

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: P676398

Luminaire Tested: **CCW-SA-1C-730-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676398  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-730-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
T3 distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

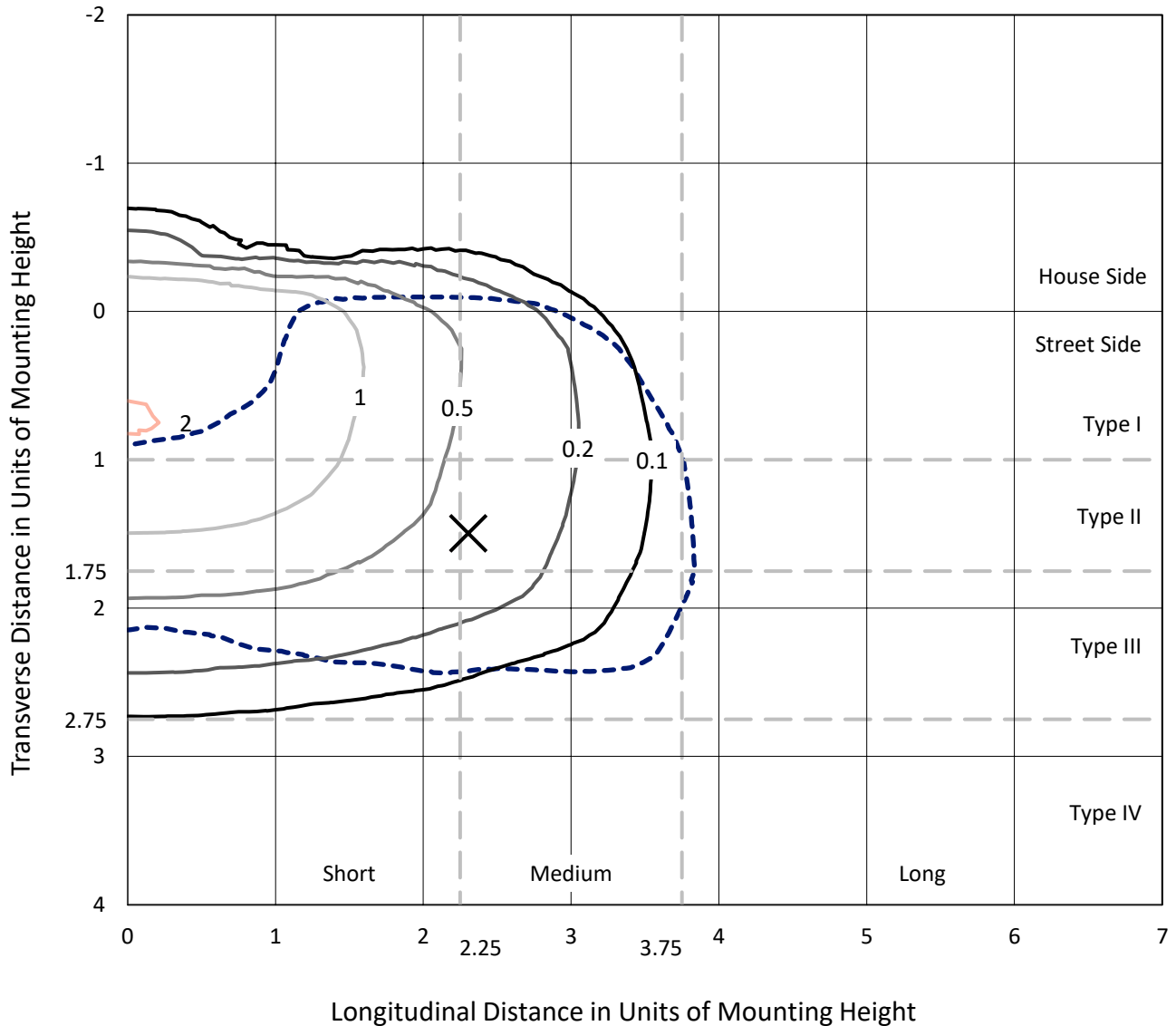
Lumens per Lamp: N/A  
Luminaire Lumens: 2966 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

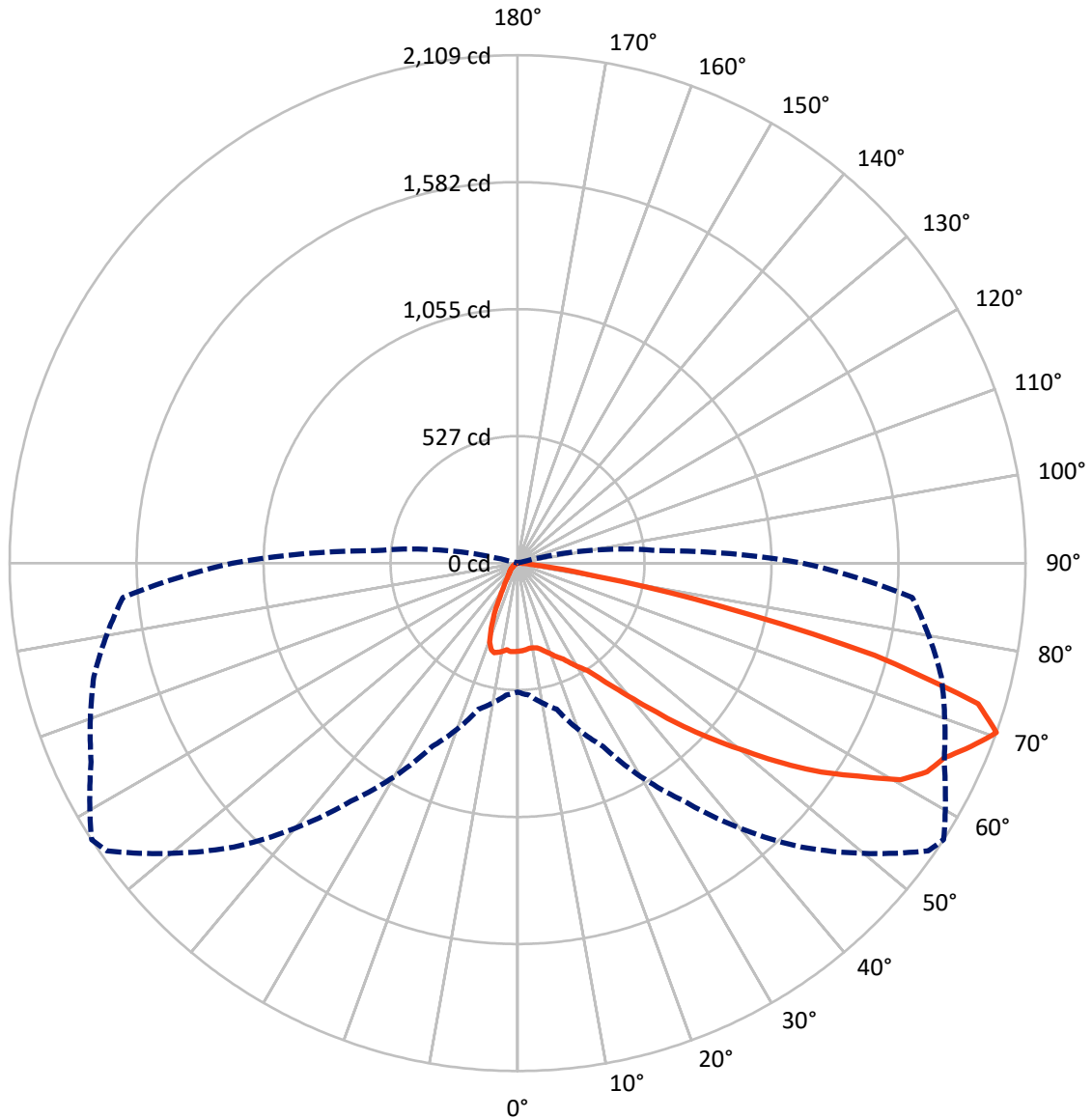
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	349.6	0.0	349.6
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	2616.4	0.0	2616.4
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	2966.0	0.0	2966.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.2	1.2
10°-20°	95.6	3.2
20°-30°	161.1	5.4
30°-40°	275.6	9.3
40°-50°	462.8	15.6
50°-60°	710.5	24.0
60°-70°	820.3	27.7
70°-80°	387.5	13.1
80°-90°	18.4	0.6
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°	2966.0	100.0
0°-180°	2966.0	100.0

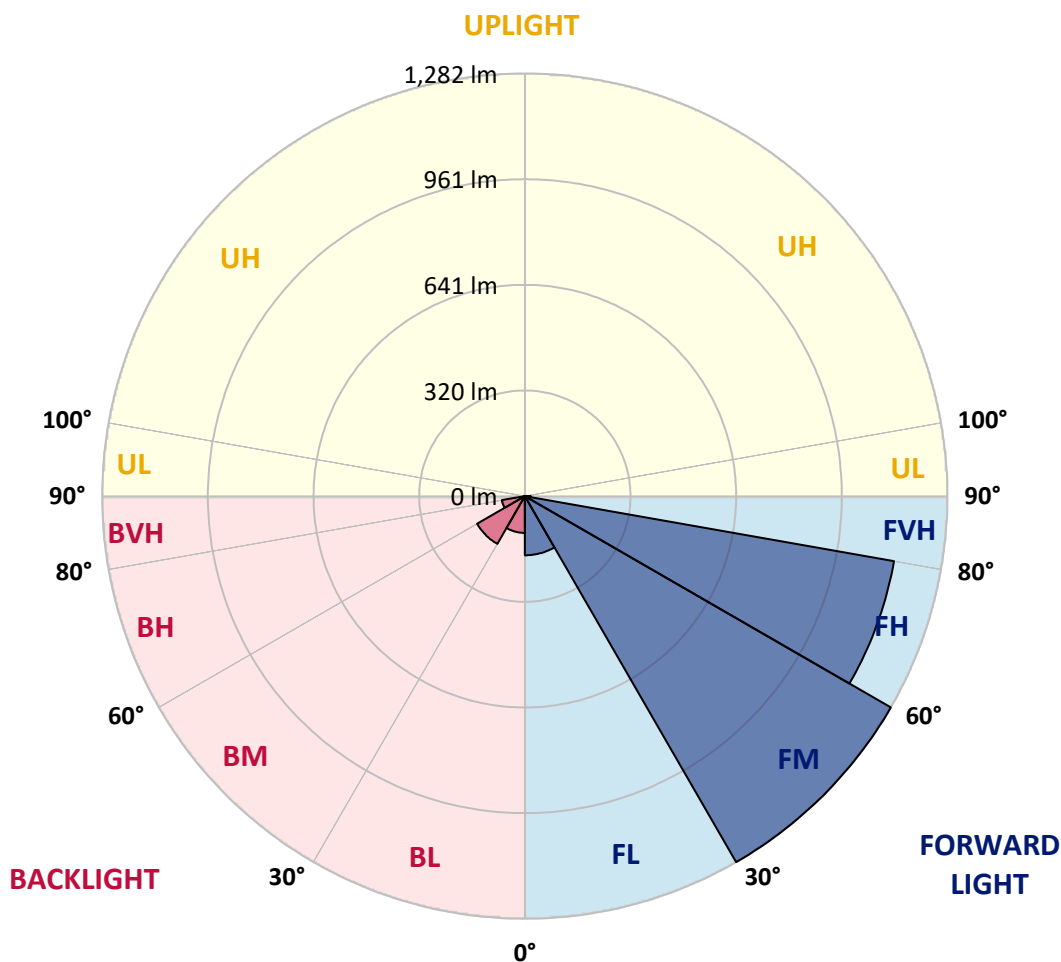


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.4	6.0			
FM (30°-60°)	1281.8	43.2			
FH (60°-80°)	1137.0	38.3			G1/1800
FVH (80°-90°)	18.0	0.6			G1/100
BL (0°-30°)	111.5	3.8	B1/500		
BM (30°-60°)	167.1	5.6	B0/220		
BH (60°-80°)	70.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
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°	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0
2.5°	360.7	358.4	360.7	363.7	360.7	362.9	362.2	364.4	361.4	361.4	363.7
5°	337.2	341.0	342.5	346.3	350.1	356.9	361.4	361.4	366.0	368.2	371.3
7.5°	328.8	322.8	328.8	331.9	335.7	347.0	353.8	356.9	362.9	371.3	375.8
10°	316.7	321.3	321.3	331.1	336.4	343.2	355.4	357.6	371.3	379.6	384.1
12.5°	316.0	316.0	319.7	326.6	337.2	350.1	365.2	360.7	375.1	390.2	397.8
15°	318.2	323.5	323.5	332.6	341.0	359.1	372.0	372.8	393.2	408.4	415.2
17.5°	328.1	325.8	328.8	334.1	347.0	364.4	385.7	387.9	411.4	431.9	441.7
20°	348.5	352.3	347.8	344.7	350.1	372.8	400.1	404.6	431.1	450.8	460.7
22.5°	425.1	422.0	403.8	382.6	373.5	384.1	413.7	424.3	455.4	478.9	487.2
25°	511.4	506.1	484.9	453.1	411.4	406.9	441.0	441.0	485.7	511.4	509.2
27.5°	593.3	591.8	566.8	533.4	474.3	441.7	462.9	471.3	519.8	541.0	531.1
30°	676.6	678.1	655.4	615.2	553.1	497.8	494.0	500.8	545.5	578.9	558.4
32.5°	773.6	760.0	744.0	688.7	631.9	569.8	534.2	531.1	574.3	604.6	577.4
35°	860.0	851.6	834.2	784.2	719.0	644.8	594.8	587.2	610.7	650.9	621.3
37.5°	935.7	927.4	904.7	871.3	820.6	738.0	667.5	656.2	666.0	708.4	672.8
40°	1000.9	1003.2	997.1	964.5	917.6	842.5	761.5	743.3	735.0	772.8	732.7
42.5°	1047.9	1069.9	1071.4	1031.2	993.3	952.4	861.5	847.1	827.4	859.2	831.2
45°	1146.4	1134.3	1141.8	1127.4	1085.8	1079.7	976.7	968.3	941.0	951.7	922.1
47.5°	1223.7	1221.4	1235.8	1212.3	1200.9	1201.7	1107.7	1093.3	1054.7	1074.4	1041.1
50°	1268.4	1256.2	1308.5	1326.7	1324.4	1333.5	1240.3	1228.2	1191.1	1219.9	1148.7
52.5°	1279.0	1300.9	1350.2	1416.1	1444.2	1463.1	1385.1	1380.5	1340.3	1358.5	1260.0
55°	1305.5	1326.7	1355.5	1463.9	1567.7	1572.2	1527.5	1532.0	1496.4	1491.9	1366.1
57.5°	1304.7	1300.2	1379.7	1505.5	1649.5	1714.6	1690.4	1668.4	1629.8	1585.1	1434.3
60°	1257.0	1254.7	1337.3	1510.8	1694.2	1843.5	1853.3	1827.5	1730.6	1664.6	1514.6
62.5°	1162.3	1171.4	1254.7	1465.4	1736.6	1889.7	1926.0	1908.6	1788.1	1717.7	1609.3
65°	1053.9	1035.0	1132.0	1351.7	1641.2	1876.0	1954.8	1948.8	1856.3	1775.3	1696.5
67.5°	845.6	853.9	928.2	1163.1	1478.2	1826.0	2022.3	2031.4	1910.9	1826.0	1723.0
70°	535.7	550.8	628.1	840.3	1207.0	1668.4	2082.9	2109.4	1954.1	1821.5	1645.7
72.5°	156.1	162.1	267.5	419.0	769.1	1338.1	1985.9	1999.5	1870.0	1653.3	1272.9
75°	51.5	54.6	78.8	136.4	301.6	691.8	1466.9	1531.3	1488.1	1198.7	728.1
77.5°	34.1	35.6	43.2	65.2	114.4	216.7	786.5	855.4	838.8	561.4	234.9
80°	25.0	25.8	31.8	43.9	69.7	78.0	290.2	335.7	324.3	128.8	47.0
82.5°	15.9	15.9	23.5	31.1	43.9	38.6	84.1	93.2	90.9	49.2	18.2
85°	10.6	11.4	17.4	24.2	24.2	18.2	24.2	28.0	30.3	26.5	8.3
87.5°	3.0	3.8	9.8	16.7	9.8	9.1	8.3	9.1	10.6	14.4	4.5
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°	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0	366.0
2.5°	366.0	369.0	368.2	369.8	367.5	365.2	367.5	367.5	367.5	365.2	363.7
5°	369.0	367.5	369.0	366.0	369.0	366.0	364.4	359.9	359.1	359.1	362.2
7.5°	373.5	375.1	368.2	368.2	361.4	362.9	359.1	359.9	358.4	356.1	354.6
10°	380.4	386.4	379.6	377.3	369.8	363.7	354.6	350.1	350.1	347.0	350.1
12.5°	399.3	397.0	393.2	385.7	376.6	364.4	342.5	320.5	302.3	288.7	295.5
15°	414.5	413.7	408.4	394.0	381.9	344.7	289.4	232.6	202.3	188.7	186.4
17.5°	437.9	435.7	426.6	407.6	367.5	285.6	198.5	150.8	121.2	114.4	112.1
20°	459.9	459.2	439.5	415.2	331.1	208.4	129.6	99.3	90.9	91.7	90.2
22.5°	483.4	479.6	456.1	406.1	263.7	138.7	92.4	88.6	85.6	84.9	86.4
25°	509.9	496.3	472.8	385.7	194.0	95.5	87.1	84.1	81.1	80.3	80.3
27.5°	520.5	511.4	480.4	336.4	122.7	83.3	81.8	78.0	74.3	72.0	71.2
30°	544.8	529.6	488.0	264.4	87.1	76.5	74.3	69.7	64.4	60.6	60.6
32.5°	569.0	550.8	488.7	184.9	72.7	68.9	65.2	59.1	52.3	48.5	49.2
35°	599.3	574.3	480.4	119.7	65.2	60.6	53.0	46.2	40.2	37.1	37.1
37.5°	650.9	627.4	446.3	78.8	59.1	51.5	43.9	36.4	31.1	28.8	28.8
40°	716.0	685.7	399.3	62.1	52.3	43.9	34.9	28.0	25.0	22.7	22.7
42.5°	794.1	756.2	329.6	55.3	46.2	36.4	27.3	22.0	18.9	18.9	18.2
45°	872.1	810.0	258.4	50.8	40.9	30.3	21.2	17.4	15.9	15.2	15.2
47.5°	983.5	875.1	184.9	46.2	35.6	23.5	17.4	14.4	12.9	12.1	12.9
50°	1090.3	936.5	131.1	41.7	29.5	18.9	14.4	12.9	11.4	10.6	10.6
52.5°	1184.3	978.9	91.7	36.4	25.0	15.9	12.9	11.4	10.6	9.8	9.8
55°	1235.8	964.5	62.9	31.1	20.5	13.6	11.4	9.8	9.1	8.3	8.3
57.5°	1288.8	924.4	47.7	25.8	16.7	12.9	10.6	9.1	8.3	7.6	7.6
60°	1333.5	894.8	37.1	20.5	13.6	10.6	9.1	7.6	6.8	6.1	5.3
62.5°	1335.8	835.7	27.3	15.2	10.6	9.1	7.6	6.1	3.8	3.0	2.3
65°	1344.9	773.6	19.7	11.4	7.6	6.8	5.3	3.0	1.5	0.0	0.0
67.5°	1313.1	700.1	15.9	8.3	5.3	3.8	2.3	0.8	0.0	0.0	0.0
70°	1183.5	591.0	12.1	6.1	3.8	2.3	0.8	0.0	0.0	0.0	0.0
72.5°	847.1	384.1	8.3	4.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0
75°	451.6	163.7	6.1	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	141.7	41.7	3.8	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	31.1	11.4	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.6	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.8	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.8	0.8	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)