

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: P675034

Luminaire Tested: **CCW-SA-1B-835-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675034
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-835-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

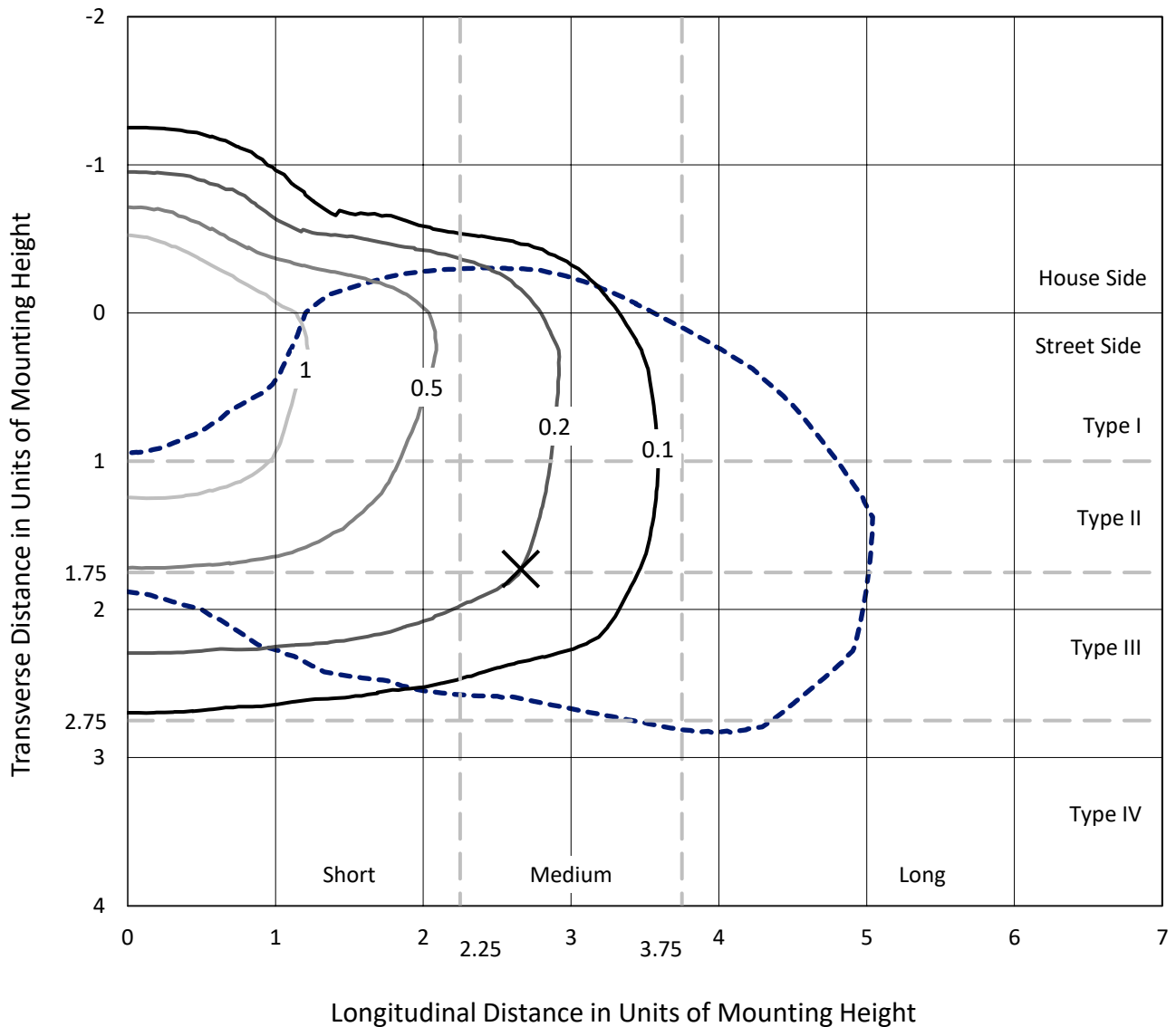
Lumens per Lamp: N/A
Luminaire Lumens: 2875.3 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

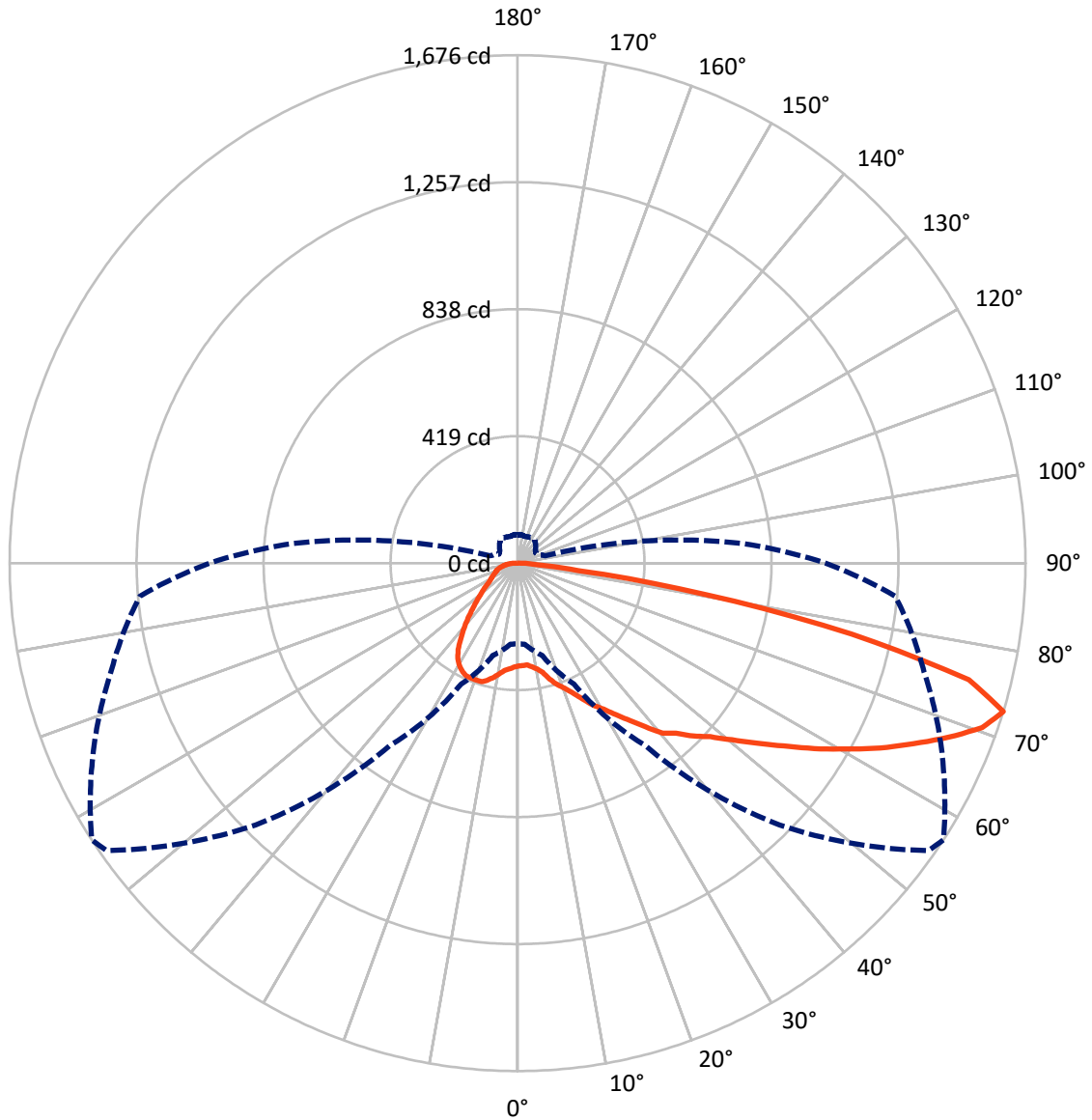
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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	671.5	0.0	671.5
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2203.8	0.0	2203.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	2875.3	0.0	2875.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	1.2
10°-20°	113.5	3.9
20°-30°	207.5	7.2
30°-40°	304.5	10.6
40°-50°	419.2	14.6
50°-60°	574.9	20.0
60°-70°	693.0	24.1
70°-80°	461.6	16.1
80°-90°	67.2	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°	2875.3	100.0
0°-180°	2875.3	100.0



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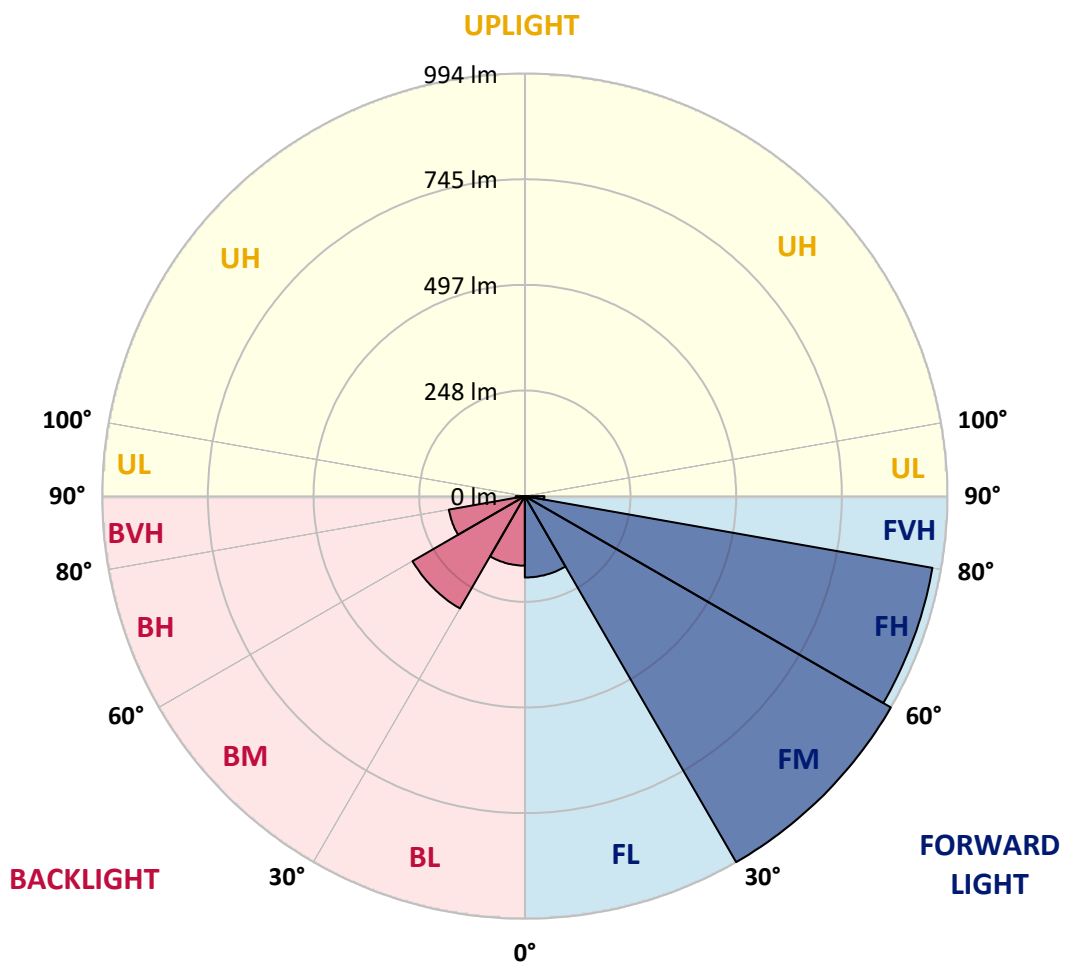
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.3	6.7			
FM (30°-60°)	993.7	34.6			
FH (60°-80°)	973.1	33.8			G1/1800
FVH (80°-90°)	45.8	1.6			G1/100
BL (0°-30°)	163.5	5.7	B1/500		
BM (30°-60°)	305.0	10.6	B1/1000		
BH (60°-80°)	181.5	6.3	B1/500		G1/500
BVH (80°-90°)	21.5	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°	339.4	339.4	339.4	339.4	339.4	339.4	339.4	339.4	339.4	339.4	339.4
2.5°	333.1	334.1	336.2	335.2	335.2	332.0	337.3	338.3	336.2	337.3	339.4
5°	333.1	335.2	338.3	336.2	337.3	336.2	334.1	337.3	337.3	338.3	341.5
7.5°	350.9	349.9	349.9	346.7	345.7	344.6	345.7	345.7	343.6	344.6	344.6
10°	370.8	370.8	368.7	368.7	366.6	361.4	356.1	355.1	351.9	353.0	353.0
12.5°	391.8	393.8	395.9	389.7	387.6	379.2	376.0	369.8	369.8	367.7	366.6
15°	417.9	414.8	416.9	414.8	409.6	401.2	395.9	397.0	389.7	387.6	384.4
17.5°	441.0	442.0	438.9	436.8	427.4	421.1	422.1	421.1	411.7	408.5	403.3
20°	468.2	467.2	467.2	460.9	452.5	444.1	441.0	439.9	442.0	435.7	423.2
22.5°	496.5	492.3	492.3	487.1	475.6	470.3	468.2	464.0	466.1	460.9	442.0
25°	519.5	519.5	526.9	516.4	510.1	499.6	495.5	496.5	497.5	487.1	465.1
27.5°	549.9	544.7	552.0	546.8	543.6	532.1	526.9	530.0	527.9	516.4	486.0
30°	588.7	589.7	585.5	578.2	574.0	565.6	562.5	559.3	562.5	547.8	509.1
32.5°	636.9	640.0	629.5	621.1	613.8	605.4	599.2	596.0	599.2	577.2	526.9
35°	692.4	695.5	687.1	677.7	669.3	648.4	643.1	637.9	626.4	590.8	543.6
37.5°	743.7	739.5	737.4	737.4	721.7	691.3	688.2	685.0	663.0	618.0	566.7
40°	778.3	783.5	781.4	779.3	777.2	748.9	742.7	737.4	700.8	658.9	599.2
42.5°	817.0	813.9	822.3	825.4	818.1	809.7	784.6	766.7	734.3	700.8	647.3
45°	863.1	861.0	864.2	875.7	865.2	868.4	826.5	813.9	773.0	753.1	708.1
47.5°	904.0	909.2	924.9	928.1	919.7	934.3	875.7	855.8	829.6	813.9	770.9
50°	921.8	928.1	963.7	985.7	986.7	1009.8	924.9	916.5	880.9	887.2	849.5
52.5°	907.1	927.0	970.0	1027.6	1063.2	1086.2	989.9	985.7	953.2	973.1	935.4
55°	920.7	939.6	967.9	1048.5	1138.6	1143.8	1079.9	1064.2	1031.8	1059.0	1024.4
57.5°	927.0	916.5	970.0	1071.6	1194.1	1207.7	1165.8	1154.3	1129.2	1155.4	1135.5
60°	877.8	890.3	940.6	1065.3	1197.3	1275.8	1262.2	1245.4	1222.4	1246.5	1235.0
62.5°	822.3	830.6	885.1	1027.6	1215.1	1325.0	1355.4	1342.9	1310.4	1331.3	1351.2
65°	752.1	753.1	813.9	960.5	1180.5	1353.3	1437.1	1436.1	1413.0	1407.8	1439.2
67.5°	666.2	674.6	722.8	889.3	1133.4	1384.8	1517.8	1533.5	1487.4	1446.6	1458.1
70°	511.2	519.5	565.6	729.0	1037.0	1375.3	1617.3	1625.7	1535.6	1431.9	1402.6
72.5°	266.1	268.2	315.3	439.9	735.3	1221.3	1654.0	1675.9	1548.2	1388.9	1250.7
75°	88.0	88.0	107.9	167.6	346.7	781.4	1497.9	1537.7	1486.4	1282.1	1023.4
77.5°	52.4	53.4	63.9	83.8	138.3	312.1	1055.8	1126.0	1216.1	1090.4	747.9
80°	37.7	38.8	48.2	57.6	82.7	100.6	530.0	627.4	746.8	701.8	399.1
82.5°	28.3	28.3	37.7	42.9	56.6	59.7	147.7	202.2	322.6	251.4	110.0
85°	29.3	29.3	29.3	30.4	38.8	34.6	61.8	66.0	94.3	82.7	30.4
87.5°	10.5	11.5	29.3	19.9	19.9	14.7	24.1	26.2	33.5	34.6	11.5
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°	339.4	339.4	339.4	339.4	339.4	339.4	339.4	339.4	339.4	339.4	339.4
2.5°	340.4	340.4	341.5	341.5	343.6	345.7	348.8	346.7	346.7	347.8	346.7
5°	339.4	340.4	343.6	348.8	350.9	351.9	358.2	358.2	358.2	360.3	360.3
7.5°	343.6	345.7	350.9	356.1	357.2	360.3	368.7	370.8	376.0	378.1	379.2
10°	354.0	357.2	361.4	367.7	371.9	376.0	382.3	389.7	388.6	394.9	395.9
12.5°	369.8	368.7	376.0	382.3	386.5	392.8	394.9	394.9	394.9	394.9	397.0
15°	382.3	384.4	390.7	394.9	400.1	399.1	394.9	390.7	391.8	390.7	390.7
17.5°	401.2	401.2	406.4	407.5	409.6	399.1	392.8	392.8	395.9	395.9	393.8
20°	420.0	419.0	421.1	420.0	406.4	393.8	392.8	393.8	394.9	393.8	392.8
22.5°	437.8	435.7	432.6	428.4	404.3	392.8	390.7	385.5	380.2	380.2	377.1
25°	453.6	451.5	443.1	430.5	403.3	386.5	376.0	363.5	357.2	354.0	358.2
27.5°	468.2	464.0	452.5	430.5	393.8	369.8	349.9	334.1	328.9	324.7	328.9
30°	488.1	480.8	465.1	427.4	379.2	343.6	316.3	297.5	292.2	286.0	288.1
32.5°	505.9	489.2	475.6	417.9	360.3	314.2	282.8	264.0	254.5	249.3	253.5
35°	524.8	508.0	479.7	403.3	331.0	278.6	247.2	229.4	222.1	214.7	214.7
37.5°	543.6	534.2	486.0	376.0	295.4	245.1	216.8	203.2	190.6	177.0	177.0
40°	583.4	570.9	493.4	344.6	259.8	212.6	192.7	174.9	162.4	143.5	142.5
42.5°	625.3	598.1	493.4	306.9	228.3	189.6	170.7	151.9	128.8	117.3	118.4
45°	678.8	647.3	479.7	273.4	196.9	170.7	149.8	125.7	115.2	107.9	107.9
47.5°	745.8	696.6	463.0	236.7	171.8	154.0	127.8	113.1	105.8	99.5	98.5
50°	825.4	741.6	442.0	205.3	150.8	138.3	116.3	104.7	98.5	94.3	94.3
52.5°	909.2	807.6	427.4	177.0	134.1	117.3	107.9	100.6	95.3	92.2	91.1
55°	994.0	873.6	416.9	146.6	118.4	107.9	105.8	99.5	97.4	94.3	92.2
57.5°	1089.4	928.1	414.8	125.7	105.8	103.7	107.9	102.7	99.5	96.4	93.2
60°	1192.0	1001.4	395.9	108.9	99.5	101.6	104.7	99.5	97.4	94.3	92.2
62.5°	1293.6	1055.8	344.6	96.4	93.2	95.3	99.5	95.3	92.2	93.2	94.3
65°	1335.5	1060.0	267.1	86.9	85.9	86.9	93.2	92.2	89.0	95.3	95.3
67.5°	1293.6	1022.3	188.5	78.6	78.6	83.8	94.3	96.4	93.2	101.6	100.6
70°	1198.3	929.1	127.8	73.3	75.4	89.0	97.4	95.3	91.1	101.6	99.5
72.5°	1017.1	743.7	93.2	68.1	71.2	84.8	96.4	94.3	91.1	95.3	91.1
75°	763.6	529.0	73.3	61.8	62.8	76.5	99.5	94.3	85.9	83.8	80.7
77.5°	510.1	326.8	56.6	54.5	54.5	67.0	95.3	88.0	77.5	74.4	73.3
80°	243.0	130.9	45.0	46.1	47.1	57.6	86.9	78.6	70.2	66.0	66.0
82.5°	77.5	49.2	37.7	37.7	37.7	47.1	72.3	66.0	60.8	57.6	52.4
85°	27.2	27.2	32.5	33.5	30.4	34.6	59.7	56.6	50.3	41.9	40.9
87.5°	10.5	15.7	22.0	26.2	18.9	24.1	42.9	39.8	36.7	27.2	26.2
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)