

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: P1209909

Luminaire Tested: **ARCH1-20-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209909
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: ARCH1-20-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 700mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3084 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 23.5
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

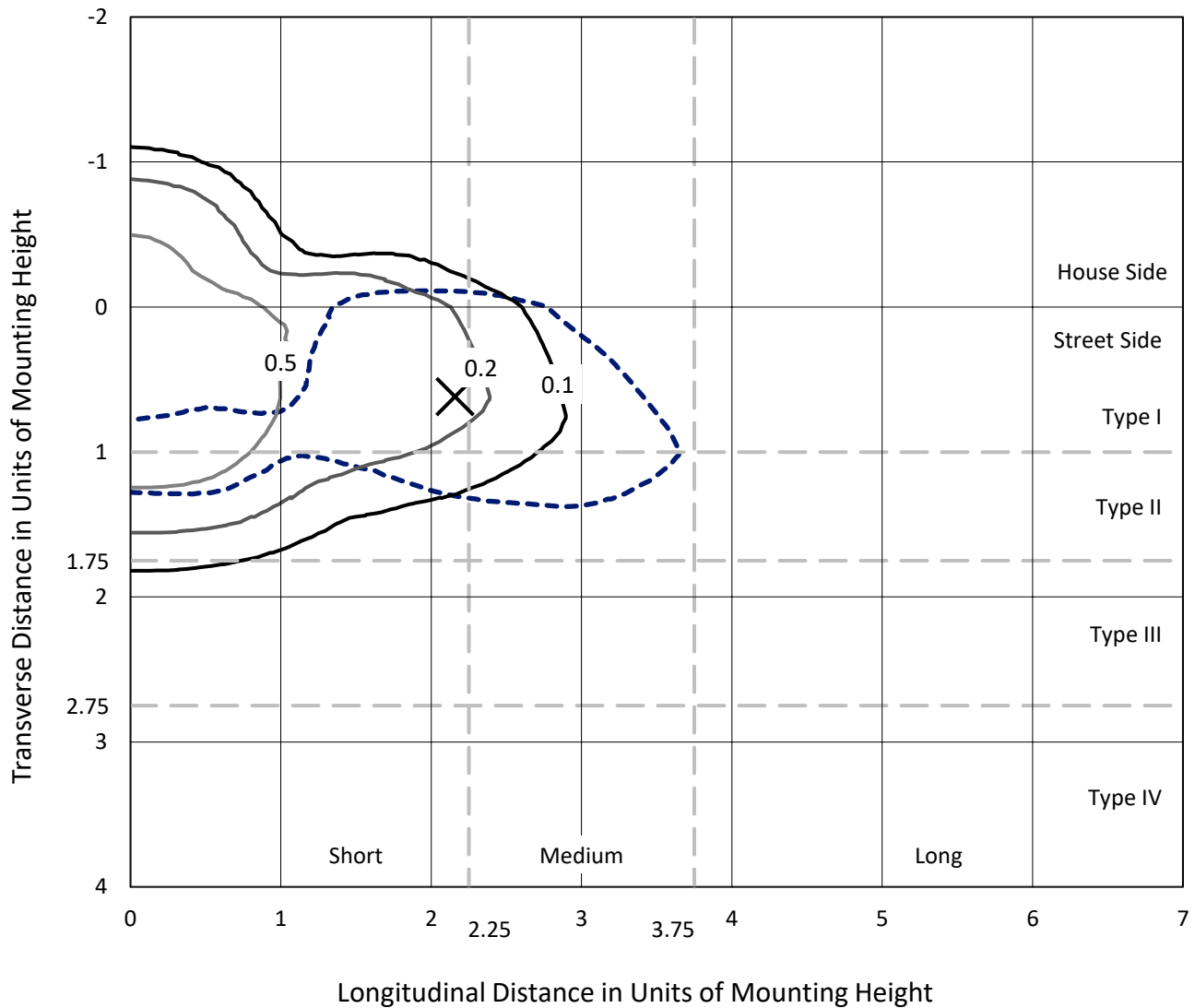


REPORT NUMBER: P1209909

CATALOG NUMBER: ARCH1-20-722-U-T2RE

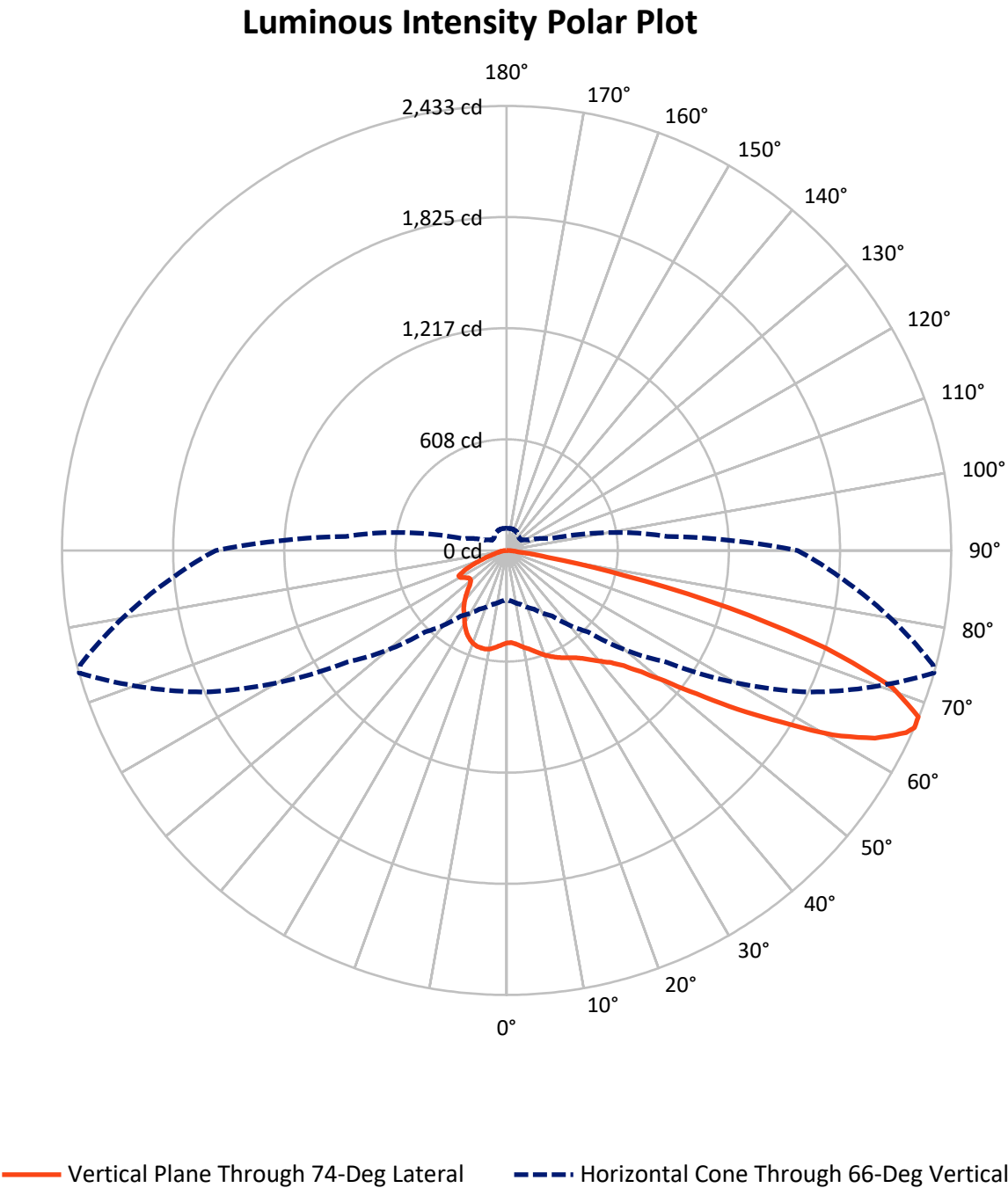
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type II - Short - N/A

REPORT NUMBER: P1209909
CATALOG NUMBER: ARCH1-20-722-U-T2RE



REPORT NUMBER: P1209909

CATALOG NUMBER: ARCH1-20-722-U-T2RE

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	751.0	0.0	751.0
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	2333.0	0.0	2333.0
	% Fixture	75.6	0.0	75.6
Total	Lumens	3084.0	0.0	3084.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	1.6
10°-20°	148.3	4.8
20°-30°	278.3	9.0
30°-40°	428.1	13.9
40°-50°	575.8	18.7
50°-60°	681.0	22.1
60°-70°	629.9	20.4
70°-80°	265.0	8.6
80°-90°	29.3	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°	3084.0	100.0
0°-180°	3084.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1209909

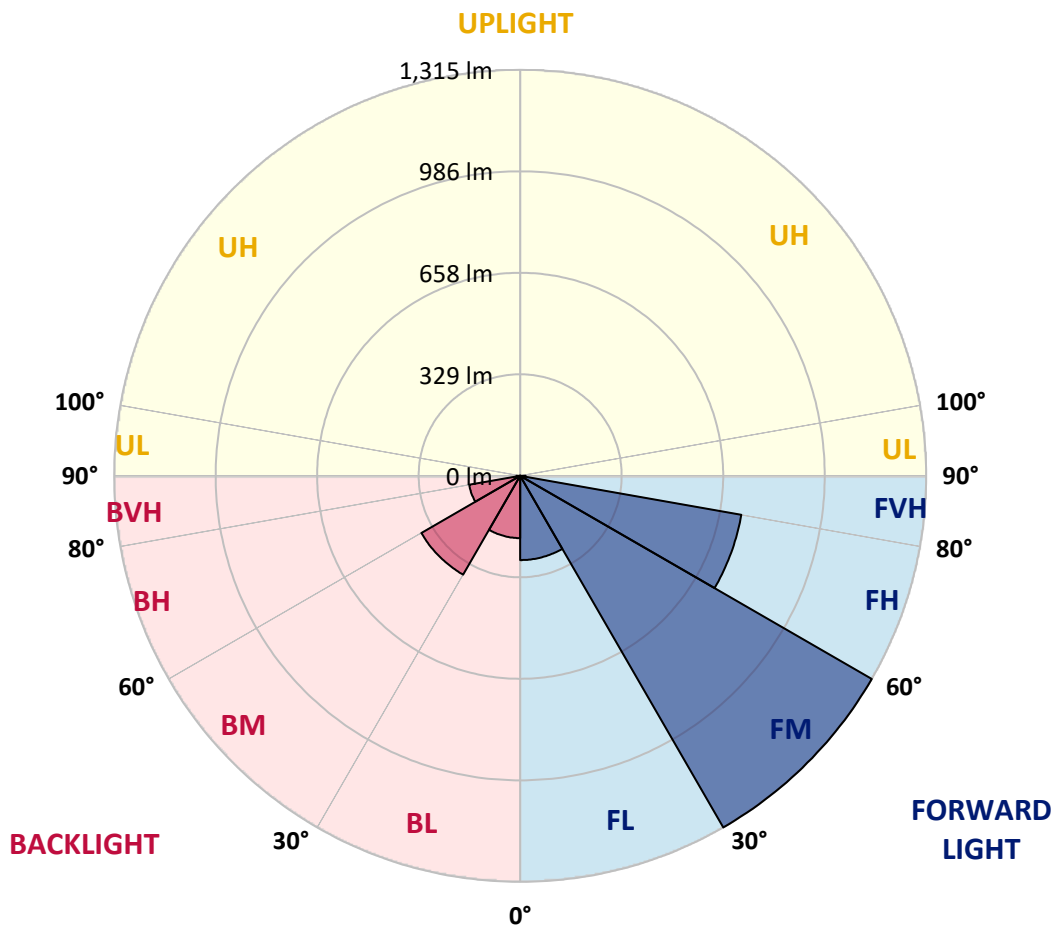
CATALOG NUMBER: ARCH1-20-722-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	273.0	8.9			
FM	(30°-60°)	1315.2	42.6			
FH	(60°-80°)	727.3	23.6			G1/1800
FVH	(80°-90°)	17.5	0.6			G1/100
BL	(0°-30°)	201.9	6.5	B1/500		
BM	(30°-60°)	369.7	12.0	B1/1000		
BH	(60°-80°)	167.7	5.4	B1/500		G1/500
BVH	(80°-90°)	11.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P1209909

CATALOG NUMBER: ARCH1-20-722-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6
2.5°	504.0	503.2	504.8	507.2	508.3	506.4	505.6	505.2	505.2	504.0	506.0
5°	480.2	479.8	483.3	487.7	496.0	502.0	509.9	514.7	513.1	510.7	512.3
7.5°	449.2	448.4	452.8	461.1	472.6	485.7	505.2	520.3	526.2	525.4	525.0
10°	461.1	460.3	459.9	457.6	461.5	474.2	494.5	521.0	541.3	541.7	542.1
12.5°	502.4	504.4	502.4	494.9	486.1	481.4	493.3	523.0	554.0	556.4	566.3
15°	558.7	556.8	552.8	544.1	530.6	516.3	507.6	532.2	572.2	574.2	596.0
17.5°	608.4	609.9	607.6	599.2	583.4	564.7	538.1	548.0	591.7	597.2	627.8
20°	662.3	668.7	665.5	655.2	642.1	614.3	581.0	571.0	613.1	617.1	660.7
22.5°	724.6	731.4	725.4	715.5	704.8	670.7	627.8	599.2	631.0	639.3	692.5
25°	799.2	805.6	800.0	784.5	771.1	729.4	678.2	631.0	648.4	657.6	718.3
27.5°	858.4	863.1	868.3	859.2	838.5	795.3	730.6	663.9	665.9	675.4	742.1
30°	911.1	923.0	927.4	928.6	911.1	862.7	784.1	698.0	681.0	690.9	765.9
32.5°	983.4	1001.2	994.1	1001.2	990.9	926.2	839.7	733.4	700.4	709.5	788.5
35°	1088.9	1103.2	1084.6	1079.0	1062.3	990.5	893.3	769.9	726.2	736.1	809.9
37.5°	1202.4	1218.7	1191.7	1169.5	1137.7	1054.0	939.3	817.9	761.9	769.9	829.8
40°	1301.6	1315.1	1291.7	1262.3	1209.2	1110.0	979.0	851.6	797.6	807.6	852.8
42.5°	1393.3	1402.0	1375.8	1347.7	1276.6	1160.4	1021.9	887.3	839.3	848.8	871.5
45°	1486.2	1492.9	1456.4	1416.3	1333.0	1206.4	1069.1	937.3	900.4	913.1	901.6
47.5°	1502.8	1504.8	1498.5	1471.5	1377.4	1250.4	1127.4	1004.4	993.7	1007.6	953.6
50°	1387.3	1405.2	1444.5	1471.1	1395.3	1287.3	1185.7	1100.4	1122.3	1140.1	1061.5
52.5°	1163.1	1180.2	1271.1	1371.9	1352.4	1295.7	1248.4	1222.3	1303.6	1325.0	1208.4
55°	926.6	941.7	1037.7	1183.0	1213.9	1257.6	1315.5	1377.8	1535.0	1549.3	1369.5
57.5°	763.1	771.5	840.1	979.8	1029.4	1135.7	1351.6	1562.7	1770.3	1792.1	1509.6
60°	625.8	634.9	686.1	801.2	867.1	961.5	1323.1	1745.3	2051.2	2051.2	1689.3
62.5°	471.0	479.0	526.6	616.7	727.4	813.9	1231.8	1866.3	2263.2	2253.6	1819.5
65°	323.4	329.8	364.3	424.2	523.8	693.7	1107.2	1867.9	2403.6	2390.9	1875.1
66°	271.4	277.0	306.4	354.8	438.5	629.4	1063.1	1834.2	2433.0	2415.1	1851.6
67.5°	214.3	218.3	237.7	266.3	321.4	509.5	993.7	1738.5	2430.2	2419.5	1792.1
70°	153.2	156.0	170.2	176.2	190.1	294.8	789.3	1522.7	2235.4	2238.6	1558.0
72.5°	118.7	123.0	131.7	132.9	129.8	156.8	479.0	1270.3	1828.6	1827.4	1156.4
75°	95.6	98.0	102.4	104.8	104.0	101.2	202.8	947.6	1258.8	1273.4	647.6
77.5°	75.4	75.0	79.0	82.1	84.5	79.4	92.9	555.6	659.9	641.3	243.3
80°	55.6	55.6	61.1	62.3	65.9	66.7	61.9	214.3	226.6	206.0	63.1
82.5°	36.5	36.5	42.5	43.3	46.8	52.0	44.8	64.3	62.7	59.5	28.6
85°	19.8	19.0	21.0	23.8	25.8	30.6	27.0	32.1	32.9	32.5	19.0
87.5°	4.0	3.6	5.6	6.3	7.1	9.5	8.7	13.1	18.3	17.9	8.3
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: P1209909

CATALOG NUMBER: ARCH1-20-722-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6
2.5°	508.7	508.3	512.7	517.9	523.8	527.4	529.0	531.8	529.8	530.6	533.0
5°	516.3	517.5	523.8	530.6	533.3	531.4	527.0	525.4	521.8	521.0	520.3
7.5°	527.4	529.4	535.7	537.3	529.0	515.1	505.2	499.6	493.7	492.1	491.3
10°	545.7	546.8	548.4	532.2	511.5	492.9	480.6	475.4	471.4	468.3	469.1
12.5°	568.7	567.9	555.6	521.8	492.5	473.4	465.1	461.9	459.1	457.2	456.8
15°	597.6	592.1	556.8	507.6	474.6	458.7	452.8	451.6	448.4	448.4	448.0
17.5°	627.0	612.7	556.0	492.5	457.6	448.8	445.3	444.5	443.7	443.3	444.5
20°	656.4	631.0	549.6	473.8	445.6	440.5	439.7	440.1	439.3	440.5	439.7
22.5°	682.2	642.9	537.7	454.0	437.3	436.9	434.9	435.7	438.5	438.9	440.1
25°	702.0	647.2	520.3	435.7	431.4	430.6	432.9	436.1	438.5	438.9	440.9
27.5°	718.3	644.9	498.4	421.4	421.0	425.4	432.6	433.7	434.1	434.1	432.6
30°	730.6	639.7	470.6	405.6	407.6	418.3	425.0	425.0	421.8	421.0	423.4
32.5°	733.4	633.0	440.5	389.3	392.5	405.2	413.5	410.7	407.2	407.2	408.7
35°	735.7	623.8	416.3	367.1	371.8	386.9	394.9	389.3	385.3	384.1	383.7
37.5°	734.9	620.3	394.5	338.9	345.2	359.9	365.1	359.9	354.0	351.2	354.8
40°	735.7	617.9	367.1	307.9	314.3	323.0	329.8	325.8	320.2	313.1	316.7
42.5°	740.5	621.0	336.9	277.8	277.8	282.5	294.1	291.3	277.8	275.0	278.2
45°	765.9	638.1	306.8	247.6	243.3	246.4	258.3	246.4	238.1	238.1	240.9
47.5°	827.4	669.9	280.2	221.0	210.7	217.1	220.2	209.1	202.8	201.2	204.0
50°	952.8	733.4	264.3	199.2	186.5	191.3	189.3	188.9	182.5	183.3	184.9
52.5°	1143.3	857.2	259.5	188.5	172.6	173.8	171.8	172.6	171.4	175.4	176.6
55°	1350.8	987.7	265.5	190.1	163.1	154.8	155.6	159.5	164.3	170.6	171.8
57.5°	1506.0	1053.2	281.0	200.8	151.2	138.5	140.5	148.0	157.1	162.3	165.1
60°	1621.5	1045.3	303.6	203.6	136.9	123.8	127.4	138.5	146.4	150.8	153.6
62.5°	1659.2	995.7	309.1	183.3	118.3	109.9	118.7	130.2	133.7	138.5	140.5
65°	1628.2	925.4	268.7	148.8	104.0	99.6	112.3	121.0	125.8	128.2	128.6
66°	1591.7	883.4	246.8	135.3	98.8	96.4	109.9	117.1	121.8	121.4	121.8
67.5°	1511.6	795.3	211.5	116.3	91.3	91.7	106.0	110.7	112.3	111.1	111.1
70°	1238.9	559.9	151.6	88.1	80.2	85.7	95.2	96.4	100.0	98.4	98.4
72.5°	763.9	275.0	101.6	67.5	71.4	80.2	79.8	83.7	92.1	94.4	96.0
75°	375.4	111.5	67.1	57.1	63.9	67.1	66.3	76.2	88.1	98.4	102.0
77.5°	142.5	55.6	46.8	50.0	51.6	50.4	52.8	69.0	88.1	106.7	110.3
80°	44.0	38.5	36.9	41.3	38.9	36.9	39.7	57.1	74.6	81.0	81.0
82.5°	26.6	30.2	28.6	28.2	26.2	26.6	28.6	40.9	57.5	60.3	60.3
85°	18.7	19.8	16.3	15.5	15.1	14.7	14.7	23.8	34.1	33.7	34.9
87.5°	7.1	7.9	6.0	6.0	5.6	4.0	3.2	4.0	4.0	2.8	2.0
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)