

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: P676530

Luminaire Tested: **CCW-SA-1B-727-U-T4FT-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676530  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-727-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) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

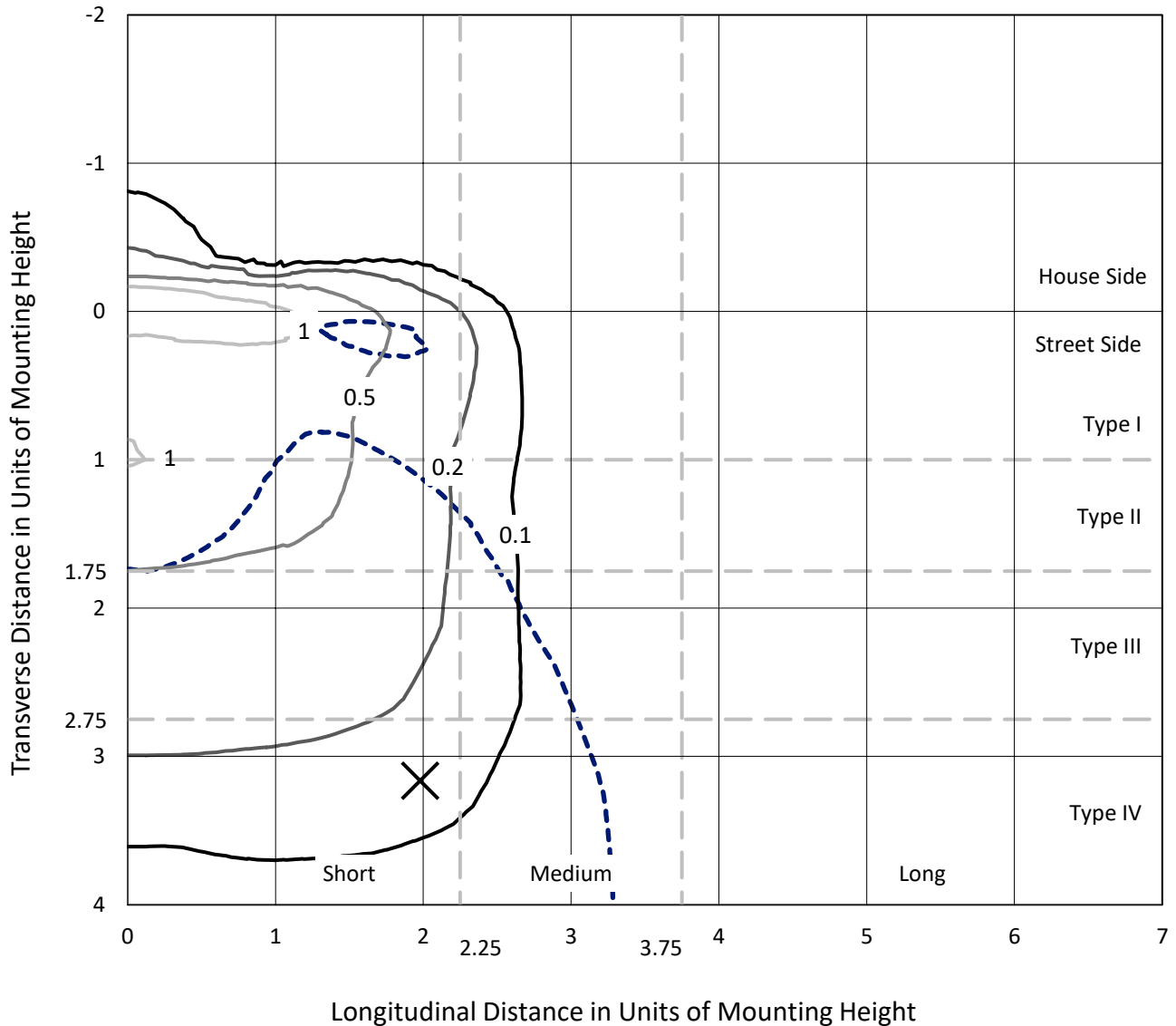
Lumens per Lamp: N/A  
Luminaire Lumens: 2073.9 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

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

REPORT NUMBER: P676530  
 CATALOG NUMBER: CCW-SA-1B-727-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

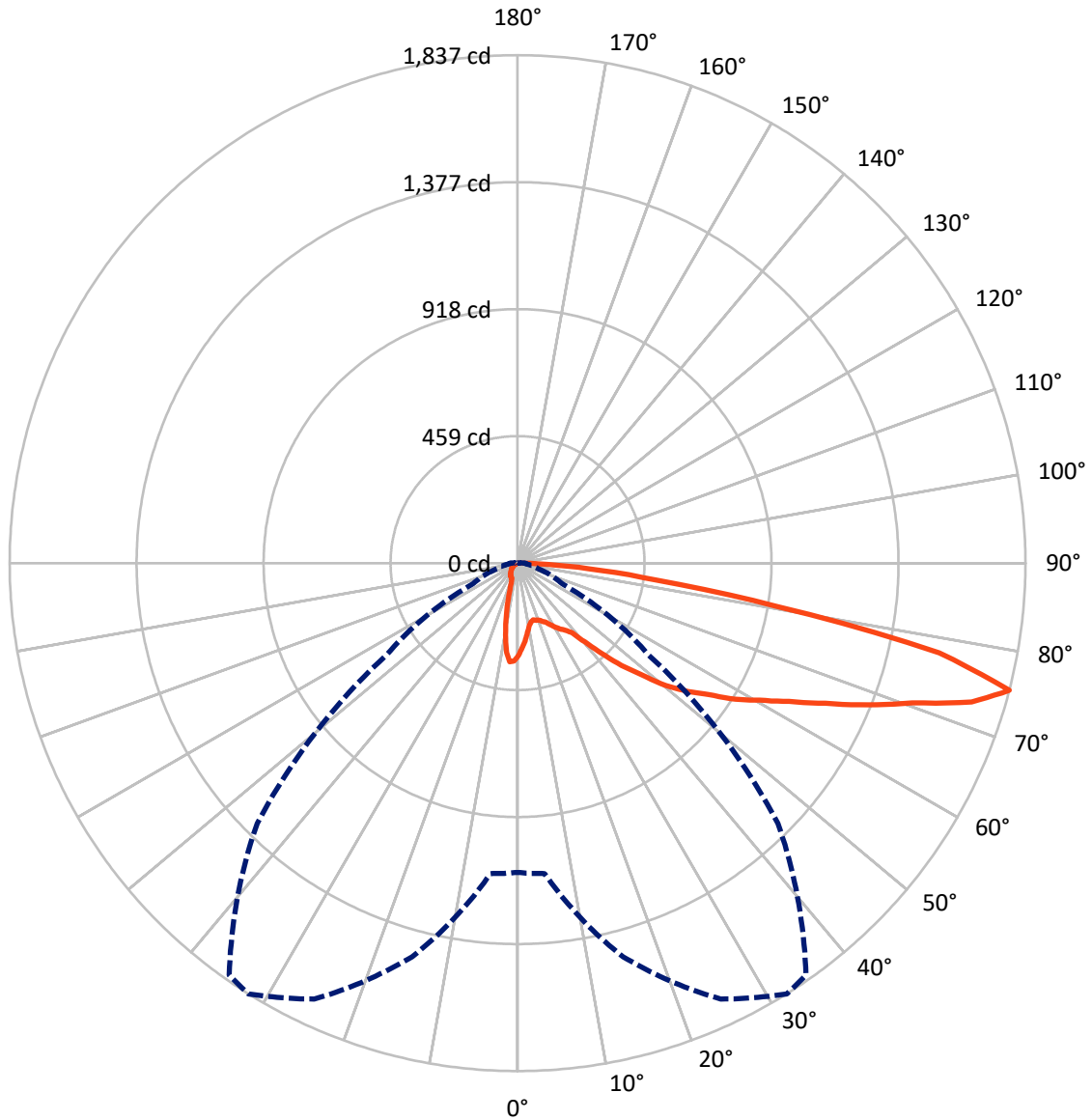
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P676530  
CATALOG NUMBER: CCW-SA-1B-727-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P676530  
 CATALOG NUMBER: CCW-SA-1B-727-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	224.0	0.0	224.0
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	1849.9	0.0	1849.9
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	2073.9	0.0	2073.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.4	1.4
10°-20°	66.8	3.2
20°-30°	100.0	4.8
30°-40°	153.6	7.4
40°-50°	268.5	12.9
50°-60°	419.7	20.2
60°-70°	542.7	26.2
70°-80°	442.0	21.3
80°-90°	51.2	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°	2073.9	100.0
0°-180°	2073.9	100.0



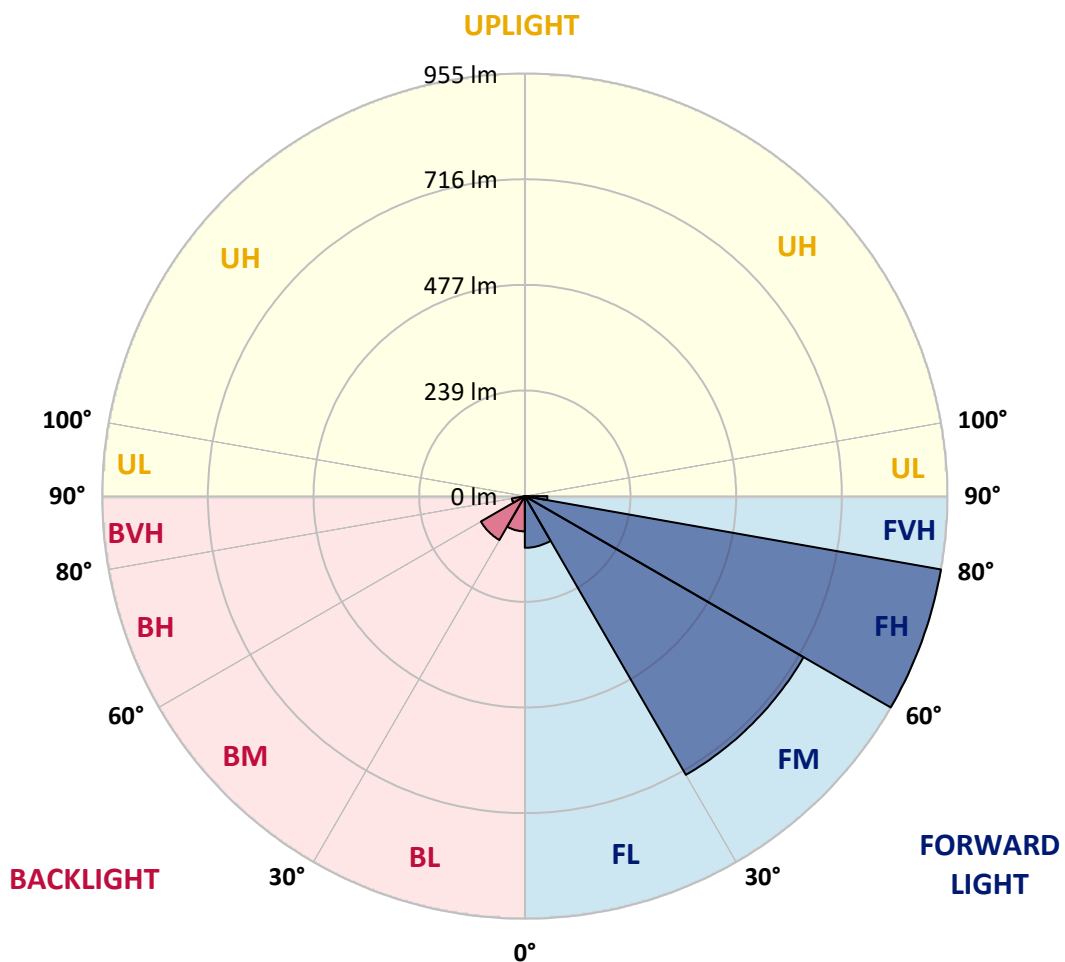
REPORT NUMBER: P676530  
 CATALOG NUMBER: CCW-SA-1B-727-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.7	5.6			
FM (30°-60°)	727.2	35.1			
FH (60°-80°)	954.8	46.0			G1/1800
FVH (80°-90°)	51.1	2.5			G1/100
BL (0°-30°)	79.6	3.8	B0/110		
BM (30°-60°)	114.6	5.5	B0/220		
BH (60°-80°)	29.8	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





REPORT NUMBER: P676530

CATALOG NUMBER: CCW-SA-1B-727-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9
2.5°	300.3	304.6	304.0	306.7	307.2	308.8	312.5	312.5	323.2	330.6	335.4
5°	273.2	270.6	271.6	274.8	282.8	282.2	291.3	296.1	308.8	319.5	330.6
7.5°	239.7	239.2	241.3	248.8	254.6	259.4	269.0	281.2	298.2	314.1	333.8
10°	218.5	217.4	221.7	223.8	230.7	233.9	248.8	267.9	288.1	311.0	333.8
12.5°	213.7	210.0	212.1	211.6	217.9	219.5	233.9	257.3	281.7	309.9	338.1
15°	216.3	213.7	211.6	211.6	213.1	214.2	229.6	250.4	278.0	311.5	347.6
17.5°	224.8	223.2	216.9	210.5	217.4	217.4	227.0	248.8	278.5	316.3	359.3
20°	234.9	233.3	222.2	214.7	219.5	224.8	234.9	252.5	280.1	320.0	377.4
22.5°	246.1	246.1	230.7	222.2	228.6	229.1	247.2	264.2	286.5	329.6	389.1
25°	259.9	258.9	244.0	234.4	236.5	242.4	258.9	276.9	298.2	342.8	410.9
27.5°	278.0	276.4	258.9	249.3	252.0	258.3	276.9	295.0	308.8	348.2	429.5
30°	292.9	291.3	276.9	262.6	268.4	274.3	296.1	312.0	322.1	358.3	450.7
32.5°	296.1	293.4	283.8	277.5	283.8	295.0	312.0	328.5	343.9	383.8	491.1
35°	332.7	323.2	298.2	288.1	297.7	301.4	329.6	358.8	373.7	404.0	536.3
37.5°	402.9	393.9	360.9	332.7	319.5	323.7	360.4	396.5	410.9	441.7	585.8
40°	489.0	474.1	439.1	401.3	374.2	368.9	392.8	446.0	459.8	489.0	650.6
42.5°	587.4	573.0	518.8	474.1	446.5	439.6	443.3	503.4	515.1	532.6	693.1
45°	658.0	650.6	589.5	549.6	527.8	520.4	511.3	566.1	581.0	586.8	754.8
47.5°	699.0	693.7	659.6	632.5	603.3	595.3	601.2	653.3	643.2	647.9	813.8
50°	753.7	739.9	693.7	702.2	696.3	694.2	704.3	727.1	712.3	698.4	878.1
52.5°	797.8	773.4	741.0	761.7	770.7	778.7	814.3	831.3	764.9	743.6	919.6
55°	825.0	801.6	810.1	829.2	838.8	875.4	917.4	904.7	799.4	779.8	974.8
57.5°	849.4	851.0	873.9	879.7	928.6	935.0	1015.8	974.3	823.9	812.7	996.6
60°	908.4	902.6	921.2	958.9	1005.7	1041.3	1118.4	1021.1	836.1	829.7	990.8
62.5°	1014.7	978.6	984.9	1032.8	1101.4	1140.2	1177.4	1042.4	832.9	832.4	973.3
65°	1149.7	1108.3	1089.1	1133.8	1222.5	1277.3	1243.8	1066.3	811.7	826.5	907.9
67.5°	1261.9	1262.4	1226.8	1251.8	1367.7	1379.3	1306.5	1061.5	776.0	780.3	748.4
70°	1391.0	1408.6	1377.2	1455.4	1513.3	1520.7	1378.3	1022.2	699.5	588.4	430.0
72.5°	1424.0	1433.0	1530.8	1651.0	1716.3	1718.5	1449.0	890.9	460.3	259.9	133.4
75°	1118.4	1126.9	1473.4	1739.2	1836.5	1817.9	1331.0	578.3	179.1	76.0	31.9
77.5°	624.0	626.7	914.8	1405.9	1557.9	1483.0	932.3	225.4	72.3	43.6	14.9
80°	170.6	200.4	339.1	693.1	951.5	933.9	443.8	73.4	46.8	34.0	6.9
82.5°	40.9	44.1	109.0	306.7	502.8	524.6	132.4	37.2	32.4	28.2	3.7
85°	14.9	16.5	33.5	149.4	258.3	237.1	39.9	18.6	23.9	21.8	1.6
87.5°	5.3	5.3	10.6	48.9	75.5	56.9	13.3	6.4	12.2	13.3	0.5
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: P676530  
 CATALOG NUMBER: CCW-SA-1B-727-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9	334.9
2.5°	335.9	335.9	343.4	349.8	351.9	354.5	351.9	357.7	357.2	354.5	355.6
5°	336.5	346.0	352.4	356.7	358.8	358.3	359.3	352.9	349.2	346.6	343.9
7.5°	339.1	348.2	359.9	358.8	352.9	340.7	331.1	314.1	297.7	297.1	294.5
10°	348.2	356.1	363.0	358.8	337.5	300.3	270.0	247.2	226.4	216.9	217.9
12.5°	354.5	369.4	366.2	344.4	300.3	251.4	206.8	173.3	154.7	137.1	137.1
15°	367.8	373.1	372.1	323.7	254.6	196.1	141.9	107.9	88.2	80.3	79.2
17.5°	380.6	386.4	368.4	292.3	209.4	131.8	86.1	67.0	64.3	63.3	63.8
20°	396.5	397.1	365.2	261.0	157.3	83.5	61.7	60.1	60.6	60.1	60.1
22.5°	413.5	417.3	354.0	216.9	104.7	60.6	57.4	57.9	57.9	57.9	59.5
25°	435.9	430.0	336.5	174.9	68.6	55.8	55.8	56.3	56.3	56.3	56.9
27.5°	450.7	442.8	314.1	126.0	53.7	52.6	53.7	53.7	54.7	54.7	54.7
30°	481.6	460.8	286.0	81.3	48.4	50.0	51.0	52.1	52.6	53.7	54.2
32.5°	505.5	476.8	250.9	54.2	44.1	45.2	47.8	50.0	52.1	51.6	51.6
35°	549.1	502.8	218.5	43.1	40.4	40.4	43.1	46.8	50.0	51.0	51.0
37.5°	599.0	524.1	173.3	39.3	37.2	37.2	38.8	43.1	47.3	49.4	48.4
40°	640.5	548.5	128.1	36.7	34.6	34.6	35.6	38.8	43.6	47.3	47.8
42.5°	669.7	566.6	86.6	34.0	32.4	31.9	33.5	35.1	38.8	44.1	45.2
45°	696.3	576.2	53.7	31.4	30.3	30.3	30.3	31.9	34.6	39.3	40.4
47.5°	743.6	586.8	38.8	29.2	27.6	28.2	28.7	29.2	31.4	32.4	33.0
50°	783.5	594.8	31.9	27.1	26.0	26.6	26.6	26.6	27.6	26.0	26.0
52.5°	813.8	586.8	27.1	25.0	23.9	24.5	23.9	23.9	22.9	20.7	20.7
55°	836.1	572.5	21.8	22.9	22.9	22.9	21.8	20.2	18.1	16.5	16.5
57.5°	842.0	548.0	17.0	19.1	20.7	20.7	18.6	16.5	13.8	12.2	11.7
60°	832.9	494.9	12.8	13.8	15.9	16.5	14.9	12.2	9.6	8.0	8.0
62.5°	800.5	452.9	10.1	9.0	11.7	12.2	10.6	8.0	5.3	3.7	3.2
65°	738.8	388.0	7.4	6.4	8.0	8.5	6.9	3.7	1.6	0.5	0.0
67.5°	592.7	292.3	4.8	4.3	5.3	5.3	3.2	1.1	0.0	0.0	0.0
70°	328.0	164.2	3.2	2.1	2.7	1.6	0.5	0.0	0.0	0.0	0.0
72.5°	94.6	46.8	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	25.5	11.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	11.2	4.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	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)