

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: P1209941

Luminaire Tested: **ARCH1-30-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209941
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: ARCH1-30-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4055 lumens
Efficiency: N/A
Efficacy: 122.9 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

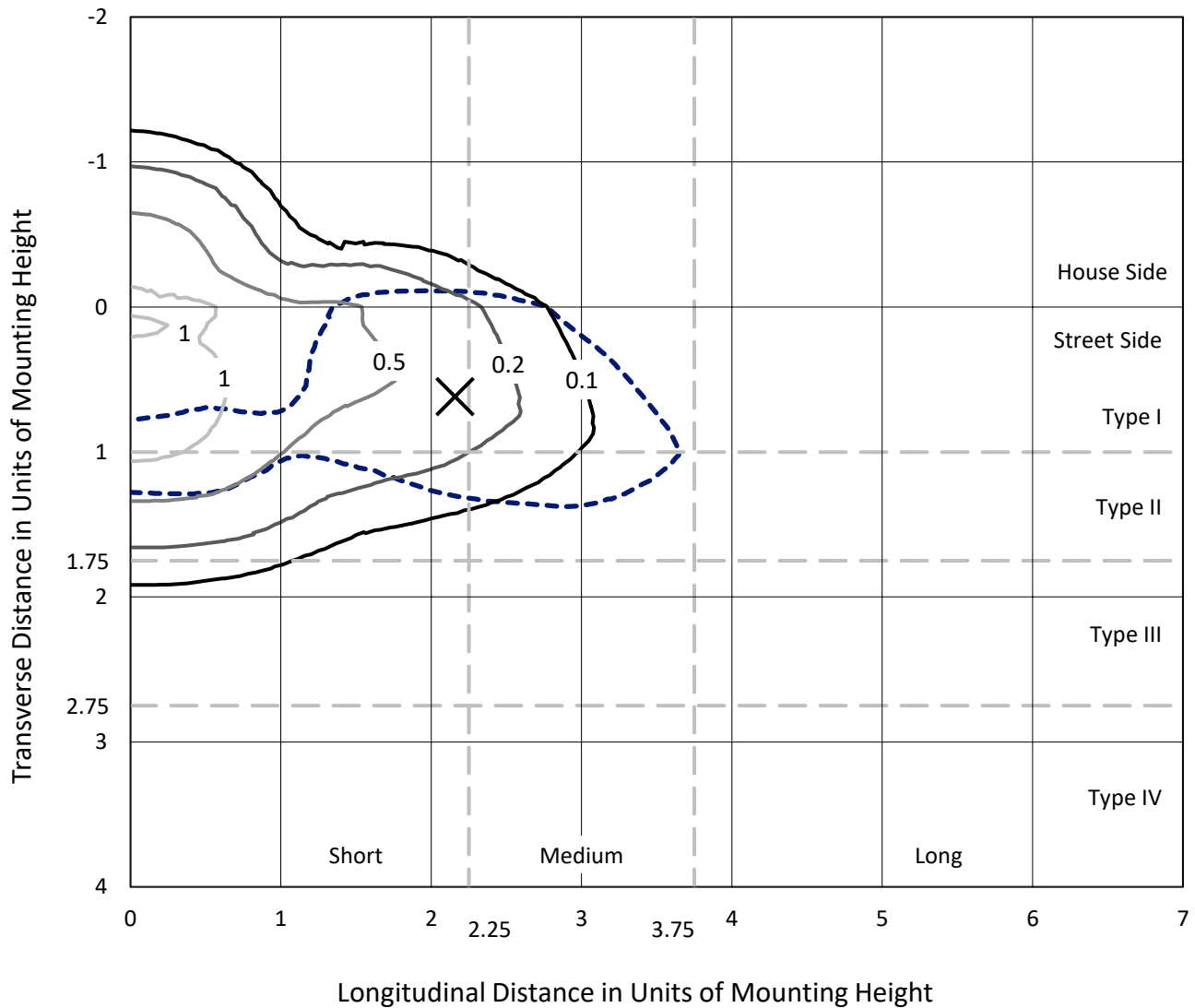
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

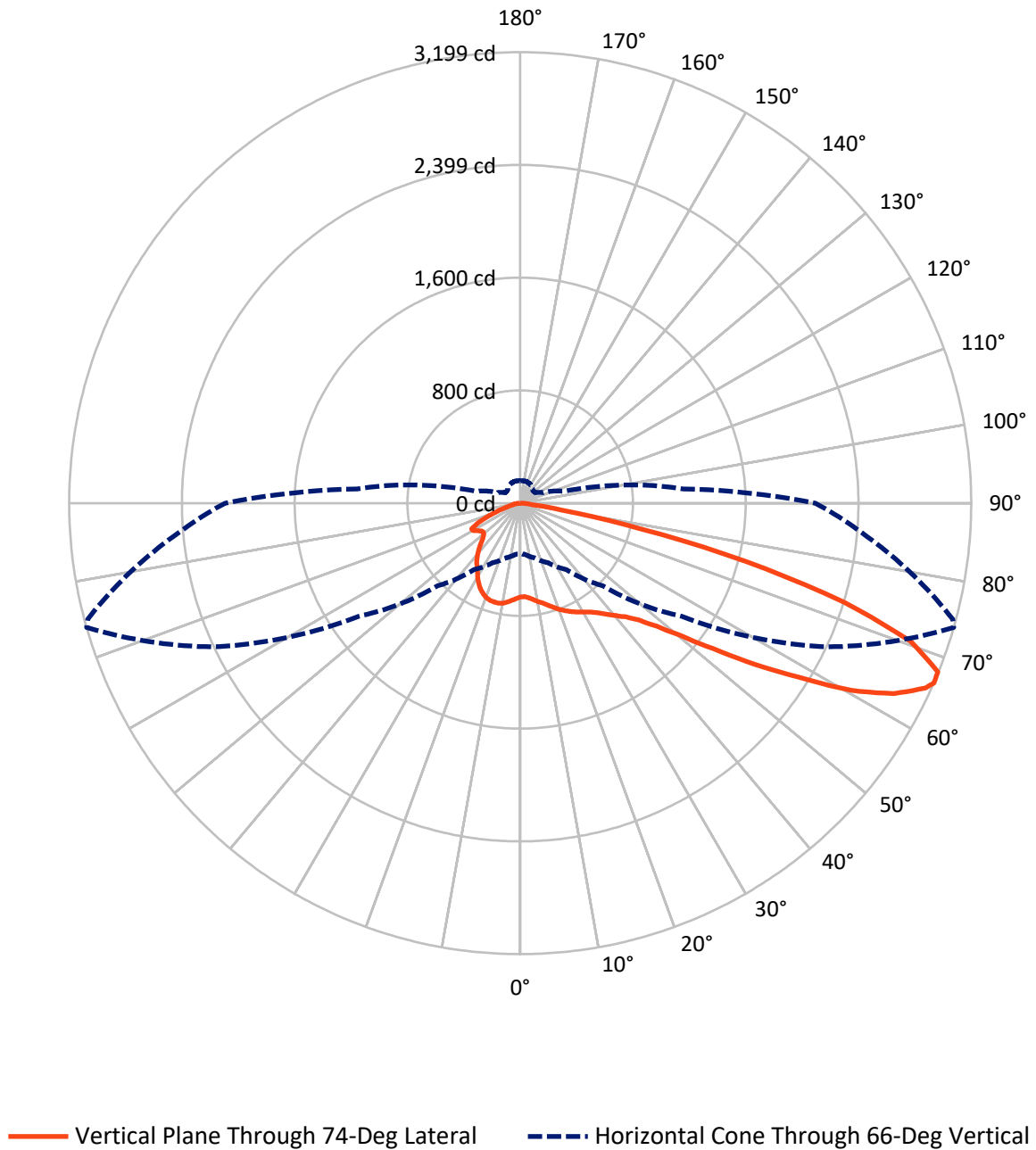
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	987.5	0.0	987.5
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	3067.5	0.0	3067.5
	% Fixture	75.6	0.0	75.6
Total	Lumens	4055.0	0.0	4055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.6
10°-20°	195.0	4.8
20°-30°	365.9	9.0
30°-40°	562.9	13.9
40°-50°	757.1	18.7
50°-60°	895.4	22.1
60°-70°	828.3	20.4
70°-80°	348.4	8.6
80°-90°	38.6	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°	4055.0	100.0
0°-180°	4055.0	100.0

Coefficient of Utilization



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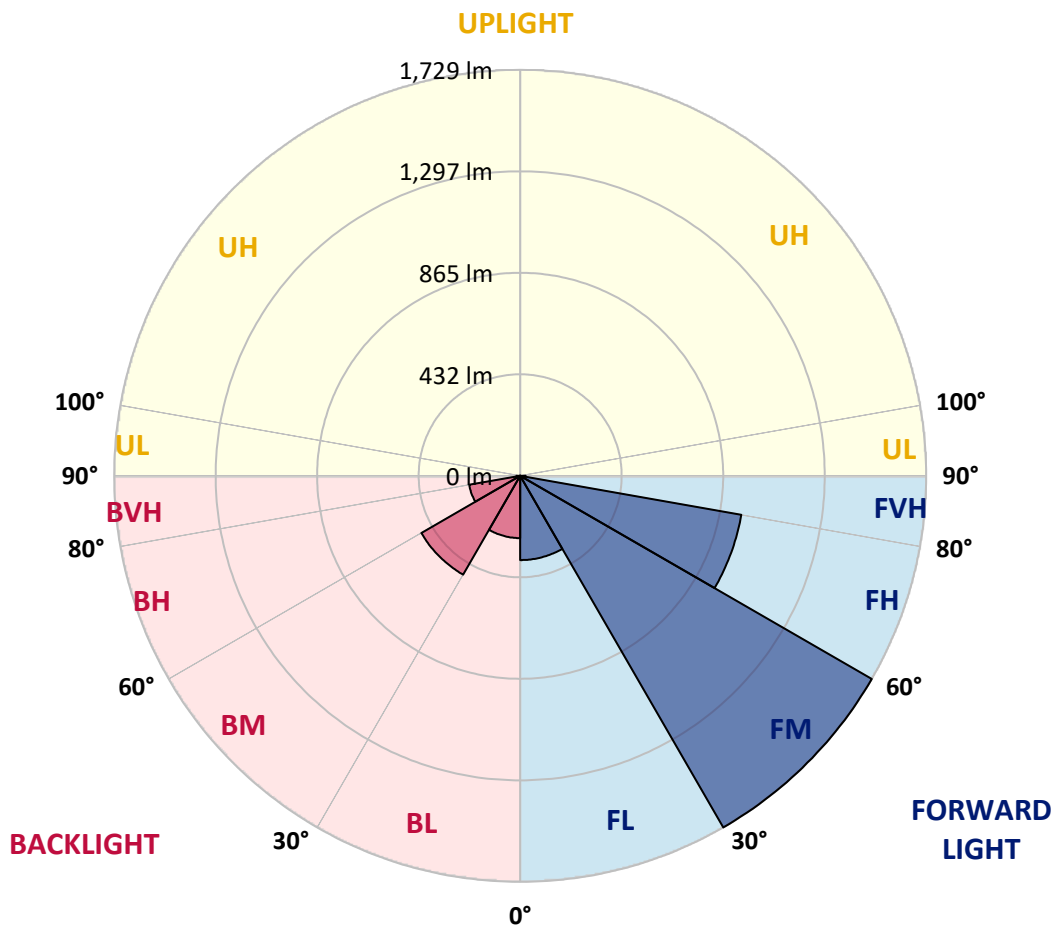
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.9	8.9			
FM	(30°-60°)	1729.2	42.6			
FH	(60°-80°)	956.3	23.6			G1/1800
FVH	(80°-90°)	23.1	0.6			G1/100
BL	(0°-30°)	265.4	6.5	B1/500		
BM	(30°-60°)	486.1	12.0	B1/1000		
BH	(60°-80°)	220.4	5.4	B1/500		G1/500
BVH	(80°-90°)	15.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7
2.5°	662.7	661.6	663.7	666.8	668.4	665.8	664.7	664.2	664.2	662.7	665.3
5°	631.4	630.8	635.5	641.3	652.2	660.1	670.5	676.8	674.7	671.5	673.6
7.5°	590.7	589.6	595.4	606.3	621.4	638.7	664.2	684.1	691.9	690.8	690.3
10°	606.3	605.3	604.7	601.6	606.8	623.5	650.1	685.1	711.7	712.2	712.8
12.5°	660.6	663.2	660.6	650.7	639.2	632.9	648.6	687.7	728.4	731.5	744.6
15°	734.7	732.1	726.8	715.4	697.6	678.8	667.4	699.7	752.4	755.0	783.7
17.5°	799.9	802.0	798.8	787.9	767.0	742.5	707.5	720.6	778.0	785.3	825.5
20°	870.9	879.2	875.0	861.5	844.2	807.7	763.9	750.8	806.2	811.4	868.8
22.5°	952.8	961.6	953.8	940.8	926.7	881.8	825.5	787.9	829.6	840.6	910.5
25°	1050.9	1059.2	1051.9	1031.6	1013.8	959.0	891.7	829.6	852.6	864.6	944.4
27.5°	1128.6	1134.9	1141.7	1129.7	1102.5	1045.6	960.6	872.9	875.5	888.1	975.7
30°	1198.0	1213.7	1219.4	1221.0	1198.0	1134.4	1031.0	917.8	895.4	908.4	1007.0
32.5°	1293.0	1316.5	1307.1	1316.5	1302.9	1217.8	1104.1	964.3	920.9	932.9	1036.8
35°	1431.8	1450.6	1426.0	1418.7	1396.8	1302.4	1174.5	1012.3	954.9	967.9	1065.0
37.5°	1581.0	1602.4	1566.9	1537.7	1495.9	1385.9	1235.1	1075.4	1001.8	1012.3	1091.0
40°	1711.4	1729.2	1698.4	1659.8	1589.9	1459.4	1287.2	1119.7	1048.8	1061.8	1121.3
42.5°	1832.0	1843.5	1809.0	1772.0	1678.6	1525.7	1343.6	1166.7	1103.6	1116.1	1145.8
45°	1954.1	1962.9	1914.9	1862.2	1752.7	1586.2	1405.7	1232.4	1183.9	1200.6	1185.5
47.5°	1976.0	1978.6	1970.2	1934.8	1811.1	1644.1	1482.4	1320.6	1306.5	1324.8	1253.8
50°	1824.1	1847.6	1899.3	1934.2	1834.6	1692.7	1559.1	1446.9	1475.6	1499.1	1395.8
52.5°	1529.3	1551.8	1671.3	1803.8	1778.2	1703.6	1641.5	1607.1	1714.1	1742.2	1588.8
55°	1218.4	1238.2	1364.5	1555.4	1596.1	1653.5	1729.7	1811.6	2018.2	2037.0	1800.7
57.5°	1003.4	1014.3	1104.6	1288.3	1353.5	1493.3	1777.2	2054.8	2327.7	2356.4	1984.9
60°	822.8	834.9	902.2	1053.5	1140.1	1264.3	1739.6	2294.8	2697.1	2697.1	2221.2
62.5°	619.4	629.8	692.4	810.8	956.4	1070.2	1619.6	2453.9	2975.7	2963.2	2392.4
65°	425.3	433.6	479.0	557.8	688.8	912.1	1455.8	2456.0	3160.4	3143.7	2465.4
66°	356.9	364.2	402.8	466.5	576.6	827.5	1397.9	2411.7	3199.0	3175.6	2434.6
67.5°	281.8	287.0	312.5	350.1	422.6	670.0	1306.5	2285.9	3195.4	3181.3	2356.4
70°	201.4	205.1	223.8	231.7	249.9	387.7	1037.8	2002.1	2939.2	2943.4	2048.5
72.5°	156.0	161.8	173.2	174.8	170.6	206.1	629.8	1670.2	2404.4	2402.8	1520.5
75°	125.7	128.9	134.6	137.8	136.7	133.1	266.6	1246.0	1655.1	1674.4	851.5
77.5°	99.1	98.6	103.8	108.0	111.1	104.4	122.1	730.5	867.7	843.2	319.9
80°	73.0	73.0	80.4	81.9	86.6	87.7	81.4	281.8	297.9	270.8	83.0
82.5°	48.0	48.0	55.8	56.9	61.6	68.4	59.0	84.5	82.4	78.3	37.6
85°	26.1	25.0	27.7	31.3	33.9	40.2	35.5	42.3	43.3	42.8	25.0
87.5°	5.2	4.7	7.3	8.3	9.4	12.5	11.5	17.2	24.0	23.5	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7
2.5°	668.9	668.4	674.1	680.9	688.8	693.4	695.5	699.2	696.6	697.6	700.8
5°	678.8	680.4	688.8	697.6	701.3	698.7	692.9	690.8	686.1	685.1	684.1
7.5°	693.4	696.1	704.4	706.5	695.5	677.3	664.2	656.9	649.1	647.0	646.0
10°	717.4	719.0	721.1	699.7	672.6	648.1	631.9	625.1	619.9	615.7	616.7
12.5°	747.7	746.7	730.5	686.1	647.5	622.5	611.5	607.4	603.7	601.1	600.6
15°	785.8	778.5	732.1	667.4	624.1	603.2	595.4	593.8	589.6	589.6	589.1
17.5°	824.4	805.6	731.0	647.5	601.6	590.1	585.4	584.4	583.4	582.8	584.4
20°	863.0	829.6	722.7	623.0	586.0	579.2	578.1	578.7	577.6	579.2	578.1
22.5°	896.9	845.3	707.0	596.9	575.0	574.5	571.9	572.9	576.6	577.1	578.7
25°	923.0	851.0	684.1	572.9	567.2	566.1	569.3	573.4	576.6	577.1	579.7
27.5°	944.4	847.9	655.4	554.1	553.6	559.3	568.7	570.3	570.8	570.8	568.7
30°	960.6	841.1	618.8	533.3	535.9	550.0	558.8	558.8	554.7	553.6	556.7
32.5°	964.3	832.2	579.2	511.9	516.0	532.7	543.7	540.0	535.3	535.3	537.4
35°	967.4	820.2	547.3	482.6	488.9	508.7	519.2	511.9	506.6	505.1	504.6
37.5°	966.3	815.5	518.7	445.6	453.9	473.3	480.0	473.3	465.4	461.8	466.5
40°	967.4	812.4	482.6	404.9	413.3	424.7	433.6	428.4	421.1	411.7	416.4
42.5°	973.6	816.6	443.0	365.2	365.2	371.5	386.6	383.0	365.2	361.6	365.8
45°	1007.0	839.0	403.3	325.6	319.9	324.0	339.7	324.0	313.1	313.1	316.7
47.5°	1087.9	880.8	368.4	290.6	277.1	285.4	289.6	275.0	266.6	264.5	268.2
50°	1252.8	964.3	347.5	261.9	245.2	251.5	248.9	248.4	240.0	241.1	243.2
52.5°	1503.3	1127.0	341.2	247.8	227.0	228.5	225.9	227.0	225.4	230.6	232.2
55°	1776.1	1298.7	349.1	249.9	214.5	203.5	204.5	209.8	216.0	224.4	225.9
57.5°	1980.2	1384.8	369.4	264.0	198.8	182.1	184.7	194.6	206.6	213.4	217.1
60°	2132.0	1374.4	399.2	267.7	180.0	162.8	167.5	182.1	192.5	198.3	201.9
62.5°	2181.6	1309.1	406.5	241.1	155.5	144.5	156.0	171.1	175.8	182.1	184.7
65°	2140.9	1216.8	353.2	195.7	136.7	131.0	147.7	159.1	165.4	168.5	169.1
66°	2092.9	1161.5	324.5	177.9	129.9	126.8	144.5	153.9	160.2	159.7	160.2
67.5°	1987.5	1045.6	278.1	152.9	120.0	120.5	139.3	145.6	147.7	146.1	146.1
70°	1629.0	736.2	199.3	115.8	105.4	112.7	125.2	126.8	131.5	129.4	129.4
72.5°	1004.4	361.6	133.6	88.7	93.9	105.4	104.9	110.1	121.1	124.2	126.3
75°	493.6	146.6	88.2	75.1	84.0	88.2	87.1	100.2	115.8	129.4	134.1
77.5°	187.3	73.0	61.6	65.7	67.8	66.3	69.4	90.8	115.8	140.4	145.1
80°	57.9	50.6	48.5	54.3	51.1	48.5	52.2	75.1	98.1	106.4	106.4
82.5°	35.0	39.7	37.6	37.0	34.4	35.0	37.6	53.7	75.7	79.3	79.3
85°	24.5	26.1	21.4	20.3	19.8	19.3	19.3	31.3	44.9	44.4	45.9
87.5°	9.4	10.4	7.8	7.8	7.3	5.2	4.2	5.2	5.2	3.7	2.6
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)