

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: P676563

Luminaire Tested: **CCW-SA-1B-740-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676563
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-740-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

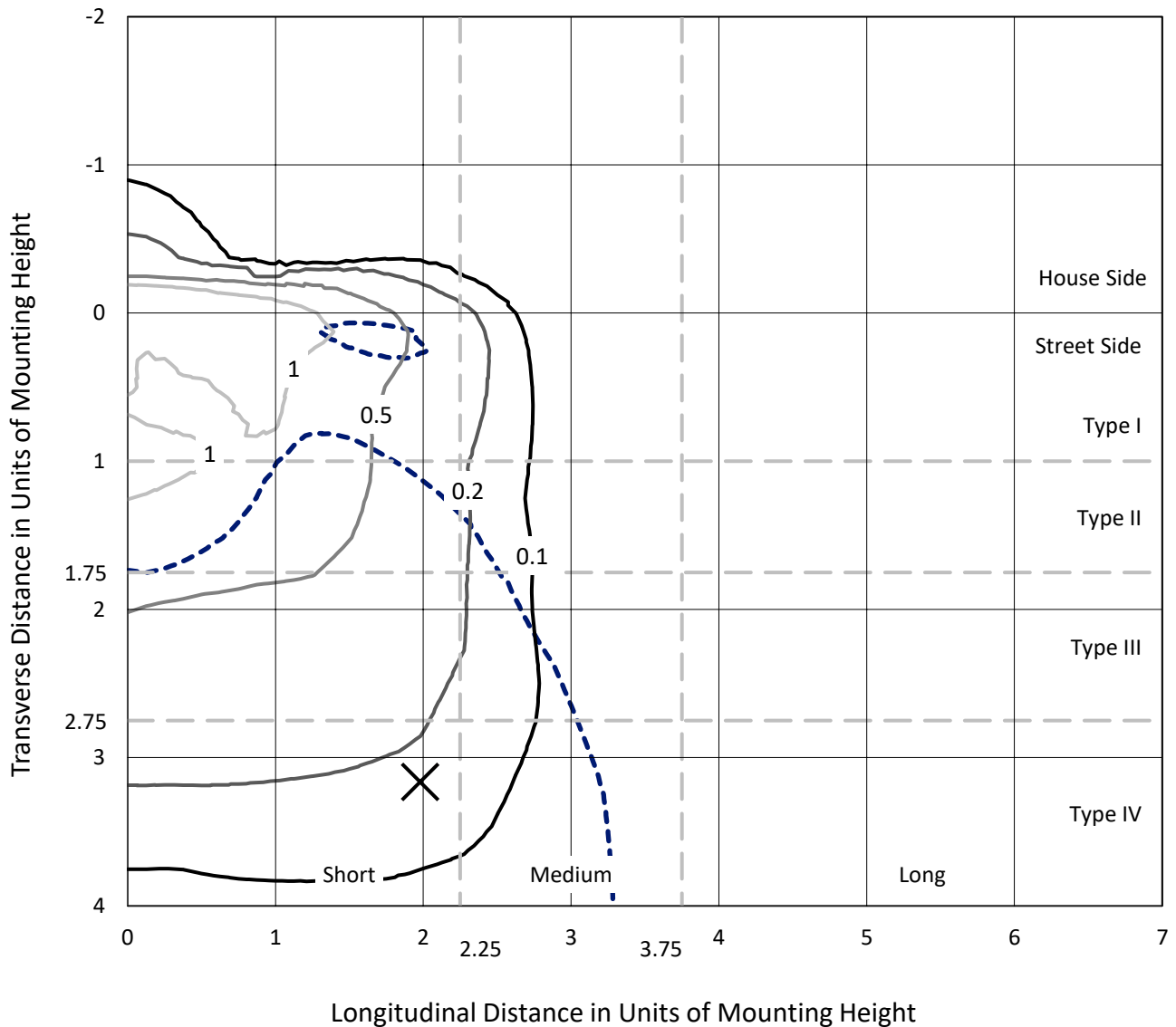
Lumens per Lamp: N/A
Luminaire Lumens: 2479.8 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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

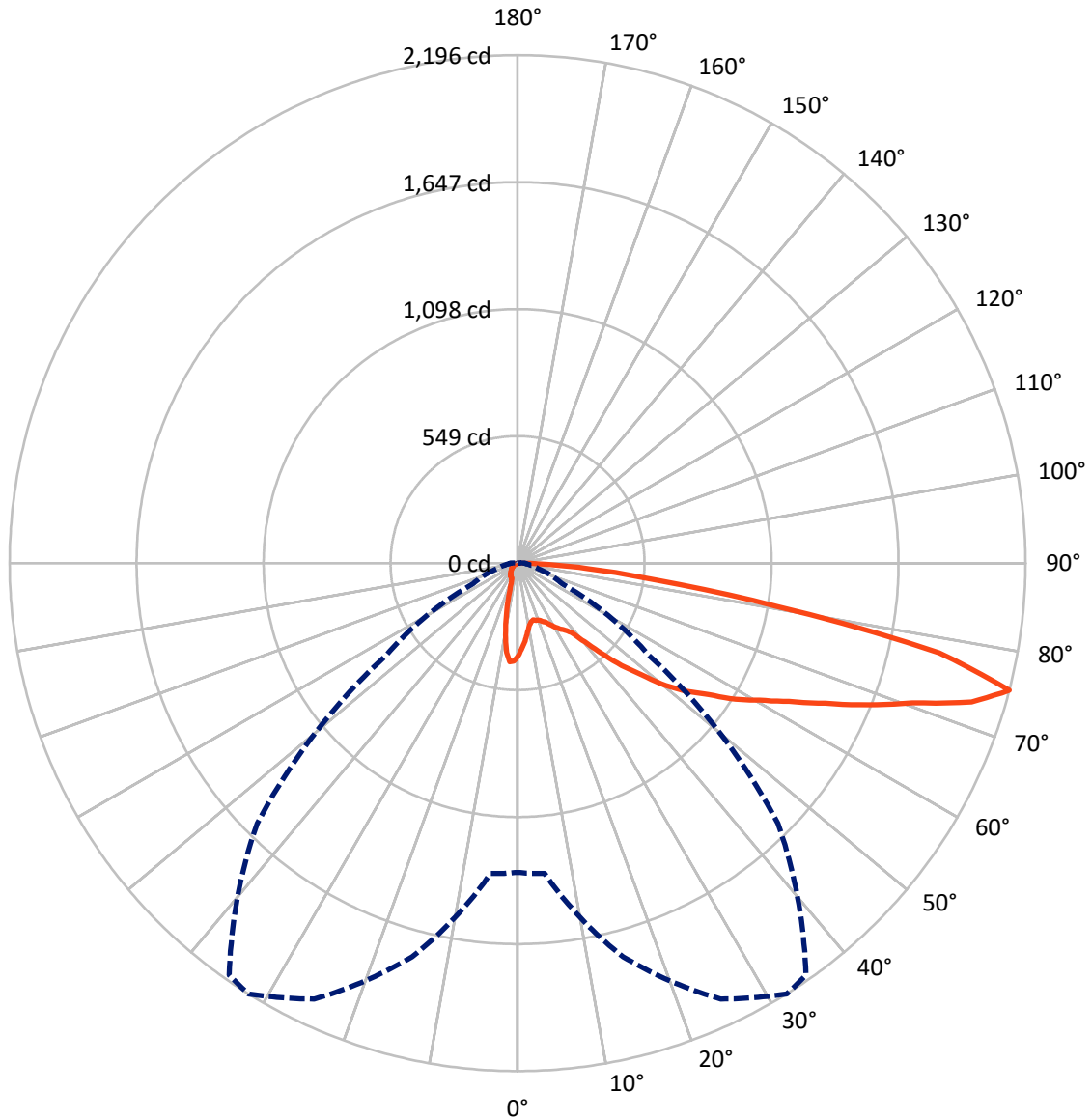
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	267.9	0.0	267.9
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2211.9	0.0	2211.9
	% Fixture	89.2	0.0	89.2
Total	Lumens	2479.8	0.0	2479.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	1.4
10°-20°	79.9	3.2
20°-30°	119.6	4.8
30°-40°	183.6	7.4
40°-50°	321.1	12.9
50°-60°	501.9	20.2
60°-70°	648.9	26.2
70°-80°	528.5	21.3
80°-90°	61.2	2.5
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°	2479.8	100.0
0°-180°	2479.8	100.0

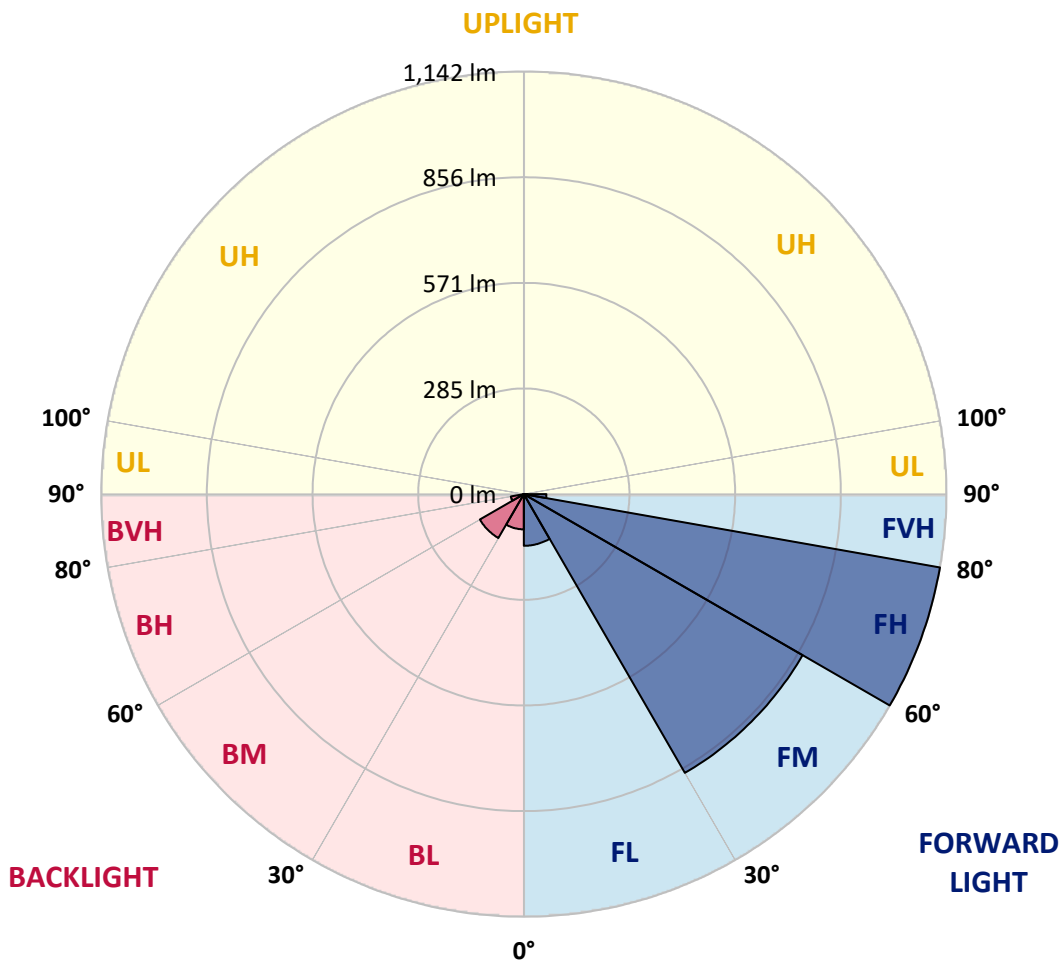


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.5	5.6			
FM (30°-60°)	869.5	35.1			
FH (60°-80°)	1141.7	46.0			G1/1800
FVH (80°-90°)	61.1	2.5			G1/100
BL (0°-30°)	95.2	3.8	B0/110		
BM (30°-60°)	137.1	5.5	B0/220		
BH (60°-80°)	35.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	400.4	400.4	400.4	400.4	400.4	400.4	400.4	400.4	400.4	400.4	400.4
2.5°	359.1	364.2	363.6	366.7	367.4	369.3	373.7	373.7	386.4	395.3	401.1
5°	326.7	323.5	324.8	328.6	338.1	337.5	348.3	354.0	369.3	382.0	395.3
7.5°	286.6	286.0	288.6	297.5	304.4	310.2	321.6	336.2	356.6	375.6	399.1
10°	261.2	260.0	265.0	267.6	275.8	279.7	297.5	320.3	344.5	371.8	399.1
12.5°	255.5	251.1	253.6	253.0	260.6	262.5	279.7	307.6	336.9	370.5	404.2
15°	258.7	255.5	253.0	253.0	254.9	256.1	274.6	299.4	332.4	372.5	415.7
17.5°	268.9	266.9	259.3	251.7	260.0	260.0	271.4	297.5	333.0	378.2	429.7
20°	280.9	279.0	265.7	256.8	262.5	268.9	280.9	301.9	335.0	382.6	451.3
22.5°	294.3	294.3	275.8	265.7	273.3	273.9	295.5	315.9	342.6	394.1	465.2
25°	310.8	309.5	291.7	280.3	282.8	289.8	309.5	331.1	356.6	410.0	491.3
27.5°	332.4	330.5	309.5	298.1	301.3	308.9	331.1	352.8	369.3	416.3	513.6
30°	350.2	348.3	331.1	314.0	321.0	328.0	354.0	373.1	385.2	428.4	539.0
32.5°	354.0	350.8	339.4	331.8	339.4	352.8	373.1	392.8	411.2	458.9	587.3
35°	397.9	386.4	356.6	344.5	355.9	360.4	394.1	429.0	446.8	483.0	641.3
37.5°	481.8	471.0	431.6	397.9	382.0	387.1	430.9	474.1	491.3	528.2	700.4
40°	584.7	566.9	525.0	479.9	447.5	441.1	469.7	533.3	549.8	584.7	778.0
42.5°	702.3	685.2	620.3	566.9	533.9	525.6	530.1	601.9	615.9	636.9	828.8
45°	786.9	778.0	704.9	657.2	631.1	622.2	611.4	676.9	694.7	701.7	902.5
47.5°	835.8	829.4	788.8	756.3	721.4	711.9	718.8	781.1	769.1	774.8	973.1
50°	901.3	884.7	829.4	839.6	832.6	830.1	842.2	869.5	851.7	835.2	1050.0
52.5°	954.0	924.8	886.0	910.8	921.6	931.1	973.7	994.1	914.6	889.2	1099.6
55°	986.4	958.5	968.6	991.5	1003.0	1046.8	1097.0	1081.8	955.9	932.4	1165.7
57.5°	1015.7	1017.6	1044.9	1051.9	1110.4	1118.0	1214.6	1165.0	985.2	971.8	1191.7
60°	1086.2	1079.2	1101.5	1146.6	1202.5	1245.1	1337.3	1221.0	999.8	992.1	1184.7
62.5°	1213.3	1170.1	1177.7	1234.9	1316.9	1363.3	1407.8	1246.4	996.0	995.3	1163.8
65°	1374.8	1325.2	1302.3	1355.7	1461.8	1527.3	1487.3	1275.0	970.5	988.3	1085.6
67.5°	1508.9	1509.5	1466.9	1496.8	1635.4	1649.3	1562.3	1269.3	928.0	933.0	894.9
70°	1663.3	1684.3	1646.8	1740.2	1809.5	1818.4	1648.1	1222.2	836.4	703.6	514.2
72.5°	1702.7	1713.5	1830.5	1974.1	2052.3	2054.8	1732.6	1065.2	550.4	310.8	159.5
75°	1337.3	1347.4	1761.8	2079.6	2195.9	2173.7	1591.5	691.5	214.2	90.9	38.1
77.5°	746.2	749.4	1093.8	1681.1	1862.9	1773.3	1114.8	269.5	86.4	52.1	17.8
80°	204.0	239.6	405.5	828.8	1137.7	1116.7	530.7	87.7	55.9	40.7	8.3
82.5°	48.9	52.8	130.3	366.7	601.3	627.3	158.3	44.5	38.8	33.7	4.4
85°	17.8	19.7	40.0	178.6	308.9	283.5	47.7	22.2	28.6	26.1	1.9
87.5°	6.4	6.4	12.7	58.5	90.3	68.0	15.9	7.6	14.6	15.9	0.6
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°	400.4	400.4	400.4	400.4	400.4	400.4	400.4	400.4	400.4	400.4	400.4
2.5°	401.7	401.7	410.6	418.2	420.8	423.9	420.8	427.7	427.1	423.9	425.2
5°	402.3	413.8	421.4	426.5	429.0	428.4	429.7	422.0	417.6	414.4	411.2
7.5°	405.5	416.3	430.3	429.0	422.0	407.4	396.0	375.6	355.9	355.3	352.1
10°	416.3	425.8	434.1	429.0	403.6	359.1	322.9	295.5	270.8	259.3	260.6
12.5°	423.9	441.7	437.9	411.9	359.1	300.6	247.2	207.2	185.0	164.0	164.0
15°	439.8	446.2	444.9	387.1	304.4	234.5	169.7	129.0	105.5	96.0	94.7
17.5°	455.1	462.1	440.5	349.6	250.4	157.6	103.0	80.1	76.9	75.6	76.3
20°	474.1	474.8	436.6	312.1	188.1	99.8	73.7	71.8	72.5	71.8	71.8
22.5°	494.5	498.9	423.3	259.3	125.2	72.5	68.6	69.3	69.3	69.3	71.2
25°	521.2	514.2	402.3	209.1	82.0	66.7	66.7	67.4	67.4	67.4	68.0
27.5°	539.0	529.4	375.6	150.6	64.2	62.9	64.2	64.2	65.5	65.5	65.5
30°	575.8	551.1	341.9	97.2	57.8	59.7	61.0	62.3	62.9	64.2	64.8
32.5°	604.4	570.1	300.0	64.8	52.8	54.0	57.2	59.7	62.3	61.7	61.7
35°	656.6	601.3	261.2	51.5	48.3	48.3	51.5	55.9	59.7	61.0	61.0
37.5°	716.3	626.7	207.2	47.0	44.5	44.5	46.4	51.5	56.6	59.1	57.8
40°	765.9	655.9	153.2	43.9	41.3	41.3	42.6	46.4	52.1	56.6	57.2
42.5°	800.8	677.5	103.6	40.7	38.8	38.1	40.0	41.9	46.4	52.8	54.0
45°	832.6	689.0	64.2	37.5	36.2	36.2	36.2	38.1	41.3	47.0	48.3
47.5°	889.2	701.7	46.4	35.0	33.1	33.7	34.3	35.0	37.5	38.8	39.4
50°	936.9	711.2	38.1	32.4	31.1	31.8	31.8	31.8	33.1	31.1	31.1
52.5°	973.1	701.7	32.4	29.9	28.6	29.2	28.6	28.6	27.3	24.8	24.8
55°	999.8	684.5	26.1	27.3	27.3	27.3	26.1	24.2	21.6	19.7	19.7
57.5°	1006.8	655.3	20.3	22.9	24.8	24.8	22.2	19.7	16.5	14.6	14.0
60°	996.0	591.7	15.3	16.5	19.1	19.7	17.8	14.6	11.4	9.5	9.5
62.5°	957.2	541.5	12.1	10.8	14.0	14.6	12.7	9.5	6.4	4.4	3.8
65°	883.5	464.0	8.9	7.6	9.5	10.2	8.3	4.4	1.9	0.6	0.0
67.5°	708.7	349.6	5.7	5.1	6.4	6.4	3.8	1.3	0.0	0.0	0.0
70°	392.2	196.4	3.8	2.5	3.2	1.9	0.6	0.0	0.0	0.0	0.0
72.5°	113.1	55.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	30.5	13.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.3	5.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)