

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: P675056

Luminaire Tested: **CCW-SA-1B-850-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675056
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-850-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

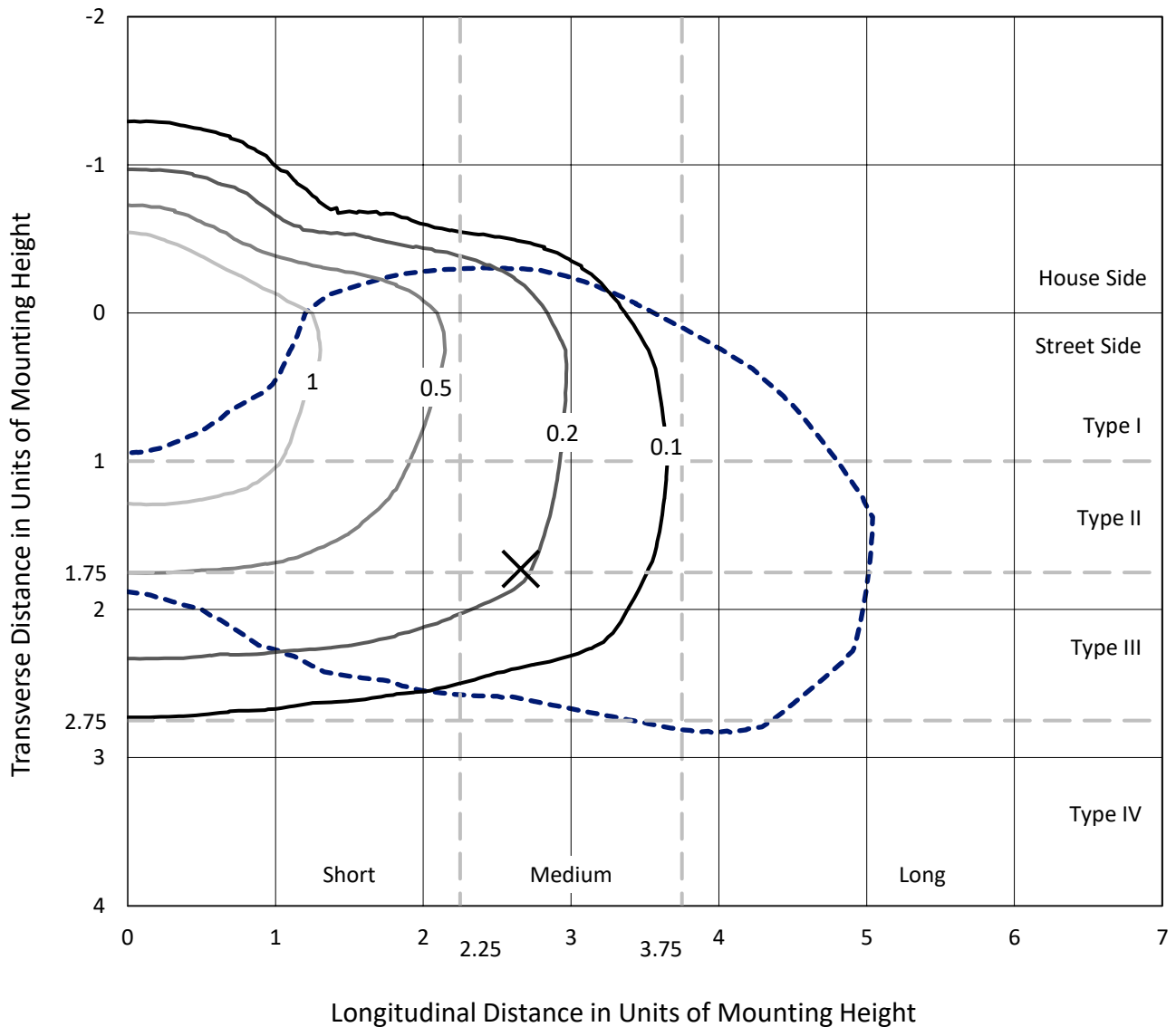
Lumens per Lamp: N/A
Luminaire Lumens: 3044.9 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

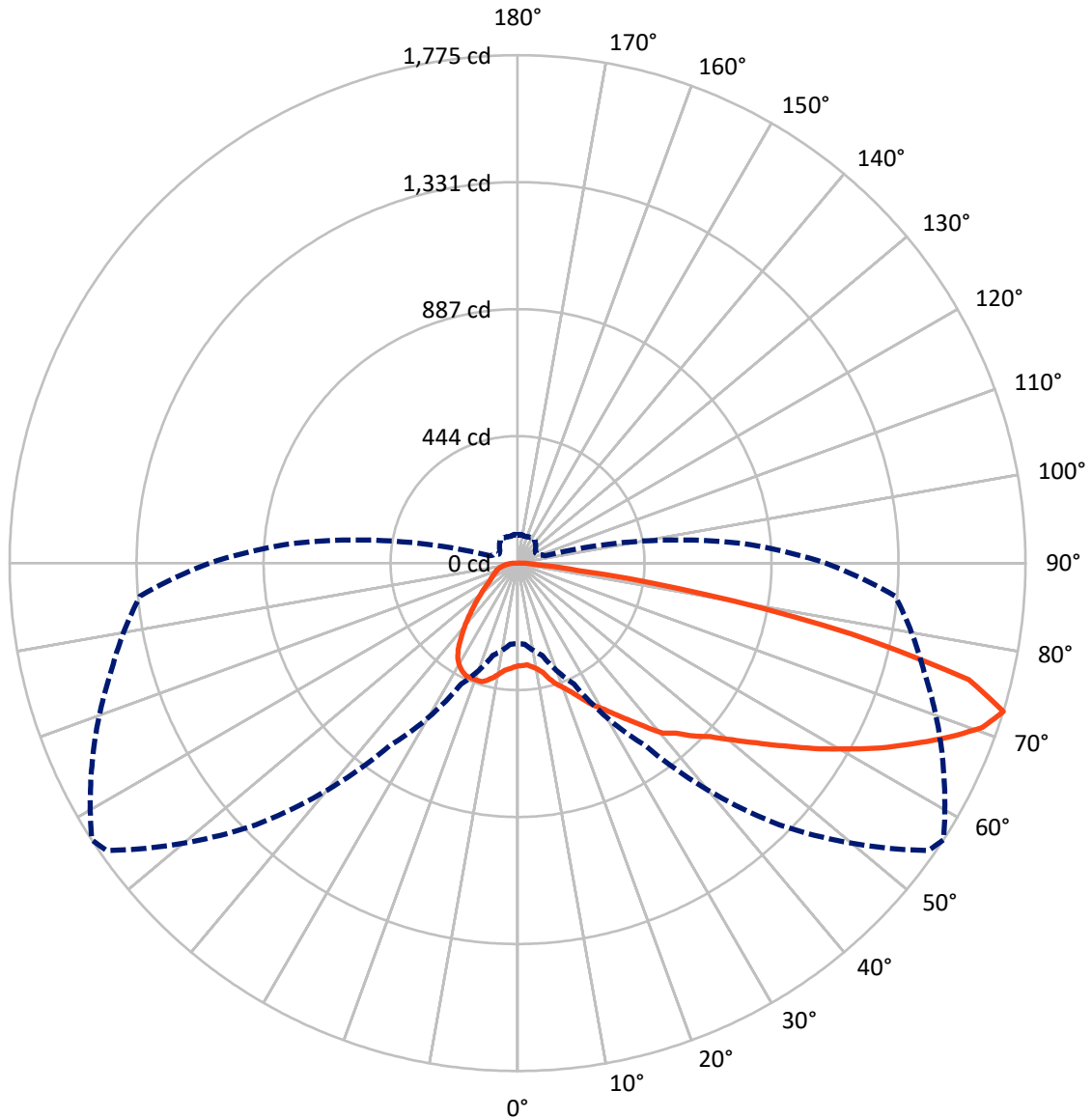
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 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	711.1	0.0	711.1
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2333.8	0.0	2333.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	3044.9	0.0	3044.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	1.2
10°-20°	120.2	3.9
20°-30°	219.8	7.2
30°-40°	322.5	10.6
40°-50°	444.0	14.6
50°-60°	608.8	20.0
60°-70°	733.9	24.1
70°-80°	488.9	16.1
80°-90°	71.2	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°	3044.9	100.0
0°-180°	3044.9	100.0



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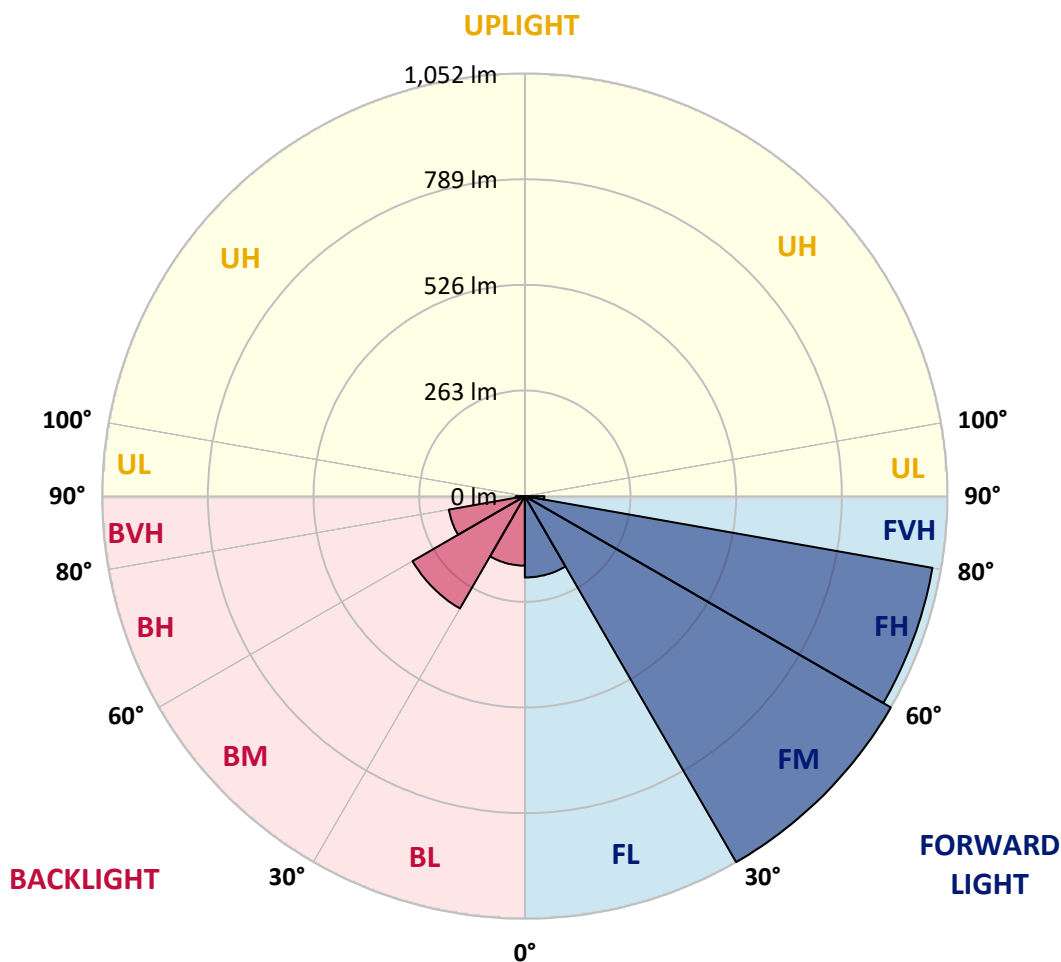
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.6	6.7			
FM (30°-60°)	1052.3	34.6			
FH (60°-80°)	1030.5	33.8			G1/1800
FVH (80°-90°)	48.5	1.6			G1/100
BL (0°-30°)	173.1	5.7	B1/500		
BM (30°-60°)	323.0	10.6	B1/1000		
BH (60°-80°)	192.3	6.3	B1/500		G1/500
BVH (80°-90°)	22.7	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°	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4
2.5°	352.7	353.9	356.1	355.0	355.0	351.6	357.2	358.3	356.1	357.2	359.4
5°	352.7	355.0	358.3	356.1	357.2	356.1	353.9	357.2	357.2	358.3	361.6
7.5°	371.6	370.5	370.5	367.2	366.1	364.9	366.1	366.1	363.8	364.9	364.9
10°	392.7	392.7	390.5	390.5	388.2	382.7	377.1	376.0	372.7	373.8	373.8
12.5°	414.9	417.1	419.3	412.6	410.4	401.5	398.2	391.6	391.6	389.3	388.2
15°	442.6	439.3	441.5	439.3	433.7	424.8	419.3	420.4	412.6	410.4	407.1
17.5°	467.0	468.1	464.8	462.6	452.6	445.9	447.0	445.9	435.9	432.6	427.1
20°	495.8	494.7	494.7	488.1	479.2	470.3	467.0	465.9	468.1	461.4	448.1
22.5°	525.8	521.3	521.3	515.8	503.6	498.1	495.8	491.4	493.6	488.1	468.1
25°	550.2	550.2	558.0	546.9	540.2	529.1	524.7	525.8	526.9	515.8	492.5
27.5°	582.4	576.8	584.6	579.0	575.7	563.5	558.0	561.3	559.1	546.9	514.7
30°	623.4	624.5	620.1	612.3	607.9	599.0	595.7	592.3	595.7	580.1	539.1
32.5°	674.4	677.8	666.7	657.8	650.0	641.1	634.5	631.2	634.5	611.2	558.0
35°	733.2	736.5	727.7	717.7	708.8	686.6	681.1	675.5	663.3	625.6	575.7
37.5°	787.6	783.1	780.9	780.9	764.3	732.1	728.8	725.4	702.2	654.5	600.1
40°	824.2	829.7	827.5	825.3	823.1	793.1	786.5	780.9	742.1	697.7	634.5
42.5°	865.2	861.9	870.8	874.1	866.3	857.4	830.8	812.0	777.6	742.1	685.5
45°	914.0	911.8	915.1	927.3	916.2	919.6	875.2	861.9	818.6	797.5	749.9
47.5°	957.3	962.8	979.5	982.8	973.9	989.4	927.3	906.3	878.5	861.9	816.4
50°	976.1	982.8	1020.5	1043.8	1044.9	1069.3	979.5	970.6	932.9	939.5	899.6
52.5°	960.6	981.7	1027.2	1088.2	1125.9	1150.3	1048.2	1043.8	1009.4	1030.5	990.6
55°	975.0	995.0	1024.9	1110.4	1205.8	1211.3	1143.6	1127.0	1092.6	1121.4	1084.8
57.5°	981.7	970.6	1027.2	1134.8	1264.5	1279.0	1234.6	1222.4	1195.8	1223.5	1202.4
60°	929.5	942.9	996.1	1128.1	1267.9	1351.1	1336.6	1318.9	1294.5	1320.0	1307.8
62.5°	870.8	879.6	937.3	1088.2	1286.7	1403.2	1435.4	1422.1	1387.7	1409.9	1430.9
65°	796.4	797.5	861.9	1017.2	1250.1	1433.1	1521.9	1520.8	1496.4	1490.8	1524.1
67.5°	705.5	714.4	765.4	941.8	1200.2	1466.4	1607.3	1623.9	1575.1	1531.9	1544.1
70°	541.3	550.2	599.0	772.0	1098.2	1456.4	1712.7	1721.6	1626.2	1516.3	1485.3
72.5°	281.7	284.0	333.9	465.9	778.7	1293.4	1751.5	1774.8	1639.5	1470.9	1324.4
75°	93.2	93.2	114.3	177.5	367.2	827.5	1586.2	1628.4	1574.0	1357.7	1083.7
77.5°	55.5	56.6	67.7	88.7	146.4	330.6	1118.1	1192.4	1287.8	1154.7	792.0
80°	39.9	41.0	51.0	61.0	87.6	106.5	561.3	664.4	790.9	743.2	422.6
82.5°	29.9	29.9	39.9	45.5	59.9	63.2	156.4	214.1	341.6	266.2	116.5
85°	31.1	31.1	31.1	32.2	41.0	36.6	65.4	69.9	99.8	87.6	32.2
87.5°	11.1	12.2	31.1	21.1	21.1	15.5	25.5	27.7	35.5	36.6	12.2
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°	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4
2.5°	360.5	360.5	361.6	361.6	363.8	366.1	369.4	367.2	367.2	368.3	367.2
5°	359.4	360.5	363.8	369.4	371.6	372.7	379.4	379.4	379.4	381.6	381.6
7.5°	363.8	366.1	371.6	377.1	378.3	381.6	390.5	392.7	398.2	400.4	401.5
10°	374.9	378.3	382.7	389.3	393.8	398.2	404.9	412.6	411.5	418.2	419.3
12.5°	391.6	390.5	398.2	404.9	409.3	416.0	418.2	418.2	418.2	418.2	420.4
15°	404.9	407.1	413.7	418.2	423.7	422.6	418.2	413.7	414.9	413.7	413.7
17.5°	424.8	424.8	430.4	431.5	433.7	422.6	416.0	416.0	419.3	419.3	417.1
20°	444.8	443.7	445.9	444.8	430.4	417.1	416.0	417.1	418.2	417.1	416.0
22.5°	463.7	461.4	458.1	453.7	428.2	416.0	413.7	408.2	402.7	402.7	399.3
25°	480.3	478.1	469.2	455.9	427.1	409.3	398.2	384.9	378.3	374.9	379.4
27.5°	495.8	491.4	479.2	455.9	417.1	391.6	370.5	353.9	348.3	343.9	348.3
30°	516.9	509.1	492.5	452.6	401.5	363.8	335.0	315.0	309.5	302.8	305.0
32.5°	535.8	518.0	503.6	442.6	381.6	332.8	299.5	279.5	269.5	264.0	268.4
35°	555.7	538.0	508.0	427.1	350.5	295.1	261.8	242.9	235.2	227.4	227.4
37.5°	575.7	565.7	514.7	398.2	312.8	259.6	229.6	215.2	201.9	187.5	187.5
40°	617.9	604.5	522.5	364.9	275.1	225.2	204.1	185.2	171.9	152.0	150.9
42.5°	662.2	633.4	522.5	325.0	241.8	200.8	180.8	160.8	136.4	124.2	125.3
45°	718.8	685.5	508.0	289.5	208.5	180.8	158.6	133.1	122.0	114.3	114.3
47.5°	789.8	737.6	490.3	250.7	181.9	163.1	135.3	119.8	112.0	105.4	104.3
50°	874.1	785.3	468.1	217.4	159.7	146.4	123.1	110.9	104.3	99.8	99.8
52.5°	962.8	855.2	452.6	187.5	142.0	124.2	114.3	106.5	100.9	97.6	96.5
55°	1052.7	925.1	441.5	155.3	125.3	114.3	112.0	105.4	103.2	99.8	97.6
57.5°	1153.6	982.8	439.3	133.1	112.0	109.8	114.3	108.7	105.4	102.1	98.7
60°	1262.3	1060.4	419.3	115.4	105.4	107.6	110.9	105.4	103.2	99.8	97.6
62.5°	1369.9	1118.1	364.9	102.1	98.7	100.9	105.4	100.9	97.6	98.7	99.8
65°	1414.3	1122.6	282.9	92.1	91.0	92.1	98.7	97.6	94.3	100.9	100.9
67.5°	1369.9	1082.6	199.7	83.2	83.2	88.7	99.8	102.1	98.7	107.6	106.5
70°	1269.0	983.9	135.3	77.6	79.9	94.3	103.2	100.9	96.5	107.6	105.4
72.5°	1077.1	787.6	98.7	72.1	75.4	89.8	102.1	99.8	96.5	100.9	96.5
75°	808.6	560.2	77.6	65.4	66.6	81.0	105.4	99.8	91.0	88.7	85.4
77.5°	540.2	346.1	59.9	57.7	57.7	71.0	100.9	93.2	82.1	78.8	77.6
80°	257.3	138.7	47.7	48.8	49.9	61.0	92.1	83.2	74.3	69.9	69.9
82.5°	82.1	52.1	39.9	39.9	39.9	49.9	76.5	69.9	64.3	61.0	55.5
85°	28.8	28.8	34.4	35.5	32.2	36.6	63.2	59.9	53.2	44.4	43.3
87.5°	11.1	16.6	23.3	27.7	20.0	25.5	45.5	42.2	38.8	28.8	27.7
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)