

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: P1210229

Luminaire Tested: **ARCH2-60-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210229
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: ARCH2-60-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7941 lumens
Efficiency: N/A
Efficacy: 124.5 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

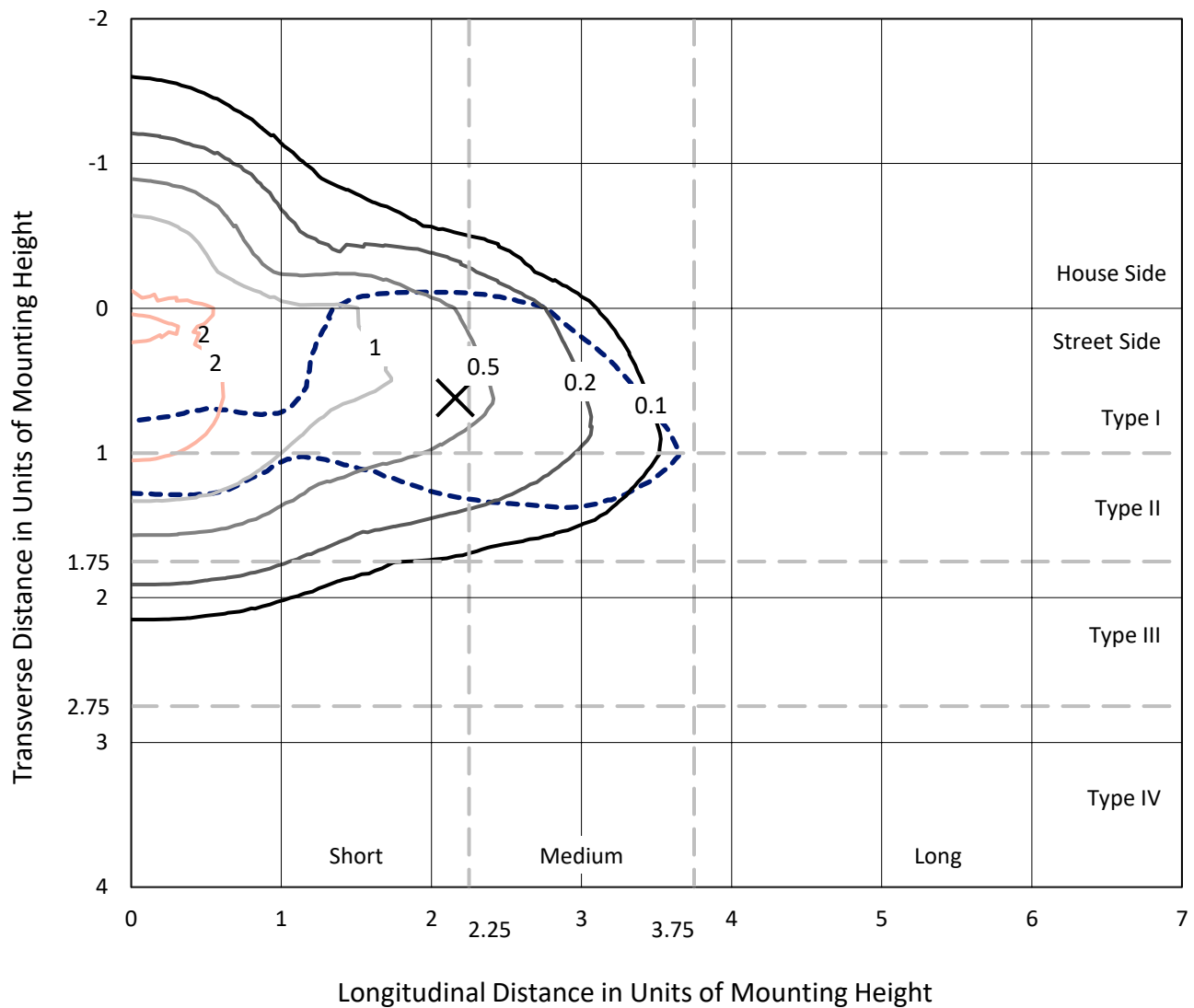


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Iso-Footcandle Lines of Horizontal Illumination

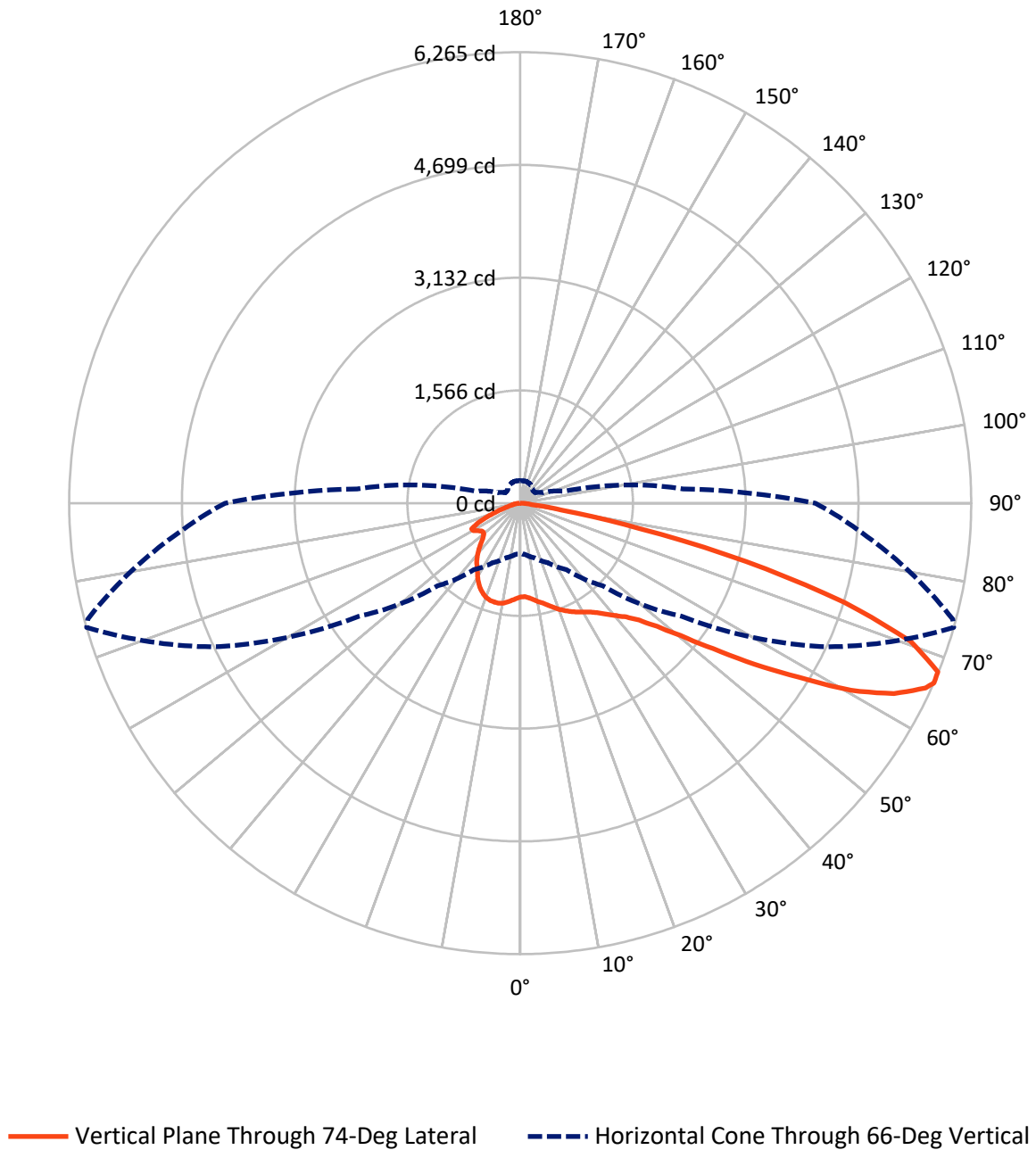
× Max cd
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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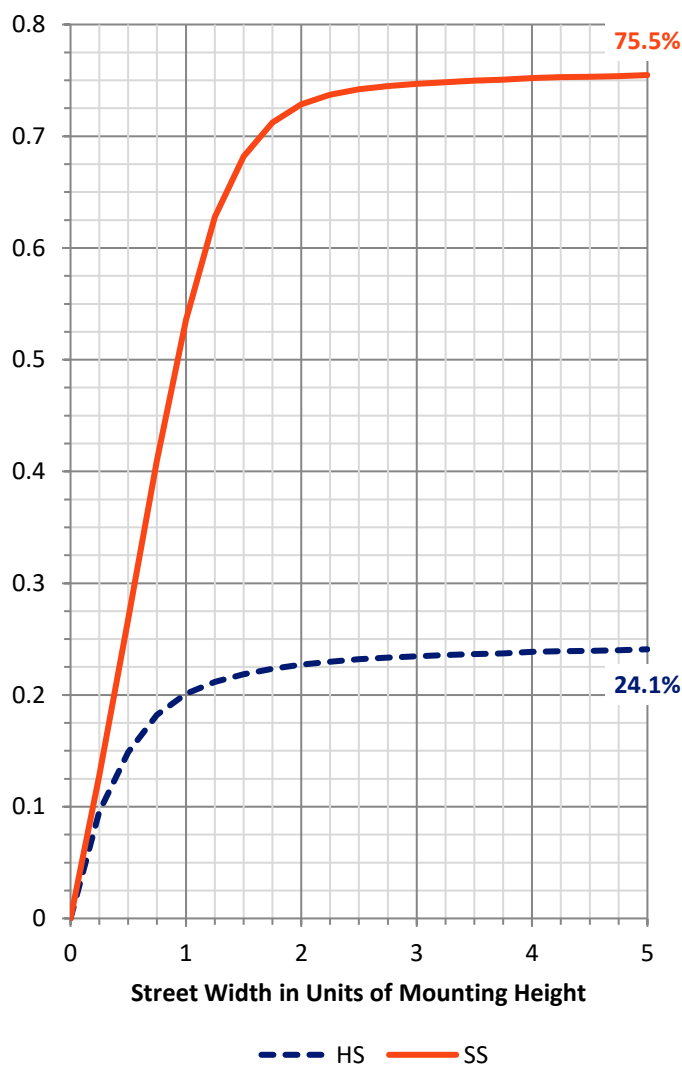
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1933.8	0.0	1933.8
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	6007.1	0.0	6007.1
	% Fixture	75.6	0.0	75.6
Total	Lumens	7941.0	0.0	7941.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	1.6
10°-20°	381.9	4.8
20°-30°	716.6	9.0
30°-40°	1102.3	13.9
40°-50°	1482.7	18.7
50°-60°	1753.4	22.1
60°-70°	1622.0	20.4
70°-80°	682.4	8.6
80°-90°	75.5	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°	7941.0	100.0
0°-180°	7941.0	100.0

Coefficient of Utilization



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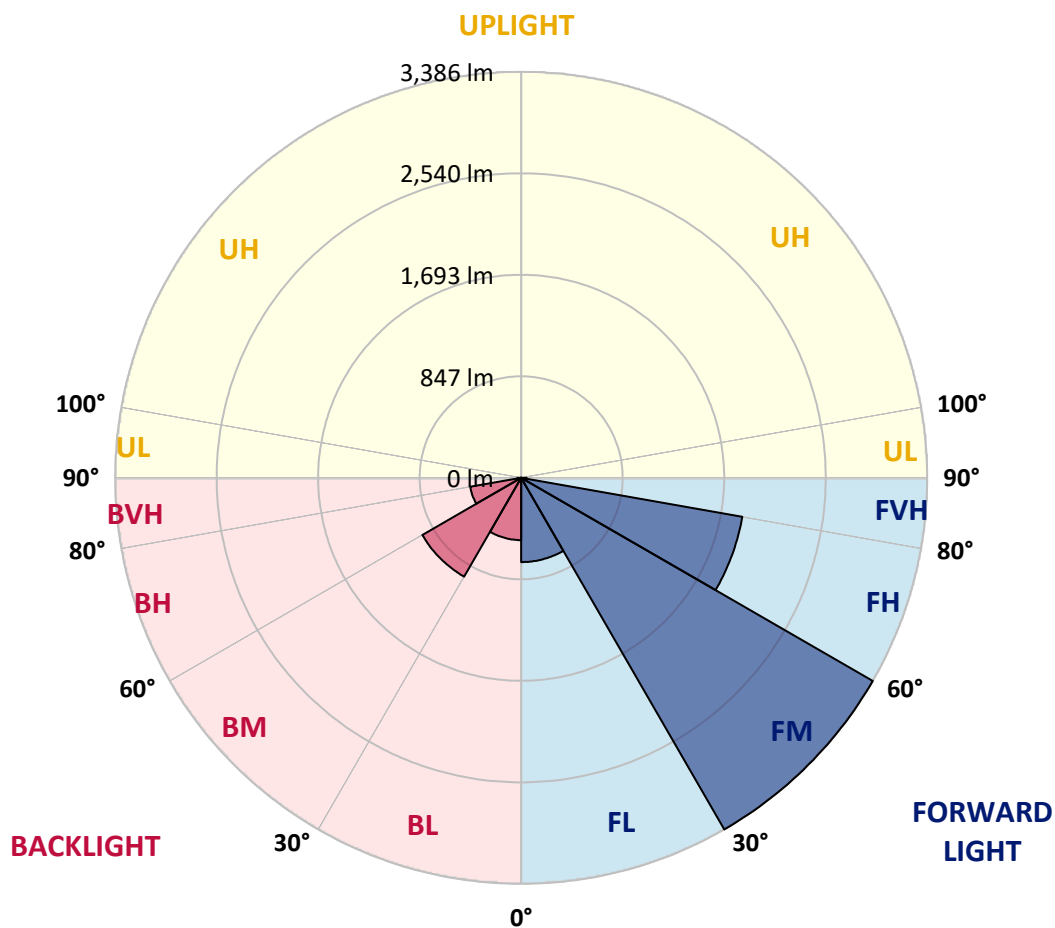
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	702.9	8.9			
FM	(30°-60°)	3386.4	42.6			
FH	(60°-80°)	1872.7	23.6			G2/5000
FVH	(80°-90°)	45.2	0.6			G1/100
BL	(0°-30°)	519.8	6.5	B2/1000		
BM	(30°-60°)	952.0	12.0	B1/1000		
BH	(60°-80°)	431.7	5.4	B1/500		G1/500
BVH	(80°-90°)	30.3	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8
2.5°	1297.7	1295.7	1299.8	1305.9	1308.9	1303.8	1301.8	1300.8	1300.8	1297.7	1302.8
5°	1236.4	1235.4	1244.6	1255.8	1277.3	1292.6	1313.0	1325.3	1321.2	1315.1	1319.2
7.5°	1156.7	1154.7	1165.9	1187.4	1217.0	1250.7	1300.8	1339.6	1354.9	1352.9	1351.9
10°	1187.4	1185.3	1184.3	1178.2	1188.4	1221.1	1273.2	1341.6	1393.8	1394.8	1395.8
12.5°	1293.6	1298.7	1293.6	1274.2	1251.7	1239.5	1270.1	1346.8	1426.5	1432.6	1458.1
15°	1438.7	1433.6	1423.4	1400.9	1366.2	1329.4	1306.9	1370.3	1473.5	1478.6	1534.8
17.5°	1566.4	1570.5	1564.4	1542.9	1502.1	1454.0	1385.6	1411.1	1523.5	1537.8	1616.5
20°	1705.4	1721.8	1713.6	1687.0	1653.3	1581.8	1495.9	1470.4	1578.7	1588.9	1701.3
22.5°	1865.8	1883.2	1867.9	1842.3	1814.7	1726.9	1616.5	1542.9	1624.7	1646.1	1783.1
25°	2057.9	2074.3	2060.0	2020.1	1985.4	1878.1	1746.3	1624.7	1669.6	1693.1	1849.5
27.5°	2210.2	2222.5	2235.7	2212.2	2159.1	2047.7	1881.2	1709.5	1714.6	1739.1	1910.8
30°	2346.1	2376.7	2388.0	2391.1	2346.1	2221.4	2019.1	1797.4	1753.4	1779.0	1972.1
32.5°	2532.1	2578.0	2559.6	2578.0	2551.5	2384.9	2162.2	1888.3	1803.5	1827.0	2030.3
35°	2803.9	2840.6	2792.6	2778.3	2735.4	2550.5	2300.1	1982.3	1869.9	1895.5	2085.5
37.5°	3096.1	3138.0	3068.5	3011.3	2929.5	2713.9	2418.6	2106.0	1961.9	1982.3	2136.6
40°	3351.6	3386.3	3326.0	3250.4	3113.5	2858.0	2520.8	2192.8	2053.9	2079.4	2195.9
42.5°	3587.6	3610.1	3542.6	3470.1	3287.2	2987.8	2631.2	2284.8	2161.1	2185.7	2243.9
45°	3826.7	3844.1	3750.1	3646.9	3432.3	3106.3	2752.8	2413.5	2318.5	2351.2	2321.6
47.5°	3869.6	3874.7	3858.4	3788.9	3546.7	3219.7	2903.0	2586.2	2558.6	2594.4	2455.4
50°	3572.3	3618.3	3719.4	3787.9	3592.7	3314.8	3053.2	2833.5	2889.7	2935.7	2733.4
52.5°	2994.9	3038.9	3272.9	3532.4	3482.3	3336.2	3214.6	3147.2	3356.7	3411.8	3111.4
55°	2385.9	2424.8	2672.0	3046.0	3125.7	3238.1	3387.3	3547.7	3952.4	3989.2	3526.3
57.5°	1965.0	1986.4	2163.2	2522.9	2650.6	2924.4	3480.3	4023.9	4558.3	4614.5	3887.0
60°	1611.4	1634.9	1766.7	2063.0	2232.7	2475.9	3406.7	4493.9	5281.8	5281.8	4349.9
62.5°	1212.9	1233.3	1356.0	1587.9	1873.0	2095.7	3171.7	4805.6	5827.4	5802.9	4685.0
65°	832.8	849.1	938.0	1092.3	1348.8	1786.1	2850.9	4809.7	6189.1	6156.4	4828.1
66°	698.9	713.2	788.8	913.5	1129.1	1620.6	2737.4	4722.8	6264.8	6218.8	4767.8
67.5°	551.8	562.0	612.1	685.6	827.7	1312.0	2558.6	4476.6	6257.6	6230.0	4614.5
70°	394.4	401.6	438.4	453.7	489.4	759.2	2032.4	3920.7	5755.9	5764.1	4011.7
72.5°	305.5	316.8	339.2	342.3	334.1	403.6	1233.3	3270.8	4708.5	4705.5	2977.6
75°	246.3	252.4	263.6	269.8	267.7	260.6	522.1	2440.1	3241.2	3279.0	1667.6
77.5°	194.1	193.1	203.3	211.5	217.6	204.4	239.1	1430.5	1699.3	1651.3	626.4
80°	143.1	143.1	157.4	160.4	169.6	171.7	159.4	551.8	583.5	530.3	162.5
82.5°	94.0	94.0	109.3	111.4	120.6	133.9	115.5	165.5	161.4	153.3	73.6
85°	51.1	49.0	54.2	61.3	66.4	78.7	69.5	82.8	84.8	83.8	49.0
87.5°	10.2	9.2	14.3	16.3	18.4	24.5	22.5	33.7	47.0	46.0	21.5
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°	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8
2.5°	1310.0	1308.9	1320.2	1333.5	1348.8	1358.0	1362.1	1369.2	1364.1	1366.2	1372.3
5°	1329.4	1332.4	1348.8	1366.2	1373.3	1368.2	1357.0	1352.9	1343.7	1341.6	1339.6
7.5°	1358.0	1363.1	1379.5	1383.5	1362.1	1326.3	1300.8	1286.5	1271.1	1267.1	1265.0
10°	1405.0	1408.1	1412.2	1370.3	1317.1	1269.1	1237.4	1224.1	1213.9	1205.7	1207.8
12.5°	1464.3	1462.2	1430.5	1343.7	1268.1	1219.0	1197.6	1189.4	1182.2	1177.1	1176.1
15°	1538.9	1524.5	1433.6	1306.9	1222.1	1181.2	1165.9	1162.8	1154.7	1154.7	1153.6
17.5°	1614.5	1577.7	1431.6	1268.1	1178.2	1155.7	1146.5	1144.4	1142.4	1141.4	1144.4
20°	1690.1	1624.7	1415.2	1220.0	1147.5	1134.2	1132.2	1133.2	1131.2	1134.2	1132.2
22.5°	1756.5	1655.3	1384.6	1169.0	1126.0	1125.0	1119.9	1122.0	1129.1	1130.1	1133.2
25°	1807.6	1666.6	1339.6	1122.0	1110.7	1108.7	1114.8	1123.0	1129.1	1130.1	1135.2
27.5°	1849.5	1660.5	1283.4	1085.2	1084.1	1095.4	1113.8	1116.8	1117.9	1117.9	1113.8
30°	1881.2	1647.2	1211.9	1044.3	1049.4	1077.0	1094.4	1094.4	1086.2	1084.1	1090.3
32.5°	1888.3	1629.8	1134.2	1002.4	1010.6	1043.3	1064.7	1057.6	1048.4	1048.4	1052.5
35°	1894.4	1606.3	1071.9	945.2	957.4	996.3	1016.7	1002.4	992.2	989.1	988.1
37.5°	1892.4	1597.1	1015.7	872.6	889.0	926.8	940.1	926.8	911.5	904.3	913.5
40°	1894.4	1591.0	945.2	792.9	809.3	831.8	849.1	838.9	824.6	806.2	815.4
42.5°	1906.7	1599.1	867.5	715.3	715.3	727.5	757.2	750.0	715.3	708.1	716.3
45°	1972.1	1643.1	789.9	637.6	626.4	634.5	665.2	634.5	613.1	613.1	620.2
47.5°	2130.5	1724.8	721.4	569.2	542.6	558.9	567.1	538.5	522.1	518.1	525.2
50°	2453.4	1888.3	680.5	513.0	480.3	492.5	487.4	486.4	470.0	472.1	476.2
52.5°	2943.9	2207.1	668.3	485.4	444.5	447.6	442.4	444.5	441.4	451.6	454.7
55°	3478.3	2543.3	683.6	489.4	420.0	398.5	400.6	410.8	423.0	439.4	442.4
57.5°	3877.8	2711.9	723.4	517.0	389.3	356.6	361.7	381.1	404.6	417.9	425.1
60°	4175.1	2691.5	781.7	524.2	352.5	318.8	328.0	356.6	377.1	388.3	395.4
62.5°	4272.2	2563.7	796.0	472.1	304.5	283.0	305.5	335.2	344.4	356.6	361.7
65°	4192.5	2382.9	691.8	383.2	267.7	256.5	289.2	311.7	323.9	330.0	331.1
66°	4098.5	2274.6	635.6	348.4	254.4	248.3	283.0	301.4	313.7	312.7	313.7
67.5°	3892.1	2047.7	544.6	299.4	235.0	236.0	272.8	285.1	289.2	286.1	286.1
70°	3190.1	1441.8	390.3	226.8	206.4	220.7	245.2	248.3	257.5	253.4	253.4
72.5°	1967.0	708.1	261.6	173.7	183.9	206.4	205.4	215.6	237.1	243.2	247.3
75°	966.6	287.1	172.7	147.1	164.5	172.7	170.6	196.2	226.8	253.4	262.6
77.5°	366.8	143.1	120.6	128.7	132.8	129.8	135.9	177.8	226.8	274.9	284.1
80°	113.4	99.1	95.0	106.3	100.1	95.0	102.2	147.1	192.1	208.5	208.5
82.5°	68.5	77.7	73.6	72.5	67.4	68.5	73.6	105.2	148.2	155.3	155.3
85°	48.0	51.1	41.9	39.9	38.8	37.8	37.8	61.3	87.9	86.9	89.9
87.5°	18.4	20.4	15.3	15.3	14.3	10.2	8.2	10.2	10.2	7.2	5.1
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)