

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: P1210759

Luminaire Tested: **ARCH3-60-740-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210759
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: ARCH3-60-740-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10590 lumens
Efficiency: N/A
Efficacy: 167.6 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.2
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

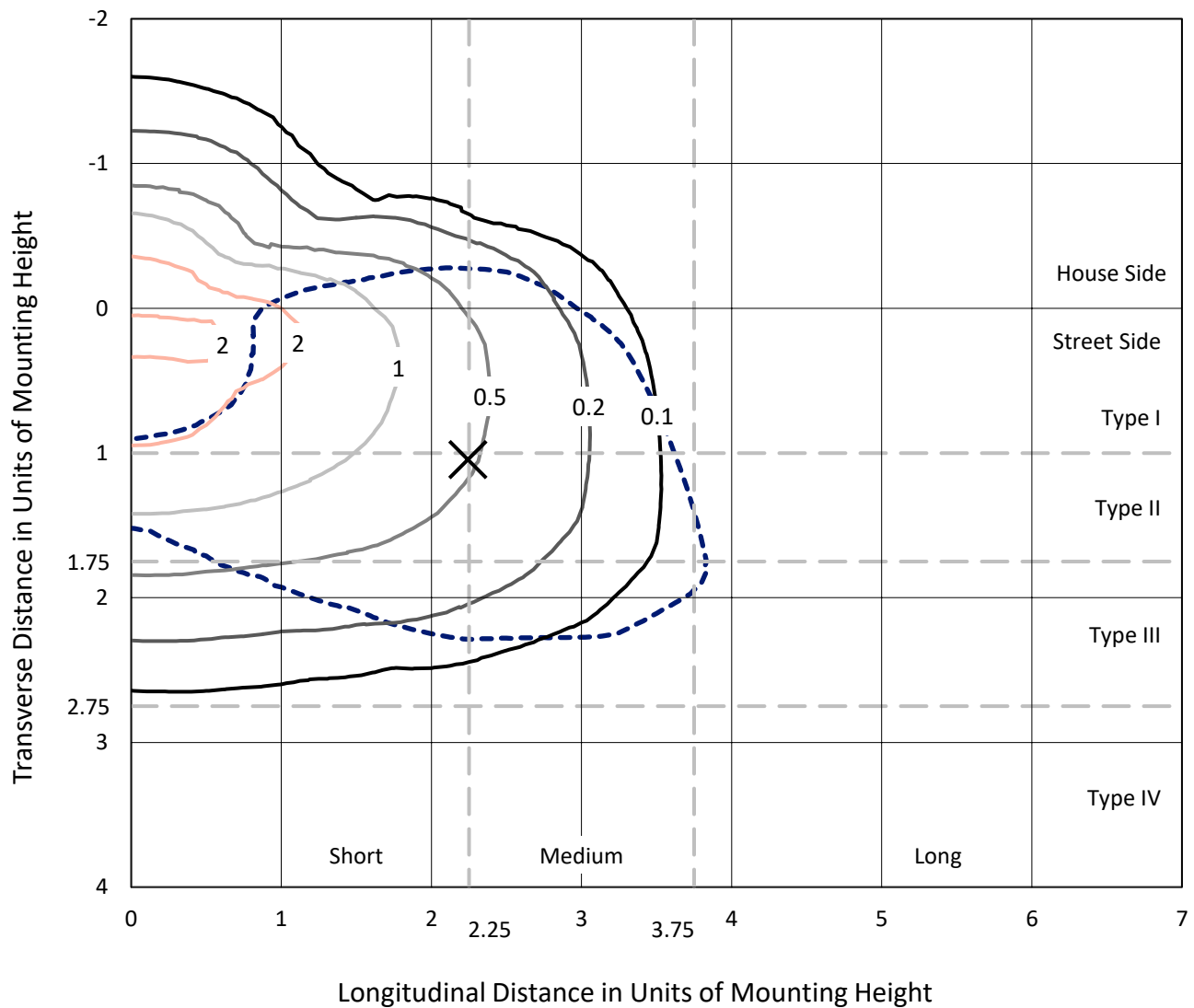


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Iso-Footcandle Lines of Horizontal Illumination

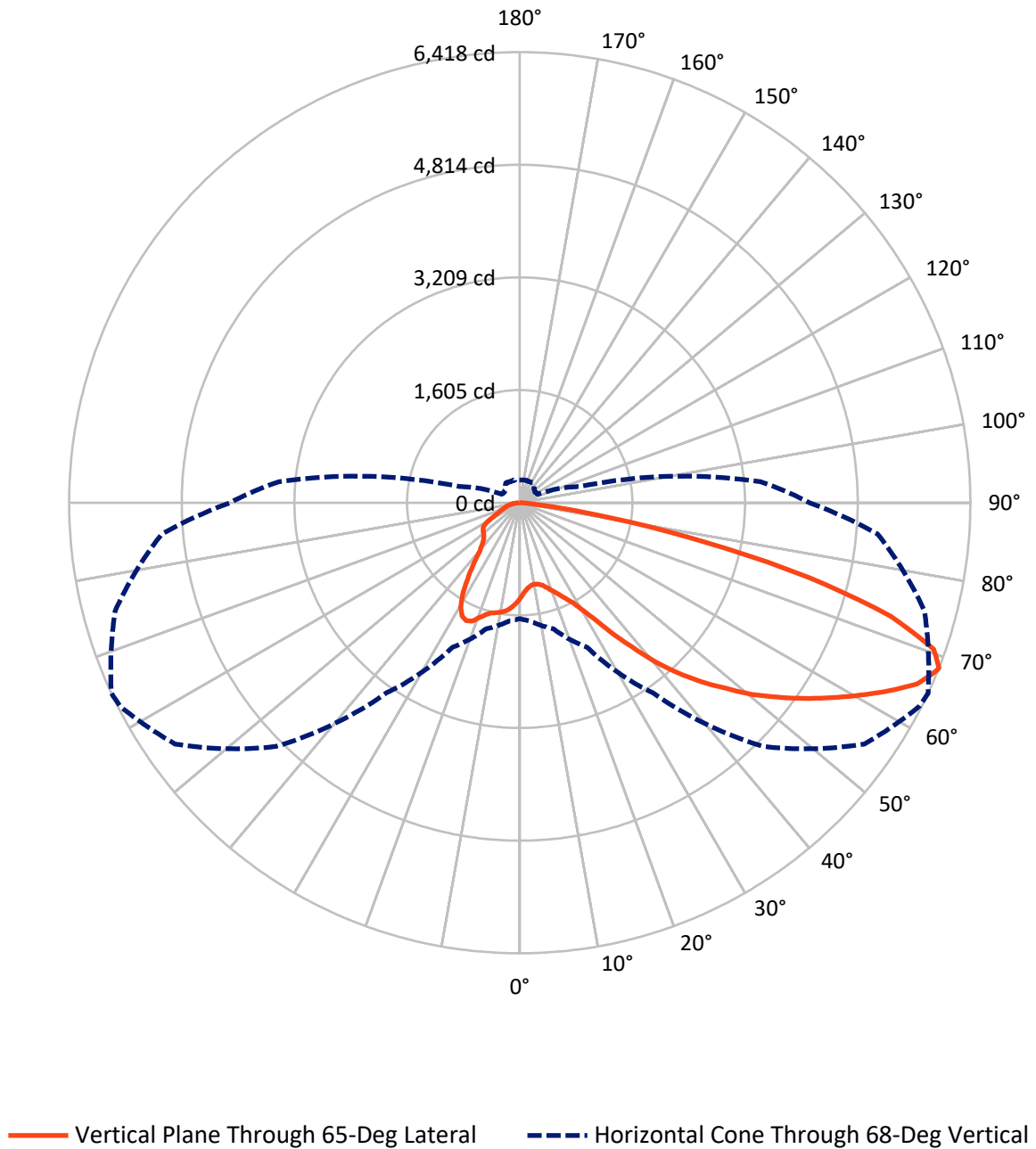
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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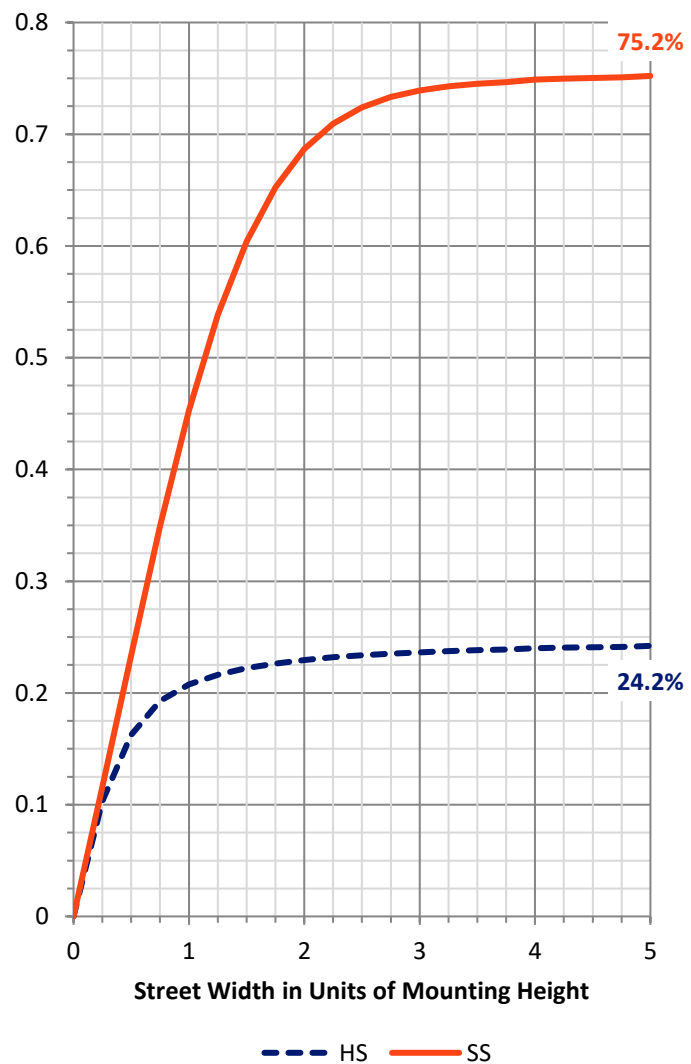
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2596.4	0.0	2596.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7993.6	0.0	7993.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	10590.0	0.0	10590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	1.2
10°-20°	421.1	4.0
20°-30°	762.2	7.2
30°-40°	1199.0	11.3
40°-50°	1785.7	16.9
50°-60°	2342.5	22.1
60°-70°	2561.7	24.2
70°-80°	1267.6	12.0
80°-90°	120.9	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°	10590.0	100.0
0°-180°	10590.0	100.0

Coefficient of Utilization



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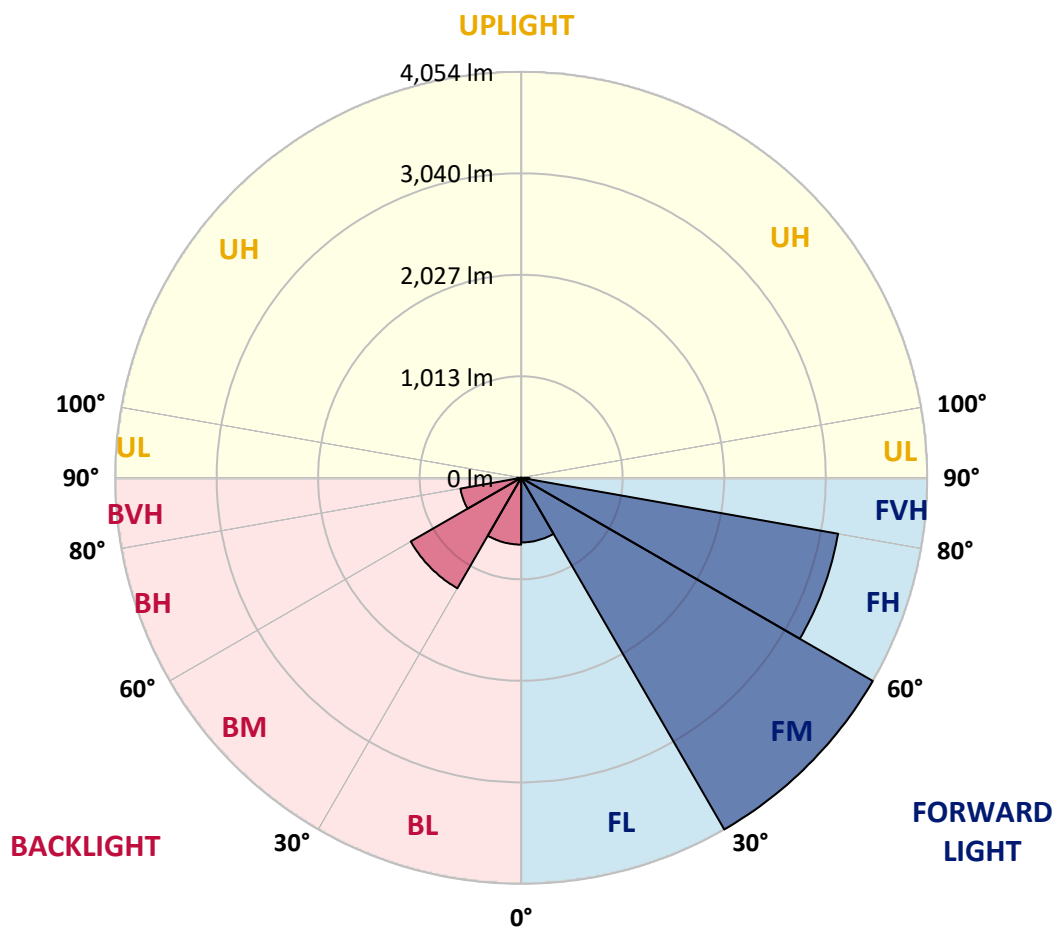
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	645.6	6.1			
FM	(30°-60°)	4053.7	38.3			
FH	(60°-80°)	3213.0	30.3			G2/5000
FVH	(80°-90°)	81.3	0.8			G1/100
BL	(0°-30°)	667.0	6.3	B2/1000		
BM	(30°-60°)	1273.5	12.0	B2/2500		
BH	(60°-80°)	616.3	5.8	B2/1000		G2/1000
BVH	(80°-90°)	39.6	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°	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3
2.5°	1181.2	1178.5	1185.3	1192.1	1207.2	1224.9	1249.5	1270.0	1272.7	1310.9	1341.0
5°	1111.6	1107.5	1114.3	1122.5	1129.3	1151.2	1177.1	1207.2	1219.4	1275.4	1339.6
7.5°	1118.4	1117.0	1119.8	1117.0	1117.0	1126.6	1144.3	1174.4	1188.0	1255.0	1346.4
10°	1158.0	1160.7	1162.1	1153.9	1145.7	1141.6	1147.1	1167.6	1177.1	1256.3	1376.5
12.5°	1223.5	1227.6	1229.0	1214.0	1203.1	1185.3	1175.8	1183.9	1190.8	1270.0	1418.8
15°	1312.3	1315.0	1305.5	1295.9	1268.6	1246.8	1223.5	1216.7	1219.4	1298.7	1466.6
17.5°	1416.1	1412.0	1412.0	1388.8	1353.3	1319.1	1280.9	1275.4	1275.4	1345.1	1534.9
20°	1529.4	1533.5	1521.2	1489.8	1454.3	1401.1	1362.8	1338.3	1341.0	1398.3	1618.2
22.5°	1693.3	1700.1	1667.4	1622.3	1567.7	1506.2	1451.6	1412.0	1413.4	1468.0	1704.2
25°	1869.5	1872.2	1851.7	1791.6	1717.9	1630.5	1558.1	1507.6	1506.2	1545.8	1814.8
27.5°	2049.7	2062.0	2021.0	1963.7	1895.4	1786.2	1690.6	1622.3	1611.4	1664.6	1952.8
30°	2235.4	2250.4	2210.8	2154.9	2070.2	1977.3	1864.0	1784.8	1778.0	1849.0	2137.1
32.5°	2422.5	2426.6	2395.2	2348.8	2272.3	2184.9	2093.4	2006.0	1999.2	2115.3	2376.1
35°	2575.5	2587.7	2565.9	2555.0	2499.0	2418.4	2329.7	2279.1	2296.9	2445.7	2686.1
37.5°	2759.8	2772.1	2747.5	2744.8	2727.0	2657.4	2595.9	2600.0	2617.8	2819.9	3012.4
40°	3026.1	3039.7	2976.9	2949.6	2949.6	2881.3	2860.9	2957.8	2981.0	3188.6	3352.5
42.5°	3251.4	3273.3	3236.4	3218.6	3165.4	3117.6	3142.2	3278.7	3318.3	3540.9	3648.8
45°	3360.7	3377.0	3420.7	3472.6	3420.7	3337.4	3430.3	3584.6	3640.6	3865.9	3945.1
47.5°	3419.4	3434.4	3484.9	3624.2	3659.7	3590.1	3721.2	3913.7	3951.9	4188.2	4227.8
50°	3427.6	3475.4	3540.9	3680.2	3842.7	3852.3	4013.4	4248.3	4293.3	4505.0	4476.3
52.5°	3360.7	3379.8	3515.0	3749.8	3930.1	4094.0	4331.6	4569.2	4601.9	4802.7	4696.2
55°	3251.4	3278.7	3413.9	3733.5	4014.8	4323.4	4655.2	4884.6	4921.5	5092.2	4899.6
57.5°	3153.1	3166.7	3311.5	3685.7	4099.4	4552.8	4943.3	5213.7	5238.3	5346.2	5049.9
60°	3043.8	3058.9	3203.6	3583.2	4162.2	4726.2	5243.8	5545.6	5567.4	5613.8	5224.6
62.5°	2761.2	2800.8	2982.4	3413.9	4145.9	4924.2	5564.7	5873.3	5900.6	5850.1	5362.6
65°	2242.3	2298.2	2520.8	3030.2	3992.9	5052.6	5826.9	6175.1	6221.5	6027.6	5399.4
67.5°	1741.1	1780.7	1959.6	2404.8	3456.2	4988.4	5996.2	6382.6	6396.3	5998.9	5194.6
68°	1651.0	1690.6	1861.3	2273.7	3307.4	4911.9	5992.1	6388.1	6418.1	5967.5	5115.4
70°	1263.1	1308.2	1470.7	1801.2	2665.6	4425.8	5742.2	6257.0	6252.9	5587.9	4623.8
72.5°	789.3	815.2	927.2	1136.1	1762.9	3367.5	4873.7	5518.2	5529.2	4555.5	3546.4
75°	501.2	501.2	495.7	550.3	904.0	1918.6	3622.8	4248.3	4256.5	3190.0	2235.4
77.5°	435.6	423.3	364.6	308.6	360.5	745.6	2143.9	2743.4	2698.4	1717.9	1061.0
80°	367.3	346.9	299.1	248.5	232.1	233.5	823.4	1392.9	1332.8	618.6	352.3
82.5°	264.9	247.2	225.3	195.3	178.9	139.3	172.1	402.8	393.3	178.9	114.7
85°	143.4	129.7	127.0	128.4	107.9	86.0	72.4	88.8	88.8	77.8	65.5
87.5°	50.5	36.9	43.7	49.2	42.3	35.5	28.7	34.1	35.5	34.1	31.4
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°	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3	1353.3
2.5°	1358.7	1372.4	1405.2	1433.8	1454.3	1472.1	1481.6	1485.7	1495.3	1496.7	1493.9
5°	1369.7	1405.2	1454.3	1496.7	1519.9	1529.4	1532.2	1533.5	1529.4	1532.2	1529.4
7.5°	1398.3	1443.4	1513.0	1549.9	1554.0	1539.0	1540.4	1534.9	1540.4	1545.8	1545.8
10°	1442.0	1499.4	1564.9	1578.6	1560.8	1552.6	1569.0	1601.8	1612.7	1627.8	1627.8
12.5°	1499.4	1567.7	1614.1	1601.8	1585.4	1612.7	1660.5	1693.3	1704.2	1709.7	1705.6
15°	1564.9	1638.7	1661.9	1620.9	1651.0	1709.7	1726.1	1707.0	1679.6	1667.4	1674.2
17.5°	1648.2	1709.7	1696.0	1668.7	1737.0	1745.2	1691.9	1630.5	1586.8	1570.4	1581.3
20°	1735.6	1788.9	1726.1	1738.4	1780.7	1693.3	1592.2	1513.0	1474.8	1468.0	1478.9
22.5°	1828.5	1862.6	1756.1	1818.9	1756.1	1578.6	1457.1	1416.1	1406.5	1417.5	1427.0
25°	1933.6	1929.5	1808.0	1843.5	1664.6	1437.9	1365.6	1362.8	1362.8	1369.7	1383.3
27.5°	2052.4	1988.3	1859.9	1810.7	1506.2	1321.9	1308.2	1309.6	1305.5	1306.8	1313.7
30°	2190.4	2067.5	1917.3	1702.9	1328.7	1234.5	1229.0	1224.9	1215.4	1212.6	1215.4
32.5°	2363.8	2150.8	1976.0	1525.3	1173.0	1144.3	1141.6	1119.8	1096.5	1093.8	1103.4
35°	2583.6	2302.3	2006.0	1302.7	1044.7	1043.3	1033.7	999.6	969.5	969.5	962.7
37.5°	2834.9	2497.6	2018.3	1085.6	938.1	945.0	917.7	874.0	850.7	837.1	841.2
40°	3091.6	2720.2	2016.9	895.8	845.3	846.6	826.2	772.9	715.6	681.4	689.6
42.5°	3338.8	2922.3	1981.4	794.8	770.2	766.1	749.7	677.3	629.5	602.2	603.6
45°	3536.8	3131.2	1926.8	734.7	701.9	708.7	671.9	628.2	584.5	559.9	558.5
47.5°	3734.8	3289.6	1839.4	697.8	651.4	639.1	624.1	594.0	561.2	533.9	535.3
50°	3915.1	3424.8	1757.5	673.2	604.9	573.5	576.3	558.5	529.8	505.3	503.9
52.5°	4042.1	3513.6	1712.4	659.6	549.0	514.8	524.4	514.8	487.5	469.8	468.4
55°	4169.1	3581.9	1727.4	641.8	487.5	460.2	476.6	473.9	458.8	453.4	454.7
57.5°	4271.5	3633.8	1780.7	609.0	428.8	412.4	439.7	431.5	420.6	422.0	422.0
60°	4371.2	3700.7	1843.5	533.9	378.3	379.6	405.6	390.6	383.7	396.0	397.4
62.5°	4475.0	3773.1	1791.6	424.7	334.6	344.1	374.2	361.9	364.6	382.4	387.8
65°	4462.7	3766.2	1459.8	348.2	296.3	315.4	360.5	356.4	357.8	364.6	367.3
67.5°	4211.4	3525.9	1003.7	296.3	269.0	292.2	349.6	333.2	334.6	330.5	331.8
68°	4126.7	3441.2	884.9	288.1	263.6	286.8	344.1	329.1	330.5	326.4	325.0
70°	3665.2	2946.9	559.9	254.0	244.4	271.7	316.8	311.3	310.0	307.3	307.3
72.5°	2793.9	2175.3	295.0	219.9	222.6	248.5	282.7	293.6	286.8	288.1	296.3
75°	1850.3	1308.2	204.8	188.4	195.3	213.0	251.3	273.1	266.3	270.4	266.3
77.5°	979.1	704.6	163.9	159.8	159.8	172.1	207.6	241.7	241.7	239.0	234.9
80°	320.9	248.5	131.1	125.6	128.4	135.2	166.6	198.0	202.1	196.6	193.9
82.5°	107.9	114.7	98.3	91.5	94.2	99.7	125.6	151.6	152.9	142.0	139.3
85°	66.9	76.5	61.5	60.1	60.1	61.5	76.5	83.3	76.5	68.3	71.0
87.5°	31.4	38.2	28.7	24.6	20.5	17.8	13.7	5.5	5.5	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)