

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: P1210295

Luminaire Tested: **ARCH2-80-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210295
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: ARCH2-80-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 630mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9737 lumens
Efficiency: N/A
Efficacy: 115.5 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): 84.3
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

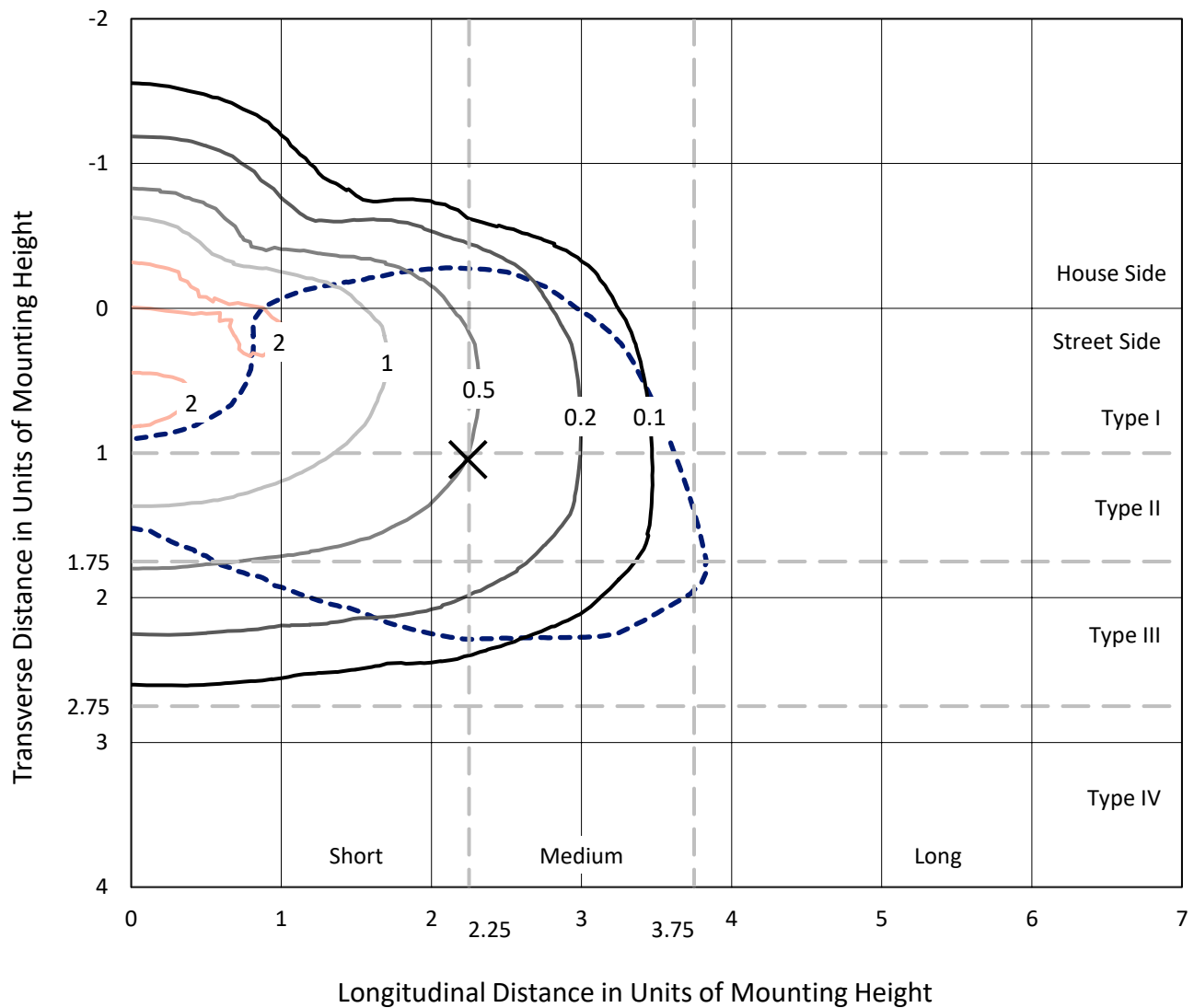


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Iso-Footcandle Lines of Horizontal Illumination

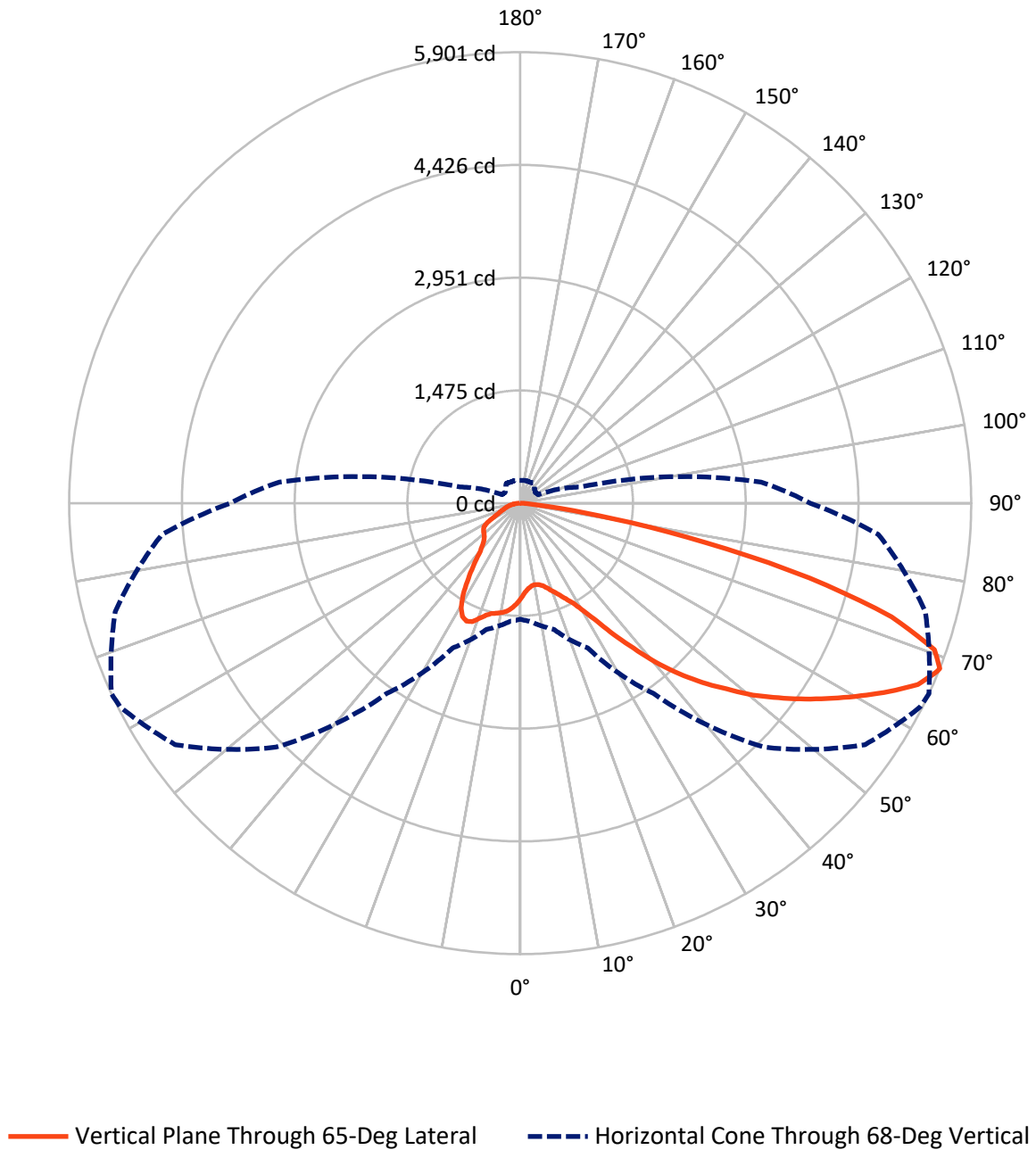
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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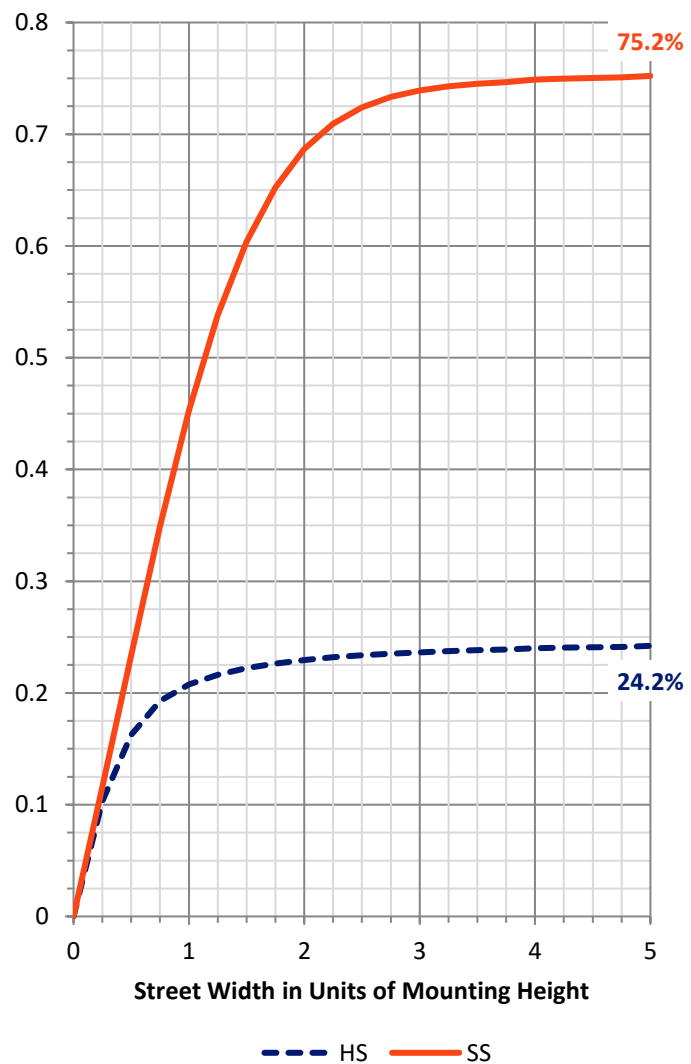
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2387.2	0.0	2387.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7349.8	0.0	7349.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	9737.0	0.0	9737.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.2
10°-20°	387.2	4.0
20°-30°	700.8	7.2
30°-40°	1102.4	11.3
40°-50°	1641.9	16.9
50°-60°	2153.8	22.1
60°-70°	2355.3	24.2
70°-80°	1165.5	12.0
80°-90°	111.2	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°	9737.0	100.0
0°-180°	9737.0	100.0

Coefficient of Utilization



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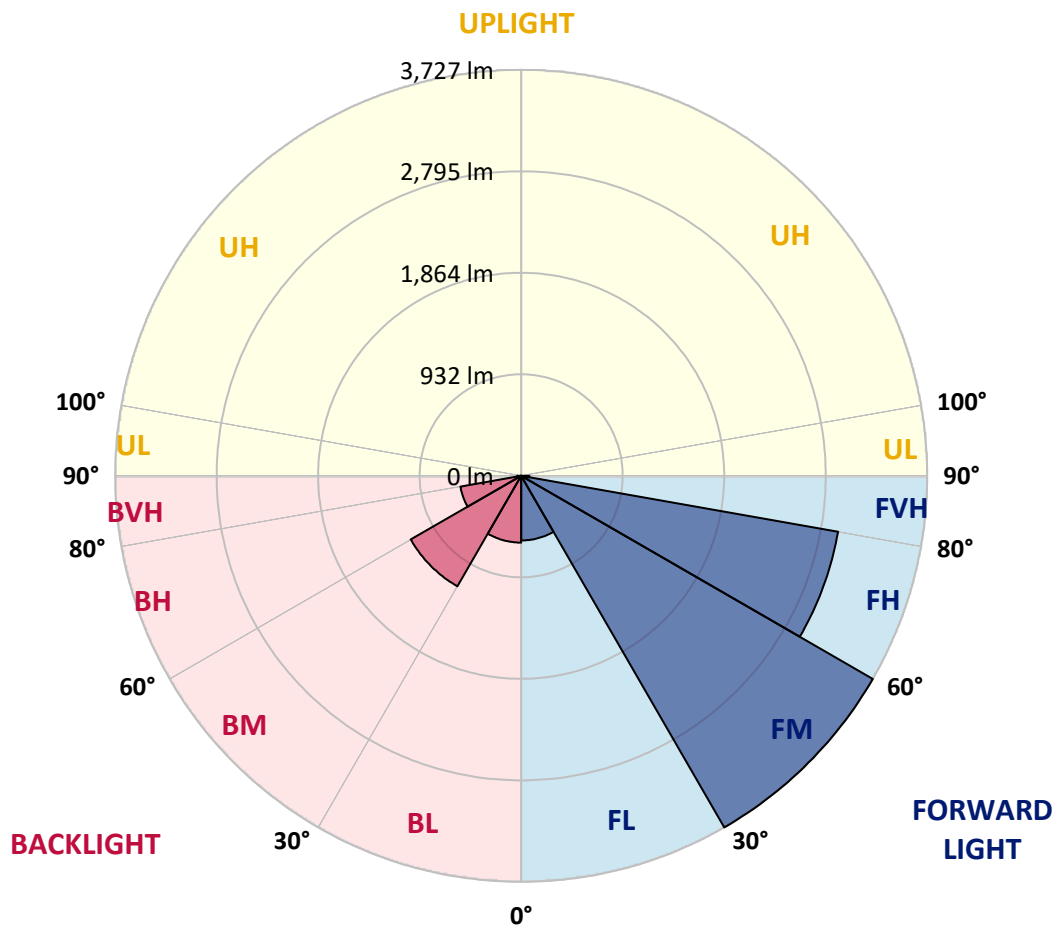
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	593.6	6.1			
FM	(30°-60°)	3727.2	38.3			
FH	(60°-80°)	2954.2	30.3			G2/5000
FVH	(80°-90°)	74.8	0.8			G1/100
BL	(0°-30°)	613.3	6.3	B2/1000		
BM	(30°-60°)	1170.9	12.0	B2/2500		
BH	(60°-80°)	566.6	5.8	B2/1000		G2/1000
BVH	(80°-90°)	36.4	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°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1086.1	1083.6	1089.8	1096.1	1109.9	1126.2	1148.8	1167.7	1170.2	1205.3	1233.0
5°	1022.0	1018.3	1024.5	1032.1	1038.4	1058.4	1082.3	1109.9	1121.2	1172.7	1231.7
7.5°	1028.3	1027.1	1029.6	1027.1	1027.1	1035.8	1052.2	1079.8	1092.3	1153.9	1238.0
10°	1064.7	1067.2	1068.5	1061.0	1053.4	1049.7	1054.7	1073.5	1082.3	1155.1	1265.6
12.5°	1125.0	1128.8	1130.0	1116.2	1106.2	1089.8	1081.0	1088.6	1094.9	1167.7	1304.5
15°	1206.6	1209.1	1200.3	1191.5	1166.4	1146.3	1125.0	1118.7	1121.2	1194.0	1348.5
17.5°	1302.0	1298.3	1298.3	1276.9	1244.3	1212.9	1177.7	1172.7	1172.7	1236.7	1411.3
20°	1406.2	1410.0	1398.7	1369.8	1337.2	1288.2	1253.1	1230.5	1233.0	1285.7	1487.9
22.5°	1556.9	1563.2	1533.1	1491.6	1441.4	1384.9	1334.7	1298.3	1299.5	1349.7	1567.0
25°	1718.9	1721.4	1702.6	1647.3	1579.5	1499.2	1432.6	1386.1	1384.9	1421.3	1668.7
27.5°	1884.6	1895.9	1858.2	1805.5	1742.7	1642.3	1554.4	1491.6	1481.6	1530.5	1795.5
30°	2055.4	2069.2	2032.8	1981.3	1903.4	1818.1	1713.9	1641.0	1634.8	1700.0	1965.0
32.5°	2227.4	2231.1	2202.3	2159.6	2089.3	2008.9	1924.8	1844.4	1838.2	1944.9	2184.7
35°	2368.0	2379.3	2359.2	2349.2	2297.7	2223.6	2142.0	2095.5	2111.9	2248.7	2469.7
37.5°	2537.5	2548.8	2526.2	2523.7	2507.4	2443.3	2386.8	2390.6	2406.9	2592.8	2769.8
40°	2782.3	2794.9	2737.1	2712.0	2712.0	2649.3	2630.4	2719.6	2740.9	2931.8	3082.4
42.5°	2989.5	3009.6	2975.7	2959.4	2910.4	2866.5	2889.1	3014.6	3051.0	3255.7	3354.9
45°	3090.0	3105.0	3145.2	3192.9	3145.2	3068.6	3154.0	3295.9	3347.4	3554.5	3627.3
47.5°	3143.9	3157.8	3204.2	3332.3	3364.9	3300.9	3421.4	3598.5	3633.6	3850.8	3887.2
50°	3151.5	3195.4	3255.7	3383.8	3533.2	3542.0	3690.1	3906.1	3947.5	4142.1	4115.8
52.5°	3090.0	3107.5	3231.8	3447.8	3613.5	3764.2	3982.7	4201.1	4231.3	4415.8	4317.9
55°	2989.5	3014.6	3138.9	3432.7	3691.4	3975.1	4280.2	4491.2	4525.1	4682.0	4505.0
57.5°	2899.1	2911.7	3044.8	3388.8	3769.2	4186.1	4545.2	4793.8	4816.4	4915.6	4643.1
60°	2798.7	2812.5	2945.6	3294.6	3827.0	4345.5	4821.4	5098.9	5119.0	5161.6	4803.8
62.5°	2538.8	2575.2	2742.2	3138.9	3811.9	4527.6	5116.4	5400.2	5425.3	5378.9	4930.6
65°	2061.6	2113.1	2317.8	2786.1	3671.3	4645.6	5357.5	5677.7	5720.4	5542.1	4964.5
67.5°	1600.9	1637.3	1801.7	2211.1	3177.8	4586.6	5513.2	5868.5	5881.1	5515.7	4776.2
68°	1518.0	1554.4	1711.3	2090.5	3041.0	4516.3	5509.4	5873.6	5901.2	5486.8	4703.4
70°	1161.4	1202.8	1352.2	1656.1	2450.9	4069.3	5279.7	5753.0	5749.3	5137.8	4251.4
72.5°	725.7	749.6	852.5	1044.6	1620.9	3096.2	4481.1	5073.8	5083.8	4188.6	3260.7
75°	460.8	460.8	455.8	506.0	831.2	1764.1	3331.0	3906.1	3913.6	2933.0	2055.4
77.5°	400.5	389.2	335.2	283.8	331.5	685.5	1971.2	2522.4	2481.0	1579.5	975.6
80°	337.7	318.9	275.0	228.5	213.4	214.7	757.1	1280.7	1225.4	568.8	323.9
82.5°	243.6	227.3	207.2	179.5	164.5	128.1	158.2	370.4	361.6	164.5	105.5
85°	131.8	119.3	116.8	118.0	99.2	79.1	66.5	81.6	81.6	71.6	60.3
87.5°	46.5	33.9	40.2	45.2	38.9	32.6	26.4	31.4	32.6	31.4	28.9
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°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1249.3	1261.8	1292.0	1318.3	1337.2	1353.5	1362.3	1366.1	1374.8	1376.1	1373.6
5°	1259.3	1292.0	1337.2	1376.1	1397.4	1406.2	1408.7	1410.0	1406.2	1408.7	1406.2
7.5°	1285.7	1327.1	1391.2	1425.1	1428.8	1415.0	1416.3	1411.3	1416.3	1421.3	1421.3
10°	1325.9	1378.6	1438.9	1451.4	1435.1	1427.6	1442.7	1472.8	1482.8	1496.6	1496.6
12.5°	1378.6	1441.4	1484.1	1472.8	1457.7	1482.8	1526.8	1556.9	1567.0	1572.0	1568.2
15°	1438.9	1506.7	1528.0	1490.4	1518.0	1572.0	1587.0	1569.5	1544.4	1533.1	1539.3
17.5°	1515.5	1572.0	1559.4	1534.3	1597.1	1604.6	1555.7	1499.2	1459.0	1443.9	1454.0
20°	1595.8	1644.8	1587.0	1598.3	1637.3	1556.9	1464.0	1391.2	1356.0	1349.7	1359.8
22.5°	1681.2	1712.6	1614.7	1672.4	1614.7	1451.4	1339.7	1302.0	1293.2	1303.3	1312.1
25°	1777.9	1774.1	1662.4	1695.0	1530.5	1322.1	1255.6	1253.1	1253.1	1259.3	1271.9
27.5°	1887.1	1828.1	1710.1	1664.9	1384.9	1215.4	1202.8	1204.1	1200.3	1201.6	1207.9
30°	2013.9	1900.9	1762.8	1565.7	1221.7	1135.0	1130.0	1126.2	1117.5	1114.9	1117.5
32.5°	2173.4	1977.5	1816.8	1402.5	1078.5	1052.2	1049.7	1029.6	1008.2	1005.7	1014.5
35°	2375.5	2116.9	1844.4	1197.8	960.5	959.3	950.5	919.1	891.5	891.5	885.2
37.5°	2606.6	2296.4	1855.7	998.2	862.6	868.9	843.7	803.6	782.2	769.7	773.4
40°	2842.6	2501.1	1854.5	823.7	777.2	778.5	759.6	710.7	657.9	626.5	634.1
42.5°	3069.9	2686.9	1821.8	730.7	708.1	704.4	689.3	622.8	578.8	553.7	555.0
45°	3251.9	2879.0	1771.6	675.5	645.4	651.6	617.7	577.6	537.4	514.8	513.5
47.5°	3434.0	3024.7	1691.3	641.6	598.9	587.6	573.8	546.2	516.0	490.9	492.2
50°	3599.7	3149.0	1615.9	619.0	556.2	527.3	529.9	513.5	487.2	464.6	463.3
52.5°	3716.5	3230.6	1574.5	606.4	504.7	473.4	482.1	473.4	448.2	431.9	430.7
55°	3833.3	3293.4	1588.3	590.1	448.2	423.1	438.2	435.7	421.9	416.8	418.1
57.5°	3927.4	3341.1	1637.3	560.0	394.2	379.2	404.3	396.8	386.7	388.0	388.0
60°	4019.1	3402.6	1695.0	490.9	347.8	349.0	372.9	359.1	352.8	364.1	365.4
62.5°	4114.5	3469.1	1647.3	390.5	307.6	316.4	344.0	332.7	335.2	351.6	356.6
65°	4103.2	3462.9	1342.2	320.2	272.5	290.0	331.5	327.7	329.0	335.2	337.7
67.5°	3872.2	3241.9	922.8	272.5	247.3	268.7	321.4	306.4	307.6	303.8	305.1
68°	3794.3	3164.0	813.6	264.9	242.3	263.7	316.4	302.6	303.8	300.1	298.8
70°	3370.0	2709.5	514.8	233.5	224.7	249.9	291.3	286.3	285.0	282.5	282.5
72.5°	2568.9	2000.1	271.2	202.1	204.7	228.5	259.9	269.9	263.7	264.9	272.5
75°	1701.3	1202.8	188.3	173.3	179.5	195.9	231.0	251.1	244.8	248.6	244.8
77.5°	900.2	647.9	150.7	146.9	146.9	158.2	190.8	222.2	222.2	219.7	216.0
80°	295.1	228.5	120.5	115.5	118.0	124.3	153.2	182.1	185.8	180.8	178.3
82.5°	99.2	105.5	90.4	84.1	86.6	91.7	115.5	139.4	140.6	130.6	128.1
85°	61.5	70.3	56.5	55.2	55.2	56.5	70.3	76.6	70.3	62.8	65.3
87.5°	28.9	35.2	26.4	22.6	18.8	16.3	12.6	5.0	5.0	2.5	2.5
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)