

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: P1210813

Luminaire Tested: **ARCH3-80-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210813
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: ARCH3-80-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 650mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

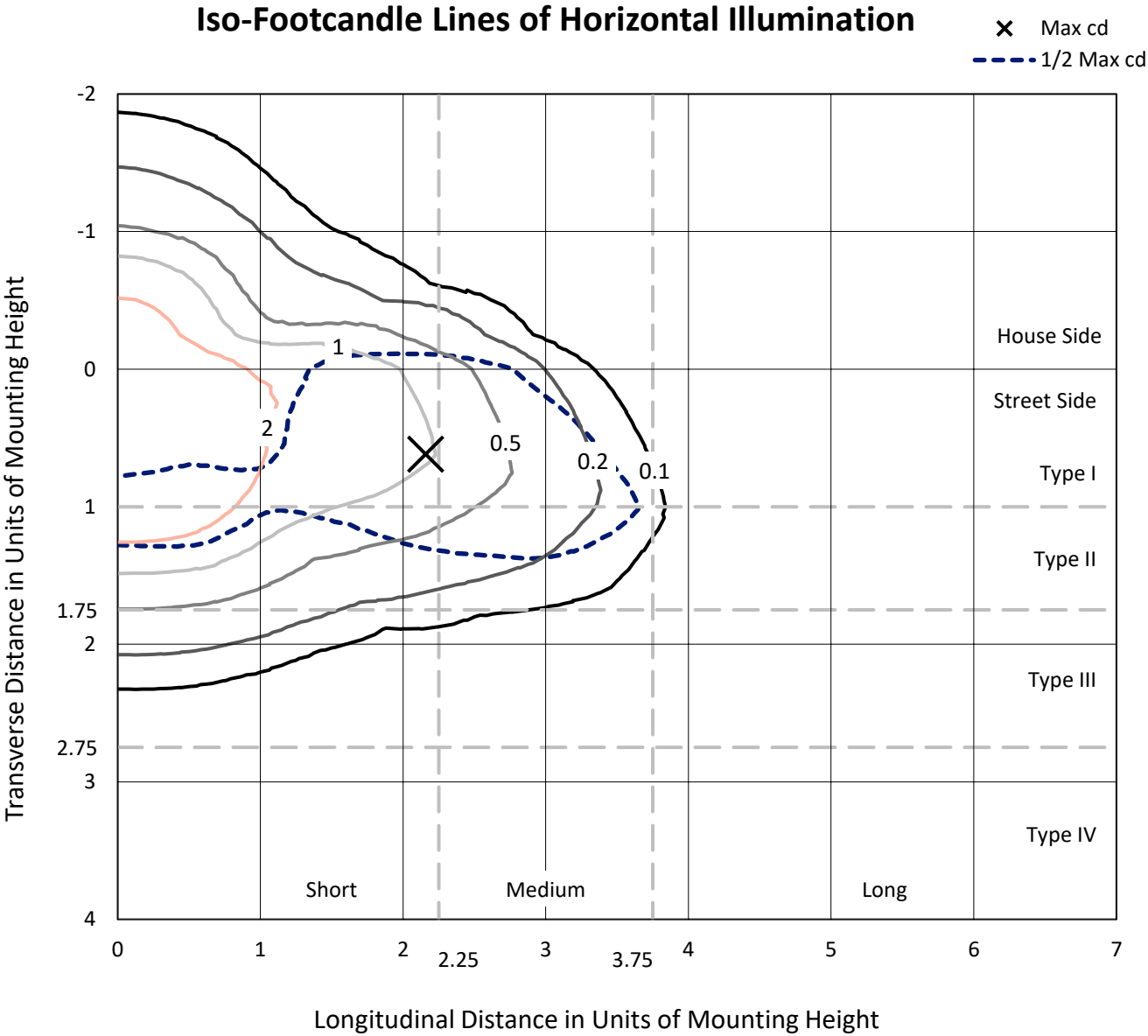
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12724 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 81.9
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

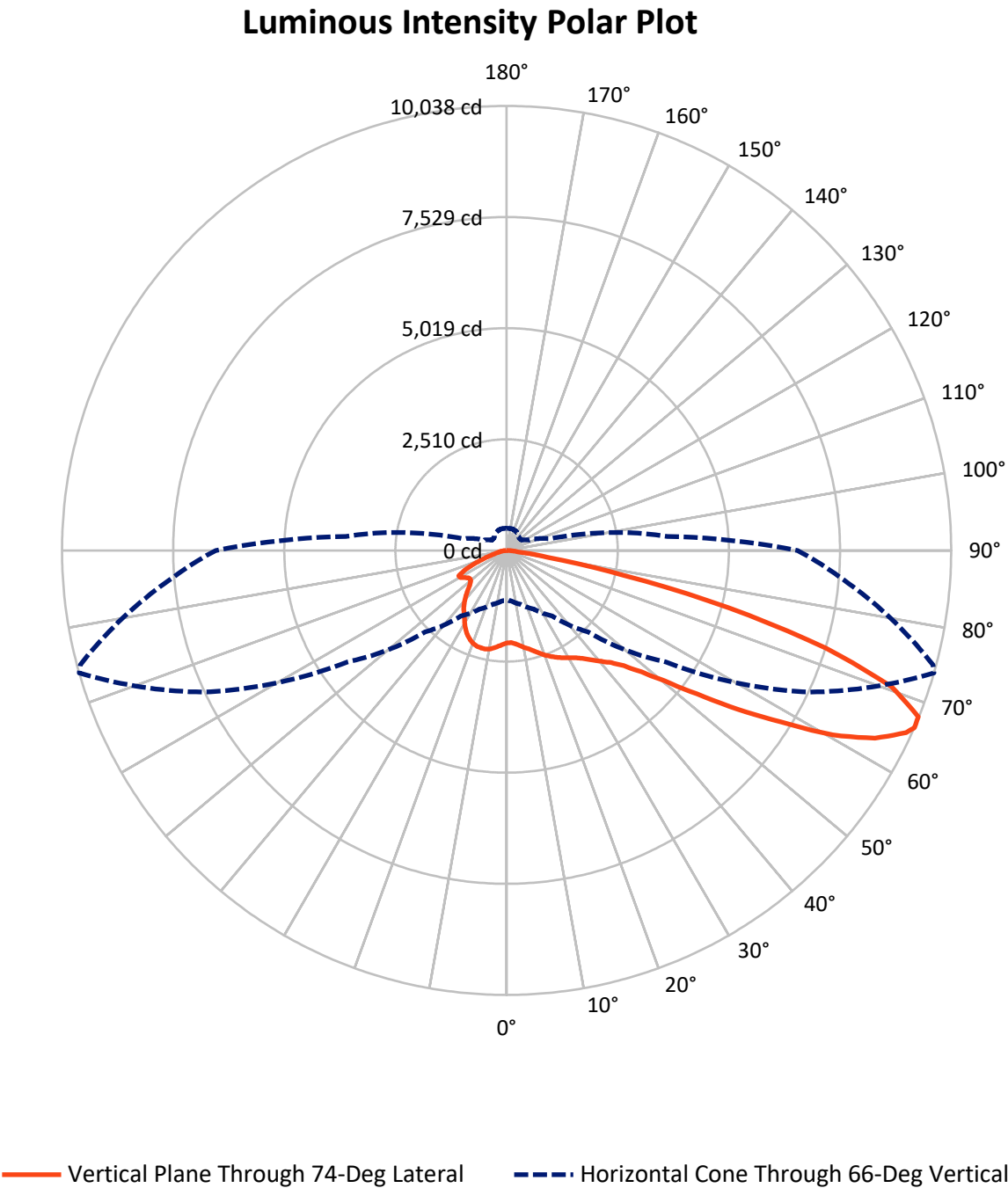


REPORT NUMBER: P1210813
CATALOG NUMBER: ARCH3-80-730-U-T2RE



Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type II - Short - N/A

REPORT NUMBER: P1210813
CATALOG NUMBER: ARCH3-80-730-U-T2RE



REPORT NUMBER: P1210813

CATALOG NUMBER: ARCH3-80-730-U-T2RE

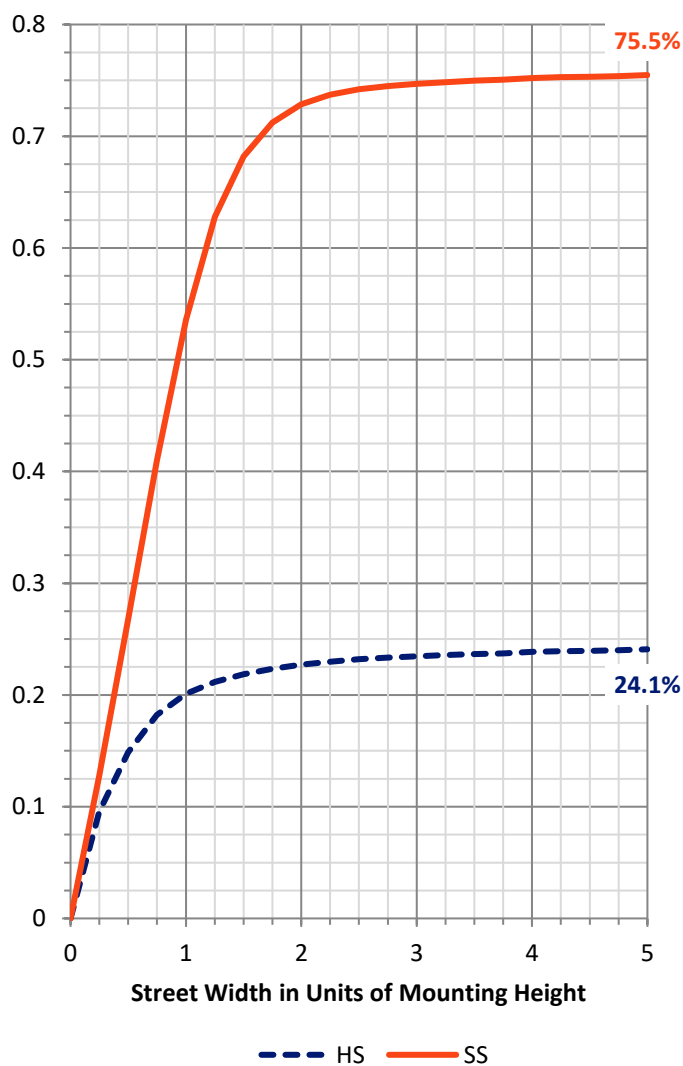
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3098.6	0.0	3098.6
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	9625.4	0.0	9625.4
	% Fixture	75.6	0.0	75.6
Total	Lumens	12724.0	0.0	12724.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.0	1.6
10°-20°	611.9	4.8
20°-30°	1148.2	9.0
30°-40°	1766.2	13.9
40°-50°	2375.7	18.7
50°-60°	2809.6	22.1
60°-70°	2599.0	20.4
70°-80°	1093.4	8.6
80°-90°	121.0	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°	12724.0	100.0
0°-180°	12724.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210813

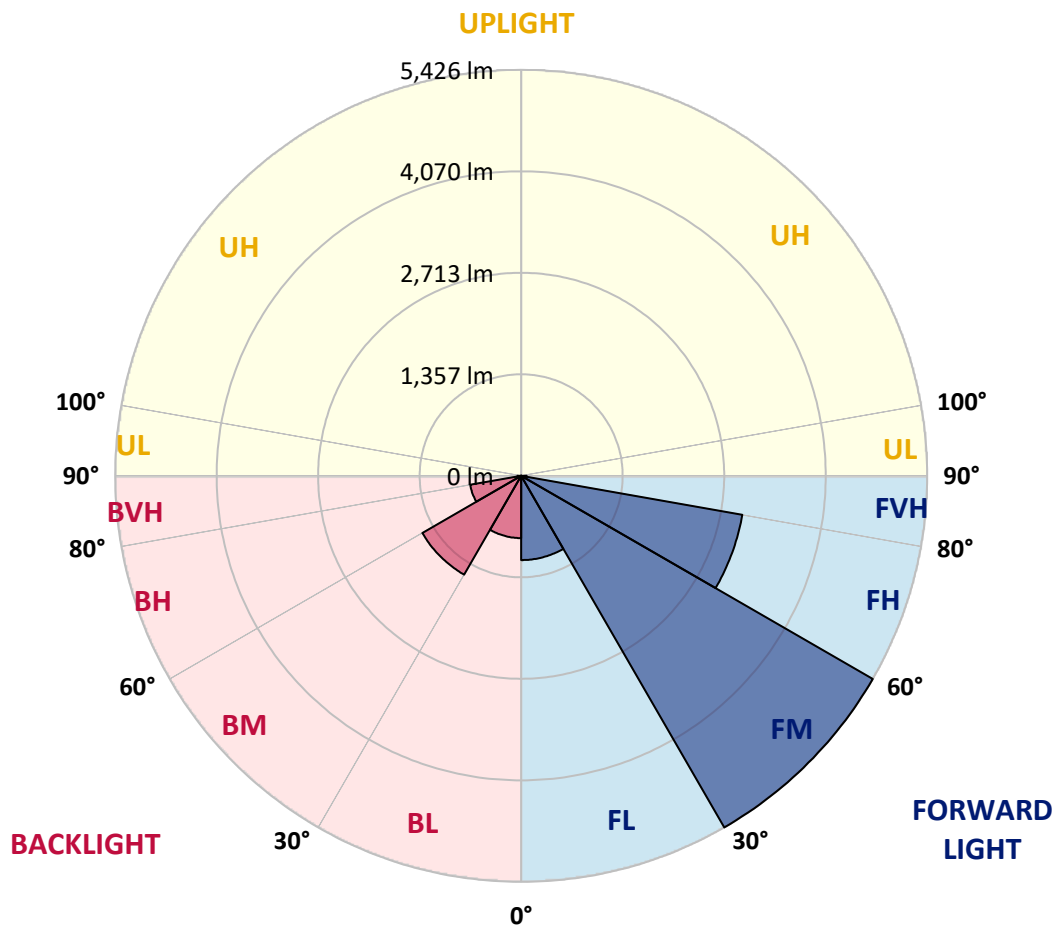
CATALOG NUMBER: ARCH3-80-730-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1126.2	8.9			
FM	(30°-60°)	5426.1	42.6			
FH	(60°-80°)	3000.7	23.6			G2/5000
FVH	(80°-90°)	72.4	0.6			G1/100
BL	(0°-30°)	832.8	6.5	B2/1000		
BM	(30°-60°)	1525.5	12.0	B2/2500		
BH	(60°-80°)	691.7	5.4	B2/1000		G2/1000
BVH	(80°-90°)	48.6	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



REPORT NUMBER: P1210813

CATALOG NUMBER: ARCH3-80-730-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9
2.5°	2079.3	2076.1	2082.6	2092.4	2097.3	2089.2	2085.9	2084.2	2084.2	2079.3	2087.5
5°	1981.1	1979.5	1994.2	2012.2	2046.6	2071.2	2103.9	2123.5	2117.0	2107.2	2113.7
7.5°	1853.4	1850.1	1868.1	1902.5	1950.0	2004.0	2084.2	2146.5	2171.0	2167.8	2166.1
10°	1902.5	1899.2	1897.6	1887.8	1904.1	1956.5	2040.0	2149.7	2233.2	2234.9	2236.5
12.5°	2072.8	2081.0	2072.8	2041.7	2005.7	1986.0	2035.1	2157.9	2285.6	2295.5	2336.4
15°	2305.3	2297.1	2280.7	2244.7	2189.0	2130.1	2094.1	2195.6	2360.9	2369.1	2459.2
17.5°	2509.9	2516.5	2506.7	2472.3	2406.8	2329.8	2220.1	2261.1	2441.2	2464.1	2590.2
20°	2732.6	2758.8	2745.7	2703.1	2649.1	2534.5	2397.0	2356.0	2529.6	2546.0	2726.1
22.5°	2989.7	3017.5	2992.9	2952.0	2907.8	2767.0	2590.2	2472.3	2603.3	2637.6	2857.0
25°	3297.5	3323.7	3300.7	3236.9	3181.2	3009.3	2798.1	2603.3	2675.3	2713.0	2963.5
27.5°	3541.4	3561.1	3582.4	3544.7	3459.6	3281.1	3014.2	2739.2	2747.3	2786.6	3061.7
30°	3759.2	3808.3	3826.3	3831.2	3759.2	3559.4	3235.3	2880.0	2809.6	2850.5	3159.9
32.5°	4057.2	4130.8	4101.4	4130.8	4088.3	3821.4	3464.5	3025.7	2889.8	2927.4	3253.3
35°	4492.7	4551.6	4474.7	4451.7	4383.0	4086.6	3685.5	3176.3	2996.2	3037.1	3341.7
37.5°	4960.9	5028.1	4916.7	4825.0	4694.1	4348.6	3875.4	3374.4	3143.6	3176.3	3423.5
40°	5370.3	5425.9	5329.3	5208.2	4988.8	4579.5	4039.2	3513.6	3290.9	3331.9	3518.5
42.5°	5748.5	5784.5	5676.4	5560.2	5267.1	4787.4	4216.0	3660.9	3462.8	3502.1	3595.5
45°	6131.6	6159.4	6008.8	5843.4	5499.6	4977.3	4410.8	3867.2	3715.0	3767.4	3719.9
47.5°	6200.4	6208.5	6182.3	6071.0	5683.0	5159.0	4651.5	4143.9	4099.7	4157.0	3934.4
50°	5723.9	5797.6	5959.7	6069.4	5756.7	5311.3	4892.2	4540.2	4630.2	4703.9	4379.7
52.5°	4798.8	4869.3	5244.2	5660.1	5579.8	5345.7	5150.9	5042.8	5378.4	5466.9	4985.5
55°	3823.0	3885.3	4281.5	4880.7	5008.4	5188.5	5427.6	5684.6	6333.0	6391.9	5650.2
57.5°	3148.5	3182.9	3466.1	4042.4	4247.1	4685.9	5576.6	6447.6	7303.9	7393.9	6228.2
60°	2582.0	2619.6	2830.8	3305.7	3577.4	3967.1	5458.7	7200.7	8463.1	8463.1	6969.9
62.5°	1943.4	1976.2	2172.7	2544.3	3001.1	3358.0	5082.1	7700.1	9337.4	9298.1	7506.9
65°	1334.4	1360.6	1503.0	1750.2	2161.2	2862.0	4568.0	7706.6	9917.0	9864.6	7736.1
66°	1119.9	1142.8	1264.0	1463.7	1809.2	2596.7	4386.3	7567.5	10038.1	9964.4	7639.5
67.5°	884.1	900.5	980.7	1098.6	1326.2	2102.3	4099.7	7172.9	10026.7	9982.5	7393.9
70°	632.0	643.4	702.4	726.9	784.3	1216.5	3256.5	6282.2	9222.8	9235.9	6427.9
72.5°	489.5	507.6	543.6	548.5	535.4	646.7	1976.2	5240.9	7544.6	7539.6	4771.0
75°	394.6	404.4	422.4	432.2	429.0	417.5	836.6	3909.8	5193.4	5254.0	2672.0
77.5°	311.1	309.4	325.8	338.9	348.7	327.5	383.1	2292.2	2722.8	2645.8	1003.6
80°	229.2	229.2	252.1	257.1	271.8	275.1	255.4	884.1	934.9	849.7	260.3
82.5°	150.6	150.6	175.2	178.5	193.2	214.5	185.0	265.2	258.7	245.6	117.9
85°	81.9	78.6	86.8	98.2	106.4	126.1	111.3	132.6	135.9	134.3	78.6
87.5°	16.4	14.7	22.9	26.2	29.5	39.3	36.0	54.0	75.3	73.7	34.4
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: P1210813

CATALOG NUMBER: ARCH3-80-730-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9	2085.9
2.5°	2099.0	2097.3	2115.4	2136.6	2161.2	2175.9	2182.5	2193.9	2185.8	2189.0	2198.9
5°	2130.1	2135.0	2161.2	2189.0	2200.5	2192.3	2174.3	2167.8	2153.0	2149.7	2146.5
7.5°	2175.9	2184.1	2210.3	2216.9	2182.5	2125.2	2084.2	2061.3	2036.8	2030.2	2026.9
10°	2251.3	2256.2	2262.7	2195.6	2110.4	2033.5	1982.7	1961.5	1945.1	1932.0	1935.3
12.5°	2346.2	2342.9	2292.2	2153.0	2031.9	1953.3	1918.9	1905.8	1894.3	1886.1	1884.5
15°	2465.7	2442.8	2297.1	2094.1	1958.2	1892.7	1868.1	1863.2	1850.1	1850.1	1848.5
17.5°	2586.9	2528.0	2293.8	2031.9	1887.8	1851.8	1837.0	1833.7	1830.5	1828.8	1833.7
20°	2708.1	2603.3	2267.6	1954.9	1838.7	1817.4	1814.1	1815.7	1812.5	1817.4	1814.1
22.5°	2814.5	2652.4	2218.5	1873.0	1804.3	1802.6	1794.5	1797.7	1809.2	1810.8	1815.7
25°	2896.3	2670.4	2146.5	1797.7	1779.7	1776.4	1786.3	1799.4	1809.2	1810.8	1819.0
27.5°	2963.5	2660.6	2056.4	1738.8	1737.1	1755.2	1784.6	1789.5	1791.2	1791.2	1784.6
30°	3014.2	2639.3	1941.8	1673.3	1681.5	1725.7	1753.5	1753.5	1740.4	1737.1	1747.0
32.5°	3025.7	2611.5	1817.4	1606.2	1619.3	1671.7	1706.0	1694.6	1679.8	1679.8	1686.4
35°	3035.5	2573.8	1717.5	1514.5	1534.1	1596.3	1629.1	1606.2	1589.8	1584.9	1583.2
37.5°	3032.2	2559.1	1627.5	1398.2	1424.4	1485.0	1506.3	1485.0	1460.4	1449.0	1463.7
40°	3035.5	2549.2	1514.5	1270.5	1296.7	1332.7	1360.6	1344.2	1321.3	1291.8	1306.5
42.5°	3055.2	2562.3	1390.0	1146.1	1146.1	1165.7	1213.2	1201.8	1146.1	1134.6	1147.7
45°	3159.9	2632.7	1265.6	1021.7	1003.6	1016.7	1065.9	1016.7	982.4	982.4	993.8
47.5°	3413.7	2763.7	1155.9	912.0	869.4	895.6	908.7	862.8	836.6	830.1	841.6
50°	3931.1	3025.7	1090.4	821.9	769.5	789.2	781.0	779.3	753.1	756.4	763.0
52.5°	4717.0	3536.5	1070.8	777.7	712.2	717.1	708.9	712.2	707.3	723.7	728.6
55°	5573.3	4075.2	1095.3	784.3	672.9	638.5	641.8	658.2	677.8	704.0	708.9
57.5°	6213.5	4345.3	1159.2	828.5	623.8	571.4	579.6	610.7	648.4	669.6	681.1
60°	6689.9	4312.6	1252.5	839.9	564.9	510.8	525.6	571.4	604.2	622.2	633.6
62.5°	6845.4	4107.9	1275.4	756.4	487.9	453.5	489.5	537.0	551.8	571.4	579.6
65°	6717.7	3818.1	1108.4	614.0	429.0	411.0	463.3	499.4	519.0	528.8	530.5
66°	6567.1	3644.6	1018.4	558.3	407.7	397.9	453.5	483.0	502.6	501.0	502.6
67.5°	6236.4	3281.1	872.7	479.7	376.6	378.2	437.2	456.8	463.3	458.4	458.4
70°	5111.6	2310.2	625.4	363.5	330.7	353.7	392.9	397.9	412.6	406.0	406.0
72.5°	3151.8	1134.6	419.1	278.3	294.7	330.7	329.1	345.5	379.8	389.7	396.2
75°	1548.9	460.1	276.7	235.8	263.6	276.7	273.4	314.4	363.5	406.0	420.8
77.5°	587.8	229.2	193.2	206.3	212.8	207.9	217.8	284.9	363.5	440.4	455.2
80°	181.7	158.8	152.3	170.3	160.5	152.3	163.7	235.8	307.8	334.0	334.0
82.5°	109.7	124.4	117.9	116.2	108.1	109.7	117.9	168.6	237.4	248.9	248.9
85°	77.0	81.9	67.1	63.9	62.2	60.6	60.6	98.2	140.8	139.2	144.1
87.5°	29.5	32.7	24.6	24.6	22.9	16.4	13.1	16.4	16.4	11.5	8.2
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)