

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: P676420

Luminaire Tested: **CCW-SA-1C-740-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676420
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-740-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) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

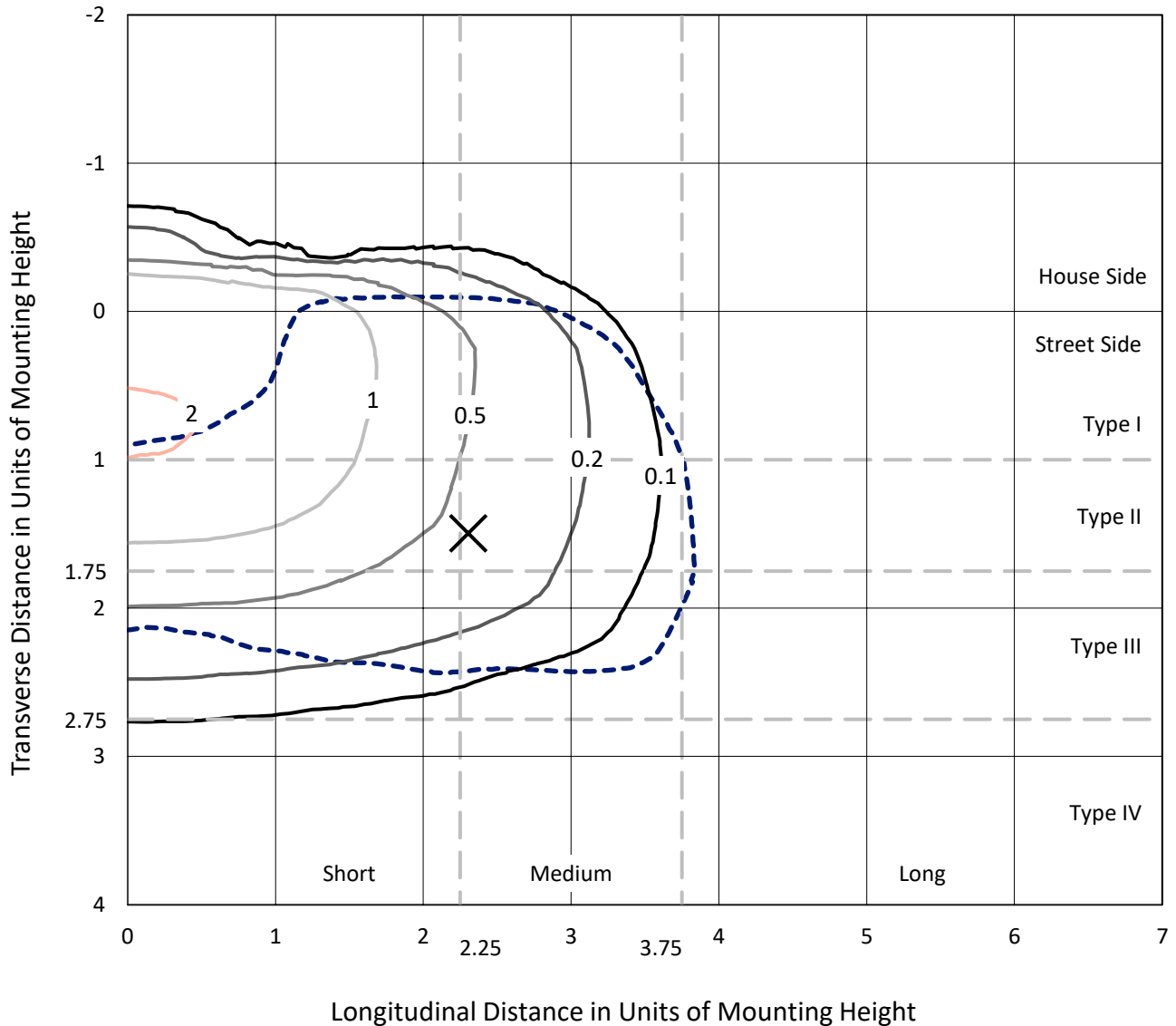
Lumens per Lamp: N/A
Luminaire Lumens: 3257.2 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

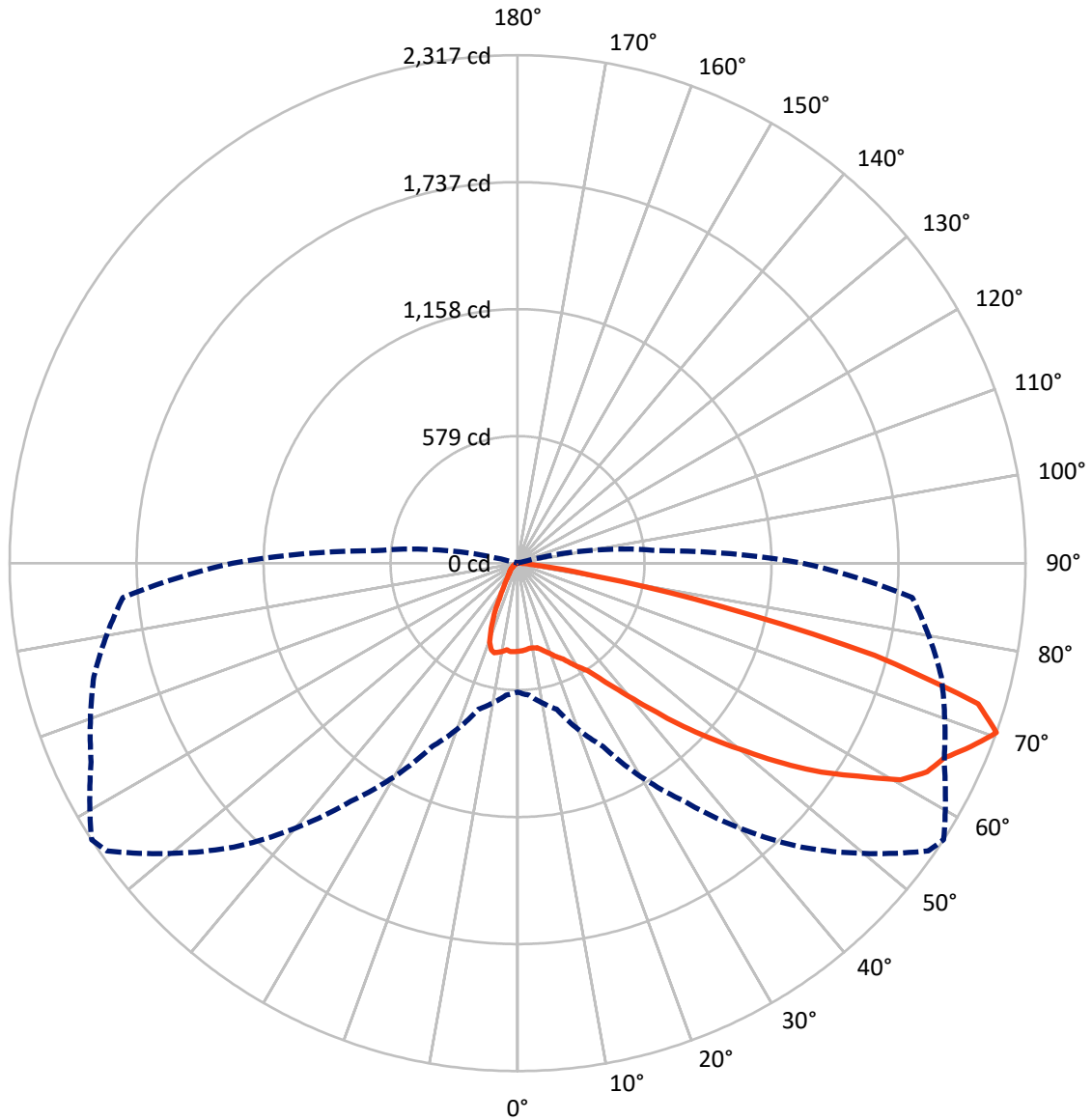
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 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
House Side	Lumens	383.9	0.0	383.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2873.2	0.0	2873.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	3257.2	0.0	3257.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	1.2
10°-20°	105.0	3.2
20°-30°	176.9	5.4
30°-40°	302.7	9.3
40°-50°	508.3	15.6
50°-60°	780.2	24.0
60°-70°	900.8	27.7
70°-80°	425.5	13.1
80°-90°	20.2	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°	3257.2	100.0
0°-180°	3257.2	100.0

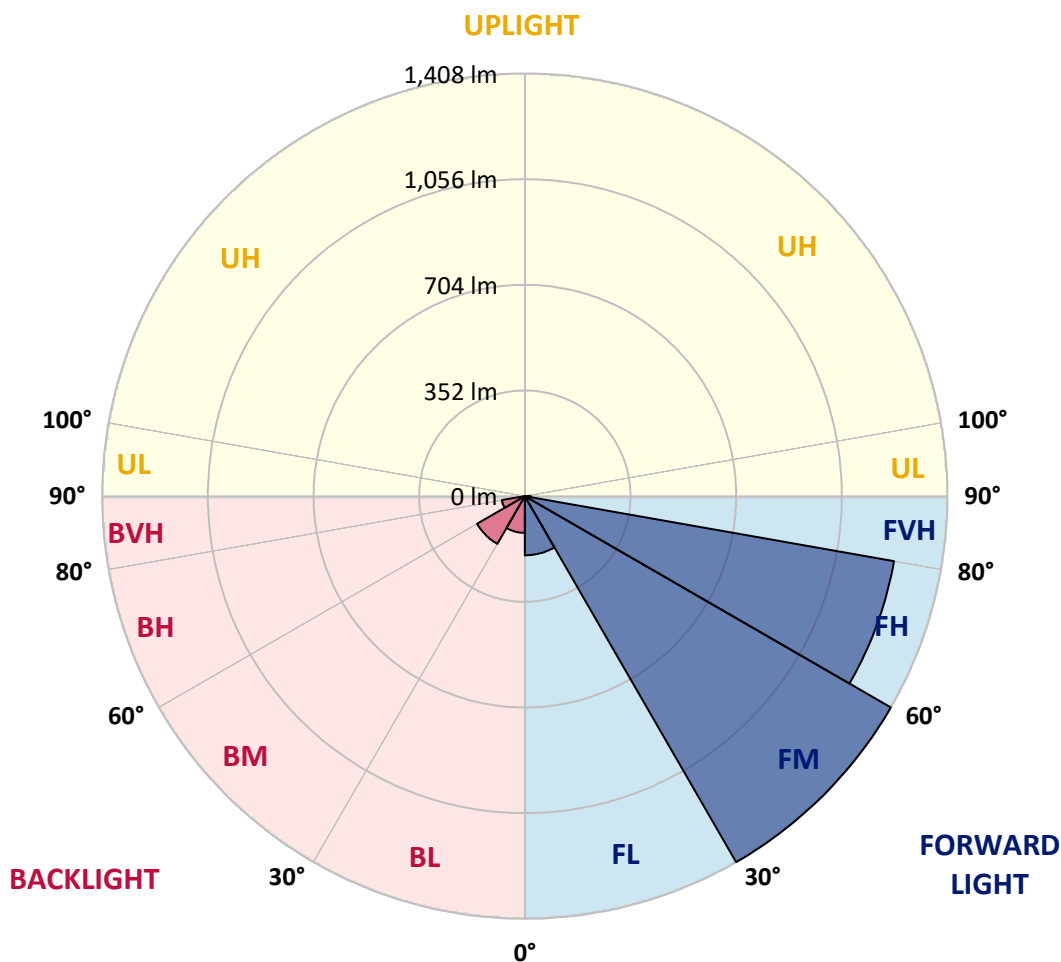


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.1	6.0			
FM (30°-60°)	1407.7	43.2			
FH (60°-80°)	1248.7	38.3			G1/1800
FVH (80°-90°)	19.8	0.6			G1/100
BL (0°-30°)	122.4	3.8	B1/500		
BM (30°-60°)	183.5	5.6	B0/220		
BH (60°-80°)	77.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9
2.5°	396.1	393.6	396.1	399.4	396.1	398.6	397.7	400.2	396.9	396.9	399.4
5°	370.3	374.4	376.1	380.3	384.4	391.9	396.9	396.9	401.9	404.4	407.7
7.5°	361.1	354.5	361.1	364.4	368.6	381.1	388.6	391.9	398.6	407.7	412.7
10°	347.8	352.8	352.8	363.6	369.4	376.9	390.2	392.7	407.7	416.9	421.9
12.5°	347.0	347.0	351.1	358.6	370.3	384.4	401.1	396.1	411.9	428.5	436.8
15°	349.5	355.3	355.3	365.3	374.4	394.4	408.5	409.4	431.8	448.5	456.0
17.5°	360.3	357.8	361.1	366.9	381.1	400.2	423.5	426.0	451.8	474.3	485.1
20°	382.8	386.9	381.9	378.6	384.4	409.4	439.3	444.3	473.5	495.1	505.9
22.5°	466.8	463.5	443.5	420.2	410.2	421.9	454.3	466.0	500.1	525.9	535.0
25°	561.7	555.8	532.5	497.6	451.8	446.8	484.3	484.3	533.4	561.7	559.2
27.5°	651.5	649.9	622.4	585.8	520.9	485.1	508.4	517.6	570.8	594.1	583.3
30°	743.0	744.7	719.7	675.6	607.4	546.7	542.5	550.0	599.1	635.7	613.2
32.5°	849.5	834.6	817.1	756.4	694.0	625.7	586.6	583.3	630.7	664.0	634.0
35°	944.4	935.3	916.1	861.2	789.6	708.1	653.2	644.9	670.7	714.8	682.3
37.5°	1027.6	1018.5	993.5	956.9	901.1	810.4	733.1	720.6	731.4	778.0	738.9
40°	1099.2	1101.7	1095.0	1059.2	1007.6	925.3	836.2	816.3	807.1	848.7	804.6
42.5°	1150.8	1174.9	1176.6	1132.5	1090.9	1045.9	946.1	930.3	908.6	943.6	912.8
45°	1258.9	1245.6	1253.9	1238.1	1192.4	1185.7	1072.5	1063.4	1033.4	1045.1	1012.6
47.5°	1343.8	1341.3	1357.1	1331.3	1318.8	1319.7	1216.5	1200.7	1158.2	1179.9	1143.3
50°	1392.9	1379.6	1437.0	1457.0	1454.5	1464.5	1362.1	1348.8	1308.0	1339.6	1261.4
52.5°	1404.5	1428.7	1482.8	1555.1	1585.9	1606.7	1521.0	1516.0	1471.9	1491.9	1383.7
55°	1433.7	1457.0	1488.6	1607.6	1721.6	1726.6	1677.5	1682.5	1643.3	1638.4	1500.2
57.5°	1432.8	1427.8	1515.2	1653.3	1811.4	1883.0	1856.4	1832.2	1789.8	1740.7	1575.1
60°	1380.4	1377.9	1468.6	1659.2	1860.5	2024.4	2035.3	2007.0	1900.5	1828.1	1663.3
62.5°	1276.4	1286.4	1377.9	1609.2	1907.1	2075.2	2115.1	2096.0	1963.7	1886.3	1767.3
65°	1157.4	1136.6	1243.1	1484.4	1802.3	2060.2	2146.8	2140.1	2038.6	1949.6	1863.0
67.5°	928.6	937.7	1019.3	1277.2	1623.4	2005.3	2220.8	2230.8	2098.5	2005.3	1892.1
70°	588.3	604.9	689.8	922.8	1325.5	1832.2	2287.4	2316.5	2145.9	2000.3	1807.3
72.5°	171.4	178.1	293.7	460.1	844.6	1469.4	2180.9	2195.8	2053.6	1815.6	1397.9
75°	56.6	59.9	86.5	149.8	331.2	759.7	1610.9	1681.6	1634.2	1316.3	799.6
77.5°	37.4	39.1	47.4	71.6	125.6	238.0	863.7	939.4	921.1	616.6	257.9
80°	27.5	28.3	34.9	48.3	76.6	85.7	318.7	368.6	356.1	141.5	51.6
82.5°	17.5	17.5	25.8	34.1	48.3	42.4	92.4	102.3	99.8	54.1	20.0
85°	11.6	12.5	19.1	26.6	26.6	20.0	26.6	30.8	33.3	29.1	9.2
87.5°	3.3	4.2	10.8	18.3	10.8	10.0	9.2	10.0	11.6	15.8	5.0
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°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9
2.5°	401.9	405.2	404.4	406.1	403.6	401.1	403.6	403.6	403.6	401.1	399.4
5°	405.2	403.6	405.2	401.9	405.2	401.9	400.2	395.2	394.4	394.4	397.7
7.5°	410.2	411.9	404.4	404.4	396.9	398.6	394.4	395.2	393.6	391.1	389.4
10°	417.7	424.4	416.9	414.4	406.1	399.4	389.4	384.4	384.4	381.1	384.4
12.5°	438.5	436.0	431.8	423.5	413.5	400.2	376.1	352.0	332.0	317.0	324.5
15°	455.1	454.3	448.5	432.7	419.4	378.6	317.9	255.4	222.2	207.2	204.7
17.5°	480.9	478.4	468.5	447.7	403.6	313.7	218.0	165.6	133.1	125.6	123.1
20°	505.1	504.2	482.6	456.0	363.6	228.8	142.3	109.0	99.8	100.7	99.0
22.5°	530.9	526.7	500.9	446.0	289.6	152.3	101.5	97.4	94.0	93.2	94.9
25°	560.0	545.0	519.2	423.5	213.0	104.8	95.7	92.4	89.0	88.2	88.2
27.5°	571.6	561.7	527.5	369.4	134.8	91.5	89.9	85.7	81.5	79.0	78.2
30°	598.3	581.6	535.9	290.4	95.7	84.0	81.5	76.6	70.7	66.6	66.6
32.5°	624.9	604.9	536.7	203.0	79.9	75.7	71.6	64.9	57.4	53.3	54.1
35°	658.2	630.7	527.5	131.5	71.6	66.6	58.2	50.8	44.1	40.8	40.8
37.5°	714.8	689.0	490.1	86.5	64.9	56.6	48.3	39.9	34.1	31.6	31.6
40°	786.3	753.0	438.5	68.2	57.4	48.3	38.3	30.8	27.5	25.0	25.0
42.5°	872.0	830.4	362.0	60.7	50.8	39.9	30.0	24.1	20.8	20.8	20.0
45°	957.7	889.5	283.7	55.7	44.9	33.3	23.3	19.1	17.5	16.6	16.6
47.5°	1080.0	961.0	203.0	50.8	39.1	25.8	19.1	15.8	14.1	13.3	14.1
50°	1197.4	1028.4	143.9	45.8	32.5	20.8	15.8	14.1	12.5	11.6	11.6
52.5°	1300.5	1075.0	100.7	39.9	27.5	17.5	14.1	12.5	11.6	10.8	10.8
55°	1357.1	1059.2	69.1	34.1	22.5	15.0	12.5	10.8	10.0	9.2	9.2
57.5°	1415.4	1015.1	52.4	28.3	18.3	14.1	11.6	10.0	9.2	8.3	8.3
60°	1464.5	982.7	40.8	22.5	15.0	11.6	10.0	8.3	7.5	6.7	5.8
62.5°	1466.9	917.8	30.0	16.6	11.6	10.0	8.3	6.7	4.2	3.3	2.5
65°	1476.9	849.5	21.6	12.5	8.3	7.5	5.8	3.3	1.7	0.0	0.0
67.5°	1442.0	768.8	17.5	9.2	5.8	4.2	2.5	0.8	0.0	0.0	0.0
70°	1299.7	649.0	13.3	6.7	4.2	2.5	0.8	0.0	0.0	0.0	0.0
72.5°	930.3	421.9	9.2	5.0	1.7	0.8	0.0	0.0	0.0	0.0	0.0
75°	495.9	179.7	6.7	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	155.6	45.8	4.2	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.1	12.5	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.6	5.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.2	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	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)