

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: P1209911

Luminaire Tested: **ARCH1-20-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209911
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: ARCH1-20-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 700mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

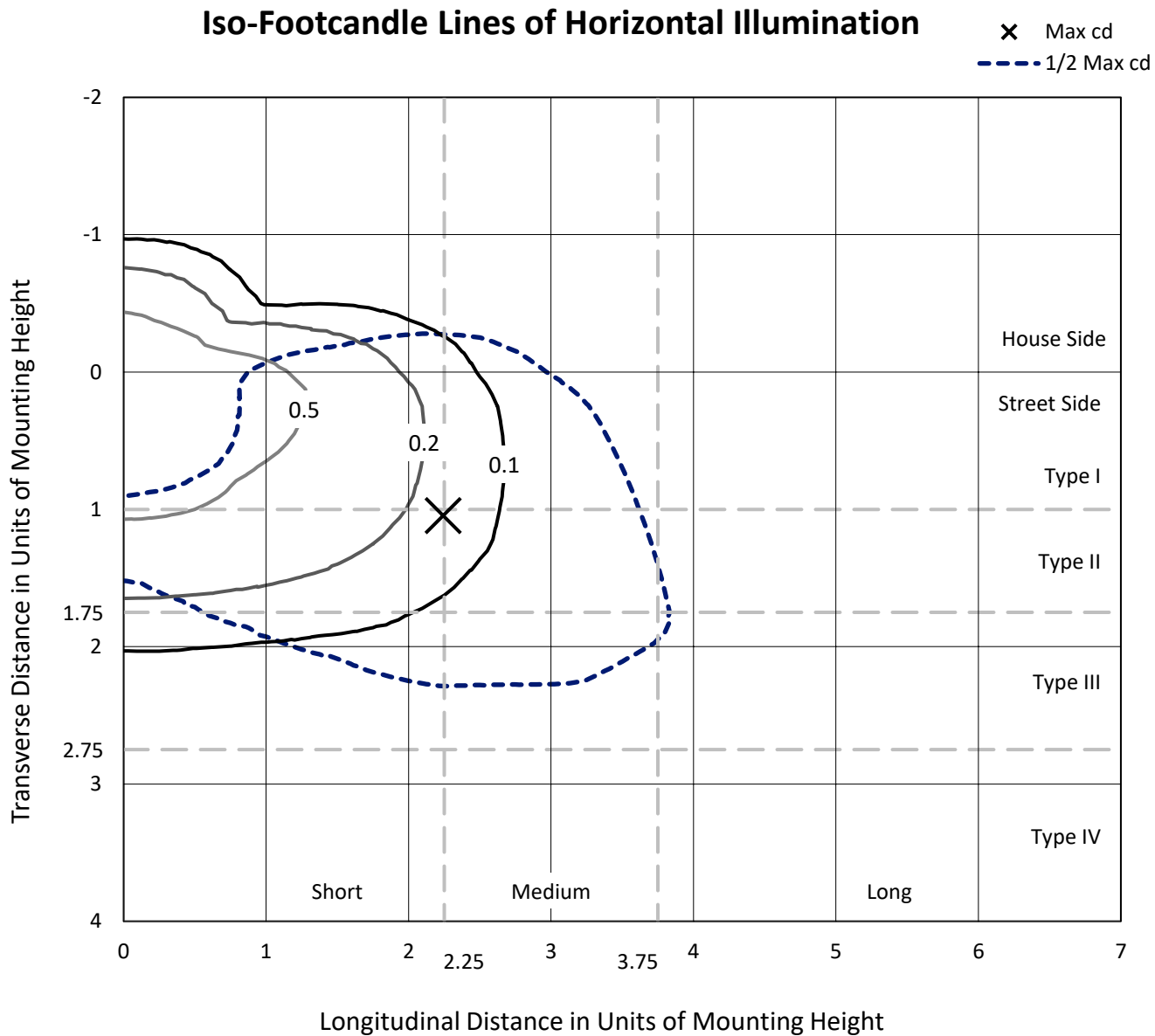
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3057 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - 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: P1209911
CATALOG NUMBER: ARCH1-20-722-U-T3RE

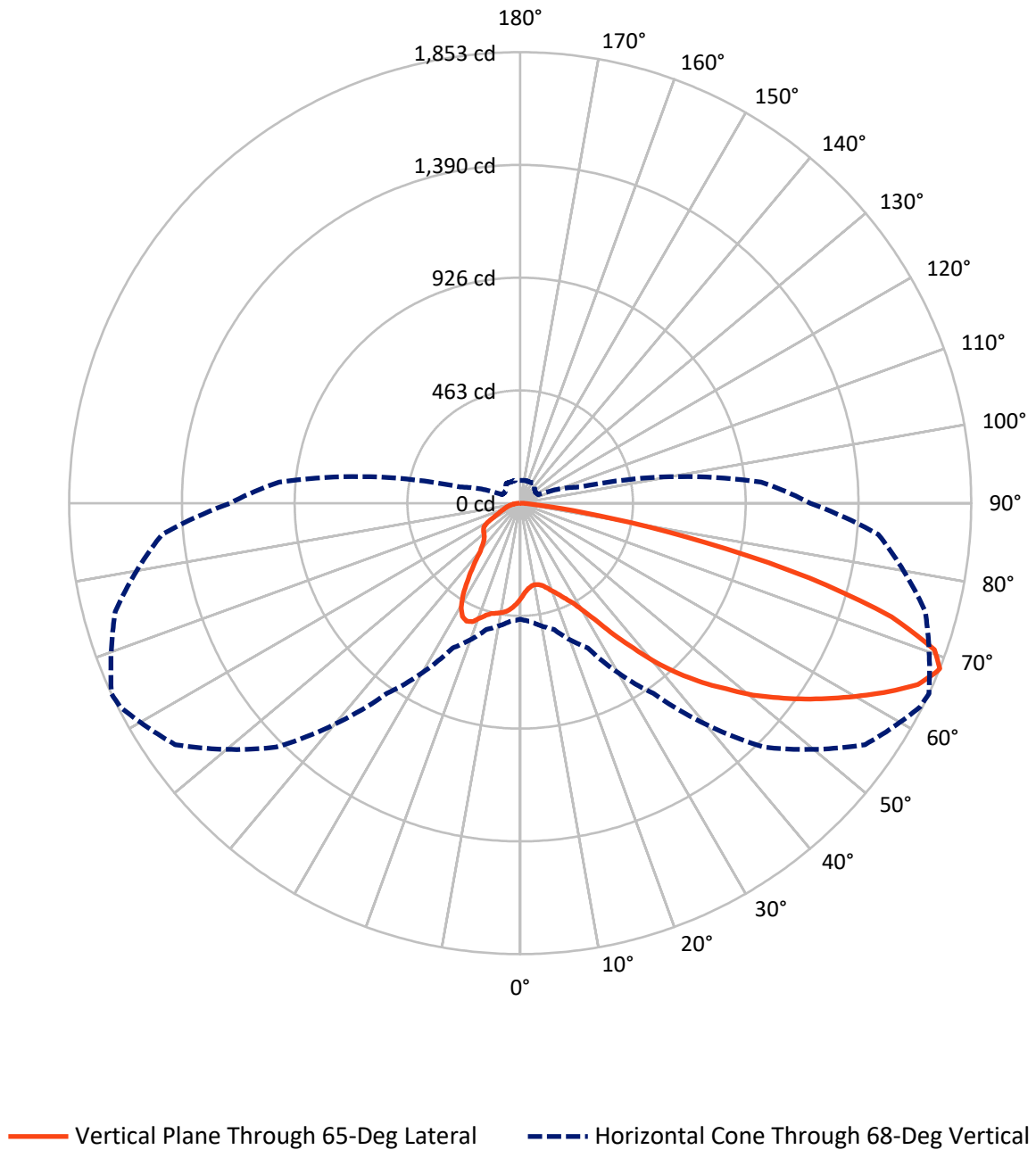


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Short - N/A

REPORT NUMBER: P1209911

CATALOG NUMBER: ARCH1-20-722-U-T3RE

Luminous Intensity Polar Plot



REPORT NUMBER: P1209911

CATALOG NUMBER: ARCH1-20-722-U-T3RE

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	749.5	0.0	749.5
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	2307.5	0.0	2307.5
	% Fixture	75.5	0.0	75.5
Total	Lumens	3057.0	0.0	3057.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	1.2
10°-20°	121.6	4.0
20°-30°	220.0	7.2
30°-40°	346.1	11.3
40°-50°	515.5	16.9
50°-60°	676.2	22.1
60°-70°	739.5	24.2
70°-80°	365.9	12.0
80°-90°	34.9	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°	3057.0	100.0
0°-180°	3057.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1209911

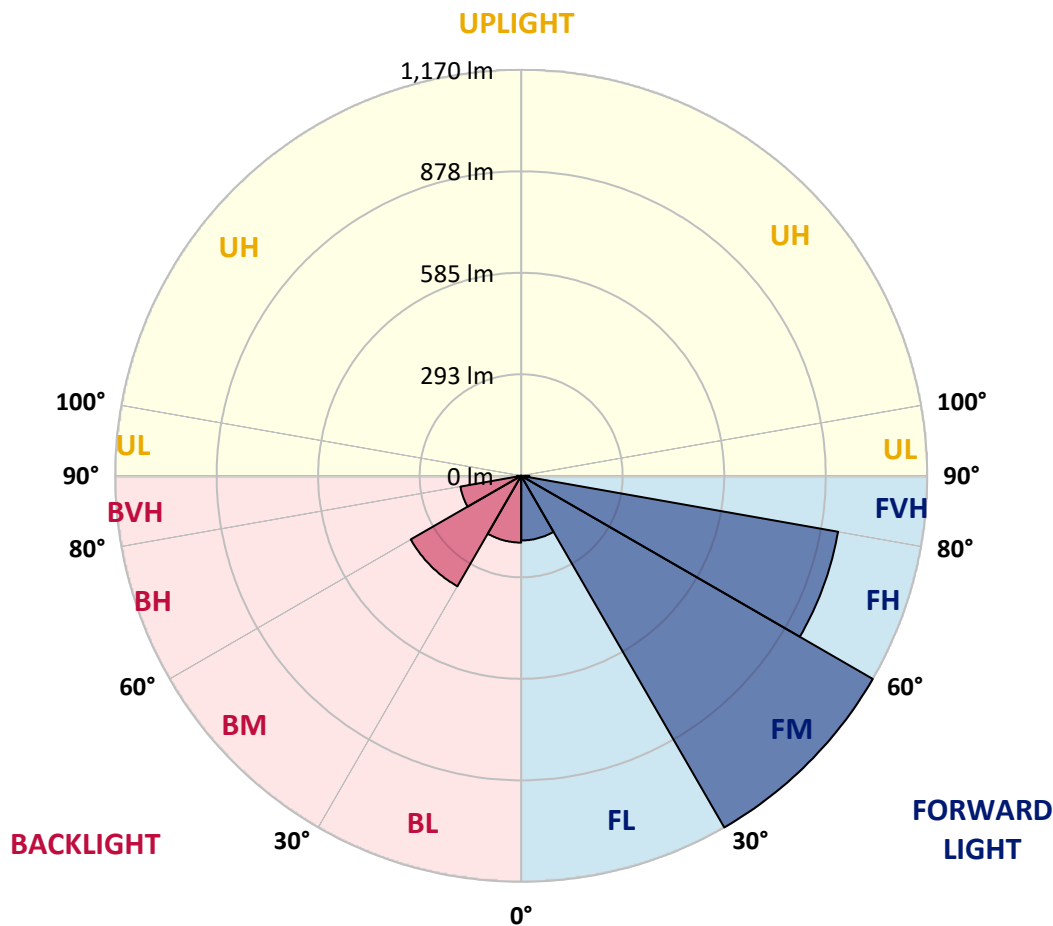
CATALOG NUMBER: ARCH1-20-722-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.4	6.1			
FM	(30°-60°)	1170.2	38.3			
FH	(60°-80°)	927.5	30.3			G1/1800
FVH	(80°-90°)	23.5	0.8			G1/100
BL	(0°-30°)	192.5	6.3	B1/500		
BM	(30°-60°)	367.6	12.0	B1/1000		
BH	(60°-80°)	177.9	5.8	B1/500		G1/500
BVH	(80°-90°)	11.4	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 III Short



REPORT NUMBER: P1209911

CATALOG NUMBER: ARCH1-20-722-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6
2.5°	341.0	340.2	342.2	344.1	348.5	353.6	360.7	366.6	367.4	378.4	387.1
5°	320.9	319.7	321.7	324.0	326.0	332.3	339.8	348.5	352.0	368.2	386.7
7.5°	322.8	322.5	323.2	322.5	322.5	325.2	330.3	339.0	342.9	362.3	388.7
10°	334.3	335.1	335.5	333.1	330.7	329.5	331.1	337.0	339.8	362.7	397.3
12.5°	353.2	354.4	354.8	350.4	347.3	342.2	339.4	341.8	343.7	366.6	409.6
15°	378.8	379.6	376.9	374.1	366.2	359.9	353.2	351.2	352.0	374.9	423.4
17.5°	408.8	407.6	407.6	400.9	390.6	380.8	369.8	368.2	368.2	388.3	443.1
20°	441.5	442.7	439.1	430.1	419.8	404.4	393.4	386.3	387.1	403.7	467.1
22.5°	488.8	490.8	481.3	468.3	452.5	434.8	419.0	407.6	408.0	423.8	492.0
25°	539.7	540.4	534.5	517.2	495.9	470.7	449.8	435.2	434.8	446.2	523.9
27.5°	591.7	595.2	583.4	566.9	547.1	515.6	488.0	468.3	465.2	480.5	563.7
30°	645.3	649.6	638.2	622.0	597.6	570.8	538.1	515.2	513.2	533.7	616.9
32.5°	699.3	700.5	691.4	678.0	655.9	630.7	604.3	579.1	577.1	610.6	685.9
35°	743.5	747.0	740.7	737.5	721.4	698.1	672.5	657.9	663.0	706.0	775.4
37.5°	796.7	800.2	793.1	792.3	787.2	767.1	749.4	750.5	755.7	814.0	869.6
40°	873.5	877.5	859.3	851.5	851.5	831.8	825.8	853.8	860.5	920.4	967.7
42.5°	938.6	944.9	934.2	929.1	913.7	899.9	907.0	946.5	957.9	1022.1	1053.3
45°	970.1	974.8	987.5	1002.4	987.5	963.4	990.2	1034.8	1050.9	1116.0	1138.8
47.5°	987.1	991.4	1006.0	1046.2	1056.4	1036.3	1074.2	1129.8	1140.8	1209.0	1220.4
50°	989.4	1003.2	1022.1	1062.4	1109.3	1112.0	1158.5	1226.3	1239.3	1300.4	1292.2
52.5°	970.1	975.6	1014.7	1082.5	1134.5	1181.8	1250.4	1319.0	1328.4	1386.4	1355.6
55°	938.6	946.5	985.5	1077.7	1158.9	1248.0	1343.8	1410.0	1420.7	1470.0	1414.4
57.5°	910.2	914.1	955.9	1063.9	1183.4	1314.2	1427.0	1505.0	1512.1	1543.3	1457.7
60°	878.7	883.0	924.8	1034.4	1201.5	1364.3	1513.7	1600.8	1607.1	1620.5	1508.2
62.5°	797.1	808.5	860.9	985.5	1196.8	1421.5	1606.3	1695.4	1703.3	1688.7	1548.0
65°	647.3	663.4	727.7	874.7	1152.6	1458.5	1682.0	1782.6	1796.0	1740.0	1558.6
67.5°	502.6	514.0	565.7	694.2	997.7	1440.0	1730.9	1842.5	1846.4	1731.7	1499.5
68°	476.6	488.0	537.3	656.3	954.7	1417.9	1729.7	1844.0	1852.7	1722.6	1476.7
70°	364.6	377.6	424.5	519.9	769.5	1277.6	1657.6	1806.2	1805.0	1613.0	1334.7
72.5°	227.8	235.3	267.7	328.0	508.9	972.1	1406.9	1592.9	1596.1	1315.0	1023.7
75°	144.7	144.7	143.1	158.9	261.0	553.8	1045.8	1226.3	1228.7	920.8	645.3
77.5°	125.7	122.2	105.3	89.1	104.1	215.2	618.9	791.9	778.9	495.9	306.3
80°	106.0	100.1	86.3	71.7	67.0	67.4	237.7	402.1	384.7	178.6	101.7
82.5°	76.5	71.3	65.0	56.4	51.6	40.2	49.7	116.3	113.5	51.6	33.1
85°	41.4	37.4	36.7	37.1	31.1	24.8	20.9	25.6	25.6	22.5	18.9
87.5°	14.6	10.6	12.6	14.2	12.2	10.2	8.3	9.9	10.2	9.9	9.1
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: P1209911

CATALOG NUMBER: ARCH1-20-722-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6
2.5°	392.2	396.2	405.6	413.9	419.8	424.9	427.7	428.9	431.6	432.0	431.2
5°	395.4	405.6	419.8	432.0	438.7	441.5	442.3	442.7	441.5	442.3	441.5
7.5°	403.7	416.7	436.8	447.4	448.6	444.3	444.7	443.1	444.7	446.2	446.2
10°	416.3	432.8	451.7	455.7	450.6	448.2	452.9	462.4	465.5	469.9	469.9
12.5°	432.8	452.5	465.9	462.4	457.7	465.5	479.3	488.8	492.0	493.5	492.3
15°	451.7	473.0	479.7	467.9	476.6	493.5	498.3	492.7	484.9	481.3	483.3
17.5°	475.8	493.5	489.6	481.7	501.4	503.8	488.4	470.7	458.1	453.3	456.5
20°	501.0	516.4	498.3	501.8	514.0	488.8	459.6	436.8	425.7	423.8	426.9
22.5°	527.8	537.7	506.9	525.1	506.9	455.7	420.6	408.8	406.0	409.2	411.9
25°	558.2	557.0	521.9	532.2	480.5	415.1	394.2	393.4	393.4	395.4	399.3
27.5°	592.5	573.9	536.9	522.7	434.8	381.6	377.6	378.0	376.9	377.2	379.2
30°	632.3	596.8	553.5	491.6	383.6	356.4	354.8	353.6	350.8	350.0	350.8
32.5°	682.4	620.9	570.4	440.3	338.6	330.3	329.5	323.2	316.5	315.8	318.5
35°	745.8	664.6	579.1	376.1	301.6	301.2	298.4	288.6	279.9	279.9	277.9
37.5°	818.3	721.0	582.6	313.4	270.8	272.8	264.9	252.3	245.6	241.6	242.8
40°	892.5	785.2	582.2	258.6	244.0	244.4	238.5	223.1	206.6	196.7	199.1
42.5°	963.8	843.6	572.0	229.4	222.3	221.1	216.4	195.5	181.7	173.8	174.2
45°	1021.0	903.9	556.2	212.1	202.6	204.6	193.9	181.3	168.7	161.6	161.2
47.5°	1078.1	949.6	531.0	201.4	188.0	184.5	180.1	171.5	162.0	154.1	154.5
50°	1130.2	988.6	507.3	194.3	174.6	165.6	166.4	161.2	152.9	145.9	145.5
52.5°	1166.8	1014.3	494.3	190.4	158.5	148.6	151.4	148.6	140.7	135.6	135.2
55°	1203.5	1034.0	498.7	185.3	140.7	132.8	137.6	136.8	132.4	130.9	131.3
57.5°	1233.0	1049.0	514.0	175.8	123.8	119.0	126.9	124.6	121.4	121.8	121.8
60°	1261.8	1068.3	532.2	154.1	109.2	109.6	117.1	112.7	110.8	114.3	114.7
62.5°	1291.8	1089.2	517.2	122.6	96.6	99.3	108.0	104.5	105.3	110.4	112.0
65°	1288.2	1087.2	421.4	100.5	85.5	91.1	104.1	102.9	103.3	105.3	106.0
67.5°	1215.7	1017.8	289.7	85.5	77.7	84.4	100.9	96.2	96.6	95.4	95.8
68°	1191.3	993.4	255.4	83.2	76.1	82.8	99.3	95.0	95.4	94.2	93.8
70°	1058.0	850.7	161.6	73.3	70.6	78.4	91.5	89.9	89.5	88.7	88.7
72.5°	806.5	628.0	85.1	63.5	64.3	71.7	81.6	84.8	82.8	83.2	85.5
75°	534.1	377.6	59.1	54.4	56.4	61.5	72.5	78.8	76.9	78.1	76.9
77.5°	282.6	203.4	47.3	46.1	46.1	49.7	59.9	69.8	69.8	69.0	67.8
80°	92.6	71.7	37.8	36.3	37.1	39.0	48.1	57.2	58.3	56.8	56.0
82.5°	31.1	33.1	28.4	26.4	27.2	28.8	36.3	43.8	44.1	41.0	40.2
85°	19.3	22.1	17.7	17.3	17.3	17.7	22.1	24.0	22.1	19.7	20.5
87.5°	9.1	11.0	8.3	7.1	5.9	5.1	3.9	1.6	1.6	0.8	0.8
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)