

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: P1210237

Luminaire Tested: **ARCH2-60-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-60-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9076 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - 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



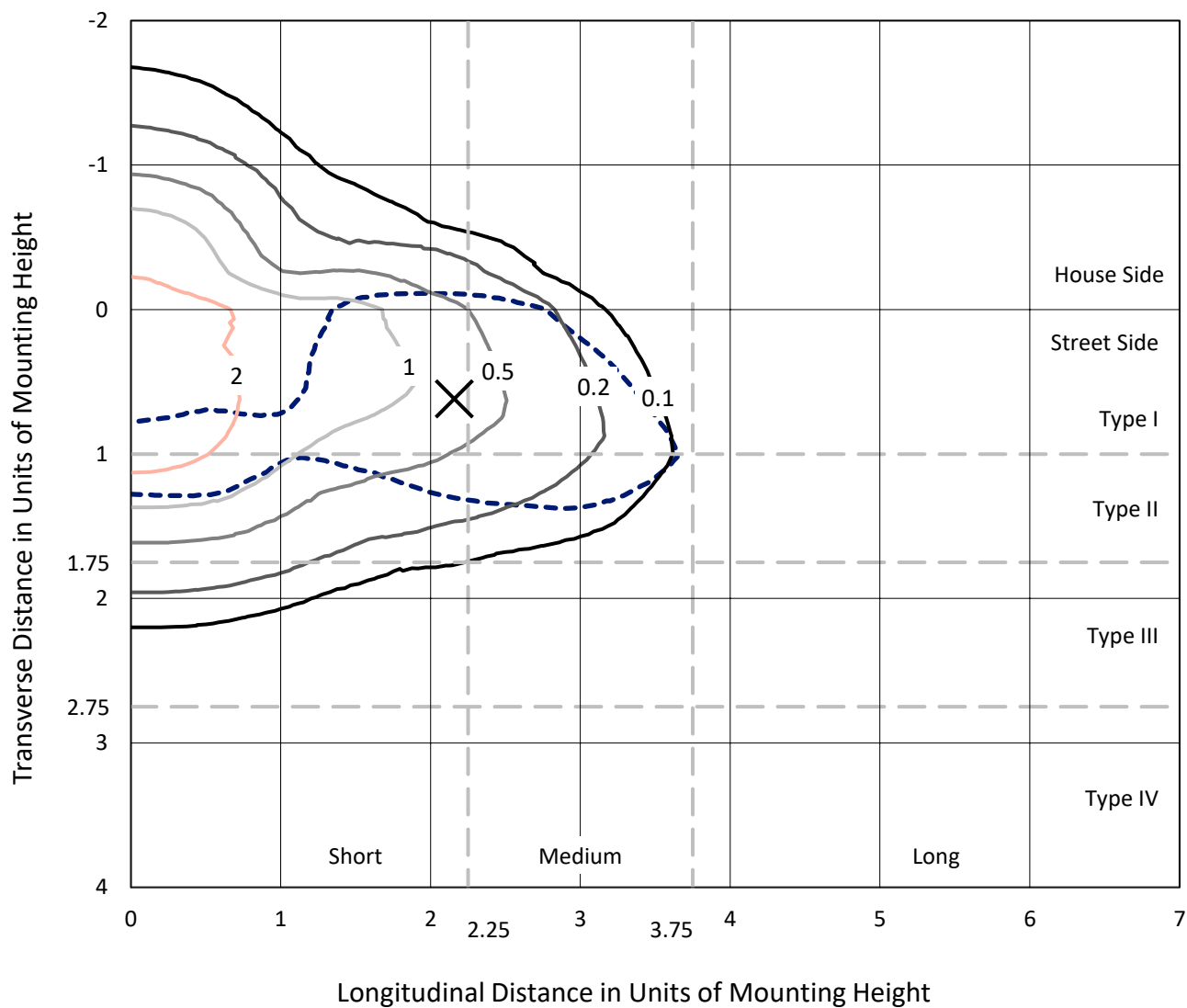
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

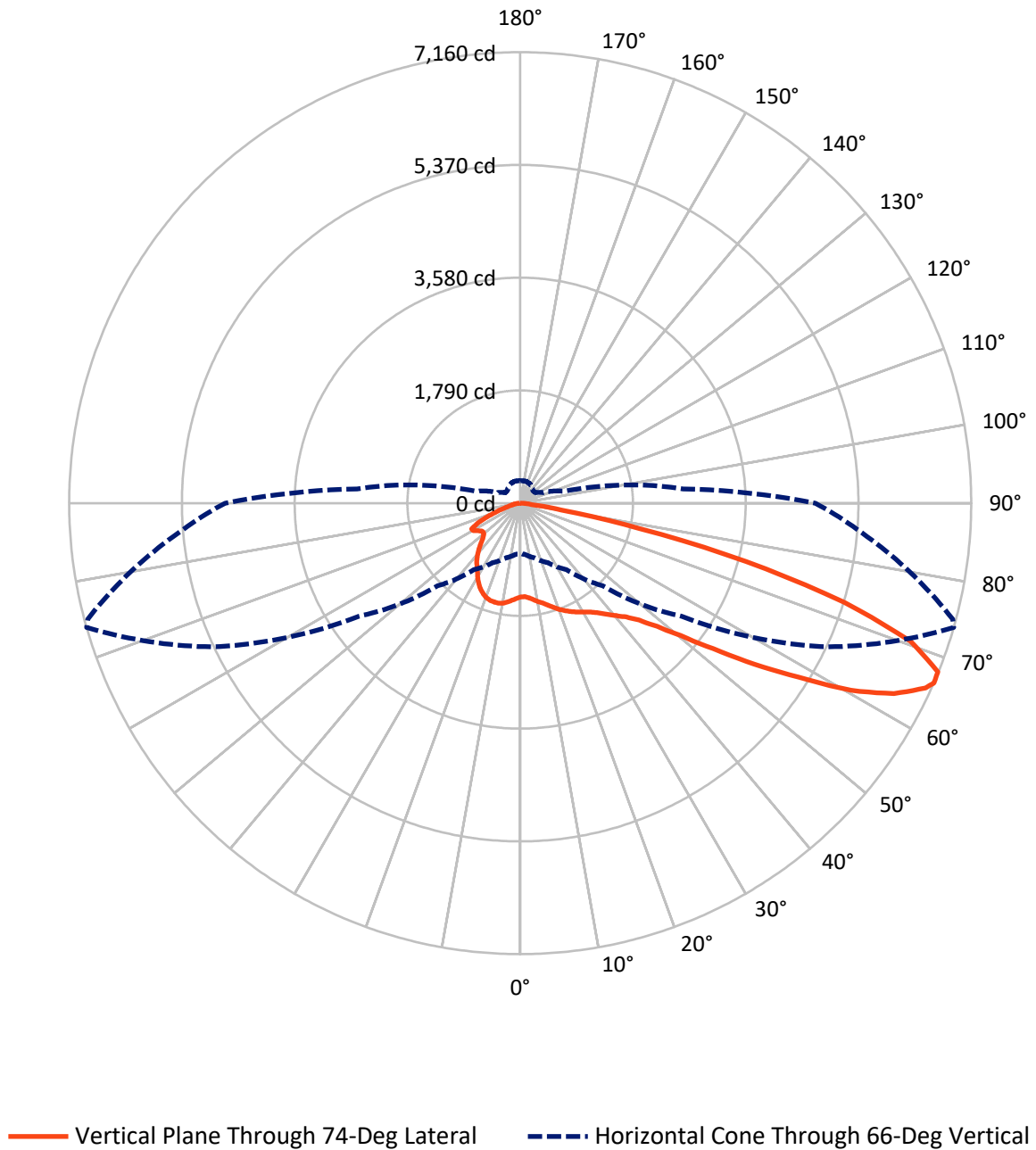


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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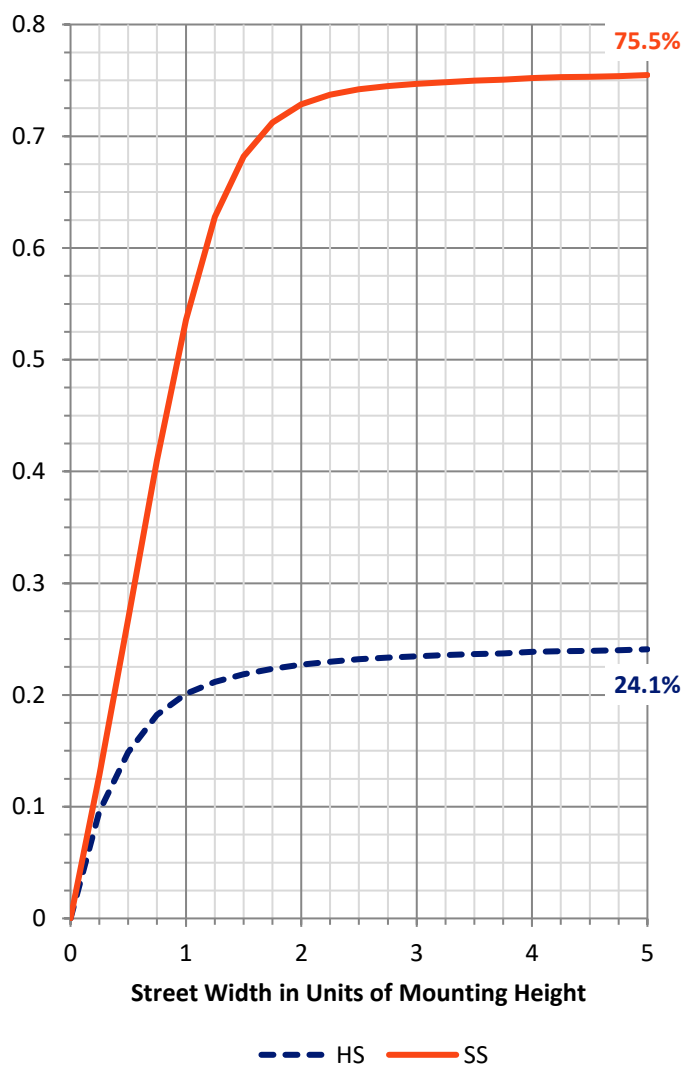
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2210.3	0.0	2210.3
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	6865.8	0.0	6865.8
	% Fixture	75.6	0.0	75.6
Total	Lumens	9076.0	0.0	9076.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	1.6
10°-20°	436.5	4.8
20°-30°	819.0	9.0
30°-40°	1259.8	13.9
40°-50°	1694.6	18.7
50°-60°	2004.1	22.1
60°-70°	1853.9	20.4
70°-80°	779.9	8.6
80°-90°	86.3	1.0
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°	9076.0	100.0
0°-180°	9076.0	100.0

Coefficient of Utilization



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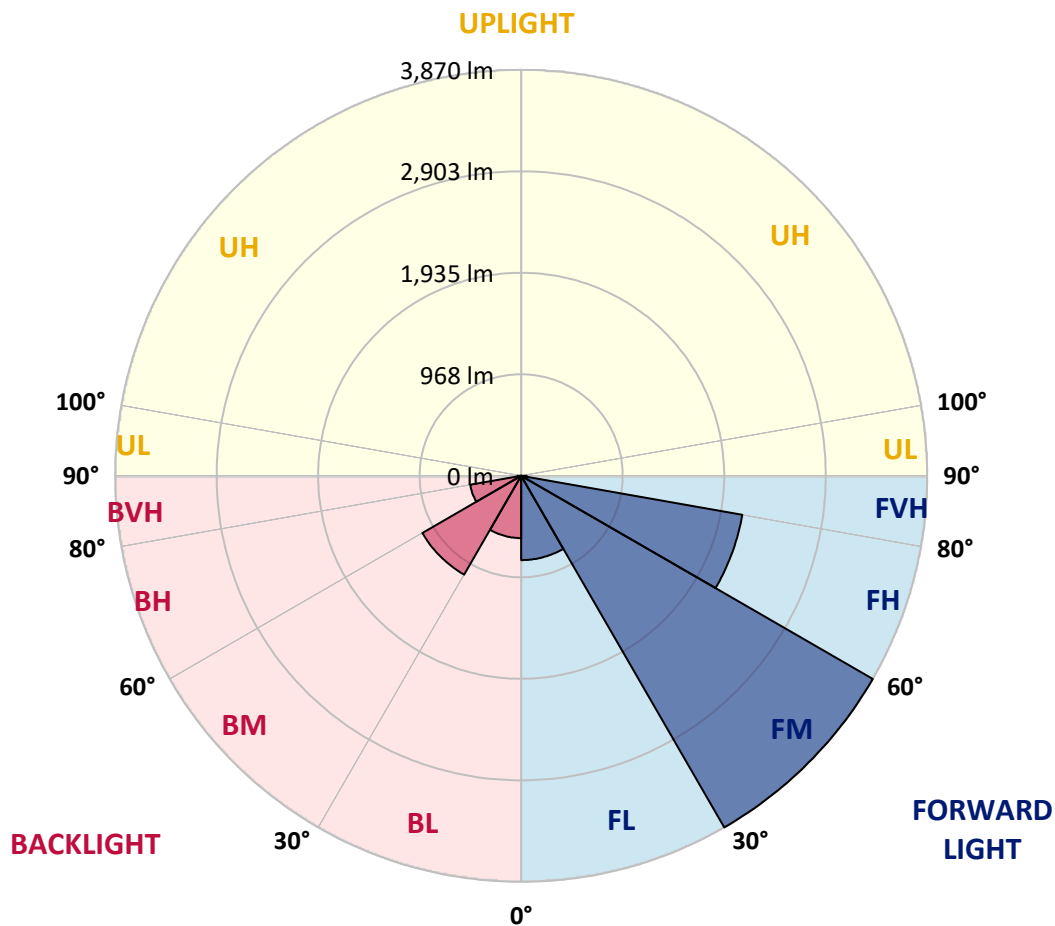
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	803.3	8.9			
FM	(30°-60°)	3870.4	42.6			
FH	(60°-80°)	2140.4	23.6			G2/5000
FVH	(80°-90°)	51.6	0.6			G1/100
BL	(0°-30°)	594.1	6.5	B2/1000		
BM	(30°-60°)	1088.1	12.0	B2/2500		
BH	(60°-80°)	493.4	5.4	B1/500		G1/500
BVH	(80°-90°)	34.7	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9
2.5°	1483.2	1480.9	1485.5	1492.5	1496.0	1490.2	1487.9	1486.7	1486.7	1483.2	1489.0
5°	1413.1	1411.9	1422.5	1435.3	1459.8	1477.3	1500.7	1514.7	1510.0	1503.0	1507.7
7.5°	1322.0	1319.7	1332.5	1357.1	1390.9	1429.5	1486.7	1531.1	1548.6	1546.3	1545.1
10°	1357.1	1354.7	1353.6	1346.5	1358.2	1395.6	1455.2	1533.4	1593.0	1594.1	1595.3
12.5°	1478.5	1484.4	1478.5	1456.3	1430.6	1416.6	1451.7	1539.2	1630.3	1637.3	1666.5
15°	1644.4	1638.5	1626.8	1601.1	1561.4	1519.4	1493.7	1566.1	1684.1	1689.9	1754.1
17.5°	1790.3	1795.0	1788.0	1763.5	1716.8	1661.9	1583.6	1612.8	1741.3	1757.6	1847.6
20°	1949.2	1967.9	1958.5	1928.1	1889.6	1807.9	1709.8	1680.6	1804.3	1816.0	1944.5
22.5°	2132.5	2152.4	2134.9	2105.7	2074.1	1973.7	1847.6	1763.5	1856.9	1881.4	2037.9
25°	2352.1	2370.8	2354.4	2308.9	2269.2	2146.5	1995.9	1856.9	1908.3	1935.1	2113.8
27.5°	2526.1	2540.1	2555.3	2528.4	2467.7	2340.4	2150.0	1953.8	1959.7	1987.7	2183.9
30°	2681.4	2716.5	2729.3	2732.8	2681.4	2538.9	2307.7	2054.3	2004.1	2033.3	2254.0
32.5°	2894.0	2946.5	2925.5	2946.5	2916.2	2725.8	2471.2	2158.2	2061.3	2088.1	2320.5
35°	3204.6	3246.7	3191.8	3175.4	3126.4	2915.0	2628.9	2265.7	2137.2	2166.4	2383.6
37.5°	3538.6	3586.5	3507.1	3441.7	3348.3	3101.8	2764.3	2407.0	2242.3	2265.7	2442.0
40°	3830.6	3870.3	3801.4	3715.0	3558.5	3266.5	2881.1	2506.2	2347.4	2376.6	2509.7
42.5°	4100.4	4126.1	4049.0	3966.1	3757.0	3414.8	3007.2	2611.3	2470.0	2498.1	2564.6
45°	4373.6	4393.5	4286.1	4168.1	3922.9	3550.3	3146.2	2758.5	2649.9	2687.3	2653.4
47.5°	4422.7	4428.5	4409.9	4330.4	4053.7	3679.9	3317.9	2955.9	2924.3	2965.2	2806.4
50°	4082.9	4135.4	4251.0	4329.3	4106.2	3788.5	3489.6	3238.5	3302.7	3355.3	3124.0
52.5°	3423.0	3473.2	3740.7	4037.3	3980.1	3813.1	3674.1	3597.0	3836.4	3899.5	3556.1
55°	2727.0	2771.3	3054.0	3481.4	3572.5	3701.0	3871.5	4054.8	4517.3	4559.3	4030.3
57.5°	2245.8	2270.3	2472.4	2883.5	3029.4	3342.4	3977.7	4599.0	5209.8	5274.1	4442.6
60°	1841.7	1868.6	2019.2	2357.9	2551.8	2829.7	3893.7	5136.3	6036.7	6036.7	4971.6
62.5°	1386.3	1409.6	1549.8	1814.9	2140.7	2395.3	3625.0	5492.5	6660.3	6632.3	5354.7
65°	951.8	970.5	1072.1	1248.4	1541.6	2041.4	3258.3	5497.1	7073.7	7036.4	5518.2
66°	798.8	815.2	901.6	1044.1	1290.5	1852.2	3128.7	5397.9	7160.2	7107.6	5449.3
67.5°	630.6	642.3	699.6	783.6	946.0	1499.5	2924.3	5116.4	7152.0	7120.5	5274.1
70°	450.8	459.0	501.0	518.5	559.4	867.7	2322.9	4481.1	6578.6	6587.9	4585.0
72.5°	349.2	362.0	387.7	391.2	381.9	461.3	1409.6	3738.3	5381.5	5378.0	3403.2
75°	281.5	288.5	301.3	308.3	306.0	297.8	596.8	2788.9	3704.5	3747.7	1906.0
77.5°	221.9	220.7	232.4	241.7	248.8	233.6	273.3	1635.0	1942.2	1887.3	715.9
80°	163.5	163.5	179.9	183.4	193.9	196.2	182.2	630.6	666.9	606.1	185.7
82.5°	107.4	107.4	125.0	127.3	137.8	153.0	132.0	189.2	184.5	175.2	84.1
85°	58.4	56.1	61.9	70.1	75.9	89.9	79.4	94.6	96.9	95.8	56.1
87.5°	11.7	10.5	16.4	18.7	21.0	28.0	25.7	38.5	53.7	52.6	24.5
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°	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9
2.5°	1497.2	1496.0	1508.9	1524.1	1541.6	1552.1	1556.8	1564.9	1559.1	1561.4	1568.4
5°	1519.4	1522.9	1541.6	1561.4	1569.6	1563.8	1550.9	1546.3	1535.7	1533.4	1531.1
7.5°	1552.1	1557.9	1576.6	1581.3	1556.8	1515.9	1486.7	1470.3	1452.8	1448.2	1445.8
10°	1605.8	1609.3	1614.0	1566.1	1505.4	1450.5	1414.3	1399.1	1387.4	1378.1	1380.4
12.5°	1673.5	1671.2	1635.0	1535.7	1449.3	1393.3	1368.7	1359.4	1351.2	1345.4	1344.2
15°	1758.8	1742.5	1638.5	1493.7	1396.8	1350.1	1332.5	1329.0	1319.7	1319.7	1318.5
17.5°	1845.2	1803.2	1636.2	1449.3	1346.5	1320.9	1310.3	1308.0	1305.7	1304.5	1308.0
20°	1931.6	1856.9	1617.5	1394.4	1311.5	1296.3	1294.0	1295.2	1292.8	1296.3	1294.0
22.5°	2007.6	1891.9	1582.5	1336.0	1287.0	1285.8	1280.0	1282.3	1290.5	1291.7	1295.2
25°	2066.0	1904.8	1531.1	1282.3	1269.5	1267.1	1274.1	1283.5	1290.5	1291.7	1297.5
27.5°	2113.8	1897.8	1466.8	1240.3	1239.1	1251.9	1273.0	1276.5	1277.6	1277.6	1273.0
30°	2150.0	1882.6	1385.1	1193.6	1199.4	1230.9	1250.8	1250.8	1241.4	1239.1	1246.1
32.5°	2158.2	1862.7	1296.3	1145.7	1155.0	1192.4	1216.9	1208.7	1198.2	1198.2	1202.9
35°	2165.2	1835.9	1225.1	1080.3	1094.3	1138.7	1162.0	1145.7	1134.0	1130.5	1129.3
37.5°	2162.9	1825.4	1160.9	997.4	1016.0	1059.3	1074.4	1059.3	1041.7	1033.6	1044.1
40°	2165.2	1818.4	1080.3	906.3	924.9	950.6	970.5	958.8	942.5	921.4	932.0
42.5°	2179.2	1827.7	991.5	817.5	817.5	831.5	865.4	857.2	817.5	809.3	818.7
45°	2254.0	1877.9	902.8	728.7	715.9	725.2	760.3	725.2	700.7	700.7	708.9
47.5°	2435.0	1971.4	824.5	650.5	620.1	638.8	648.2	615.5	596.8	592.1	600.3
50°	2804.0	2158.2	777.8	586.3	548.9	562.9	557.1	555.9	537.2	539.6	544.2
52.5°	3364.6	2522.6	763.8	554.7	508.0	511.5	505.7	508.0	504.5	516.2	519.7
55°	3975.4	2906.8	781.3	559.4	480.0	455.5	457.8	469.5	483.5	502.2	505.7
57.5°	4432.0	3099.5	826.8	590.9	445.0	407.6	413.4	435.6	462.5	477.7	485.8
60°	4771.9	3076.2	893.4	599.1	402.9	364.4	374.9	407.6	430.9	443.8	452.0
62.5°	4882.8	2930.2	909.8	539.6	348.0	323.5	349.2	383.1	393.6	407.6	413.4
65°	4791.7	2723.5	790.6	437.9	306.0	293.1	330.5	356.2	370.2	377.2	378.4
66°	4684.3	2599.7	726.4	398.2	290.8	283.8	323.5	344.5	358.5	357.4	358.5
67.5°	4448.4	2340.4	622.5	342.2	268.6	269.8	311.8	325.8	330.5	327.0	327.0
70°	3646.1	1647.9	446.1	259.3	235.9	252.3	280.3	283.8	294.3	289.6	289.6
72.5°	2248.1	809.3	299.0	198.5	210.2	235.9	234.7	246.4	270.9	278.0	282.6
75°	1104.8	328.2	197.4	168.2	188.0	197.4	195.0	224.2	259.3	289.6	300.1
77.5°	419.3	163.5	137.8	147.2	151.8	148.3	155.3	203.2	259.3	314.2	324.7
80°	129.6	113.3	108.6	121.5	114.5	108.6	116.8	168.2	219.6	238.2	238.2
82.5°	78.2	88.8	84.1	82.9	77.1	78.2	84.1	120.3	169.3	177.5	177.5
85°	54.9	58.4	47.9	45.5	44.4	43.2	43.2	70.1	100.4	99.3	102.8
87.5°	21.0	23.4	17.5	17.5	16.4	11.7	9.3	11.7	11.7	8.2	5.8
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)