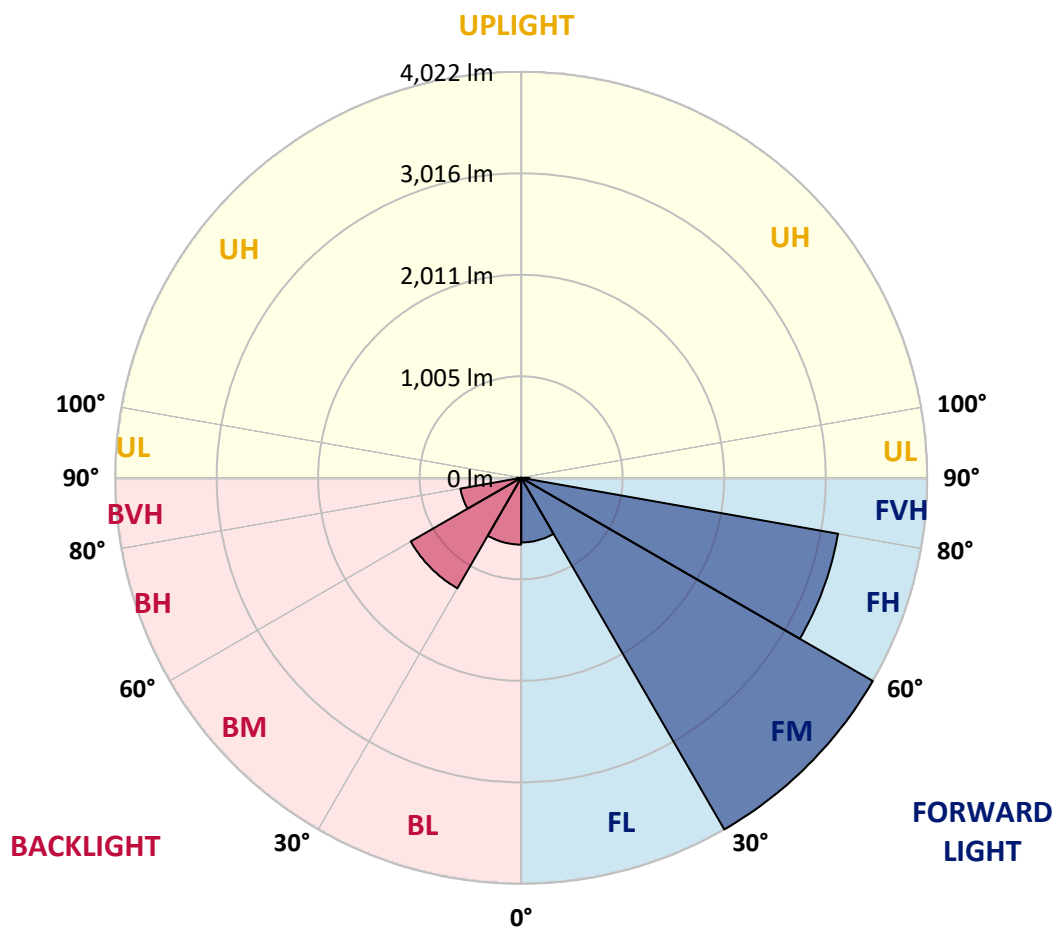
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	640.5	6.1			
FM	(30°-60°)	4021.6	38.3			
FH	(60°-80°)	3187.6	30.3			G2/5000
FVH	(80°-90°)	80.7	0.8			G1/100
BL	(0°-30°)	661.7	6.3	B2/1000		
BM	(30°-60°)	1263.4	12.0	B2/2500		
BH	(60°-80°)	611.4	5.8	B2/1000		G2/1000
BVH	(80°-90°)	39.3	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°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1171.8	1169.1	1175.9	1182.7	1197.6	1215.2	1239.6	1259.9	1262.6	1300.5	1330.3
5°	1102.8	1098.7	1105.5	1113.6	1120.4	1142.0	1167.8	1197.6	1209.8	1265.3	1329.0
7.5°	1109.5	1108.2	1110.9	1108.2	1108.2	1117.7	1135.3	1165.1	1178.6	1245.0	1335.8
10°	1148.8	1151.5	1152.9	1144.7	1136.6	1132.6	1138.0	1158.3	1167.8	1246.4	1365.6
12.5°	1213.8	1217.9	1219.3	1204.4	1193.5	1175.9	1166.4	1174.6	1181.3	1259.9	1407.6
15°	1301.9	1304.6	1295.1	1285.6	1258.5	1236.9	1213.8	1207.1	1209.8	1288.3	1455.0
17.5°	1404.9	1400.8	1400.8	1377.8	1342.5	1308.7	1270.7	1265.3	1265.3	1334.4	1522.7
20°	1517.3	1521.4	1509.2	1478.0	1442.8	1390.0	1352.0	1327.6	1330.3	1387.2	1605.4
22.5°	1679.9	1686.6	1654.1	1609.4	1555.2	1494.3	1440.1	1400.8	1402.1	1456.3	1690.7
25°	1854.6	1857.3	1837.0	1777.4	1704.3	1617.5	1545.7	1495.6	1494.3	1533.6	1800.4
27.5°	2033.5	2045.6	2005.0	1948.1	1880.4	1772.0	1677.2	1609.4	1598.6	1651.4	1937.3
30°	2217.7	2232.6	2193.3	2137.8	2053.8	1961.7	1849.2	1770.6	1763.9	1834.3	2120.2
32.5°	2403.3	2407.4	2376.2	2330.1	2254.3	2167.6	2076.8	1990.1	1983.3	2098.5	2357.2
35°	2555.0	2567.2	2545.5	2534.7	2479.2	2399.2	2311.2	2261.0	2278.7	2426.3	2664.8
37.5°	2737.9	2750.1	2725.7	2723.0	2705.4	2636.3	2575.3	2579.4	2597.0	2797.5	2988.5
40°	3002.1	3015.6	2953.3	2926.2	2926.2	2858.5	2838.2	2934.3	2957.4	3163.3	3325.9
42.5°	3225.6	3247.3	3210.7	3193.1	3140.3	3092.9	3117.2	3252.7	3292.0	3512.8	3619.8
45°	3334.0	3350.3	3393.6	3445.1	3393.6	3311.0	3403.1	3556.2	3611.7	3835.2	3913.8
47.5°	3392.2	3407.2	3457.3	3595.5	3630.7	3561.6	3691.6	3882.7	3920.6	4155.0	4194.2
50°	3400.4	3447.8	3512.8	3651.0	3812.2	3821.7	3981.6	4214.6	4259.3	4469.3	4440.8
52.5°	3334.0	3353.0	3487.1	3720.1	3898.9	4061.5	4297.2	4532.9	4565.4	4764.6	4658.9
55°	3225.6	3252.7	3386.8	3703.8	3982.9	4289.1	4618.3	4845.9	4882.5	5051.8	4860.8
57.5°	3128.1	3141.6	3285.2	3656.4	4066.9	4516.7	4904.1	5172.4	5196.8	5303.8	5009.8
60°	3019.7	3034.6	3178.2	3554.8	4129.2	4688.7	5202.2	5501.6	5523.2	5569.3	5183.2
62.5°	2739.3	2778.6	2958.7	3386.8	4113.0	4885.2	5520.5	5826.7	5853.8	5803.7	5320.0
65°	2224.5	2280.0	2500.8	3006.1	3961.2	5012.5	5780.6	6126.1	6172.2	5979.8	5356.6
67.5°	1727.3	1766.6	1944.0	2385.7	3428.8	4948.8	5948.6	6332.0	6345.6	5951.3	5153.4
68°	1637.9	1677.2	1846.5	2255.6	3281.2	4873.0	5944.6	6337.4	6367.2	5920.2	5074.8
70°	1253.1	1297.8	1459.0	1786.9	2644.4	4390.7	5696.6	6207.4	6203.3	5543.6	4587.1
72.5°	783.0	808.8	919.9	1127.1	1749.0	3340.8	4835.0	5474.5	5485.3	4519.4	3518.2
75°	497.2	497.2	491.8	546.0	896.8	1903.4	3594.1	4214.6	4222.7	3164.7	2217.7
77.5°	432.2	420.0	361.7	306.2	357.6	739.7	2126.9	2721.7	2676.9	1704.3	1052.6
80°	364.4	344.1	296.7	246.6	230.3	231.7	816.9	1381.8	1322.2	613.7	349.5
82.5°	262.8	245.2	223.5	193.7	177.5	138.2	170.7	399.6	390.2	177.5	113.8
85°	142.2	128.7	126.0	127.3	107.0	85.3	71.8	88.1	88.1	77.2	65.0
87.5°	50.1	36.6	43.4	48.8	42.0	35.2	28.4	33.9	35.2	33.9	31.2
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°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1348.0	1361.5	1394.0	1422.5	1442.8	1460.4	1469.9	1473.9	1483.4	1484.8	1482.1
5°	1358.8	1394.0	1442.8	1484.8	1507.8	1517.3	1520.0	1521.4	1517.3	1520.0	1517.3
7.5°	1387.2	1432.0	1501.0	1537.6	1541.7	1526.8	1528.1	1522.7	1528.1	1533.6	1533.6
10°	1430.6	1487.5	1552.5	1566.1	1548.5	1540.3	1556.6	1589.1	1599.9	1614.8	1614.8
12.5°	1487.5	1555.2	1601.3	1589.1	1572.8	1599.9	1647.4	1679.9	1690.7	1696.1	1692.1
15°	1552.5	1625.7	1648.7	1608.1	1637.9	1696.1	1712.4	1693.4	1666.3	1654.1	1660.9
17.5°	1635.2	1696.1	1682.6	1655.5	1723.2	1731.3	1678.5	1617.5	1574.2	1557.9	1568.8
20°	1721.9	1774.7	1712.4	1724.6	1766.6	1679.9	1579.6	1501.0	1463.1	1456.3	1467.2
22.5°	1814.0	1847.9	1742.2	1804.5	1742.2	1566.1	1445.5	1404.9	1395.4	1406.2	1415.7
25°	1918.3	1914.2	1793.7	1828.9	1651.4	1426.5	1354.7	1352.0	1352.0	1358.8	1372.3
27.5°	2036.2	1972.5	1845.1	1796.4	1494.3	1311.4	1297.8	1299.2	1295.1	1296.5	1303.3
30°	2173.0	2051.1	1902.0	1689.4	1318.2	1224.7	1219.3	1215.2	1205.7	1203.0	1205.7
32.5°	2345.0	2133.7	1960.3	1513.2	1163.7	1135.3	1132.6	1110.9	1087.8	1085.1	1094.6
35°	2563.2	2284.1	1990.1	1292.4	1036.4	1035.0	1025.5	991.7	961.9	961.9	955.1
37.5°	2812.4	2477.8	2002.3	1077.0	930.7	937.5	910.4	867.0	844.0	830.5	834.5
40°	3067.1	2698.6	2000.9	888.7	838.6	839.9	819.6	766.8	709.9	676.0	684.1
42.5°	3312.3	2899.1	1965.7	788.5	764.1	760.0	743.7	671.9	624.5	597.4	598.8
45°	3508.8	3106.4	1911.5	728.8	696.3	703.1	666.5	623.2	579.8	555.4	554.1
47.5°	3705.2	3263.5	1824.8	692.3	646.2	634.0	619.1	589.3	556.8	529.7	531.1
50°	3884.0	3397.7	1743.5	667.9	600.1	569.0	571.7	554.1	525.6	501.3	499.9
52.5°	4010.0	3485.7	1698.8	654.3	544.6	510.7	520.2	510.7	483.6	466.0	464.7
55°	4136.0	3553.5	1713.7	636.7	483.6	456.5	472.8	470.1	455.2	449.8	451.1
57.5°	4237.6	3604.9	1766.6	604.2	425.4	409.1	436.2	428.1	417.3	418.6	418.6
60°	4336.5	3671.3	1828.9	529.7	375.3	376.6	402.4	387.5	380.7	392.9	394.2
62.5°	4439.5	3743.1	1777.4	421.3	331.9	341.4	371.2	359.0	361.7	379.3	384.7
65°	4427.3	3736.3	1448.2	345.5	294.0	312.9	357.6	353.6	354.9	361.7	364.4
67.5°	4178.0	3497.9	995.7	294.0	266.9	289.9	346.8	330.6	331.9	327.8	329.2
68°	4094.0	3413.9	877.9	285.8	261.5	284.5	341.4	326.5	327.8	323.8	322.4
70°	3636.1	2923.5	555.4	252.0	242.5	269.6	314.3	308.9	307.5	304.8	304.8
72.5°	2771.8	2158.1	292.6	218.1	220.8	246.6	280.4	291.3	284.5	285.8	294.0
75°	1835.7	1297.8	203.2	187.0	193.7	211.3	249.3	270.9	264.2	268.2	264.2
77.5°	971.3	699.0	162.6	158.5	158.5	170.7	205.9	239.8	239.8	237.1	233.0
80°	318.4	246.6	130.1	124.6	127.3	134.1	165.3	196.4	200.5	195.1	192.4
82.5°	107.0	113.8	97.5	90.8	93.5	98.9	124.6	150.4	151.7	140.9	138.2
85°	66.4	75.9	61.0	59.6	59.6	61.0	75.9	82.6	75.9	67.7	70.4
87.5°	31.2	37.9	28.4	24.4	20.3	17.6	13.5	5.4	5.4	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)