

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: P675091

Luminaire Tested: **CCW-SA-1C-727-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675091
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-727-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4FT distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

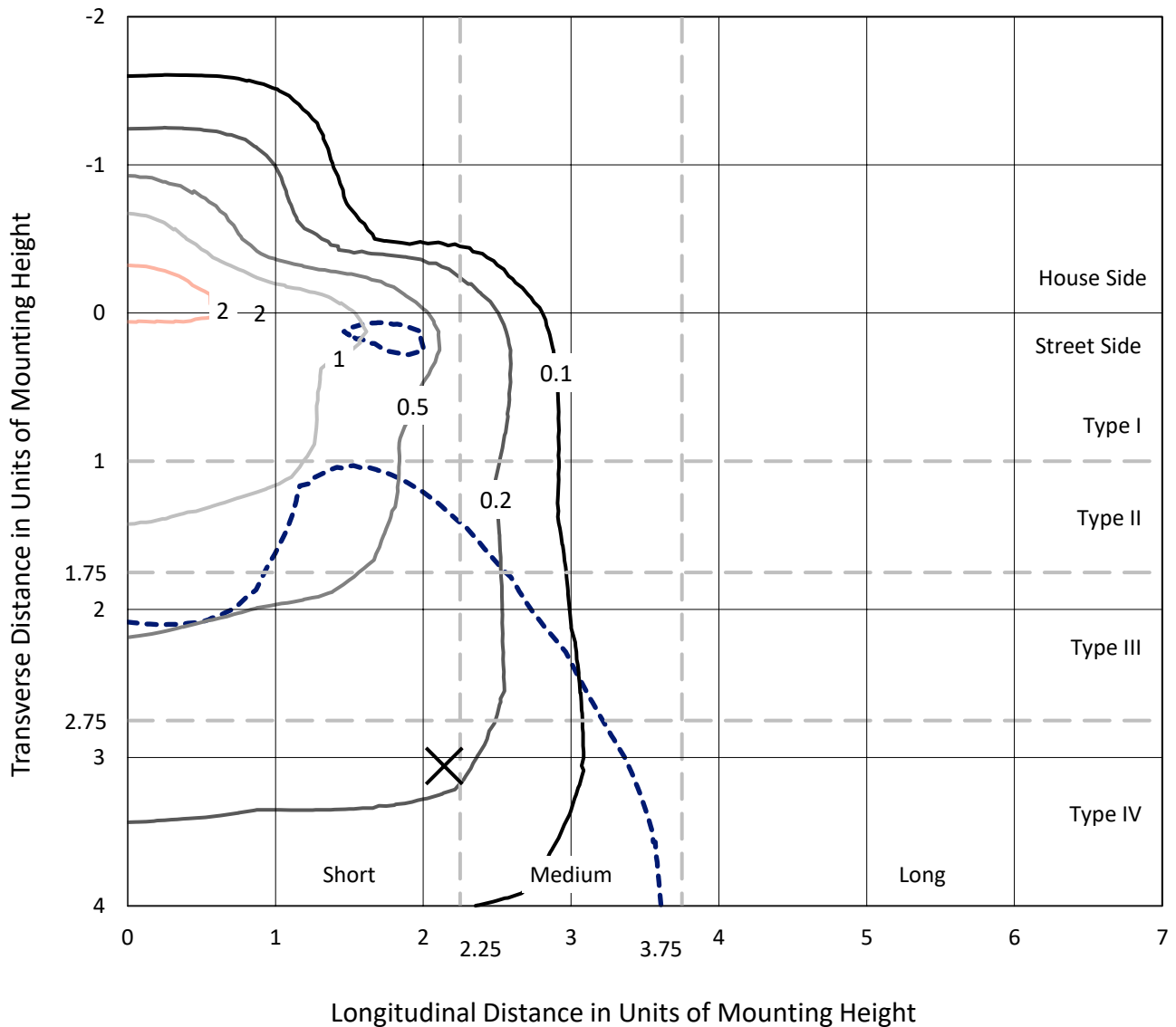
Lumens per Lamp: N/A
Luminaire Lumens: 3778.8 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

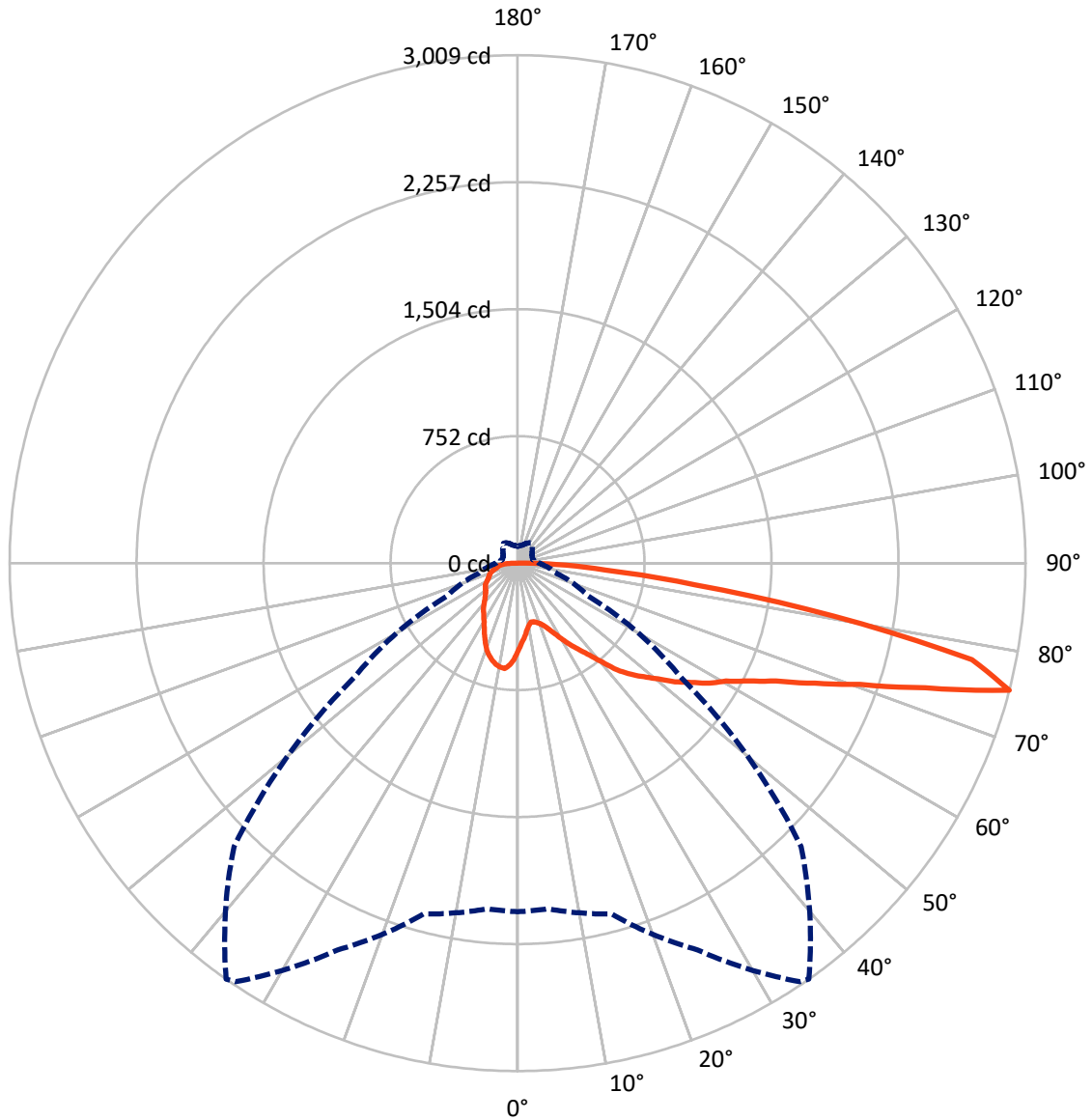
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	868.5	0.0	868.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	2910.3	0.0	2910.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	3778.8	0.0	3778.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	1.3
10°-20°	143.2	3.8
20°-30°	237.6	6.3
30°-40°	352.2	9.3
40°-50°	507.8	13.4
50°-60°	698.3	18.5
60°-70°	862.5	22.8
70°-80°	789.1	20.9
80°-90°	138.9	3.7
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°	3778.8	100.0
0°-180°	3778.8	100.0



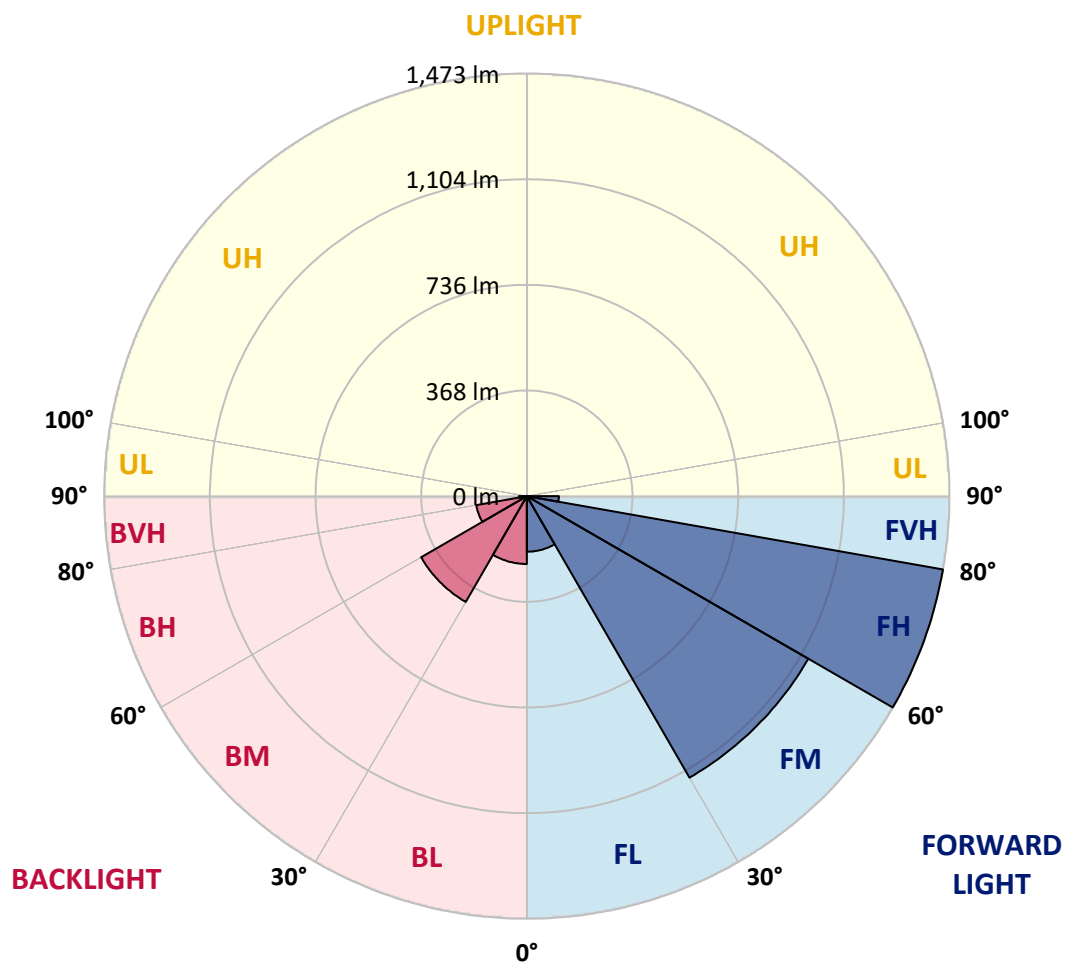
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.7	5.1			
FM (30°-60°)	1132.6	30.0			
FH (60°-80°)	1472.5	39.0			G1/1800
FVH (80°-90°)	111.5	3.0			G2/225
BL (0°-30°)	236.4	6.3	B1/500		
BM (30°-60°)	425.6	11.3	B1/1000		
BH (60°-80°)	179.1	4.7	B1/500		G1/500
BVH (80°-90°)	27.4	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7
2.5°	469.0	464.8	469.0	471.8	471.8	471.8	476.0	488.5	496.8	502.4	512.2
5°	420.3	421.7	424.5	431.4	435.6	438.4	445.3	460.7	473.2	491.3	512.2
7.5°	377.2	379.9	384.1	391.1	400.8	399.4	414.7	435.6	459.3	482.9	513.5
10°	354.9	360.5	361.8	363.2	373.0	373.0	393.9	417.5	446.7	477.4	513.5
12.5°	359.1	359.1	354.9	353.5	359.1	357.7	375.8	403.6	435.6	478.7	519.1
15°	371.6	371.6	363.2	354.9	363.2	360.5	375.8	398.0	435.6	480.1	530.2
17.5°	388.3	389.7	379.9	366.0	368.8	370.2	381.3	402.2	435.6	482.9	545.6
20°	421.7	414.7	399.4	377.2	386.9	382.7	399.4	417.5	444.0	494.1	567.8
22.5°	450.9	450.9	421.7	402.2	403.6	403.6	418.9	434.2	456.5	509.4	584.5
25°	498.2	495.4	459.3	430.0	432.8	434.2	442.6	460.7	477.4	517.7	605.4
27.5°	558.1	551.1	514.9	481.5	470.4	474.6	478.7	492.7	496.8	531.6	630.4
30°	622.1	612.4	581.7	528.9	523.3	524.7	517.7	526.1	520.5	553.9	655.5
32.5°	662.5	662.5	633.2	594.3	579.0	579.0	555.3	560.9	560.9	574.8	700.0
35°	697.2	694.5	675.0	645.8	636.0	630.4	606.8	615.1	601.2	615.1	762.7
37.5°	750.1	741.8	733.4	713.9	694.5	690.3	677.8	683.3	663.8	656.9	833.6
40°	811.4	807.2	798.8	790.5	771.0	769.6	755.7	761.3	740.4	713.9	904.6
42.5°	901.8	889.3	862.9	855.9	860.1	865.6	860.1	850.3	812.8	779.4	981.2
45°	992.3	972.8	922.7	911.6	943.6	939.4	963.1	958.9	897.7	844.8	1061.9
47.5°	1050.7	1034.0	993.7	986.7	1000.6	1006.2	1077.2	1064.7	967.2	904.6	1139.8
50°	1092.5	1093.9	1041.0	1059.1	1077.2	1077.2	1166.3	1164.9	1052.1	978.4	1241.4
52.5°	1153.7	1134.2	1112.0	1128.7	1153.7	1167.6	1277.6	1247.0	1105.0	1041.0	1355.5
55°	1185.7	1177.4	1157.9	1187.1	1240.0	1247.0	1363.9	1340.2	1164.9	1114.8	1472.4
57.5°	1198.3	1205.2	1237.2	1249.8	1323.5	1341.6	1441.8	1408.4	1220.5	1206.6	1562.9
60°	1253.9	1244.2	1287.3	1337.4	1408.4	1418.2	1539.2	1466.9	1274.8	1266.5	1592.1
62.5°	1366.7	1341.6	1365.3	1425.1	1523.9	1536.5	1642.2	1544.8	1298.5	1306.8	1590.7
65°	1530.9	1512.8	1478.0	1525.3	1664.5	1682.6	1763.3	1611.6	1291.5	1292.9	1478.0
67.5°	1724.3	1695.1	1658.9	1688.1	1857.9	1899.7	1910.8	1640.8	1242.8	1215.0	1202.4
70°	1894.1	1874.6	1851.0	1901.1	2137.7	2153.0	2094.5	1622.7	1107.8	975.6	801.6
72.5°	2052.8	2043.0	2057.0	2244.8	2516.2	2526.0	2267.1	1508.6	875.4	591.5	373.0
75°	2065.3	2055.6	2151.6	2528.7	2990.8	3008.9	2374.3	1183.0	462.0	240.8	157.3
77.5°	1398.7	1427.9	1607.4	2214.2	2747.2	2751.4	1941.4	549.7	190.7	142.0	109.9
80°	343.8	381.3	605.4	1145.4	1852.4	1898.3	1063.3	185.1	125.3	108.6	82.1
82.5°	125.3	136.4	246.3	517.7	1041.0	1059.1	371.6	100.2	90.5	83.5	59.8
85°	59.8	61.2	116.9	254.7	526.1	520.5	133.6	59.8	65.4	57.1	36.2
87.5°	25.1	25.1	51.5	118.3	232.4	225.5	43.1	27.8	37.6	33.4	18.1
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°	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7	517.7
2.5°	519.1	521.9	533.0	541.4	549.7	556.7	567.8	567.8	574.8	574.8	574.8
5°	517.7	533.0	551.1	570.6	583.1	595.7	606.8	608.2	612.4	617.9	619.3
7.5°	523.3	538.6	567.8	595.7	611.0	616.5	630.4	626.3	626.3	626.3	630.4
10°	534.4	551.1	591.5	616.5	627.7	629.1	624.9	622.1	613.7	611.0	606.8
12.5°	542.8	572.0	612.4	631.8	627.7	623.5	613.7	599.8	590.1	587.3	587.3
15°	563.6	592.9	630.4	637.4	630.4	608.2	595.7	580.3	572.0	559.5	565.0
17.5°	581.7	615.1	648.5	640.2	626.3	591.5	573.4	551.1	540.0	526.1	526.1
20°	605.4	636.0	665.2	643.0	612.4	574.8	545.6	517.7	502.4	488.5	491.3
22.5°	631.8	659.7	675.0	631.8	591.5	548.3	508.0	481.5	462.0	453.7	456.5
25°	652.7	683.3	680.5	613.7	566.4	514.9	470.4	445.3	441.2	432.8	432.8
27.5°	679.2	711.2	676.4	591.5	524.7	462.0	434.2	424.5	424.5	420.3	423.1
30°	713.9	736.2	666.6	559.5	471.8	414.7	400.8	406.4	416.1	411.9	413.3
32.5°	771.0	768.2	658.3	523.3	416.1	368.8	378.5	389.7	398.0	402.2	405.0
35°	826.7	808.6	648.5	474.6	364.6	346.5	354.9	367.4	382.7	386.9	388.3
37.5°	882.3	850.3	631.8	414.7	332.6	327.1	335.4	342.4	354.9	357.7	360.5
40°	940.8	878.2	602.6	356.3	306.2	306.2	311.7	313.1	320.1	324.3	327.1
42.5°	992.3	904.6	549.7	302.0	278.3	288.1	289.5	286.7	281.1	283.9	285.3
45°	1054.9	933.8	488.5	263.0	257.5	270.0	272.8	261.6	251.9	246.3	243.5
47.5°	1116.2	964.5	435.6	231.0	238.0	257.5	257.5	244.9	228.2	214.3	208.8
50°	1171.8	995.1	392.5	211.5	218.5	247.7	250.5	226.8	208.8	192.1	189.3
52.5°	1265.1	1046.6	347.9	196.2	207.4	240.8	239.4	218.5	194.8	176.7	175.4
55°	1347.2	1098.1	289.5	180.9	196.2	231.0	235.2	210.1	178.1	161.4	158.7
57.5°	1407.0	1110.6	231.0	165.6	185.1	219.9	225.5	193.4	167.0	153.1	151.7
60°	1418.2	1061.9	187.9	153.1	169.8	204.6	208.8	183.7	158.7	147.5	144.7
62.5°	1366.7	968.6	160.0	142.0	157.3	189.3	197.6	172.6	150.3	140.6	139.2
65°	1249.8	832.2	140.6	132.2	148.9	178.1	187.9	164.2	143.3	135.0	133.6
67.5°	989.5	638.8	125.3	125.3	137.8	167.0	180.9	158.7	136.4	130.8	129.4
70°	647.1	384.1	114.1	115.5	129.4	157.3	172.6	151.7	128.0	126.6	123.9
72.5°	278.3	176.7	101.6	105.8	116.9	140.6	160.0	142.0	118.3	114.1	109.9
75°	128.0	107.2	91.9	94.6	104.4	123.9	144.7	130.8	109.9	103.0	98.8
77.5°	90.5	77.9	76.5	82.1	89.1	107.2	128.0	122.5	101.6	96.0	93.2
80°	66.8	59.8	64.0	69.6	73.8	98.8	121.1	112.7	93.2	84.9	80.7
82.5°	47.3	44.5	50.1	55.7	59.8	86.3	111.3	98.8	77.9	71.0	64.0
85°	27.8	29.2	34.8	37.6	41.8	64.0	93.2	79.3	59.8	45.9	44.5
87.5°	12.5	12.5	16.7	18.1	20.9	37.6	62.6	50.1	37.6	29.2	27.8
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)