

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: P1211615

Luminaire Tested: **ARCH4-60-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211615
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: ARCH4-60-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10715 lumens
Efficiency: N/A
Efficacy: 170.1 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

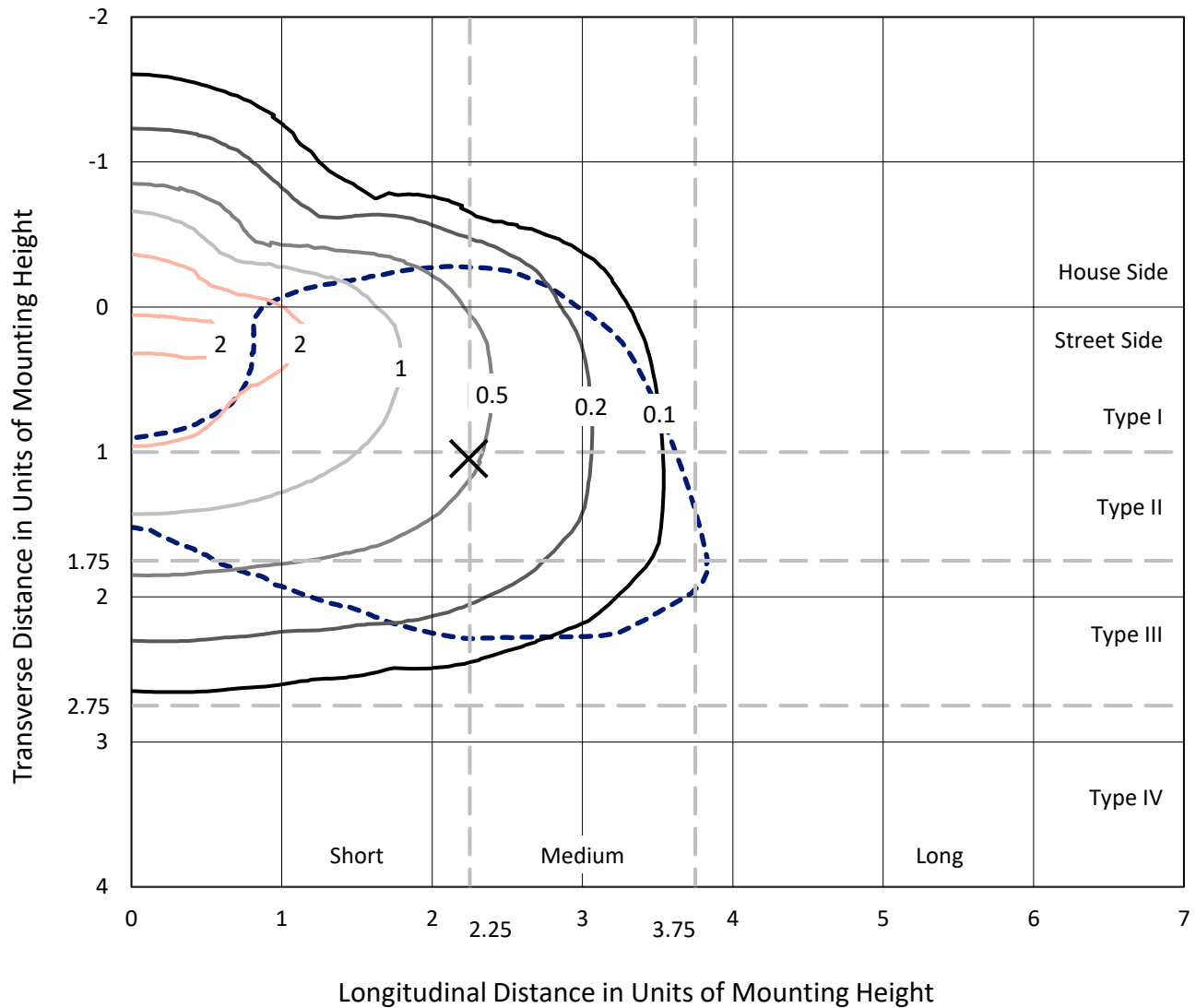
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P1211615
 CATALOG NUMBER: ARCH4-60-730-U-T3RE

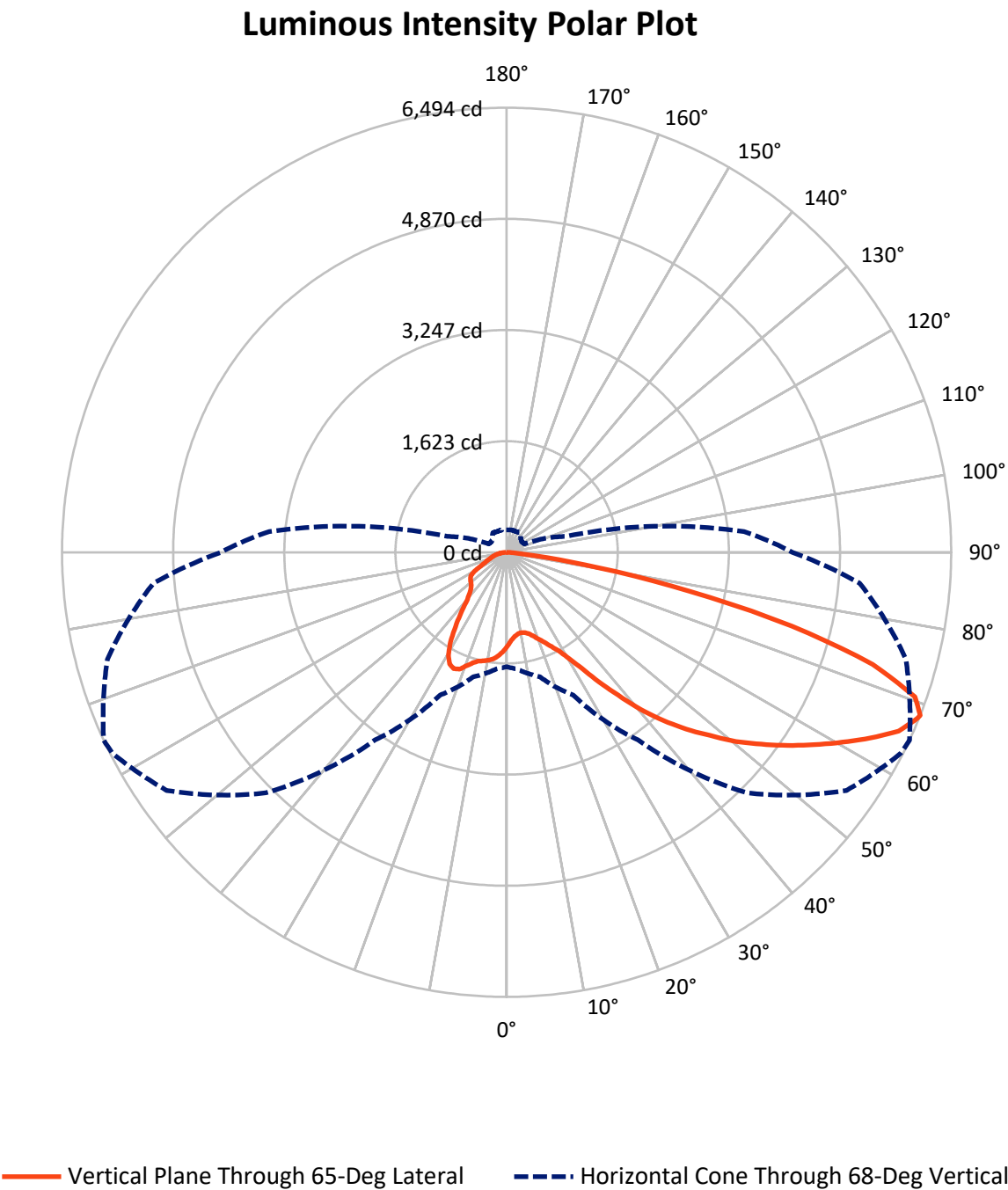
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



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

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CATALOG NUMBER: ARCH4-60-730-U-T3RE



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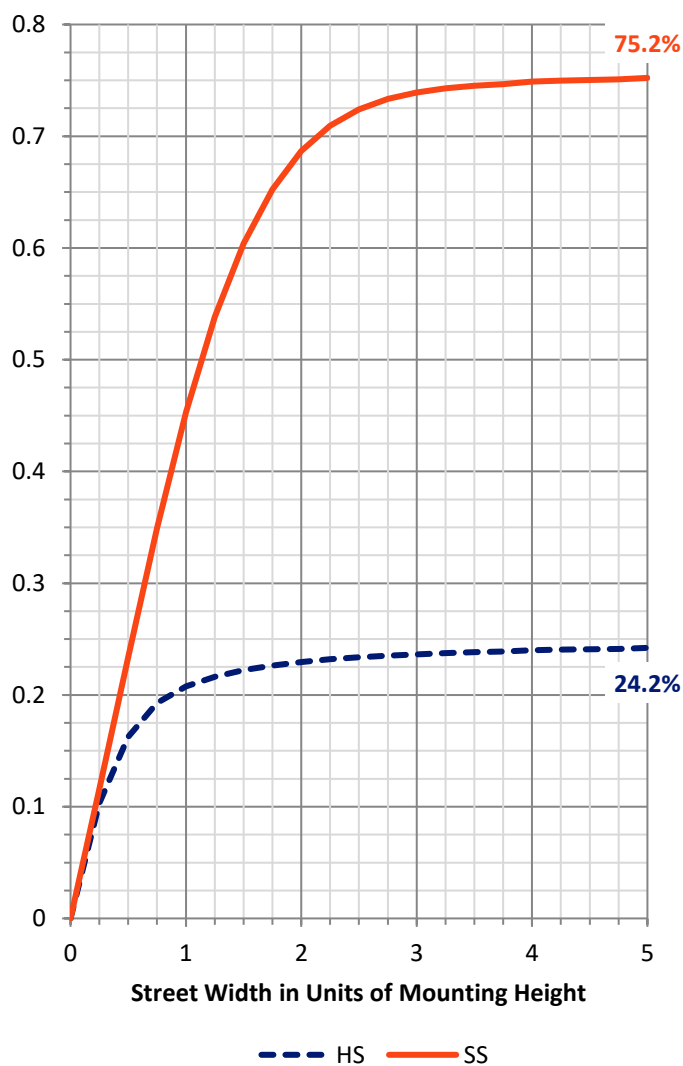
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2627.0	0.0	2627.0
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	8088.0	0.0	8088.0
	% Fixture	75.5	0.0	75.5
Total	Lumens	10715.0	0.0	10715.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	1.2
10°-20°	426.1	4.0
20°-30°	771.2	7.2
30°-40°	1213.1	11.3
40°-50°	1806.8	16.9
50°-60°	2370.2	22.1
60°-70°	2591.9	24.2
70°-80°	1282.6	12.0
80°-90°	122.3	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°	10715.0	100.0
0°-180°	10715.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211615

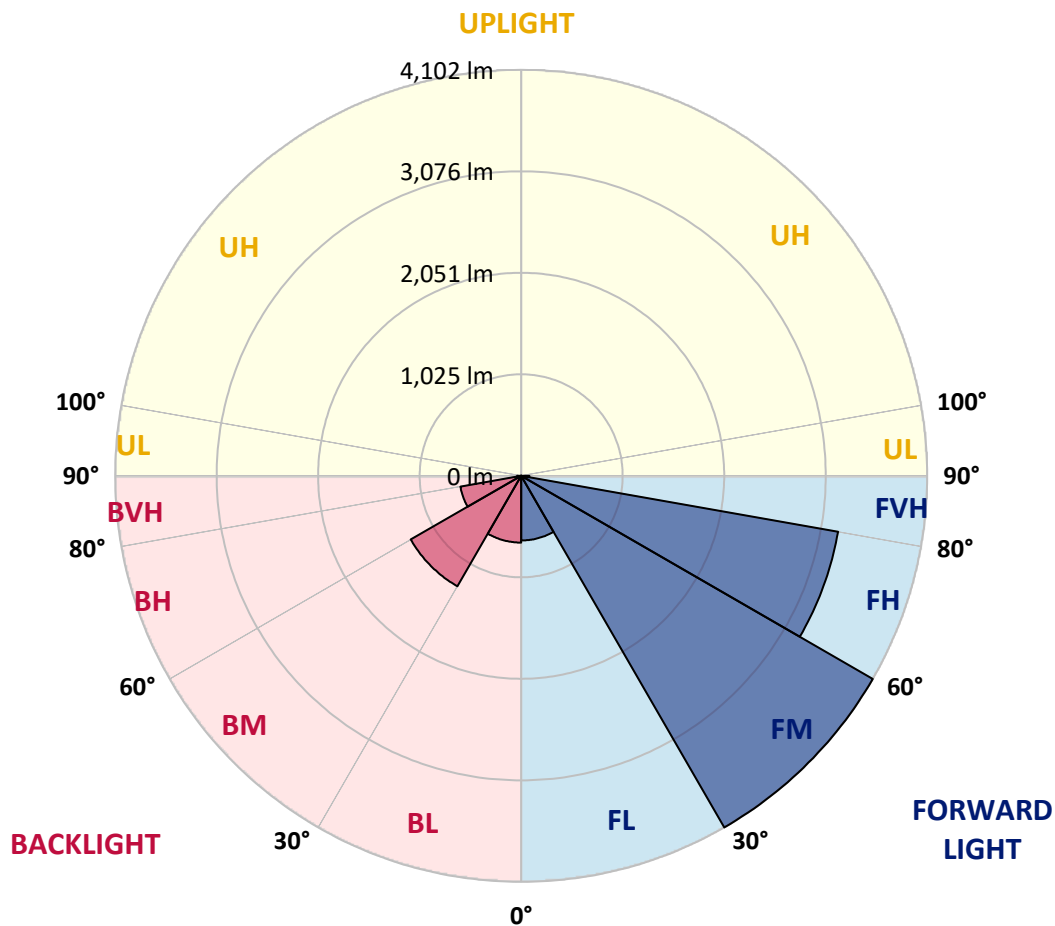
CATALOG NUMBER: ARCH4-60-730-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	653.2	6.1			
FM	(30°-60°)	4101.6	38.3			
FH	(60°-80°)	3251.0	30.3			G2/5000
FVH	(80°-90°)	82.3	0.8			G1/100
BL	(0°-30°)	674.9	6.3	B2/1000		
BM	(30°-60°)	1288.5	12.0	B2/2500		
BH	(60°-80°)	623.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	40.1	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



REPORT NUMBER: P1211615

CATALOG NUMBER: ARCH4-60-730-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1195.2	1192.4	1199.3	1206.2	1221.4	1239.4	1264.2	1285.0	1287.7	1326.4	1356.8
5°	1124.7	1120.5	1127.5	1135.7	1142.7	1164.8	1191.0	1221.4	1233.8	1290.5	1355.4
7.5°	1131.6	1130.2	1133.0	1130.2	1130.2	1139.9	1157.8	1188.2	1202.1	1269.8	1362.3
10°	1171.7	1174.4	1175.8	1167.5	1159.2	1155.1	1160.6	1181.3	1191.0	1271.1	1392.7
12.5°	1238.0	1242.1	1243.5	1228.3	1217.3	1199.3	1189.6	1197.9	1204.8	1285.0	1435.6
15°	1327.8	1330.6	1320.9	1311.2	1283.6	1261.5	1238.0	1231.1	1233.8	1314.0	1483.9
17.5°	1432.8	1428.7	1428.7	1405.2	1369.2	1334.7	1296.0	1290.5	1290.5	1361.0	1553.0
20°	1547.5	1551.6	1539.2	1507.4	1471.5	1417.6	1378.9	1354.0	1356.8	1414.8	1637.3
22.5°	1713.3	1720.2	1687.0	1641.4	1586.2	1524.0	1468.7	1428.7	1430.0	1485.3	1724.3
25°	1891.5	1894.3	1873.6	1812.8	1738.2	1649.7	1576.5	1525.4	1524.0	1564.1	1836.3
27.5°	2073.9	2086.3	2044.9	1986.9	1917.8	1807.2	1710.5	1641.4	1630.4	1684.3	1975.8
30°	2261.8	2277.0	2236.9	2180.3	2094.6	2000.7	1886.0	1805.9	1798.9	1870.8	2162.3
32.5°	2451.1	2455.2	2423.5	2376.5	2299.1	2210.7	2118.1	2029.7	2022.8	2140.2	2404.1
35°	2605.9	2618.3	2596.2	2585.1	2528.5	2447.0	2357.1	2306.0	2324.0	2474.6	2717.8
37.5°	2792.4	2804.8	2779.9	2777.2	2759.2	2688.8	2626.6	2630.7	2648.7	2853.2	3048.0
40°	3061.8	3075.6	3012.1	2984.4	2984.4	2915.3	2894.6	2992.7	3016.2	3226.2	3392.0
42.5°	3289.8	3311.9	3274.6	3256.6	3202.7	3154.4	3179.2	3317.4	3357.5	3582.7	3691.9
45°	3400.3	3416.9	3461.1	3513.6	3461.1	3376.8	3470.8	3626.9	3683.6	3911.5	3991.7
47.5°	3459.7	3474.9	3526.1	3667.0	3702.9	3632.4	3765.1	3959.9	3998.6	4237.6	4277.7
50°	3468.0	3516.4	3582.7	3723.6	3888.1	3897.7	4060.8	4298.4	4344.0	4558.2	4529.2
52.5°	3400.3	3419.7	3556.4	3794.1	3976.5	4142.3	4382.7	4623.1	4656.3	4859.4	4751.6
55°	3289.8	3317.4	3454.2	3777.5	4062.1	4374.4	4710.2	4942.3	4979.6	5152.3	4957.5
57.5°	3190.3	3204.1	3350.6	3729.2	4147.8	4606.5	5001.7	5275.3	5300.1	5409.3	5109.5
60°	3079.8	3095.0	3241.4	3625.5	4211.4	4782.0	5305.7	5611.0	5633.1	5680.1	5286.3
62.5°	2793.8	2833.8	3017.6	3454.2	4194.8	4982.3	5630.4	5942.6	5970.2	5919.1	5425.9
65°	2268.7	2325.4	2550.6	3066.0	4040.0	5112.2	5895.6	6248.0	6294.9	6098.7	5463.2
67.5°	1761.6	1801.7	1982.7	2433.1	3497.0	5047.3	6067.0	6458.0	6471.8	6069.7	5255.9
68°	1670.5	1710.5	1883.2	2300.5	3346.4	4969.9	6062.8	6463.5	6493.9	6037.9	5175.8
70°	1278.1	1323.7	1488.1	1822.4	2697.0	4478.0	5810.0	6330.9	6326.7	5653.8	4678.4
72.5°	798.6	824.9	938.2	1149.6	1783.8	3407.2	4931.2	5583.4	5594.4	4609.3	3588.2
75°	507.1	507.1	501.6	556.8	914.7	1941.3	3665.6	4298.4	4306.7	3227.6	2261.8
77.5°	440.8	428.3	368.9	312.3	364.8	754.4	2169.2	2775.8	2730.2	1738.2	1073.6
80°	371.7	350.9	302.6	251.5	234.9	236.3	833.2	1409.3	1348.5	625.9	356.5
82.5°	268.0	250.1	228.0	197.6	181.0	140.9	174.1	407.6	397.9	181.0	116.1
85°	145.1	131.3	128.5	129.9	109.2	87.0	73.2	89.8	89.8	78.8	66.3
87.5°	51.1	37.3	44.2	49.7	42.8	35.9	29.0	34.5	35.9	34.5	31.8
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: P1211615

CATALOG NUMBER: ARCH4-60-730-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1374.8	1388.6	1421.8	1450.8	1471.5	1489.5	1499.1	1503.3	1512.9	1514.3	1511.6
5°	1385.8	1421.8	1471.5	1514.3	1537.8	1547.5	1550.2	1551.6	1547.5	1550.2	1547.5
7.5°	1414.8	1460.4	1530.9	1568.2	1572.4	1557.2	1558.5	1553.0	1558.5	1564.1	1564.1
10°	1459.1	1517.1	1583.4	1597.2	1579.3	1571.0	1587.6	1620.7	1631.8	1647.0	1647.0
12.5°	1517.1	1586.2	1633.1	1620.7	1604.1	1631.8	1680.1	1713.3	1724.3	1729.9	1725.7
15°	1583.4	1658.0	1681.5	1640.1	1670.5	1729.9	1746.4	1727.1	1699.5	1687.0	1693.9
17.5°	1667.7	1729.9	1716.0	1688.4	1757.5	1765.8	1711.9	1649.7	1605.5	1588.9	1600.0
20°	1756.1	1810.0	1746.4	1758.9	1801.7	1713.3	1611.0	1530.9	1492.2	1485.3	1496.4
22.5°	1850.1	1884.6	1776.8	1840.4	1776.8	1597.2	1474.3	1432.8	1423.1	1434.2	1443.9
25°	1956.5	1952.3	1829.3	1865.3	1684.3	1454.9	1381.7	1378.9	1378.9	1385.8	1399.6
27.5°	2076.7	2011.7	1881.9	1832.1	1524.0	1337.5	1323.7	1325.0	1320.9	1322.3	1329.2
30°	2216.2	2091.9	1939.9	1723.0	1344.4	1249.0	1243.5	1239.4	1229.7	1226.9	1229.7
32.5°	2391.7	2176.1	1999.3	1543.3	1186.9	1157.8	1155.1	1133.0	1109.5	1106.7	1116.4
35°	2614.1	2329.5	2029.7	1318.1	1057.0	1055.6	1045.9	1011.4	981.0	981.0	974.1
37.5°	2868.4	2527.1	2042.1	1098.4	949.2	956.1	928.5	884.3	860.8	847.0	851.1
40°	3128.1	2752.3	2040.7	906.4	855.3	856.6	835.9	782.0	724.0	689.5	697.7
42.5°	3378.2	2956.8	2004.8	804.1	779.3	775.1	758.5	685.3	637.0	609.3	610.7
45°	3578.6	3168.2	1949.6	743.3	710.2	717.1	679.8	635.6	591.4	566.5	565.1
47.5°	3778.9	3328.5	1861.1	706.0	659.1	646.6	631.4	601.0	567.9	540.2	541.6
50°	3961.3	3465.3	1778.2	681.2	612.1	580.3	583.1	565.1	536.1	511.2	509.8
52.5°	4089.8	3555.1	1732.6	667.4	555.4	520.9	530.6	520.9	493.3	475.3	473.9
55°	4218.3	3624.2	1747.8	649.4	493.3	465.6	482.2	479.4	464.2	458.7	460.1
57.5°	4321.9	3676.7	1801.7	616.2	433.8	417.3	444.9	436.6	425.6	426.9	426.9
60°	4422.8	3744.4	1865.3	540.2	382.7	384.1	410.4	395.2	388.3	400.7	402.1
62.5°	4527.8	3817.6	1812.8	429.7	338.5	348.2	378.6	366.1	368.9	386.9	392.4
65°	4515.3	3810.7	1477.0	352.3	299.8	319.2	364.8	360.6	362.0	368.9	371.7
67.5°	4261.1	3567.5	1015.5	299.8	272.2	295.7	353.7	337.1	338.5	334.4	335.7
68°	4175.4	3481.8	895.3	291.5	266.7	290.2	348.2	333.0	334.4	330.2	328.8
70°	3708.4	2981.7	566.5	257.0	247.3	275.0	320.6	315.0	313.6	310.9	310.9
72.5°	2826.9	2201.0	298.4	222.5	225.2	251.5	286.0	297.1	290.2	291.5	299.8
75°	1872.2	1323.7	207.3	190.7	197.6	215.5	254.2	276.3	269.4	273.6	269.4
77.5°	990.7	712.9	165.8	161.7	161.7	174.1	210.0	244.6	244.6	241.8	237.6
80°	324.7	251.5	132.6	127.1	129.9	136.8	168.6	200.3	204.5	199.0	196.2
82.5°	109.2	116.1	99.5	92.6	95.3	100.9	127.1	153.4	154.7	143.7	140.9
85°	67.7	77.4	62.2	60.8	60.8	62.2	77.4	84.3	77.4	69.1	71.8
87.5°	31.8	38.7	29.0	24.9	20.7	18.0	13.8	5.5	5.5	2.8	2.8
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)