

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: INVUE

Report Number: P675046

Luminaire Tested: **CCW-SA-1C-840-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675046
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-840-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T3 distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3894.9 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

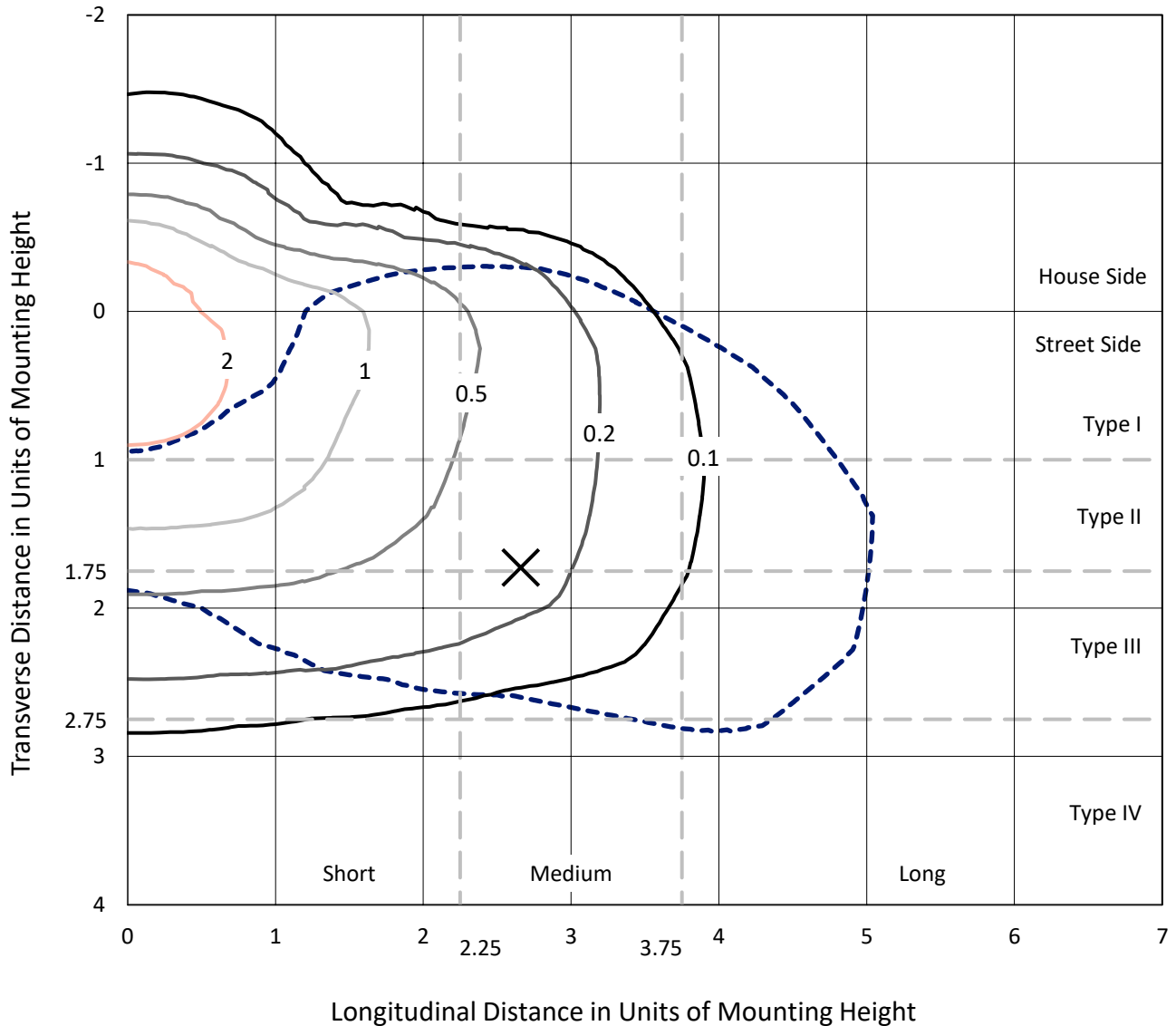
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

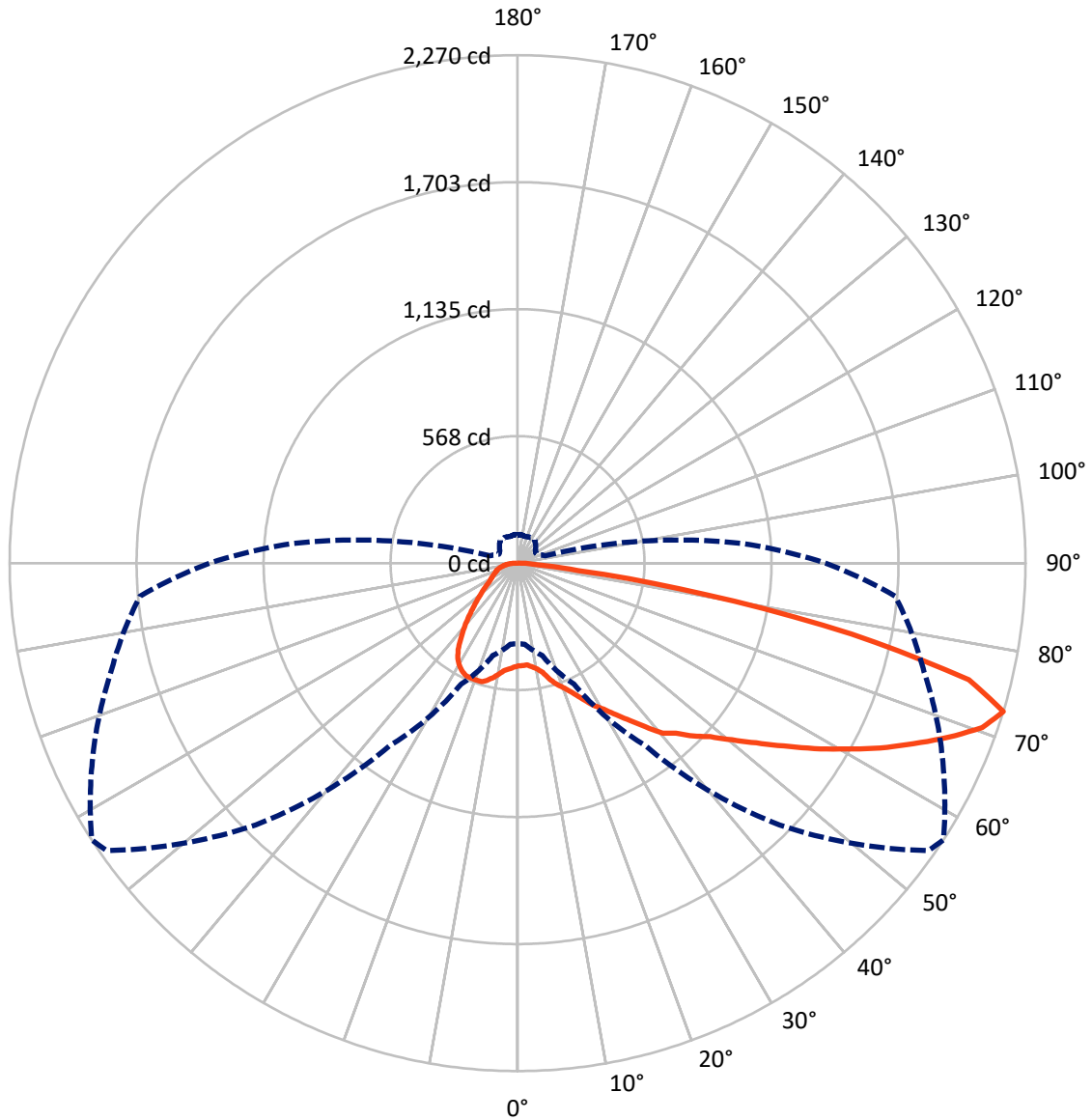
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	909.6	0.0	909.6
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2985.3	0.0	2985.3
	% Fixture	76.6	0.0	76.6
Total	Lumens	3894.9	0.0	3894.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.2
10°-20°	153.8	3.9
20°-30°	281.1	7.2
30°-40°	412.5	10.6
40°-50°	567.9	14.6
50°-60°	778.8	20.0
60°-70°	938.8	24.1
70°-80°	625.3	16.1
80°-90°	91.1	2.3
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°	3894.9	100.0
0°-180°	3894.9	100.0



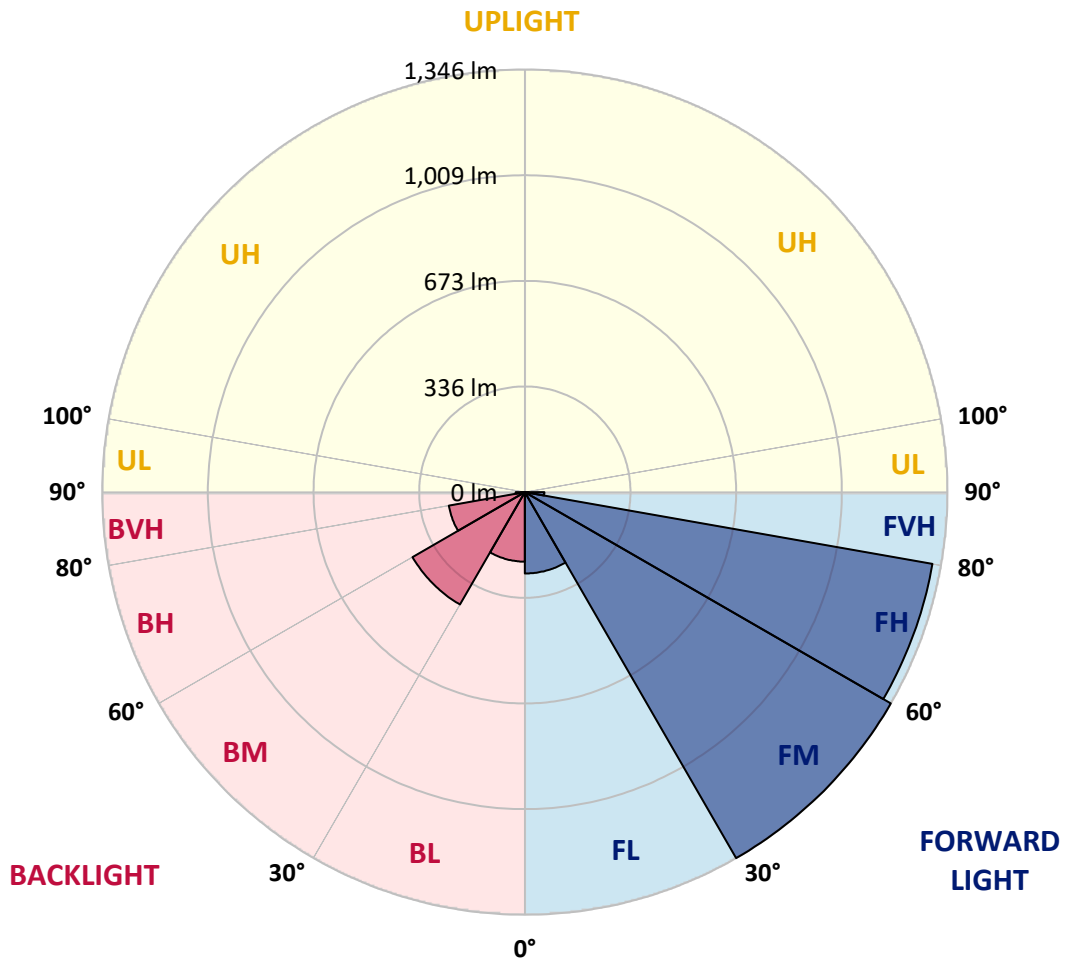
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.1	6.7			
FM (30°-60°)	1346.0	34.6			
FH (60°-80°)	1318.2	33.8			G1/1800
FVH (80°-90°)	62.0	1.6			G1/100
BL (0°-30°)	221.5	5.7	B1/500		
BM (30°-60°)	413.1	10.6	B1/1000		
BH (60°-80°)	245.9	6.3	B1/500		G1/500
BVH (80°-90°)	29.1	0.7			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7
2.5°	451.2	452.6	455.5	454.0	454.0	449.8	456.9	458.3	455.5	456.9	459.7
5°	451.2	454.0	458.3	455.5	456.9	455.5	452.6	456.9	456.9	458.3	462.6
7.5°	475.3	473.9	473.9	469.6	468.2	466.8	468.2	468.2	465.4	466.8	466.8
10°	502.3	502.3	499.4	499.4	496.6	489.5	482.4	481.0	476.7	478.2	478.2
12.5°	530.7	533.5	536.3	527.8	525.0	513.6	509.4	500.9	500.9	498.0	496.6
15°	566.1	561.9	564.7	561.9	554.8	543.4	536.3	537.8	527.8	525.0	520.7
17.5°	597.3	598.8	594.5	591.7	578.9	570.4	571.8	570.4	557.6	553.4	546.3
20°	634.2	632.8	632.8	624.3	613.0	601.6	597.3	595.9	598.8	590.3	573.2
22.5°	672.5	666.9	666.9	659.8	644.2	637.1	634.2	628.6	631.4	624.3	598.8
25°	703.8	703.8	713.7	699.5	691.0	676.8	671.1	672.5	674.0	659.8	630.0
27.5°	744.9	737.8	747.8	740.7	736.4	720.8	713.7	718.0	715.1	699.5	658.4
30°	797.4	798.8	793.2	783.2	777.5	766.2	761.9	757.7	761.9	742.1	689.6
32.5°	862.7	866.9	852.7	841.4	831.5	820.1	811.6	807.3	811.6	781.8	713.7
35°	937.9	942.1	930.8	918.0	906.7	878.3	871.2	864.1	848.5	800.2	736.4
37.5°	1007.4	1001.7	998.9	998.9	977.6	936.5	932.2	927.9	898.2	837.1	767.6
40°	1054.2	1061.3	1058.5	1055.6	1052.8	1014.5	1006.0	998.9	949.2	892.5	811.6
42.5°	1106.7	1102.5	1113.8	1118.1	1108.1	1096.8	1062.7	1038.6	994.6	949.2	876.9
45°	1169.2	1166.3	1170.6	1186.2	1172.0	1176.3	1119.5	1102.5	1047.1	1020.2	959.2
47.5°	1224.5	1231.6	1252.9	1257.1	1245.8	1265.6	1186.2	1159.2	1123.8	1102.5	1044.3
50°	1248.6	1257.1	1305.4	1335.2	1336.6	1367.8	1252.9	1241.5	1193.3	1201.8	1150.7
52.5°	1228.8	1255.7	1313.9	1391.9	1440.2	1471.4	1340.8	1335.2	1291.2	1318.1	1267.1
55°	1247.2	1272.7	1311.0	1420.3	1542.3	1549.4	1462.9	1441.6	1397.6	1434.5	1387.7
57.5°	1255.7	1241.5	1313.9	1451.5	1617.5	1636.0	1579.2	1563.6	1529.6	1565.0	1538.1
60°	1189.0	1206.0	1274.2	1443.0	1621.8	1728.2	1709.8	1687.0	1655.8	1688.5	1672.9
62.5°	1113.8	1125.2	1199.0	1391.9	1645.9	1794.9	1836.0	1819.0	1775.0	1803.4	1830.4
65°	1018.8	1020.2	1102.5	1301.1	1599.1	1833.2	1946.7	1945.3	1914.1	1907.0	1949.5
67.5°	902.4	913.8	979.0	1204.6	1535.2	1875.8	2056.0	2077.2	2014.8	1959.5	1975.1
70°	692.4	703.8	766.2	987.5	1404.7	1863.0	2190.8	2202.1	2080.1	1939.6	1899.9
72.5°	360.4	363.2	427.1	595.9	996.1	1654.4	2240.4	2270.2	2097.1	1881.4	1694.1
75°	119.2	119.2	146.1	227.0	469.6	1058.5	2029.0	2082.9	2013.4	1736.7	1386.2
77.5°	70.9	72.4	86.6	113.5	187.3	422.8	1430.2	1525.3	1647.3	1477.1	1013.1
80°	51.1	52.5	65.3	78.0	112.1	136.2	718.0	849.9	1011.7	950.7	540.6
82.5°	38.3	38.3	51.1	58.2	76.6	80.9	200.1	273.8	437.0	340.5	149.0
85°	39.7	39.7	39.7	41.1	52.5	46.8	83.7	89.4	127.7	112.1	41.1
87.5°	14.2	15.6	39.7	27.0	27.0	19.9	32.6	35.5	45.4	46.8	15.6
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°	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7
2.5°	461.1	461.1	462.6	462.6	465.4	468.2	472.5	469.6	469.6	471.1	469.6
5°	459.7	461.1	465.4	472.5	475.3	476.7	485.3	485.3	485.3	488.1	488.1
7.5°	465.4	468.2	475.3	482.4	483.8	488.1	499.4	502.3	509.4	512.2	513.6
10°	479.6	483.8	489.5	498.0	503.7	509.4	517.9	527.8	526.4	534.9	536.3
12.5°	500.9	499.4	509.4	517.9	523.6	532.1	534.9	534.9	534.9	534.9	537.8
15°	517.9	520.7	529.2	534.9	542.0	540.6	534.9	529.2	530.7	529.2	529.2
17.5°	543.4	543.4	550.5	551.9	554.8	540.6	532.1	532.1	536.3	536.3	533.5
20°	569.0	567.6	570.4	569.0	550.5	533.5	532.1	533.5	534.9	533.5	532.1
22.5°	593.1	590.3	586.0	580.3	547.7	532.1	529.2	522.1	515.1	515.1	510.8
25°	614.4	611.5	600.2	583.2	546.3	523.6	509.4	492.4	483.8	479.6	485.3
27.5°	634.2	628.6	613.0	583.2	533.5	500.9	473.9	452.6	445.5	439.9	445.5
30°	661.2	651.3	630.0	578.9	513.6	465.4	428.5	403.0	395.9	387.4	390.2
32.5°	685.3	662.6	644.2	566.1	488.1	425.7	383.1	357.6	344.8	337.7	343.4
35°	710.9	688.2	649.8	546.3	448.4	377.4	334.9	310.7	300.8	290.9	290.9
37.5°	736.4	723.6	658.4	509.4	400.1	332.0	293.7	275.3	258.2	239.8	239.8
40°	790.3	773.3	668.3	466.8	351.9	288.0	261.1	237.0	219.9	194.4	193.0
42.5°	847.1	810.2	668.3	415.7	309.3	256.8	231.3	205.7	174.5	158.9	160.3
45°	919.4	876.9	649.8	370.3	266.7	231.3	202.9	170.3	156.1	146.1	146.1
47.5°	1010.2	943.6	627.1	320.7	232.7	208.6	173.1	153.2	143.3	134.8	133.4
50°	1118.1	1004.6	598.8	278.1	204.3	187.3	157.5	141.9	133.4	127.7	127.7
52.5°	1231.6	1094.0	578.9	239.8	181.6	158.9	146.1	136.2	129.1	124.9	123.4
55°	1346.5	1183.3	564.7	198.6	160.3	146.1	143.3	134.8	132.0	127.7	124.9
57.5°	1475.6	1257.1	561.9	170.3	143.3	140.5	146.1	139.1	134.8	130.5	126.3
60°	1614.7	1356.5	536.3	147.6	134.8	137.6	141.9	134.8	132.0	127.7	124.9
62.5°	1752.3	1430.2	466.8	130.5	126.3	129.1	134.8	129.1	124.9	126.3	127.7
65°	1809.1	1435.9	361.8	117.8	116.3	117.8	126.3	124.9	120.6	129.1	129.1
67.5°	1752.3	1384.8	255.4	106.4	106.4	113.5	127.7	130.5	126.3	137.6	136.2
70°	1623.2	1258.5	173.1	99.3	102.2	120.6	132.0	129.1	123.4	137.6	134.8
72.5°	1377.7	1007.4	126.3	92.2	96.5	114.9	130.5	127.7	123.4	129.1	123.4
75°	1034.4	716.5	99.3	83.7	85.1	103.6	134.8	127.7	116.3	113.5	109.3
77.5°	691.0	442.7	76.6	73.8	73.8	90.8	129.1	119.2	105.0	100.7	99.3
80°	329.2	177.4	61.0	62.4	63.8	78.0	117.8	106.4	95.1	89.4	89.4
82.5°	105.0	66.7	51.1	51.1	51.1	63.8	97.9	89.4	82.3	78.0	70.9
85°	36.9	36.9	44.0	45.4	41.1	46.8	80.9	76.6	68.1	56.8	55.3
87.5°	14.2	21.3	29.8	35.5	25.5	32.6	58.2	53.9	49.7	36.9	35.5
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)