

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: P1210356

Luminaire Tested: **ARCH3-100-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-100-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 805mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9630 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

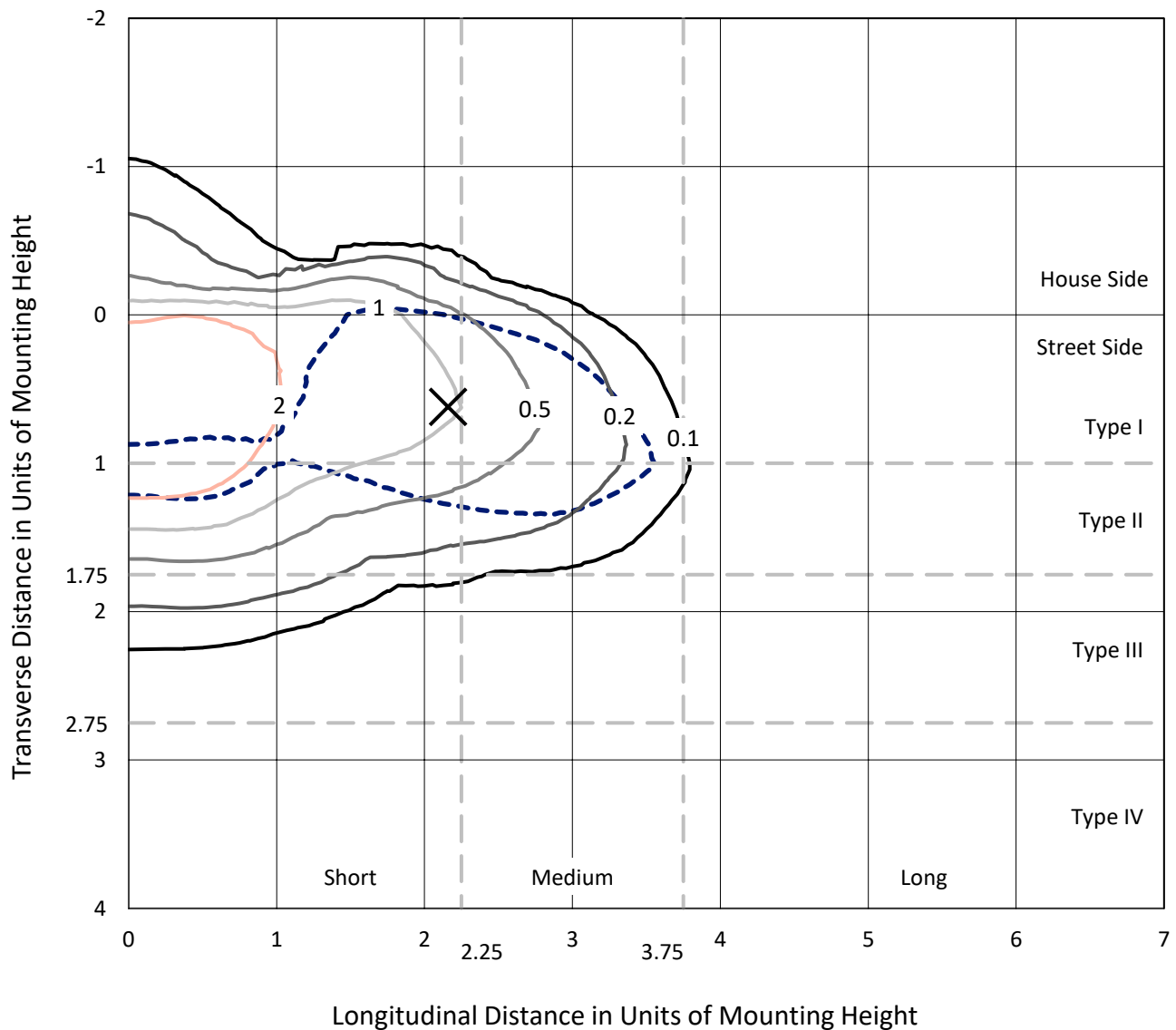
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P1210356
CATALOG NUMBER: ARCH3-100-722-U-T2RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

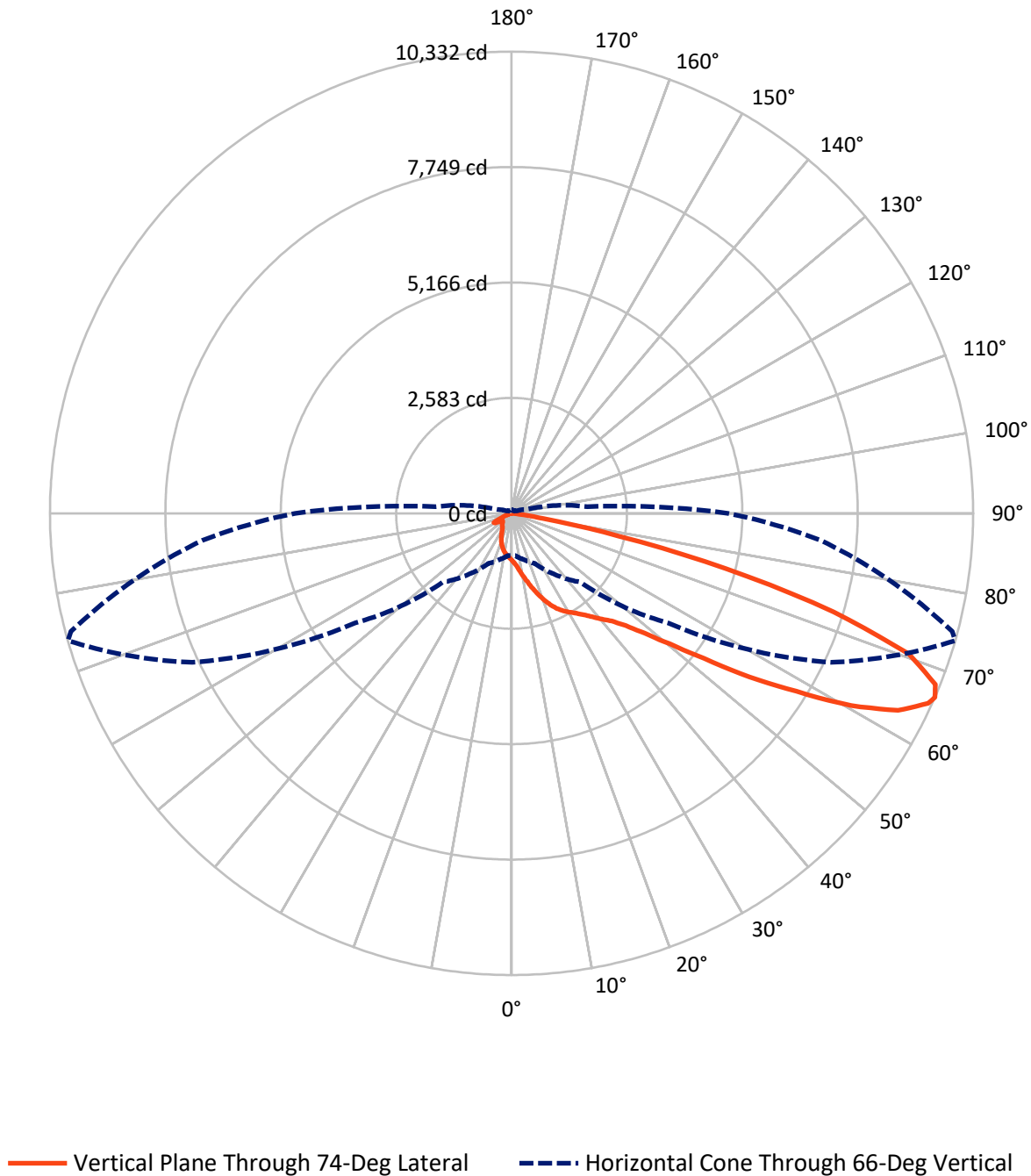
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type II - Short - N/A

REPORT NUMBER: P1210356
CATALOG NUMBER: ARCH3-100-722-U-T2RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1210356

CATALOG NUMBER: ARCH3-100-722-U-T2RE-HSS

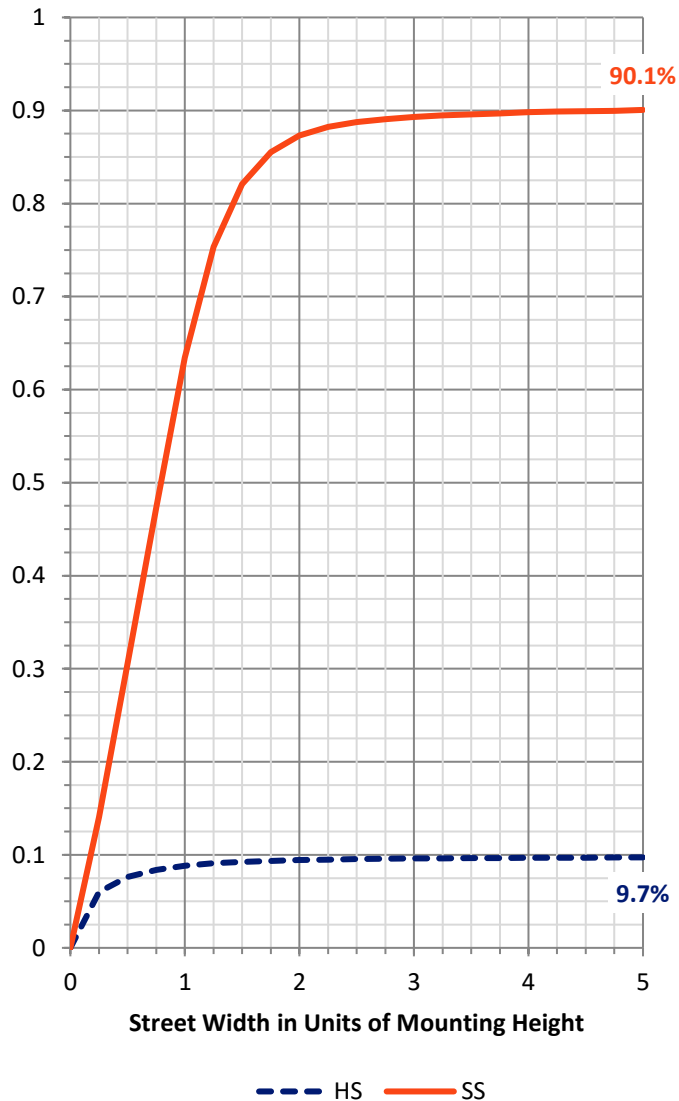
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	944.0	0.0	944.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	8686.0	0.0	8686.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	9630.0	0.0	9630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	1.1
10°-20°	328.9	3.4
20°-30°	627.7	6.5
30°-40°	1100.3	11.4
40°-50°	1886.7	19.6
50°-60°	2453.8	25.5
60°-70°	2221.3	23.1
70°-80°	857.1	8.9
80°-90°	51.6	0.5
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°	9630.0	100.0
0°-180°	9630.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210356

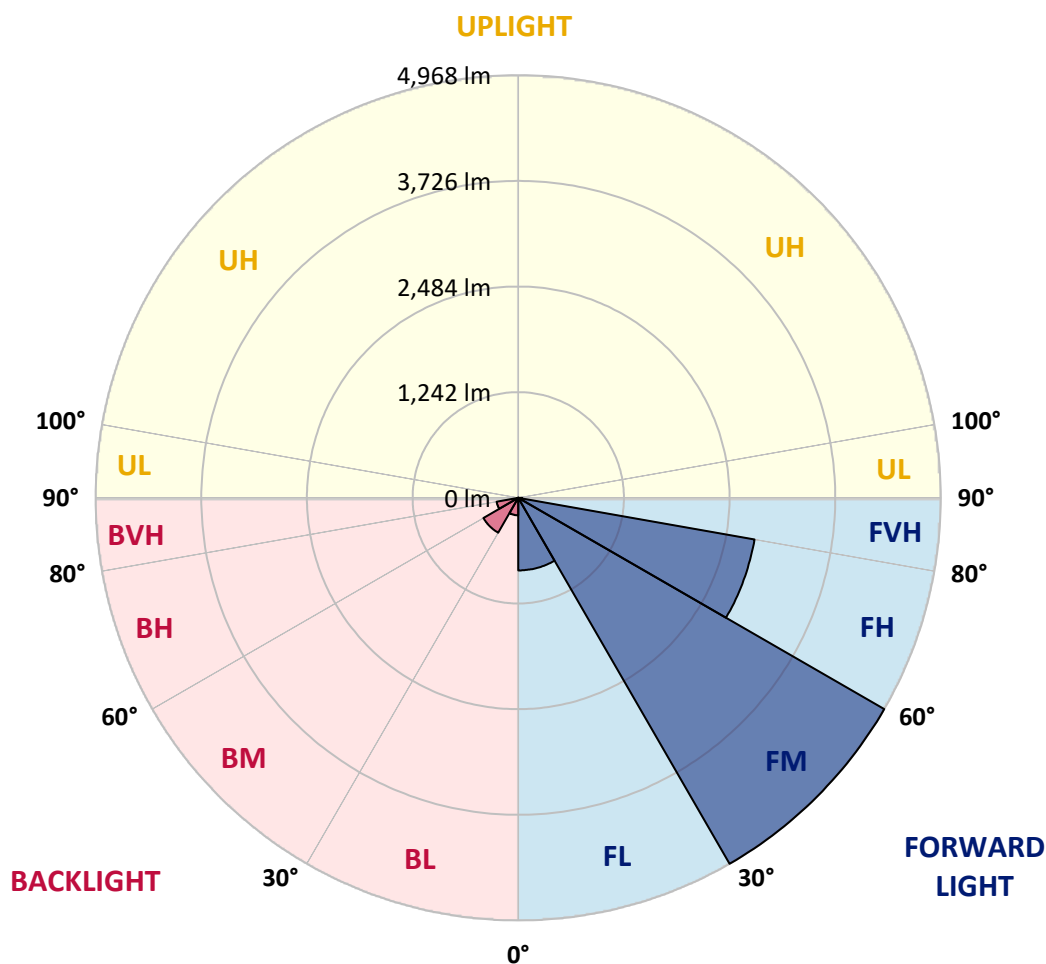
CATALOG NUMBER: ARCH3-100-722-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	853.4	8.9			
FM	(30°-60°)	4967.6	51.6			
FH	(60°-80°)	2820.3	29.3			G2/5000
FVH	(80°-90°)	44.7	0.5			G1/100
BL	(0°-30°)	205.9	2.1	B1/500		
BM	(30°-60°)	473.1	4.9	B1/1000		
BH	(60°-80°)	258.1	2.7	B1/500		G1/500
BVH	(80°-90°)	6.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



REPORT NUMBER: P1210356

CATALOG NUMBER: ARCH3-100-722-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2
2.5°	1262.1	1251.8	1232.7	1231.0	1215.4	1196.4	1163.6	1129.0	1104.8	1101.3	1071.9
5°	1511.1	1505.9	1486.9	1474.8	1445.4	1400.4	1324.4	1248.3	1184.3	1177.4	1111.7
7.5°	1576.8	1580.3	1583.7	1595.8	1585.4	1564.7	1507.6	1400.4	1300.2	1284.6	1170.5
10°	1587.2	1583.7	1583.7	1599.3	1628.7	1658.1	1651.1	1559.5	1429.8	1410.8	1251.8
12.5°	1699.6	1704.7	1692.6	1685.7	1680.5	1696.1	1748.0	1708.2	1566.4	1550.9	1350.3
15°	1844.8	1843.1	1825.8	1825.8	1810.2	1784.3	1817.1	1846.5	1730.7	1711.7	1462.7
17.5°	1950.2	1957.2	1955.4	1965.8	1960.6	1926.0	1908.8	1969.3	1900.1	1875.9	1590.6
20°	2035.0	2054.0	2060.9	2093.8	2109.3	2085.1	2040.2	2078.2	2062.6	2040.2	1720.3
22.5°	2124.9	2140.4	2152.5	2209.6	2252.8	2247.6	2190.6	2181.9	2220.0	2199.2	1848.2
25°	2214.8	2221.7	2258.0	2327.2	2396.3	2413.6	2354.8	2287.4	2361.7	2342.7	1962.4
27.5°	2313.3	2316.8	2360.0	2444.7	2541.5	2577.9	2531.2	2406.7	2470.7	2470.7	2066.1
30°	2493.1	2527.7	2545.0	2621.1	2705.8	2755.9	2700.6	2532.9	2567.5	2583.0	2175.0
32.5°	2880.4	2885.6	2880.4	2913.3	2930.6	2960.0	2896.0	2674.7	2666.0	2683.3	2282.2
35°	3471.7	3451.0	3395.6	3347.2	3247.0	3191.6	3108.6	2856.2	2787.1	2811.3	2387.7
37.5°	4189.2	4159.8	4033.6	3884.9	3670.5	3449.2	3345.5	3077.5	2940.9	2972.1	2501.8
40°	4873.9	4854.9	4704.5	4521.2	4154.7	3776.0	3556.4	3264.2	3112.1	3124.2	2617.6
42.5°	5437.5	5434.1	5307.9	5115.9	4645.7	4128.7	3805.4	3447.5	3291.9	3310.9	2738.6
45°	5864.6	5831.7	5738.4	5600.0	5121.1	4495.3	4106.2	3725.9	3580.6	3603.1	2920.2
47.5°	5864.6	5869.8	5930.3	5916.4	5453.1	4839.3	4434.7	4076.8	4007.7	4028.4	3219.3
50°	5387.4	5435.8	5705.5	5932.0	5626.0	5107.3	4789.2	4516.0	4586.9	4618.0	3741.4
52.5°	4443.4	4524.6	4993.2	5510.1	5498.0	5242.2	5155.7	5074.4	5392.6	5447.9	4512.5
55°	3376.6	3430.2	4040.5	4720.0	4941.3	5131.5	5475.6	5783.3	6459.3	6447.2	5295.8
57.5°	2522.5	2572.7	3098.3	3852.1	4144.3	4652.6	5639.8	6594.2	7517.4	7564.1	6030.6
60°	1855.2	1893.2	2341.0	2960.0	3381.8	3919.5	5574.1	7393.0	8736.4	8682.8	6678.9
62.5°	1372.8	1393.5	1716.8	2119.7	2679.9	3193.4	5160.9	7939.3	9709.7	9600.8	7040.3
65°	1061.6	1068.5	1236.2	1450.6	1948.5	2482.8	4545.4	8022.3	10247.4	10131.6	7033.3
66°	945.7	950.9	1073.7	1239.7	1658.1	2173.3	4275.7	7889.2	10332.2	10209.4	6946.9
67.5°	793.6	790.1	862.7	971.7	1244.8	1677.1	3796.8	7500.2	10231.9	10169.6	6670.3
70°	587.8	589.6	625.9	651.8	727.9	928.4	2742.1	6506.0	9429.7	9426.2	5911.3
72.5°	435.7	440.9	468.5	473.7	454.7	503.1	1580.3	5174.7	7543.4	7545.1	4419.2
75°	326.8	335.4	344.1	347.5	330.2	318.1	714.1	3482.1	4962.1	4925.8	2501.8
77.5°	249.0	252.4	259.3	254.2	250.7	219.6	297.4	1697.8	2449.9	2232.1	810.9
80°	181.5	181.5	188.5	181.5	179.8	157.3	162.5	544.6	719.2	598.2	174.6
82.5°	114.1	112.4	117.6	115.8	112.4	100.3	95.1	152.1	166.0	148.7	84.7
85°	64.0	62.2	60.5	58.8	53.6	45.0	51.9	57.1	76.1	77.8	60.5
87.5°	22.5	22.5	20.7	19.0	15.6	15.6	19.0	19.0	27.7	27.7	31.1
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: P1210356

CATALOG NUMBER: ARCH3-100-722-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2
2.5°	1058.1	1039.1	1011.4	975.1	949.2	923.3	895.6	880.0	857.6	852.4	859.3
5°	1077.1	1042.6	973.4	897.3	831.6	772.8	717.5	684.7	651.8	639.7	644.9
7.5°	1116.9	1058.1	940.5	817.8	708.9	620.7	555.0	517.0	487.6	475.5	478.9
10°	1175.7	1085.8	909.4	727.9	587.8	494.5	439.2	414.9	397.7	390.7	392.5
12.5°	1246.6	1125.5	869.7	638.0	484.1	402.8	376.9	371.7	368.3	364.8	366.5
15°	1326.1	1160.1	823.0	549.8	402.8	357.9	349.2	347.5	345.8	345.8	345.8
17.5°	1409.1	1191.2	771.1	466.8	351.0	330.2	325.0	325.0	325.0	326.8	326.8
20°	1486.9	1215.4	710.6	392.5	321.6	304.3	300.8	300.8	302.6	304.3	304.3
22.5°	1563.0	1225.8	639.7	340.6	297.4	281.8	276.6	276.6	276.6	278.4	278.4
25°	1628.7	1225.8	568.8	307.8	276.6	261.1	254.2	252.4	254.2	254.2	254.2
27.5°	1684.0	1220.6	499.7	285.3	255.9	240.3	233.4	231.7	235.1	236.9	236.9
30°	1742.8	1213.7	444.3	264.5	238.6	223.0	216.1	216.1	221.3	228.2	228.2
32.5°	1799.8	1218.9	401.1	247.2	221.3	209.2	202.3	204.0	214.4	224.8	224.8
35°	1860.3	1229.3	375.2	235.1	209.2	197.1	191.9	197.1	207.5	217.8	217.8
37.5°	1920.9	1241.4	359.6	224.8	198.8	186.7	183.3	190.2	202.3	212.7	214.4
40°	1984.8	1251.8	342.3	214.4	191.9	178.1	176.4	183.3	198.8	209.2	210.9
42.5°	2064.4	1272.5	321.6	205.7	185.0	167.7	169.4	174.6	190.2	205.7	207.5
45°	2220.0	1338.2	300.8	197.1	176.4	162.5	159.1	162.5	179.8	197.1	200.6
47.5°	2512.2	1486.9	278.4	188.5	167.7	159.1	145.2	148.7	164.2	183.3	185.0
50°	3072.3	1803.3	266.3	179.8	160.8	147.0	131.4	131.4	143.5	160.8	160.8
52.5°	3945.4	2370.4	273.2	172.9	152.1	134.9	119.3	117.6	124.5	136.6	136.6
55°	4887.7	2992.8	299.1	166.0	141.8	127.9	110.7	102.0	107.2	114.1	114.1
57.5°	5634.6	3305.7	370.0	162.5	129.7	122.8	100.3	88.2	93.4	100.3	100.3
60°	5963.1	3122.5	449.5	166.0	121.0	114.1	89.9	77.8	86.4	93.4	95.1
62.5°	5696.9	2570.9	482.4	157.3	108.9	102.0	88.2	72.6	83.0	88.2	89.9
65°	5121.1	1953.7	376.9	136.6	100.3	88.2	79.5	69.2	77.8	83.0	83.0
66°	4848.0	1703.0	321.6	126.2	96.8	83.0	76.1	69.2	76.1	79.5	81.3
67.5°	4424.4	1343.4	238.6	110.7	89.9	76.1	70.9	65.7	72.6	76.1	76.1
70°	3459.6	800.5	143.5	86.4	77.8	67.4	64.0	60.5	65.7	67.4	67.4
72.5°	2166.4	380.4	91.6	64.0	65.7	64.0	53.6	57.1	58.8	60.5	60.5
75°	1049.5	150.4	62.2	46.7	53.6	60.5	43.2	50.1	51.9	55.3	53.6
77.5°	292.2	72.6	39.8	34.6	46.7	46.7	32.8	39.8	46.7	58.8	53.6
80°	84.7	46.7	25.9	25.9	32.8	32.8	22.5	27.7	31.1	34.6	36.3
82.5°	58.8	31.1	17.3	19.0	19.0	20.7	13.8	13.8	17.3	17.3	19.0
85°	46.7	13.8	10.4	12.1	8.6	10.4	6.9	6.9	8.6	6.9	6.9
87.5°	19.0	6.9	6.9	6.9	5.2	5.2	3.5	1.7	1.7	1.7	1.7
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)