

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: P675089

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675089
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-727-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4FT distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2286.5 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

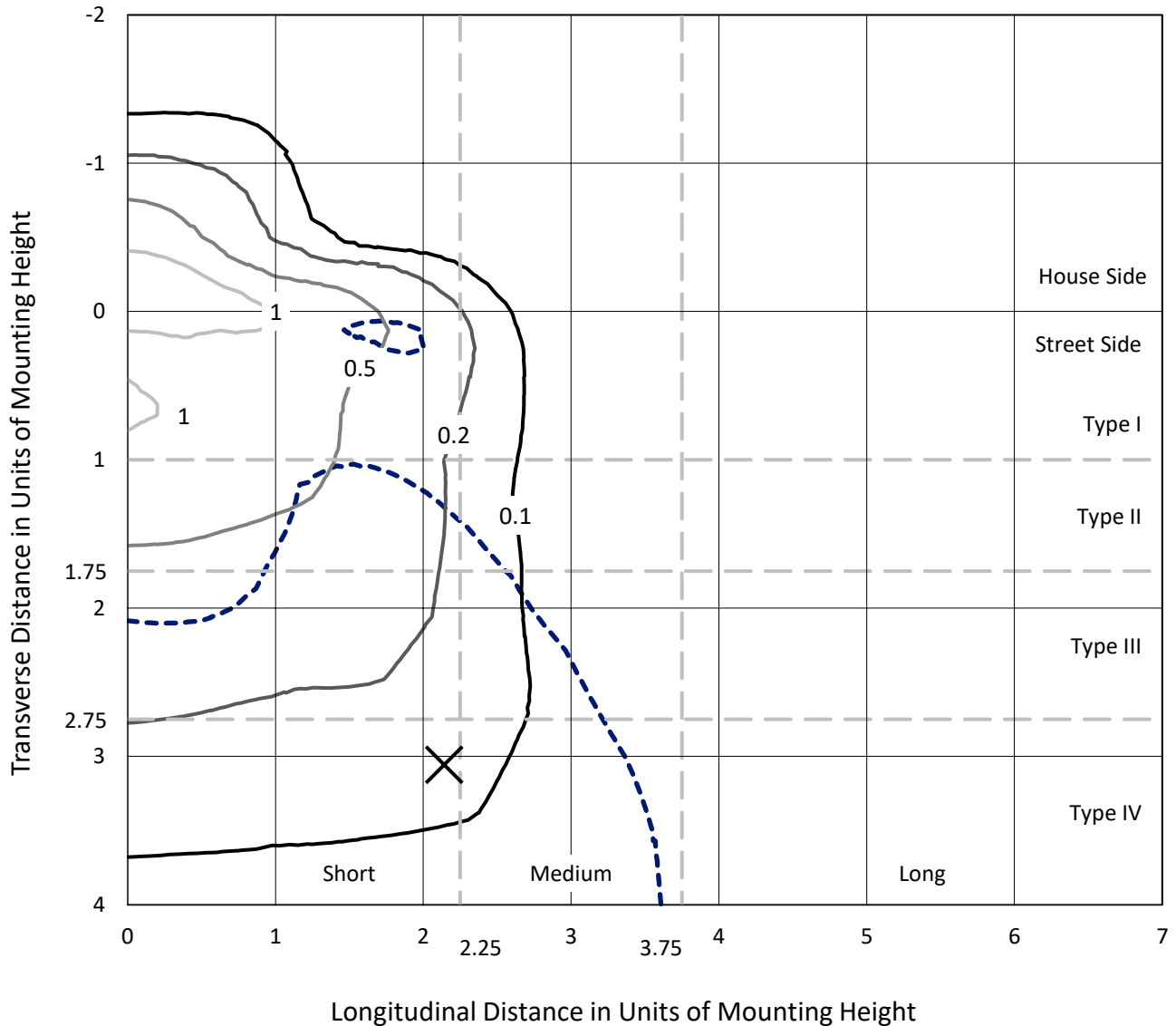
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P675089
 CATALOG NUMBER: CCW-SA-1A-727-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

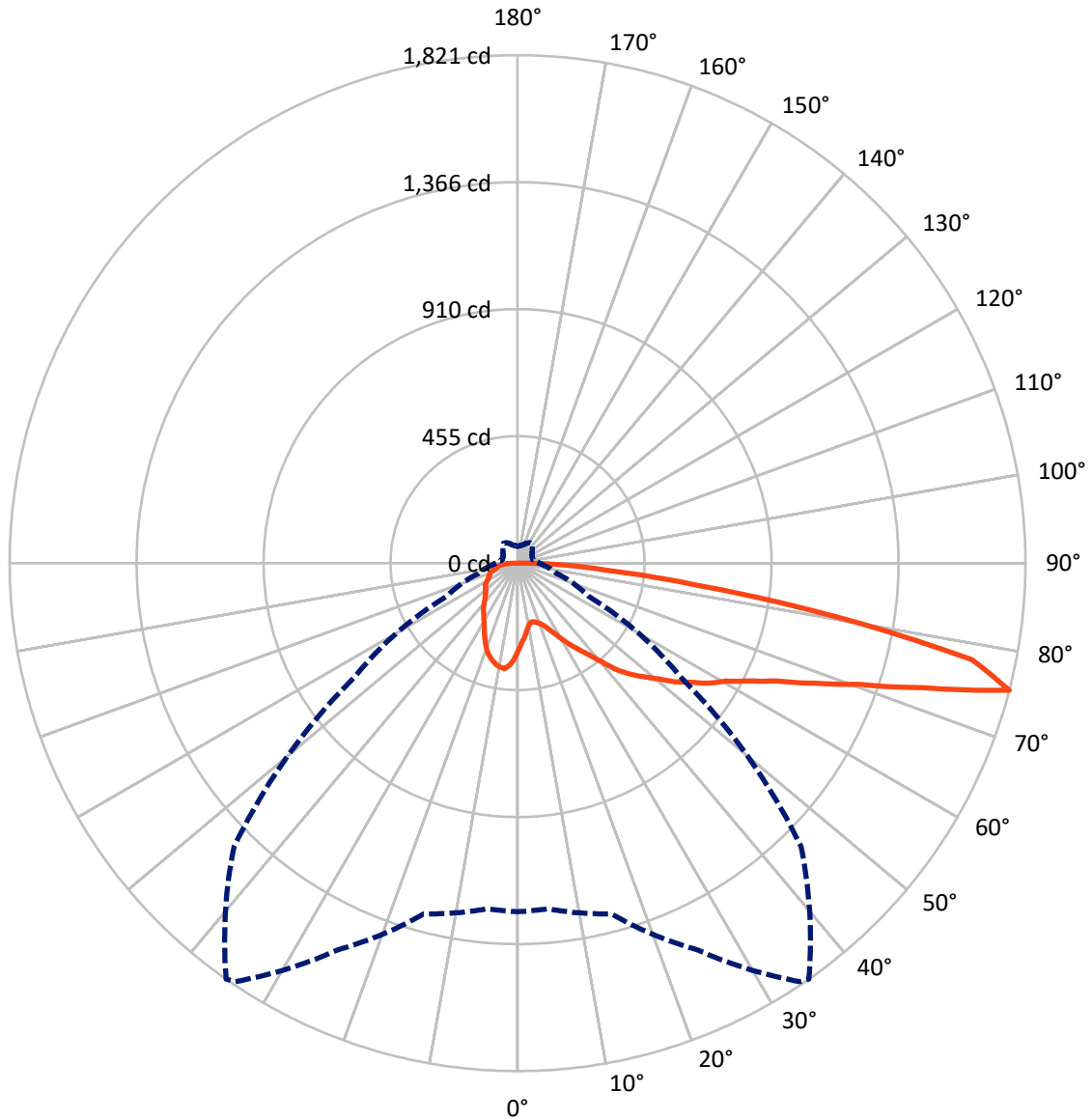
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P675089
CATALOG NUMBER: CCW-SA-1A-727-U-T4FT

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	525.5	0.0	525.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	1761.0	0.0	1761.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	2286.5	0.0	2286.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	1.3
10°-20°	86.6	3.8
20°-30°	143.8	6.3
30°-40°	213.1	9.3
40°-50°	307.3	13.4
50°-60°	422.5	18.5
60°-70°	521.9	22.8
70°-80°	477.5	20.9
80°-90°	84.0	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°	2286.5	100.0
0°-180°	2286.5	100.0



REPORT NUMBER: P675089

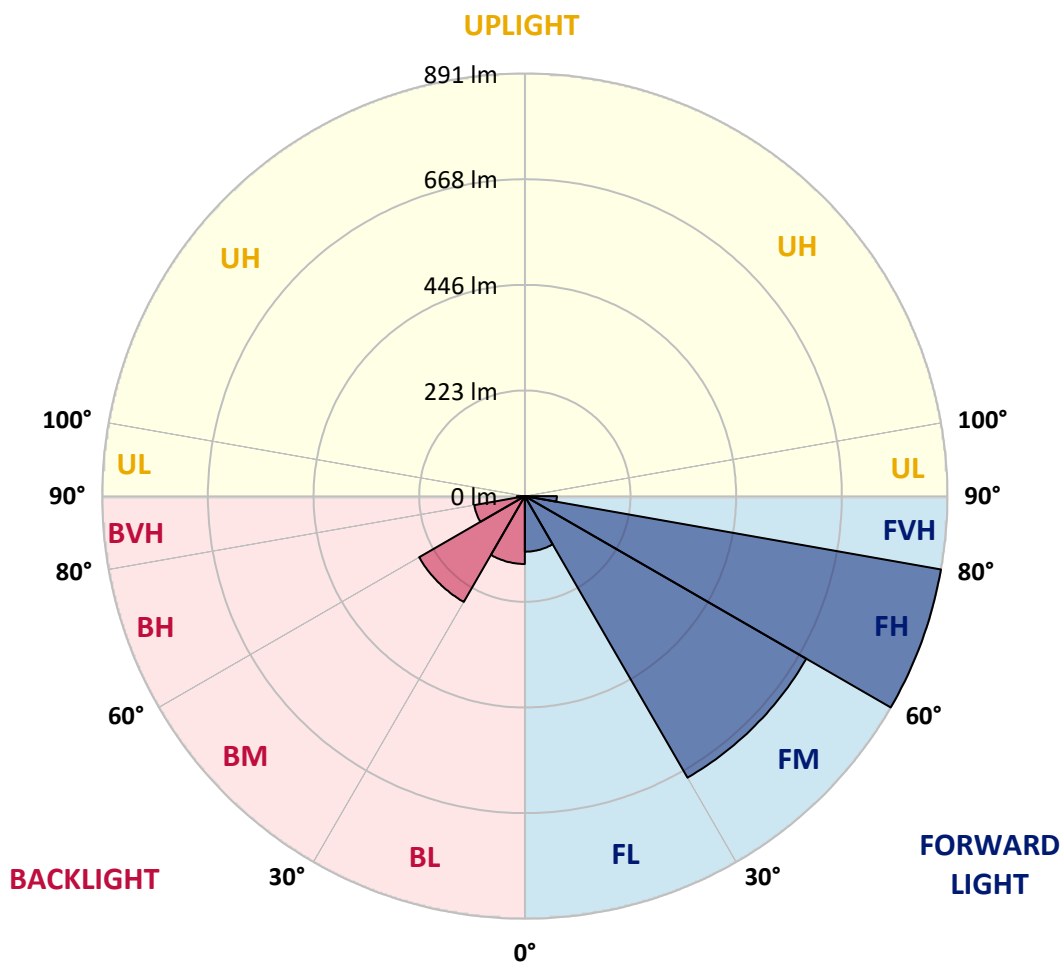
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.2	5.1			
FM (30°-60°)	685.4	30.0			
FH (60°-80°)	891.0	39.0			G1/1800
FVH (80°-90°)	67.5	3.0			G1/100
BL (0°-30°)	143.0	6.3	B1/500		
BM (30°-60°)	257.5	11.3	B1/1000		
BH (60°-80°)	108.4	4.7	B0/110		G0/110
BVH (80°-90°)	16.6	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 IV Short





REPORT NUMBER: P675089
 CATALOG NUMBER: CCW-SA-1A-727-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3
2.5°	283.8	281.3	283.8	285.5	285.5	285.5	288.0	295.6	300.6	304.0	309.9
5°	254.3	255.2	256.8	261.1	263.6	265.3	269.5	278.7	286.3	297.3	309.9
7.5°	228.2	229.9	232.4	236.6	242.5	241.7	251.0	263.6	277.9	292.2	310.7
10°	214.7	218.1	219.0	219.8	225.7	225.7	238.3	252.6	270.3	288.8	310.7
12.5°	217.3	217.3	214.7	213.9	217.3	216.4	227.4	244.2	263.6	289.7	314.1
15°	224.8	224.8	219.8	214.7	219.8	218.1	227.4	240.8	263.6	290.5	320.8
17.5°	235.0	235.8	229.9	221.5	223.2	224.0	230.7	243.4	263.6	292.2	330.1
20°	255.2	251.0	241.7	228.2	234.1	231.6	241.7	252.6	268.6	299.0	343.6
22.5°	272.8	272.8	255.2	243.4	244.2	244.2	253.5	262.7	276.2	308.2	353.7
25°	301.5	299.8	277.9	260.2	261.9	262.7	267.8	278.7	288.8	313.3	366.3
27.5°	337.7	333.5	311.6	291.4	284.6	287.2	289.7	298.1	300.6	321.7	381.5
30°	376.4	370.5	352.0	320.0	316.6	317.5	313.3	318.3	315.0	335.2	396.6
32.5°	400.9	400.9	383.2	359.6	350.3	350.3	336.0	339.4	339.4	347.8	423.6
35°	421.9	420.2	408.4	390.7	384.9	381.5	367.2	372.2	363.8	372.2	461.5
37.5°	453.9	448.9	443.8	432.0	420.2	417.7	410.1	413.5	401.7	397.5	504.4
40°	491.0	488.4	483.4	478.3	466.5	465.7	457.3	460.6	448.0	432.0	547.4
42.5°	545.7	538.1	522.1	517.9	520.4	523.8	520.4	514.5	491.8	471.6	593.7
45°	600.4	588.6	558.3	551.6	571.0	568.4	582.8	580.2	543.2	511.2	642.5
47.5°	635.8	625.7	601.3	597.1	605.5	608.9	651.8	644.2	585.3	547.4	689.7
50°	661.1	661.9	629.9	640.9	651.8	651.8	705.7	704.9	636.6	592.0	751.2
52.5°	698.1	686.3	672.9	683.0	698.1	706.5	773.1	754.5	668.6	629.9	820.2
55°	717.5	712.4	700.6	718.3	750.3	754.5	825.3	811.0	704.9	674.5	891.0
57.5°	725.1	729.3	748.6	756.2	800.9	811.8	872.4	852.2	738.5	730.1	945.7
60°	758.8	752.9	779.0	809.3	852.2	858.1	931.4	887.6	771.4	766.3	963.4
62.5°	827.0	811.8	826.1	862.3	922.1	929.7	993.7	934.8	785.7	790.8	962.5
65°	926.3	915.4	894.3	923.0	1007.2	1018.1	1067.0	975.2	781.5	782.3	894.3
67.5°	1043.4	1025.7	1003.8	1021.5	1124.2	1149.5	1156.2	992.9	752.0	735.2	727.6
70°	1146.1	1134.3	1120.0	1150.3	1293.5	1302.8	1267.4	981.9	670.3	590.3	485.1
72.5°	1242.1	1236.2	1244.7	1358.3	1522.6	1528.5	1371.8	912.9	529.7	357.9	225.7
75°	1249.7	1243.8	1301.9	1530.1	1809.7	1820.7	1436.7	715.8	279.6	145.7	95.2
77.5°	846.3	864.0	972.7	1339.8	1662.4	1664.9	1174.8	332.6	115.4	85.9	66.5
80°	208.0	230.7	366.3	693.1	1120.9	1148.7	643.4	112.0	75.8	65.7	49.7
82.5°	75.8	82.5	149.1	313.3	629.9	640.9	224.8	60.6	54.7	50.5	36.2
85°	36.2	37.1	70.7	154.1	318.3	315.0	80.8	36.2	39.6	34.5	21.9
87.5°	15.2	15.2	31.2	71.6	140.6	136.4	26.1	16.8	22.7	20.2	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675089
 CATALOG NUMBER: CCW-SA-1A-727-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3
2.5°	314.1	315.8	322.5	327.6	332.6	336.9	343.6	343.6	347.8	347.8	347.8
5°	313.3	322.5	333.5	345.3	352.9	360.4	367.2	368.0	370.5	373.9	374.7
7.5°	316.6	325.9	343.6	360.4	369.7	373.1	381.5	379.0	379.0	379.0	381.5
10°	323.4	333.5	357.9	373.1	379.8	380.6	378.1	376.4	371.4	369.7	367.2
12.5°	328.4	346.1	370.5	382.3	379.8	377.3	371.4	363.0	357.1	355.4	355.4
15°	341.1	358.7	381.5	385.7	381.5	368.0	360.4	351.2	346.1	338.5	341.9
17.5°	352.0	372.2	392.4	387.4	379.0	357.9	347.0	333.5	326.7	318.3	318.3
20°	366.3	384.9	402.5	389.1	370.5	347.8	330.1	313.3	304.0	295.6	297.3
22.5°	382.3	399.2	408.4	382.3	357.9	331.8	307.4	291.4	279.6	274.5	276.2
25°	395.0	413.5	411.8	371.4	342.7	311.6	284.6	269.5	267.0	261.9	261.9
27.5°	411.0	430.3	409.3	357.9	317.5	279.6	262.7	256.8	256.8	254.3	256.0
30°	432.0	445.5	403.4	338.5	285.5	251.0	242.5	245.9	251.8	249.3	250.1
32.5°	466.5	464.9	398.3	316.6	251.8	223.2	229.1	235.8	240.8	243.4	245.1
35°	500.2	489.3	392.4	287.2	220.6	209.7	214.7	222.3	231.6	234.1	235.0
37.5°	533.9	514.5	382.3	251.0	201.3	197.9	203.0	207.2	214.7	216.4	218.1
40°	569.3	531.4	364.6	215.6	185.3	185.3	188.6	189.5	193.7	196.2	197.9
42.5°	600.4	547.4	332.6	182.7	168.4	174.3	175.2	173.5	170.1	171.8	172.6
45°	638.3	565.1	295.6	159.2	155.8	163.4	165.1	158.3	152.4	149.1	147.4
47.5°	675.4	583.6	263.6	139.8	144.0	155.8	155.8	148.2	138.1	129.7	126.3
50°	709.1	602.1	237.5	128.0	132.2	149.9	151.6	137.3	126.3	116.2	114.5
52.5°	765.5	633.3	210.5	118.7	125.5	145.7	144.8	132.2	117.9	106.9	106.1
55°	815.2	664.4	175.2	109.5	118.7	139.8	142.3	127.2	107.8	97.7	96.0
57.5°	851.4	672.0	139.8	100.2	112.0	133.1	136.4	117.1	101.1	92.6	91.8
60°	858.1	642.5	113.7	92.6	102.7	123.8	126.3	111.2	96.0	89.3	87.6
62.5°	827.0	586.1	96.8	85.9	95.2	114.5	119.6	104.4	90.9	85.1	84.2
65°	756.2	503.6	85.1	80.0	90.1	107.8	113.7	99.4	86.7	81.7	80.8
67.5°	598.8	386.5	75.8	75.8	83.4	101.1	109.5	96.0	82.5	79.2	78.3
70°	391.6	232.4	69.1	69.9	78.3	95.2	104.4	91.8	77.5	76.6	74.9
72.5°	168.4	106.9	61.5	64.0	70.7	85.1	96.8	85.9	71.6	69.1	66.5
75°	77.5	64.8	55.6	57.3	63.2	74.9	87.6	79.2	66.5	62.3	59.8
77.5°	54.7	47.2	46.3	49.7	53.9	64.8	77.5	74.1	61.5	58.1	56.4
80°	40.4	36.2	38.7	42.1	44.6	59.8	73.3	68.2	56.4	51.4	48.8
82.5°	28.6	26.9	30.3	33.7	36.2	52.2	67.4	59.8	47.2	42.9	38.7
85°	16.8	17.7	21.1	22.7	25.3	38.7	56.4	48.0	36.2	27.8	26.9
87.5°	7.6	7.6	10.1	10.9	12.6	22.7	37.9	30.3	22.7	17.7	16.8
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)