

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: P1211607

Luminaire Tested: **ARCH4-60-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211607
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: ARCH4-60-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9376 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63
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

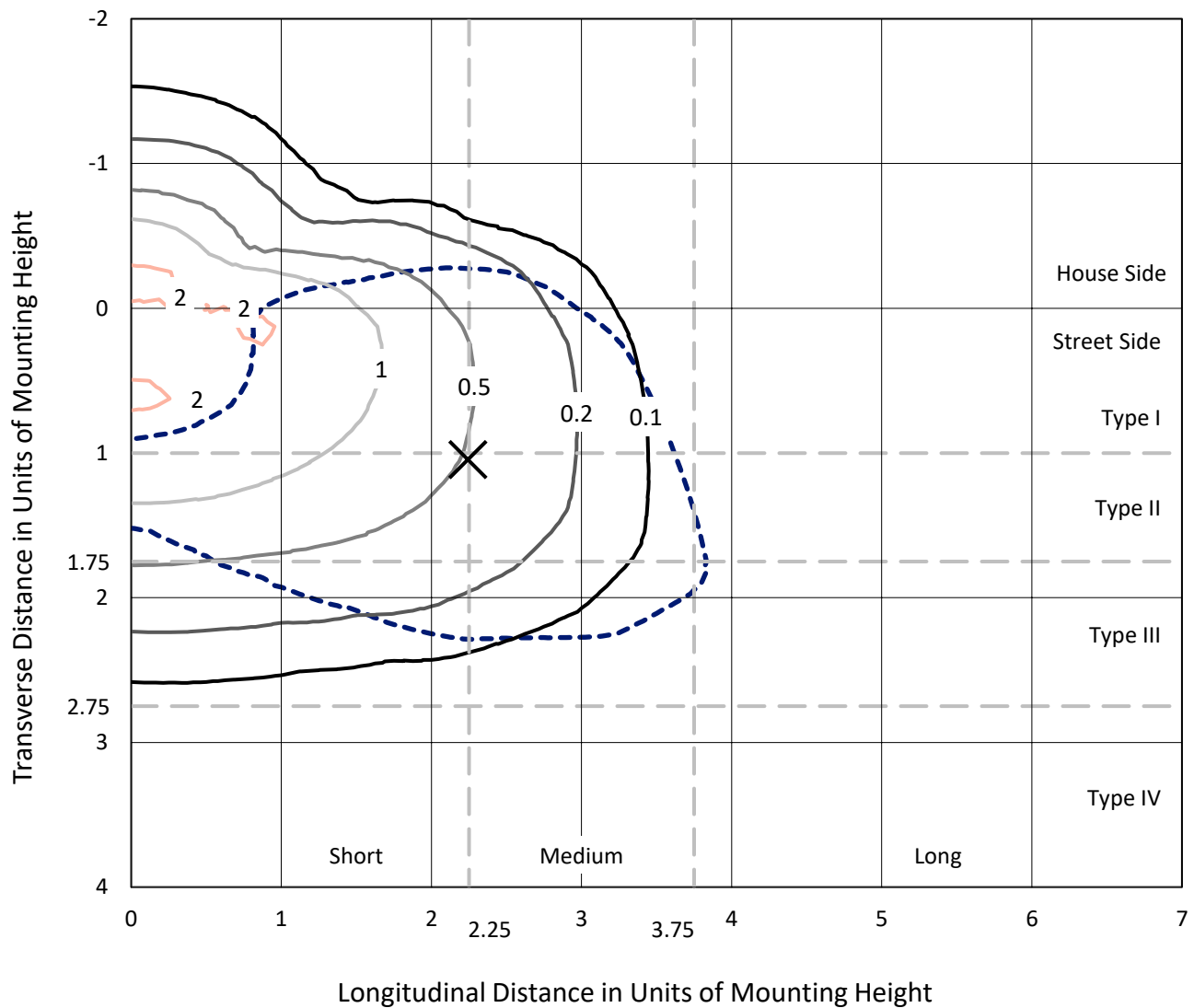


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

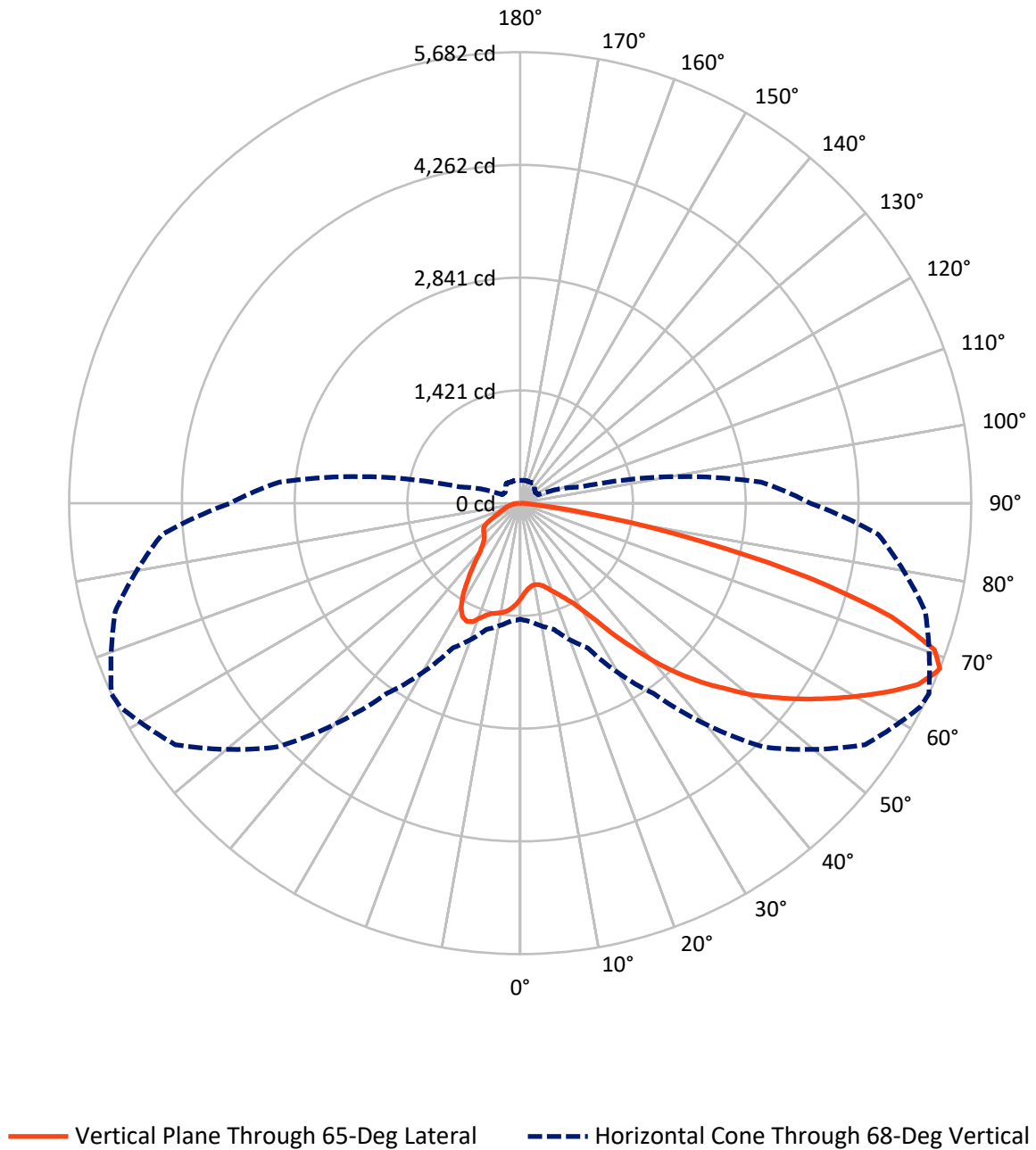


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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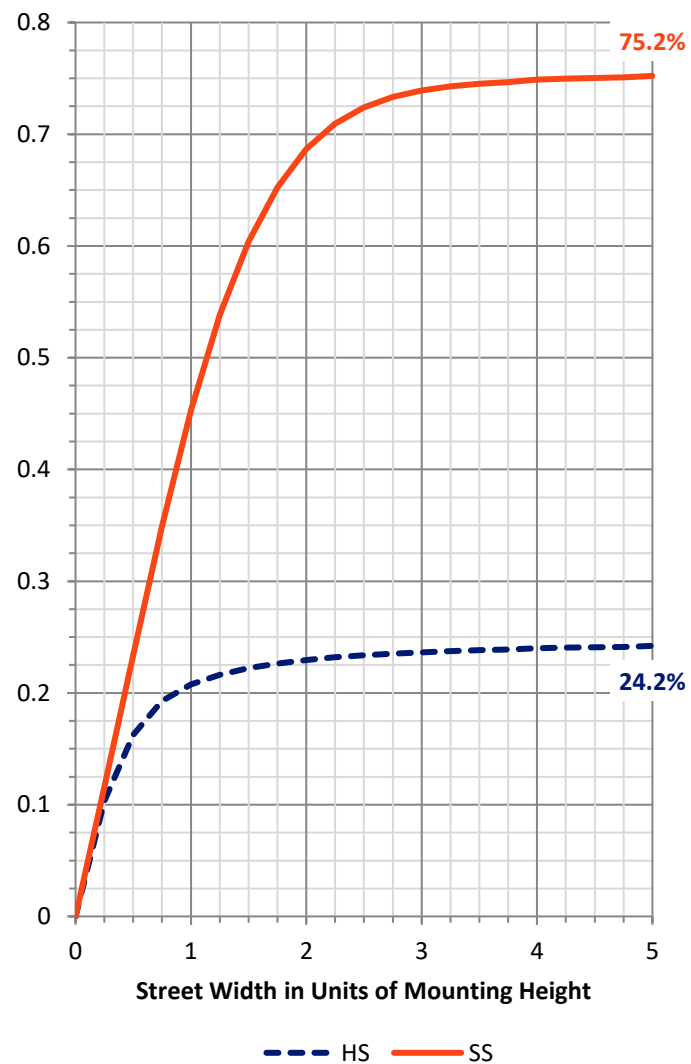
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2298.7	0.0	2298.7
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7077.3	0.0	7077.3
	% Fixture	75.5	0.0	75.5
Total	Lumens	9376.0	0.0	9376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	1.2
10°-20°	372.8	4.0
20°-30°	674.8	7.2
30°-40°	1061.5	11.3
40°-50°	1581.0	16.9
50°-60°	2074.0	22.1
60°-70°	2268.0	24.2
70°-80°	1122.3	12.0
80°-90°	107.0	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°	9376.0	100.0
0°-180°	9376.0	100.0

Coefficient of Utilization



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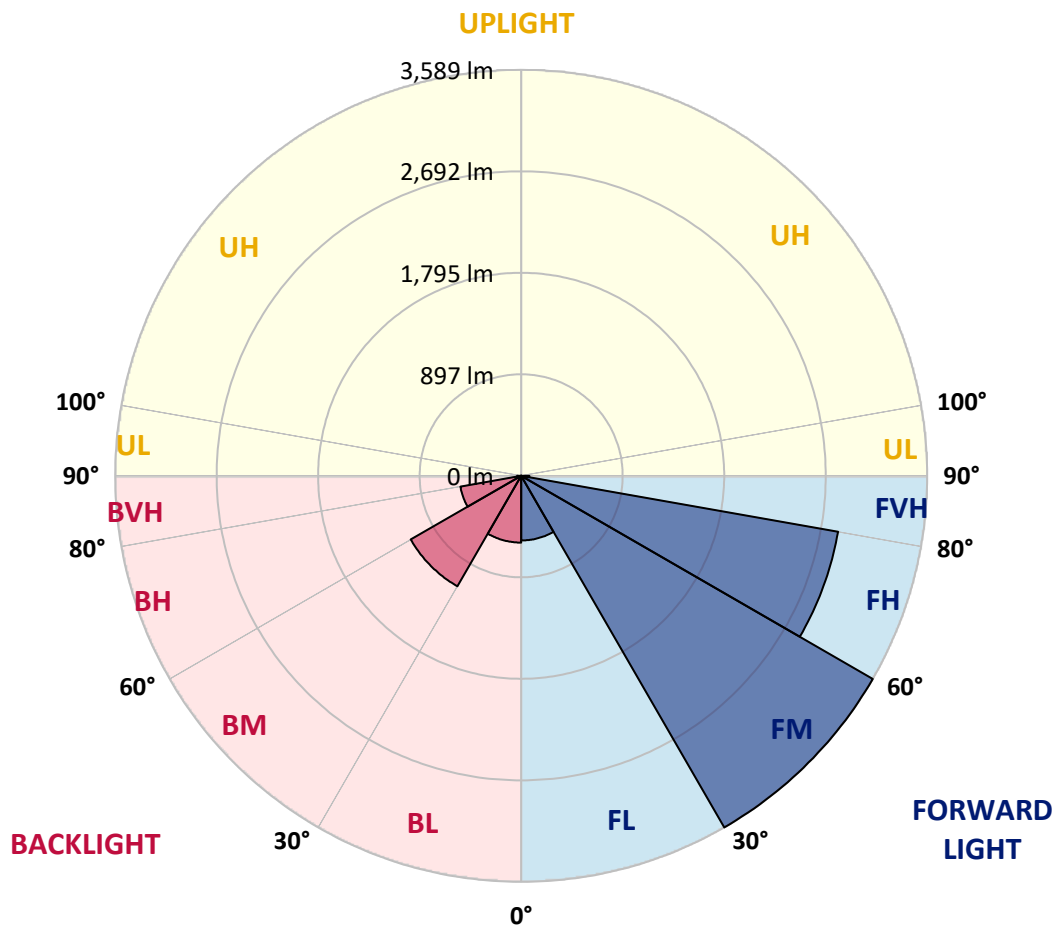
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	571.6	6.1			
FM	(30°-60°)	3589.0	38.3			
FH	(60°-80°)	2844.7	30.3			G2/5000
FVH	(80°-90°)	72.0	0.8			G1/100
BL	(0°-30°)	590.6	6.3	B2/1000		
BM	(30°-60°)	1127.5	12.0	B2/2500		
BH	(60°-80°)	545.6	5.8	B2/1000		G2/1000
BVH	(80°-90°)	35.1	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°	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1
2.5°	1045.8	1043.4	1049.4	1055.5	1068.8	1084.5	1106.3	1124.4	1126.8	1160.7	1187.3
5°	984.1	980.5	986.6	993.8	999.9	1019.2	1042.2	1068.8	1079.7	1129.2	1186.0
7.5°	990.2	989.0	991.4	989.0	989.0	997.4	1013.2	1039.8	1051.8	1111.1	1192.1
10°	1025.2	1027.7	1028.9	1021.6	1014.4	1010.7	1015.6	1033.7	1042.2	1112.3	1218.7
12.5°	1083.3	1086.9	1088.1	1074.8	1065.1	1049.4	1041.0	1048.2	1054.3	1124.4	1256.2
15°	1161.9	1164.3	1155.8	1147.4	1123.2	1103.8	1083.3	1077.2	1079.7	1149.8	1298.5
17.5°	1253.8	1250.1	1250.1	1229.6	1198.1	1167.9	1134.1	1129.2	1129.2	1190.9	1358.9
20°	1354.1	1357.7	1346.8	1319.0	1287.6	1240.5	1206.6	1184.8	1187.3	1238.0	1432.7
22.5°	1499.2	1505.2	1476.2	1436.3	1388.0	1333.5	1285.2	1250.1	1251.3	1299.7	1508.9
25°	1655.1	1657.6	1639.4	1586.2	1520.9	1443.6	1379.5	1334.8	1333.5	1368.6	1606.8
27.5°	1814.7	1825.6	1789.3	1738.6	1678.1	1581.4	1496.8	1436.3	1426.6	1473.8	1728.9
30°	1979.2	1992.5	1957.4	1907.8	1832.9	1750.7	1650.3	1580.2	1574.1	1637.0	1892.1
32.5°	2144.8	2148.4	2120.6	2079.5	2011.8	1934.4	1853.4	1776.1	1770.0	1872.8	2103.7
35°	2280.2	2291.1	2271.7	2262.1	2212.5	2141.2	2062.6	2017.9	2033.6	2165.4	2378.1
37.5°	2443.4	2454.3	2432.5	2430.1	2414.4	2352.8	2298.3	2302.0	2317.7	2496.6	2667.1
40°	2679.2	2691.3	2635.7	2611.5	2611.5	2551.0	2532.9	2618.7	2639.3	2823.1	2968.1
42.5°	2878.7	2898.0	2865.4	2849.7	2802.5	2760.2	2782.0	2902.9	2937.9	3135.0	3230.5
45°	2975.4	2989.9	3028.6	3074.5	3028.6	2954.8	3037.1	3173.7	3223.2	3422.7	3492.9
47.5°	3027.4	3040.7	3085.4	3208.7	3240.2	3178.5	3294.6	3465.1	3498.9	3708.1	3743.1
50°	3034.6	3077.0	3135.0	3258.3	3402.2	3410.6	3553.3	3761.3	3801.2	3988.6	3963.2
52.5°	2975.4	2992.3	3112.0	3320.0	3479.6	3624.6	3835.0	4045.4	4074.4	4252.1	4157.8
55°	2878.7	2902.9	3022.5	3305.5	3554.5	3827.8	4121.5	4324.7	4357.3	4508.4	4338.0
57.5°	2791.6	2803.7	2931.9	3263.1	3629.5	4030.9	4376.7	4616.0	4637.8	4733.3	4471.0
60°	2694.9	2708.2	2836.4	3172.5	3685.1	4184.4	4642.6	4909.8	4929.2	4970.3	4625.7
62.5°	2444.6	2479.7	2640.5	3022.5	3670.6	4359.7	4926.8	5200.0	5224.2	5179.4	4747.8
65°	1985.2	2034.8	2231.9	2682.8	3535.2	4473.4	5158.9	5467.2	5508.3	5336.6	4780.5
67.5°	1541.5	1576.6	1734.9	2129.1	3060.0	4416.5	5308.8	5651.0	5663.0	5311.2	4599.1
68°	1461.7	1496.8	1647.9	2013.0	2928.2	4348.8	5305.2	5655.8	5682.4	5283.4	4529.0
70°	1118.3	1158.2	1302.1	1594.7	2360.0	3918.4	5083.9	5539.7	5536.1	4947.3	4093.7
72.5°	698.8	721.8	820.9	1005.9	1560.8	2981.4	4315.0	4885.6	4895.3	4033.3	3139.8
75°	443.7	443.7	438.9	487.2	800.4	1698.7	3207.5	3761.3	3768.5	2824.3	1979.2
77.5°	385.7	374.8	322.8	273.2	319.2	660.1	1898.2	2428.9	2389.0	1520.9	939.4
80°	325.2	307.1	264.8	220.0	205.5	206.7	729.0	1233.2	1180.0	547.7	311.9
82.5°	234.5	218.8	199.5	172.9	158.4	123.3	152.3	356.7	348.2	158.4	101.6
85°	126.9	114.9	112.4	113.6	95.5	76.2	64.1	78.6	78.6	68.9	58.0
87.5°	44.7	32.6	38.7	43.5	37.5	31.4	25.4	30.2	31.4	30.2	27.8
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°	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1
2.5°	1203.0	1215.1	1244.1	1269.5	1287.6	1303.3	1311.8	1315.4	1323.9	1325.1	1322.7
5°	1212.6	1244.1	1287.6	1325.1	1345.6	1354.1	1356.5	1357.7	1354.1	1356.5	1354.1
7.5°	1238.0	1277.9	1339.6	1372.2	1375.9	1362.6	1363.8	1358.9	1363.8	1368.6	1368.6
10°	1276.7	1327.5	1385.5	1397.6	1381.9	1374.7	1389.2	1418.2	1427.9	1441.2	1441.2
12.5°	1327.5	1388.0	1429.1	1418.2	1403.7	1427.9	1470.2	1499.2	1508.9	1513.7	1510.1
15°	1385.5	1450.8	1471.4	1435.1	1461.7	1513.7	1528.2	1511.3	1487.1	1476.2	1482.3
17.5°	1459.3	1513.7	1501.6	1477.4	1537.9	1545.1	1498.0	1443.6	1404.9	1390.4	1400.0
20°	1536.7	1583.8	1528.2	1539.1	1576.6	1499.2	1409.7	1339.6	1305.7	1299.7	1309.4
22.5°	1618.9	1649.1	1554.8	1610.4	1554.8	1397.6	1290.0	1253.8	1245.3	1255.0	1263.4
25°	1712.0	1708.3	1600.7	1632.2	1473.8	1273.1	1209.0	1206.6	1206.6	1212.6	1224.7
27.5°	1817.2	1760.3	1646.7	1603.2	1333.5	1170.3	1158.2	1159.5	1155.8	1157.0	1163.1
30°	1939.3	1830.5	1697.5	1507.6	1176.4	1093.0	1088.1	1084.5	1076.0	1073.6	1076.0
32.5°	2092.8	1904.2	1749.5	1350.5	1038.5	1013.2	1010.7	991.4	970.8	968.4	976.9
35°	2287.5	2038.4	1776.1	1153.4	924.9	923.7	915.2	885.0	858.4	858.4	852.4
37.5°	2509.9	2211.3	1786.9	961.2	830.6	836.6	812.5	773.8	753.2	741.1	744.8
40°	2737.2	2408.4	1785.7	793.1	748.4	749.6	731.5	684.3	633.5	603.3	610.6
42.5°	2956.1	2587.3	1754.3	703.6	681.9	678.3	663.8	599.7	557.4	533.2	534.4
45°	3131.4	2772.3	1705.9	650.5	621.4	627.5	594.8	556.1	517.5	495.7	494.5
47.5°	3306.7	2912.5	1628.5	617.8	576.7	565.8	552.5	525.9	496.9	472.7	473.9
50°	3466.3	3032.2	1556.0	596.0	535.6	507.8	510.2	494.5	469.1	447.3	446.1
52.5°	3578.7	3110.8	1516.1	584.0	486.0	455.8	464.3	455.8	431.6	415.9	414.7
55°	3691.1	3171.3	1529.4	568.2	431.6	407.4	421.9	419.5	406.2	401.4	402.6
57.5°	3781.8	3217.2	1576.6	539.2	379.6	365.1	389.3	382.1	372.4	373.6	373.6
60°	3870.1	3276.4	1632.2	472.7	334.9	336.1	359.1	345.8	339.7	350.6	351.8
62.5°	3962.0	3340.5	1586.2	376.0	296.2	304.7	331.3	320.4	322.8	338.5	343.4
65°	3951.1	3334.5	1292.4	308.3	262.4	279.3	319.2	315.6	316.8	322.8	325.2
67.5°	3728.6	3121.7	888.6	262.4	238.2	258.7	309.5	295.0	296.2	292.6	293.8
68°	3653.7	3046.7	783.4	255.1	233.3	253.9	304.7	291.4	292.6	289.0	287.7
70°	3245.0	2609.1	495.7	224.9	216.4	240.6	280.5	275.7	274.4	272.0	272.0
72.5°	2473.7	1926.0	261.1	194.7	197.1	220.0	250.3	259.9	253.9	255.1	262.4
75°	1638.2	1158.2	181.4	166.8	172.9	188.6	222.5	241.8	235.8	239.4	235.8
77.5°	866.9	623.9	145.1	141.5	141.5	152.3	183.8	214.0	214.0	211.6	208.0
80°	284.1	220.0	116.1	111.2	113.6	119.7	147.5	175.3	178.9	174.1	171.7
82.5°	95.5	101.6	87.0	81.0	83.4	88.3	111.2	134.2	135.4	125.7	123.3
85°	59.2	67.7	54.4	53.2	53.2	54.4	67.7	73.8	67.7	60.5	62.9
87.5°	27.8	33.9	25.4	21.8	18.1	15.7	12.1	4.8	4.8	2.4	2.4
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)