

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: P1210271

Luminaire Tested: **ARCH2-70-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210271
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: ARCH2-70-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 555mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10079 lumens
Efficiency: N/A
Efficacy: 136.9 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): 73.6
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



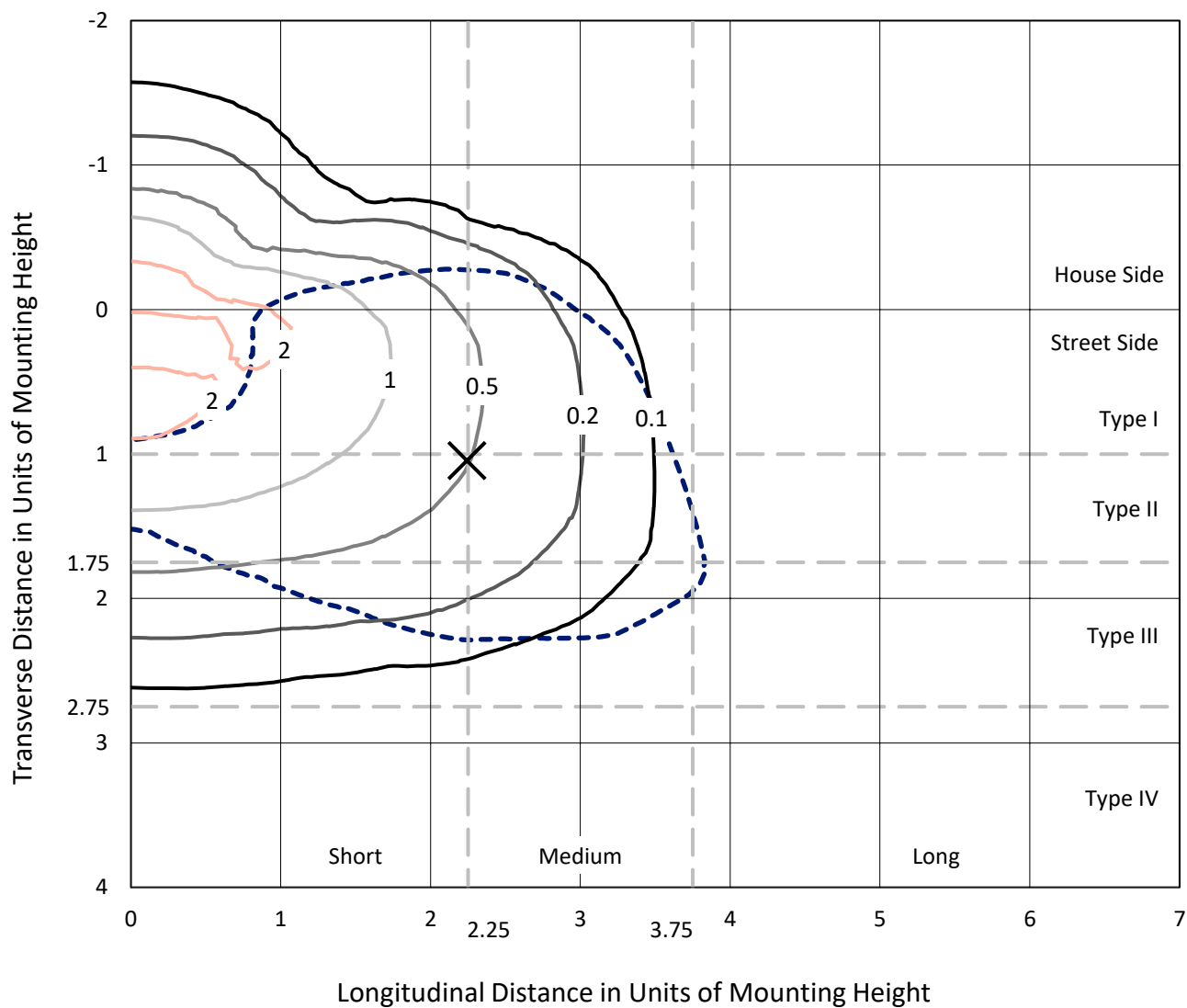
REPORT NUMBER: P1210271

CATALOG NUMBER: ARCH2-70-730-U-T3RE

Iso-Footcandle Lines of Horizontal Illumination

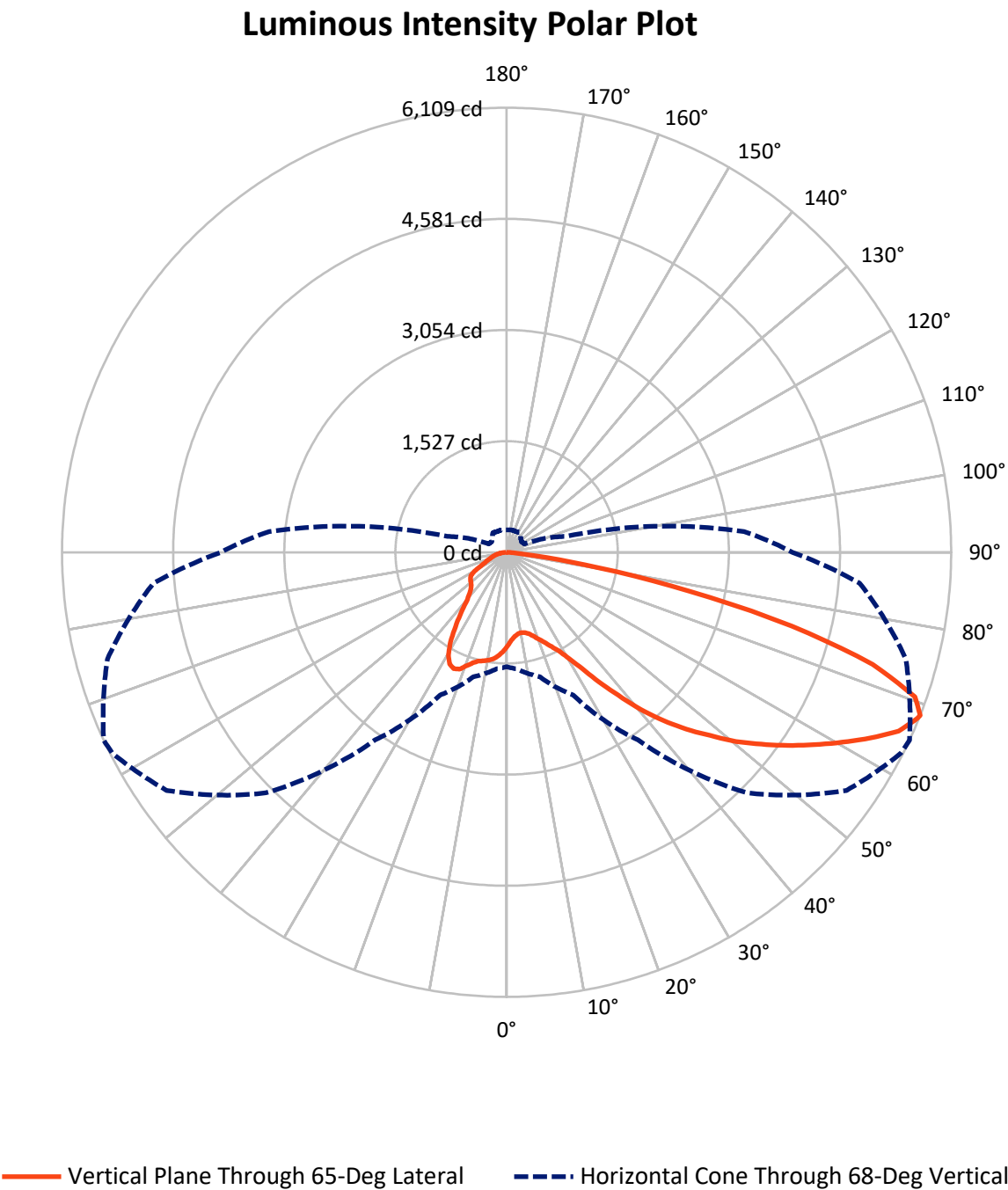
✕ Max cd

--- 1/2 Max cd



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

REPORT NUMBER: P1210271
CATALOG NUMBER: ARCH2-70-730-U-T3RE



REPORT NUMBER: P1210271

CATALOG NUMBER: ARCH2-70-730-U-T3RE

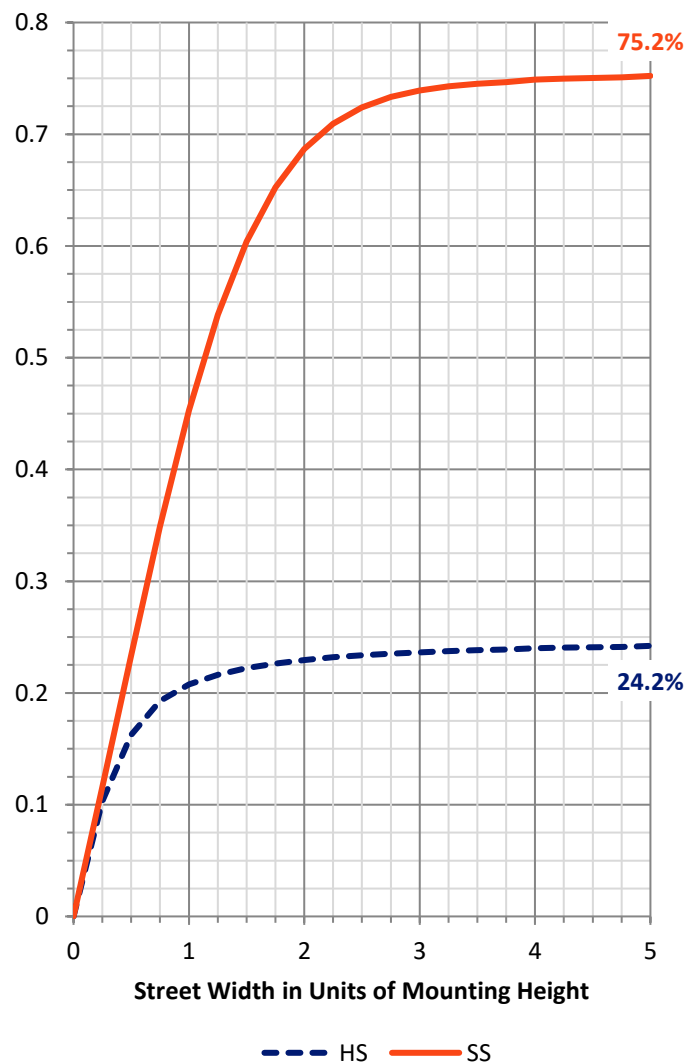
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2471.1	0.0	2471.1
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7607.9	0.0	7607.9
	% Fixture	75.5	0.0	75.5
Total	Lumens	10079.0	0.0	10079.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	1.2
10°-20°	400.8	4.0
20°-30°	725.4	7.2
30°-40°	1141.1	11.3
40°-50°	1699.6	16.9
50°-60°	2229.5	22.1
60°-70°	2438.1	24.2
70°-80°	1206.4	12.0
80°-90°	115.1	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°	10079.0	100.0
0°-180°	10079.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210271

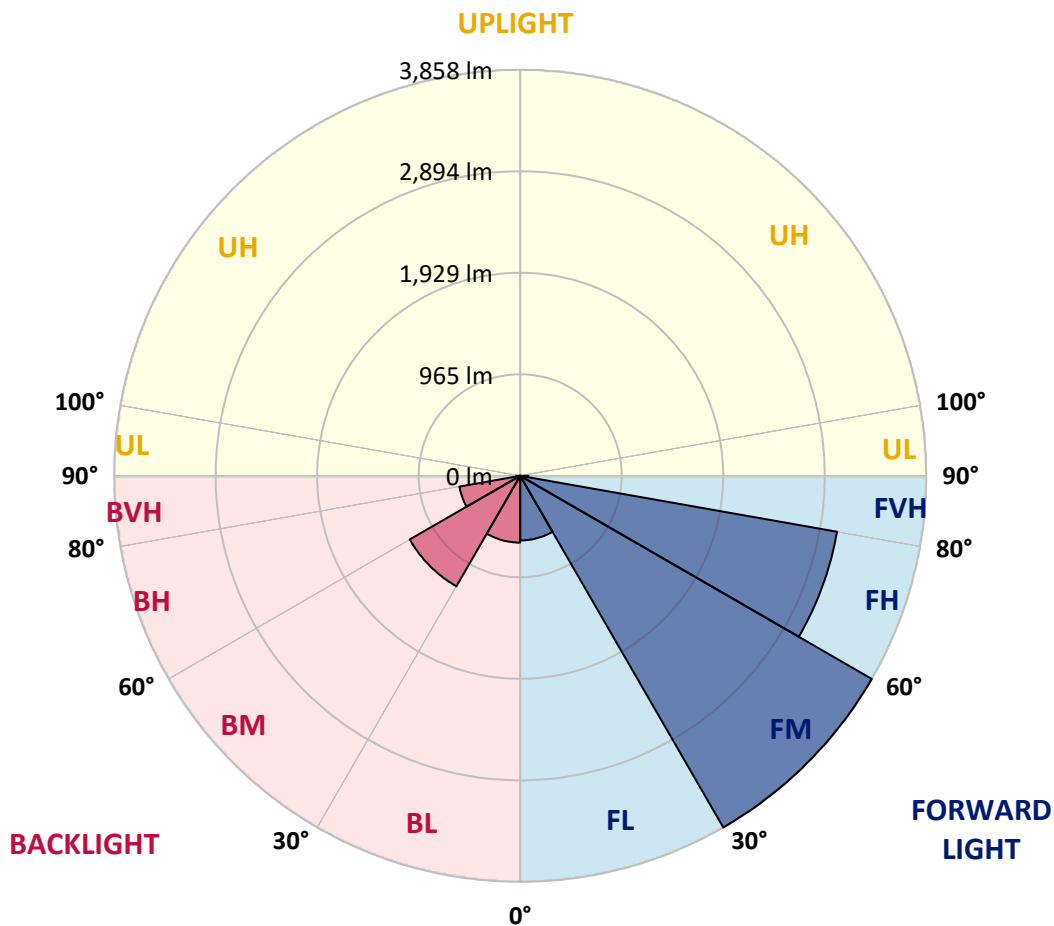
CATALOG NUMBER: ARCH2-70-730-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	614.4	6.1			
FM	(30°-60°)	3858.1	38.3			
FH	(60°-80°)	3058.0	30.3			G2/5000
FVH	(80°-90°)	77.4	0.8			G1/100
BL	(0°-30°)	634.8	6.3	B2/1000		
BM	(30°-60°)	1212.0	12.0	B2/2500		
BH	(60°-80°)	586.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	37.7	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 III Short



REPORT NUMBER: P1210271

CATALOG NUMBER: ARCH2-70-730-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0
2.5°	1124.2	1121.6	1128.1	1134.6	1148.9	1165.8	1189.2	1208.7	1211.3	1247.7	1276.3
5°	1057.9	1054.0	1060.5	1068.3	1074.8	1095.6	1120.3	1148.9	1160.6	1213.9	1275.0
7.5°	1064.4	1063.1	1065.7	1063.1	1063.1	1072.2	1089.1	1117.7	1130.7	1194.4	1281.5
10°	1102.1	1104.7	1106.0	1098.2	1090.4	1086.5	1091.7	1111.2	1120.3	1195.7	1310.1
12.5°	1164.5	1168.4	1169.7	1155.4	1145.0	1128.1	1119.0	1126.8	1133.3	1208.7	1350.4
15°	1249.0	1251.6	1242.5	1233.4	1207.4	1186.6	1164.5	1158.0	1160.6	1236.0	1395.8
17.5°	1347.8	1343.9	1343.9	1321.8	1288.0	1255.5	1219.1	1213.9	1213.9	1280.2	1460.8
20°	1455.6	1459.5	1447.8	1417.9	1384.1	1333.5	1297.1	1273.7	1276.3	1330.9	1540.1
22.5°	1611.6	1618.1	1586.9	1544.0	1492.0	1433.5	1381.5	1343.9	1345.2	1397.1	1622.0
25°	1779.2	1781.8	1762.4	1705.2	1635.0	1551.8	1482.9	1434.8	1433.5	1471.2	1727.3
27.5°	1950.8	1962.5	1923.5	1868.9	1803.9	1700.0	1609.0	1544.0	1533.6	1584.3	1858.5
30°	2127.6	2141.9	2104.2	2050.9	1970.3	1881.9	1774.1	1698.7	1692.2	1759.8	2034.0
32.5°	2305.6	2309.5	2279.6	2235.4	2162.7	2079.5	1992.4	1909.2	1902.7	2013.2	2261.4
35°	2451.2	2462.9	2442.1	2431.7	2378.4	2301.7	2217.2	2169.2	2186.0	2327.7	2556.5
37.5°	2626.6	2638.3	2614.9	2612.3	2595.4	2529.2	2470.7	2474.6	2491.5	2683.8	2867.1
40°	2880.1	2893.1	2833.3	2807.3	2807.3	2742.3	2722.8	2815.1	2837.2	3034.7	3190.7
42.5°	3094.5	3115.3	3080.2	3063.3	3012.6	2967.1	2990.5	3120.5	3158.2	3370.0	3472.7
45°	3198.5	3214.1	3255.7	3305.1	3255.7	3176.4	3264.8	3411.6	3464.9	3679.4	3754.7
47.5°	3254.4	3268.7	3316.8	3449.3	3483.1	3416.8	3541.6	3724.9	3761.2	3986.1	4023.8
50°	3262.2	3307.7	3370.0	3502.6	3657.3	3666.4	3819.7	4043.3	4086.2	4287.6	4260.3
52.5°	3198.5	3216.7	3345.4	3568.9	3740.5	3896.4	4122.6	4348.7	4379.9	4570.9	4469.6
55°	3094.5	3120.5	3249.2	3553.3	3821.0	4114.8	4430.6	4648.9	4684.0	4846.5	4663.2
57.5°	3000.9	3013.9	3151.7	3507.8	3901.6	4333.1	4704.8	4962.1	4985.5	5088.2	4806.2
60°	2897.0	2911.3	3049.0	3410.3	3961.4	4498.2	4990.7	5278.0	5298.8	5342.9	4972.5
62.5°	2627.9	2665.6	2838.5	3249.2	3945.8	4686.6	5296.2	5589.9	5615.9	5567.8	5103.8
65°	2134.1	2187.3	2399.2	2884.0	3800.2	4808.8	5545.7	5877.1	5921.3	5736.7	5138.9
67.5°	1657.1	1694.8	1865.0	2288.7	3289.5	4747.7	5706.9	6074.7	6087.7	5709.5	4943.9
68°	1571.3	1609.0	1771.5	2164.0	3147.8	4674.9	5703.0	6079.9	6108.5	5679.6	4868.6
70°	1202.2	1245.1	1399.7	1714.3	2537.0	4212.2	5465.1	5955.1	5951.2	5318.3	4400.7
72.5°	751.2	775.9	882.5	1081.3	1677.9	3205.0	4638.5	5252.0	5262.4	4335.7	3375.2
75°	477.0	477.0	471.8	523.8	860.4	1826.0	3448.0	4043.3	4051.1	3036.0	2127.6
77.5°	414.6	402.9	347.0	293.7	343.1	709.6	2040.5	2611.0	2568.1	1635.0	1009.8
80°	349.6	330.1	284.6	236.5	220.9	222.2	783.7	1325.7	1268.5	588.8	335.3
82.5°	252.1	235.2	214.4	185.9	170.3	132.6	163.8	383.4	374.3	170.3	109.2
85°	136.5	123.5	120.9	122.2	102.7	81.9	68.9	84.5	84.5	74.1	62.4
87.5°	48.1	35.1	41.6	46.8	40.3	33.8	27.3	32.5	33.8	32.5	29.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1210271

CATALOG NUMBER: ARCH2-70-730-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0
2.5°	1293.2	1306.2	1337.4	1364.7	1384.1	1401.0	1410.1	1414.0	1423.1	1424.4	1421.8
5°	1303.6	1337.4	1384.1	1424.4	1446.5	1455.6	1458.2	1459.5	1455.6	1458.2	1455.6
7.5°	1330.9	1373.8	1440.0	1475.1	1479.0	1464.7	1466.0	1460.8	1466.0	1471.2	1471.2
10°	1372.5	1427.0	1489.4	1502.4	1485.5	1477.7	1493.3	1524.5	1534.9	1549.2	1549.2
12.5°	1427.0	1492.0	1536.2	1524.5	1508.9	1534.9	1580.4	1611.6	1622.0	1627.2	1623.3
15°	1489.4	1559.6	1581.7	1542.7	1571.3	1627.2	1642.8	1624.6	1598.6	1586.9	1593.4
17.5°	1568.7	1627.2	1614.2	1588.2	1653.2	1661.0	1610.3	1551.8	1510.2	1494.6	1505.0
20°	1651.9	1702.6	1642.8	1654.5	1694.8	1611.6	1515.4	1440.0	1403.6	1397.1	1407.5
22.5°	1740.3	1772.8	1671.4	1731.2	1671.4	1502.4	1386.7	1347.8	1338.7	1349.1	1358.2
25°	1840.3	1836.4	1720.8	1754.6	1584.3	1368.6	1299.7	1297.1	1297.1	1303.6	1316.6
27.5°	1953.4	1892.3	1770.2	1723.4	1433.5	1258.1	1245.1	1246.4	1242.5	1243.8	1250.3
30°	2084.7	1967.7	1824.7	1620.7	1264.6	1174.9	1169.7	1165.8	1156.7	1154.1	1156.7
32.5°	2249.7	2047.0	1880.6	1451.7	1116.4	1089.1	1086.5	1065.7	1043.6	1041.0	1050.1
35°	2459.0	2191.2	1909.2	1239.9	994.2	992.9	983.9	951.4	922.8	922.8	916.3
37.5°	2698.1	2377.1	1920.9	1033.2	892.9	899.4	873.4	831.8	809.7	796.7	800.6
40°	2942.5	2588.9	1919.6	852.6	804.5	805.8	786.3	735.6	681.0	648.5	656.3
42.5°	3177.7	2781.3	1885.8	756.4	733.0	729.1	713.5	644.6	599.1	573.2	574.5
45°	3366.1	2980.1	1833.8	699.2	668.0	674.5	639.4	597.8	556.3	532.9	531.6
47.5°	3554.6	3130.9	1750.7	664.1	619.9	608.2	593.9	565.4	534.2	508.2	509.5
50°	3726.2	3259.6	1672.7	640.7	575.8	545.9	548.5	531.6	504.3	480.9	479.6
52.5°	3847.0	3344.1	1629.8	627.7	522.5	490.0	499.1	490.0	464.0	447.1	445.8
55°	3967.9	3409.0	1644.1	610.8	464.0	438.0	453.6	451.0	436.7	431.5	432.8
57.5°	4065.4	3458.4	1694.8	579.7	408.1	392.5	418.5	410.7	400.3	401.6	401.6
60°	4160.2	3522.1	1754.6	508.2	360.0	361.3	386.0	371.7	365.2	376.9	378.2
62.5°	4259.0	3591.0	1705.2	404.2	318.4	327.5	356.1	344.4	347.0	363.9	369.1
65°	4247.3	3584.5	1389.3	331.4	282.0	300.2	343.1	339.2	340.5	347.0	349.6
67.5°	4008.2	3355.7	955.3	282.0	256.0	278.1	332.7	317.1	318.4	314.5	315.8
68°	3927.6	3275.2	842.2	274.2	250.8	272.9	327.5	313.2	314.5	310.6	309.3
70°	3488.3	2804.7	532.9	241.7	232.6	258.6	301.5	296.3	295.0	292.4	292.4
72.5°	2659.1	2070.4	280.7	209.2	211.8	236.5	269.0	279.4	272.9	274.2	282.0
75°	1761.1	1245.1	195.0	179.4	185.9	202.7	239.1	259.9	253.4	257.3	253.4
77.5°	931.9	670.6	156.0	152.1	152.1	163.8	197.5	230.0	230.0	227.4	223.5
80°	305.4	236.5	124.8	119.6	122.2	128.7	158.6	188.5	192.4	187.2	184.6
82.5°	102.7	109.2	93.6	87.1	89.7	94.9	119.6	144.3	145.6	135.2	132.6
85°	63.7	72.8	58.5	57.2	57.2	58.5	72.8	79.3	72.8	65.0	67.6
87.5°	29.9	36.4	27.3	23.4	19.5	16.9	13.0	5.2	5.2	2.6	2.6
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)