

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: P1210206

Luminaire Tested: **ARCH2-50-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-50-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 410mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

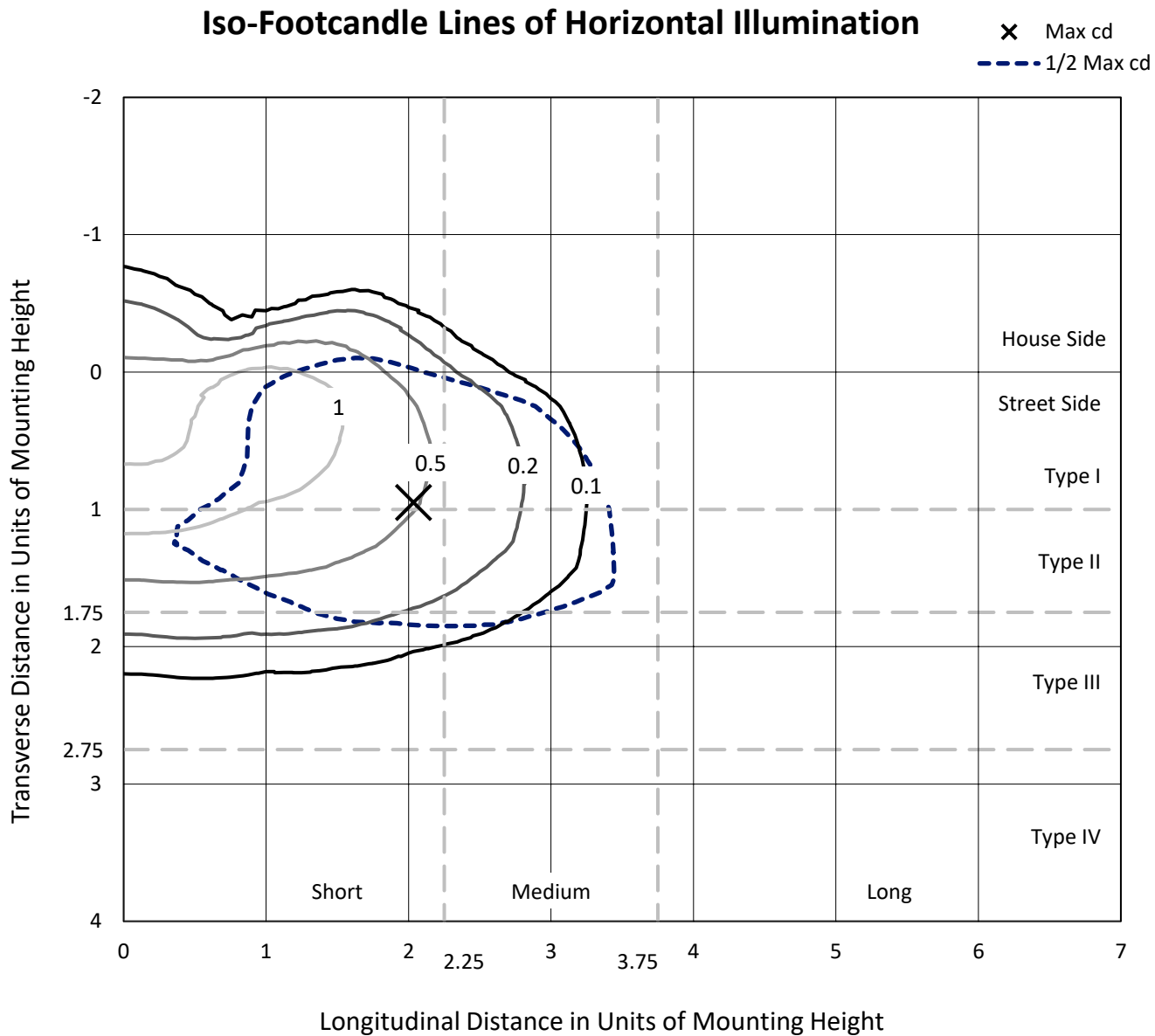
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5538 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 54
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

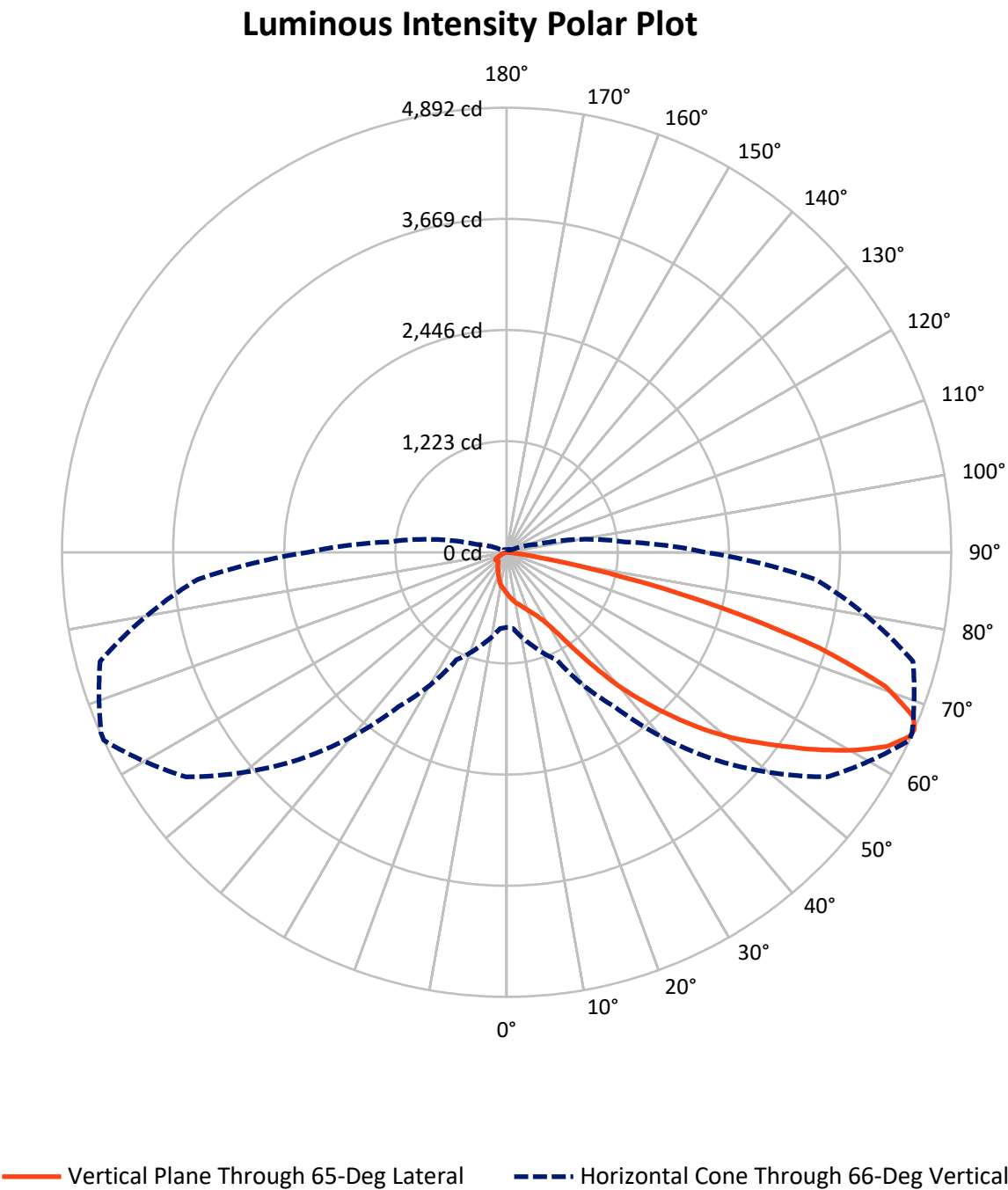


REPORT NUMBER: P1210206
CATALOG NUMBER: ARCH2-50-730-U-T3RE-HSS



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Short - N/A

REPORT NUMBER: P1210206
CATALOG NUMBER: ARCH2-50-730-U-T3RE-HSS



REPORT NUMBER: P1210206

CATALOG NUMBER: ARCH2-50-730-U-T3RE-HSS

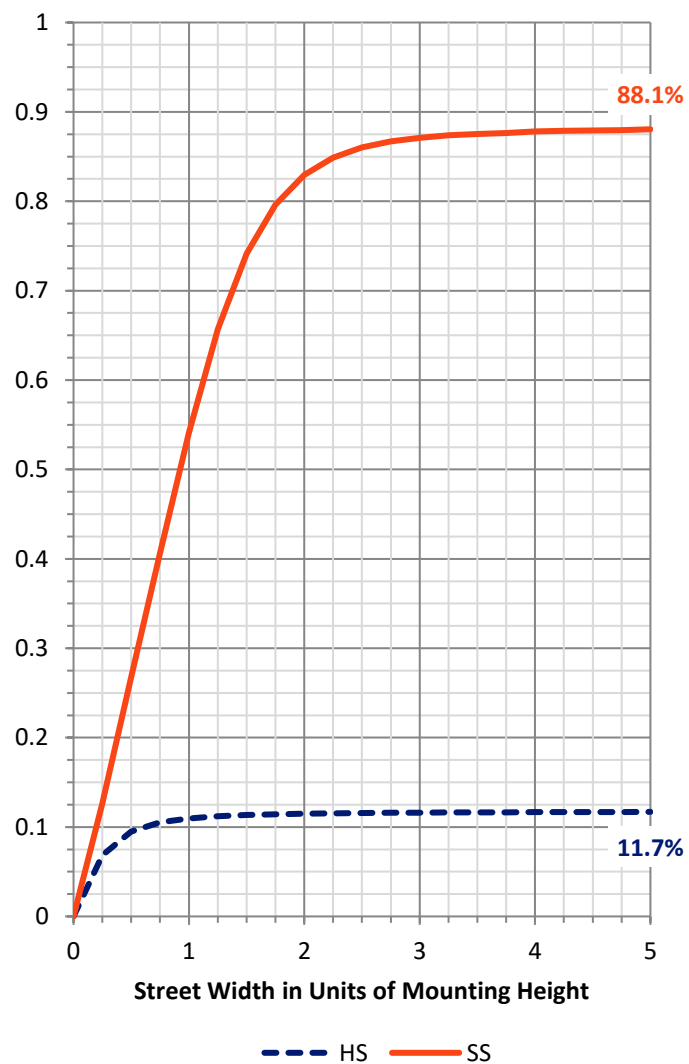
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	653.6	0.0	653.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4884.4	0.0	4884.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	5538.0	0.0	5538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	0.8
10°-20°	126.6	2.3
20°-30°	231.8	4.2
30°-40°	470.9	8.5
40°-50°	994.5	18.0
50°-60°	1528.8	27.6
60°-70°	1538.9	27.8
70°-80°	575.0	10.4
80°-90°	28.7	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°	5538.0	100.0
0°-180°	5538.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210206

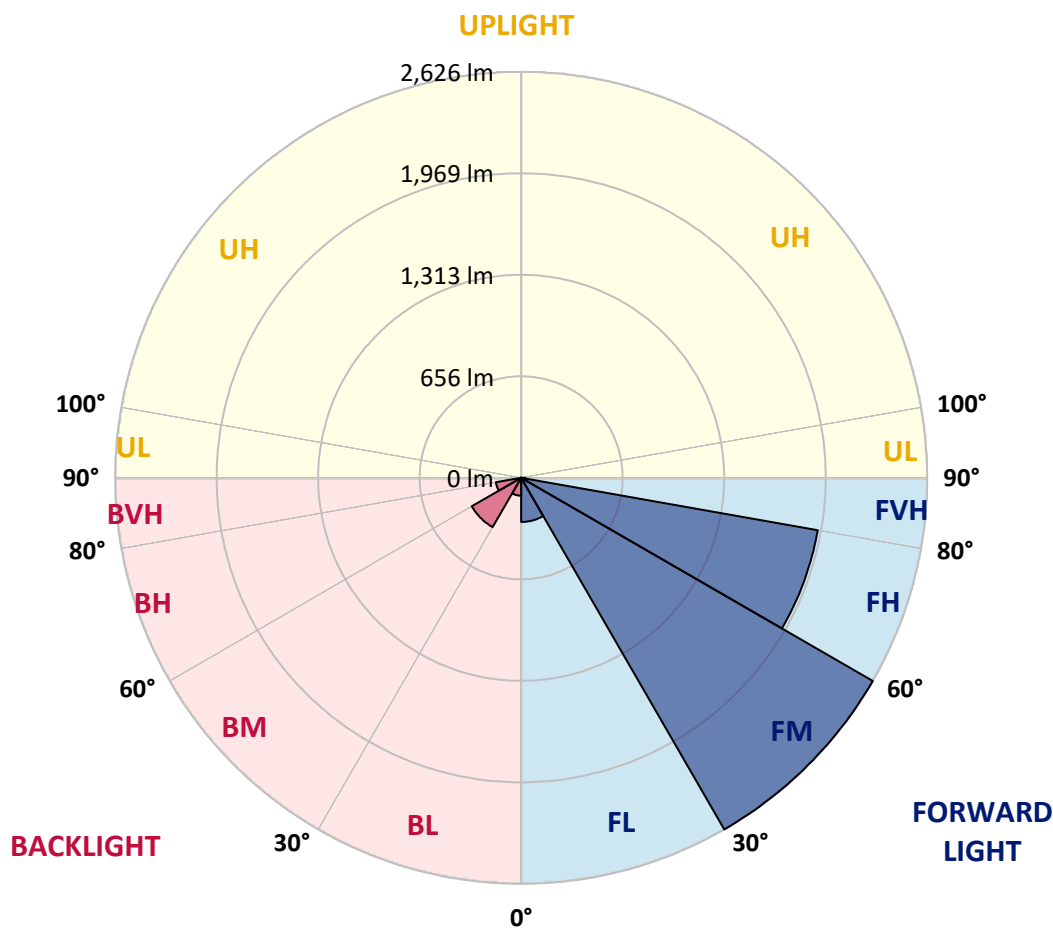
CATALOG NUMBER: ARCH2-50-730-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.5	5.2			
FM	(30°-60°)	2625.7	47.4			
FH	(60°-80°)	1947.8	35.2			G2/5000
FVH	(80°-90°)	25.3	0.5			G1/100
BL	(0°-30°)	115.7	2.1	B1/500		
BM	(30°-60°)	368.5	6.7	B1/1000		
BH	(60°-80°)	166.0	3.0	B1/500		G1/500
BVH	(80°-90°)	3.4	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 III Short



REPORT NUMBER: P1210206

CATALOG NUMBER: ARCH2-50-730-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2
2.5°	514.5	515.5	513.5	509.5	505.5	500.4	492.4	479.3	477.3	468.3	458.2
5°	549.7	551.7	548.7	547.7	545.6	538.6	527.6	508.5	506.5	488.4	465.3
7.5°	561.7	564.7	562.7	562.7	562.7	559.7	554.7	537.6	534.6	511.5	476.3
10°	570.8	572.8	571.8	575.8	578.8	576.8	573.8	563.7	560.7	537.6	491.4
12.5°	584.8	585.8	586.9	588.9	593.9	595.9	594.9	585.8	583.8	567.8	510.5
15°	597.9	597.9	598.9	608.0	615.0	619.0	620.0	613.0	611.0	597.9	534.6
17.5°	610.0	611.0	614.0	624.0	636.1	644.1	649.2	646.1	643.1	633.1	562.7
20°	628.1	630.1	633.1	647.1	659.2	672.3	682.3	681.3	680.3	673.3	595.9
22.5°	659.2	661.2	666.2	679.3	691.4	707.4	724.5	723.5	720.5	715.5	635.1
25°	706.4	706.4	709.4	720.5	735.6	754.7	770.7	773.8	770.7	767.7	684.3
27.5°	765.7	766.7	766.7	778.8	792.9	817.0	837.1	840.1	840.1	837.1	750.6
30°	848.1	845.1	843.1	853.1	868.2	903.4	938.6	944.6	941.6	946.6	844.1
32.5°	989.8	984.8	967.7	969.7	978.8	1027.0	1086.3	1107.4	1106.4	1115.4	994.8
35°	1185.8	1175.7	1150.6	1129.5	1128.5	1180.7	1271.2	1350.6	1349.6	1380.7	1223.9
37.5°	1406.8	1419.9	1372.7	1336.5	1325.4	1366.6	1483.2	1655.0	1664.1	1718.3	1524.4
40°	1702.3	1710.3	1650.0	1598.8	1546.5	1561.6	1715.3	1982.6	1998.7	2059.0	1824.9
42.5°	1959.5	1967.6	1932.4	1870.1	1803.8	1775.6	1949.5	2280.1	2293.1	2376.5	2134.4
45°	2134.4	2140.4	2152.5	2158.5	2083.1	2024.8	2235.9	2585.6	2601.6	2698.1	2436.8
47.5°	2271.0	2276.1	2300.2	2360.5	2345.4	2299.2	2527.3	2903.1	2907.1	3014.6	2731.3
50°	2334.3	2346.4	2405.7	2498.1	2564.5	2577.5	2843.8	3203.6	3214.6	3317.1	3009.6
52.5°	2264.0	2268.0	2417.7	2591.6	2725.2	2857.9	3161.4	3481.9	3514.1	3590.4	3259.8
55°	2026.8	2056.0	2283.1	2588.6	2851.8	3124.2	3501.0	3782.4	3811.5	3859.7	3479.9
57.5°	1751.5	1783.7	2060.0	2458.9	2906.1	3370.4	3815.5	4101.9	4122.0	4135.1	3681.9
60°	1513.3	1543.5	1827.9	2210.7	2851.8	3544.2	4108.0	4419.5	4436.5	4401.4	3783.4
62.5°	1220.9	1251.1	1537.5	1882.1	2638.8	3579.4	4325.0	4701.8	4708.9	4613.4	3721.1
65°	920.5	940.6	1179.7	1475.2	2266.0	3392.5	4374.2	4877.7	4870.7	4674.7	3534.2
66°	825.0	842.1	1053.1	1304.3	2072.1	3221.6	4307.9	4891.8	4884.7	4629.5	3411.6
67.5°	711.5	716.5	890.3	1067.2	1733.4	2858.9	4105.9	4827.4	4833.5	4504.9	3187.5
70°	555.7	554.7	655.2	742.6	1183.7	2033.9	3424.6	4422.5	4451.6	4034.6	2718.2
72.5°	355.7	343.7	402.0	454.2	689.3	1180.7	2497.1	3604.5	3653.7	3169.4	2024.8
75°	212.0	200.0	214.0	227.1	330.6	567.8	1468.1	2452.9	2500.1	2031.9	1204.9
77.5°	158.8	153.7	154.8	143.7	146.7	213.0	670.3	1296.3	1330.5	832.0	457.2
80°	121.6	108.5	101.5	106.5	96.5	84.4	249.2	446.2	467.3	197.0	95.5
82.5°	81.4	70.3	65.3	71.3	61.3	47.2	60.3	86.4	84.4	53.3	37.2
85°	42.2	36.2	36.2	36.2	31.2	23.1	26.1	35.2	35.2	28.1	22.1
87.5°	12.1	11.1	13.1	12.1	9.0	9.0	10.0	12.1	12.1	11.1	10.0
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: P1210206

CATALOG NUMBER: ARCH2-50-730-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2
2.5°	450.2	446.2	435.1	427.1	419.0	412.0	404.0	402.0	397.9	398.9	396.9
5°	453.2	442.1	423.1	405.0	390.9	378.8	363.8	357.7	349.7	346.7	344.7
7.5°	457.2	441.1	413.0	387.9	363.8	339.6	315.5	301.5	292.4	288.4	285.4
10°	466.3	445.2	408.0	368.8	327.6	293.4	269.3	259.3	253.2	252.2	251.2
12.5°	478.3	451.2	403.0	344.7	290.4	258.3	243.2	240.2	239.2	239.2	238.2
15°	496.4	461.2	394.9	316.5	261.3	239.2	232.1	227.1	225.1	225.1	225.1
17.5°	514.5	473.3	382.9	287.4	241.2	227.1	220.1	217.1	215.0	216.0	215.0
20°	537.6	487.4	366.8	262.3	228.1	217.1	210.0	207.0	206.0	206.0	206.0
22.5°	563.7	503.4	346.7	243.2	217.1	207.0	200.0	197.0	194.9	196.0	196.0
25°	598.9	523.5	325.6	224.1	206.0	197.0	188.9	184.9	184.9	185.9	186.9
27.5°	644.1	547.7	304.5	212.0	196.0	186.9	177.9	173.8	174.8	176.9	176.9
30°	710.5	580.8	283.4	199.0	184.9	174.8	166.8	162.8	164.8	168.8	168.8
32.5°	804.9	635.1	265.3	183.9	168.8	157.8	149.7	146.7	151.7	159.8	159.8
35°	973.7	734.6	254.2	168.8	151.7	138.7	128.6	125.6	132.6	142.7	142.7
37.5°	1199.8	894.3	258.3	155.8	137.7	122.6	111.5	107.5	112.5	121.6	124.6
40°	1452.1	1087.3	293.4	144.7	124.6	109.5	98.5	94.5	97.5	101.5	102.5
42.5°	1704.3	1292.3	359.7	136.7	114.6	98.5	88.4	85.4	87.4	88.4	89.4
45°	1955.5	1495.3	443.2	131.6	105.5	89.4	79.4	79.4	80.4	80.4	80.4
47.5°	2193.7	1693.2	530.6	130.6	97.5	80.4	72.4	73.4	73.4	74.4	74.4
50°	2418.7	1870.1	619.0	133.6	90.4	72.4	66.3	66.3	66.3	67.3	66.3
52.5°	2606.7	2024.8	711.5	138.7	83.4	66.3	60.3	60.3	60.3	61.3	60.3
55°	2784.5	2165.5	805.9	145.7	77.4	61.3	55.3	53.3	53.3	54.3	53.3
57.5°	2929.2	2259.0	895.3	146.7	72.4	56.3	51.2	48.2	48.2	48.2	48.2
60°	2935.3	2204.7	921.5	128.6	66.3	51.2	46.2	42.2	43.2	43.2	43.2
62.5°	2743.3	1919.3	740.6	96.5	59.3	46.2	42.2	38.2	38.2	38.2	38.2
65°	2366.5	1493.3	434.1	76.4	51.2	41.2	37.2	34.2	34.2	34.2	33.2
66°	2189.6	1309.4	332.6	69.3	48.2	40.2	36.2	33.2	32.2	31.2	31.2
67.5°	1901.2	1035.0	208.0	61.3	44.2	37.2	33.2	30.1	29.1	28.1	28.1
70°	1432.0	657.2	101.5	47.2	38.2	32.2	29.1	26.1	25.1	24.1	23.1
72.5°	1004.9	384.9	53.3	36.2	31.2	28.1	25.1	22.1	21.1	20.1	20.1
75°	567.8	185.9	35.2	26.1	25.1	23.1	21.1	18.1	17.1	17.1	17.1
77.5°	215.0	64.3	24.1	19.1	20.1	18.1	15.1	15.1	14.1	15.1	14.1
80°	56.3	28.1	15.1	14.1	15.1	13.1	11.1	12.1	12.1	12.1	12.1
82.5°	30.1	16.1	9.0	10.0	9.0	9.0	7.0	8.0	9.0	8.0	9.0
85°	21.1	8.0	5.0	5.0	4.0	4.0	3.0	4.0	5.0	4.0	4.0
87.5°	11.1	3.0	3.0	3.0	3.0	2.0	1.0	0.0	1.0	1.0	1.0
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)