

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: P676763

Luminaire Tested: **CCW-SA-1C-835-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676763
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-835-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

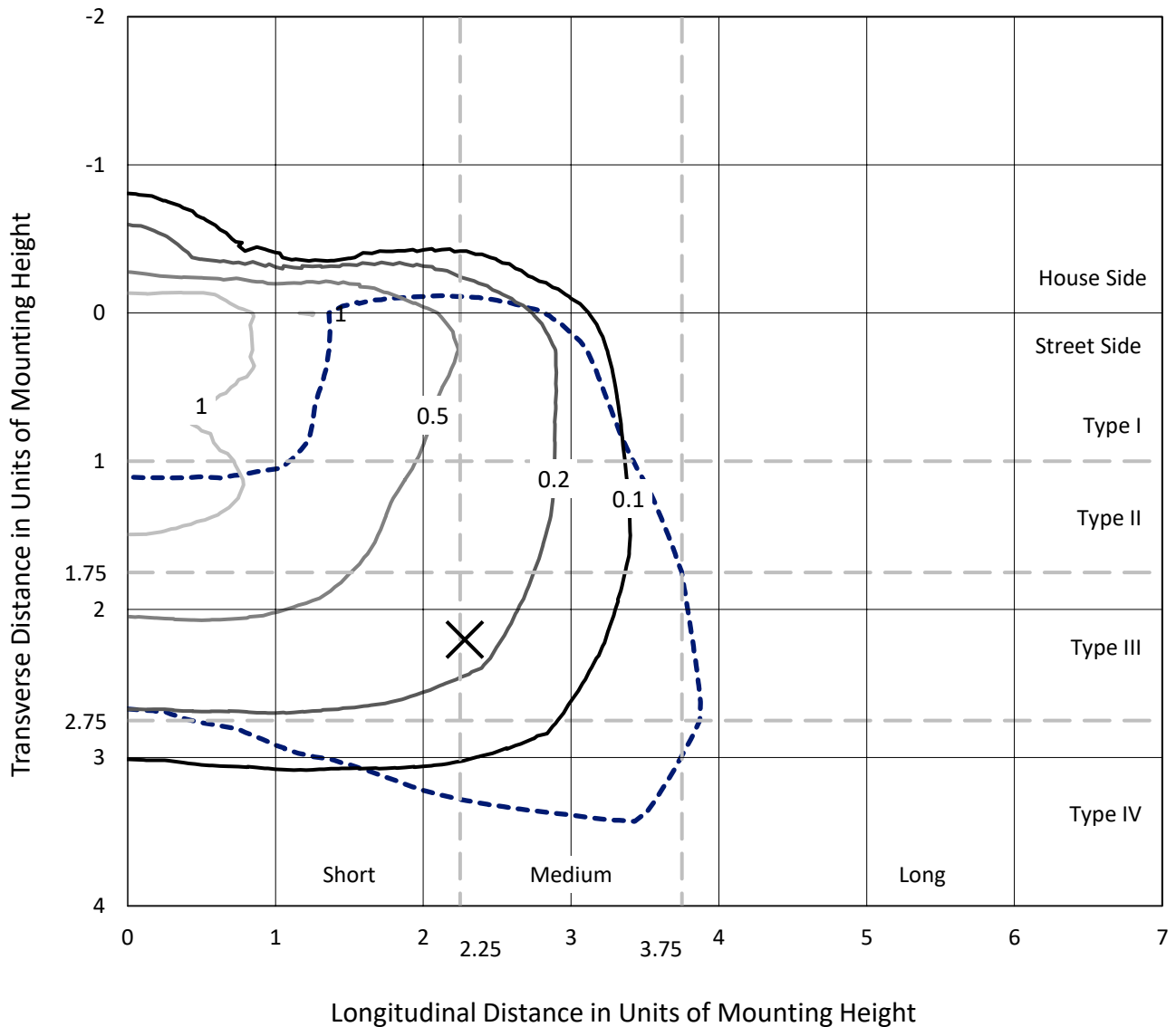
Lumens per Lamp: N/A
Luminaire Lumens: 2687.9 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
Input Voltage (V): 120
Input Current (A_{in}): 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

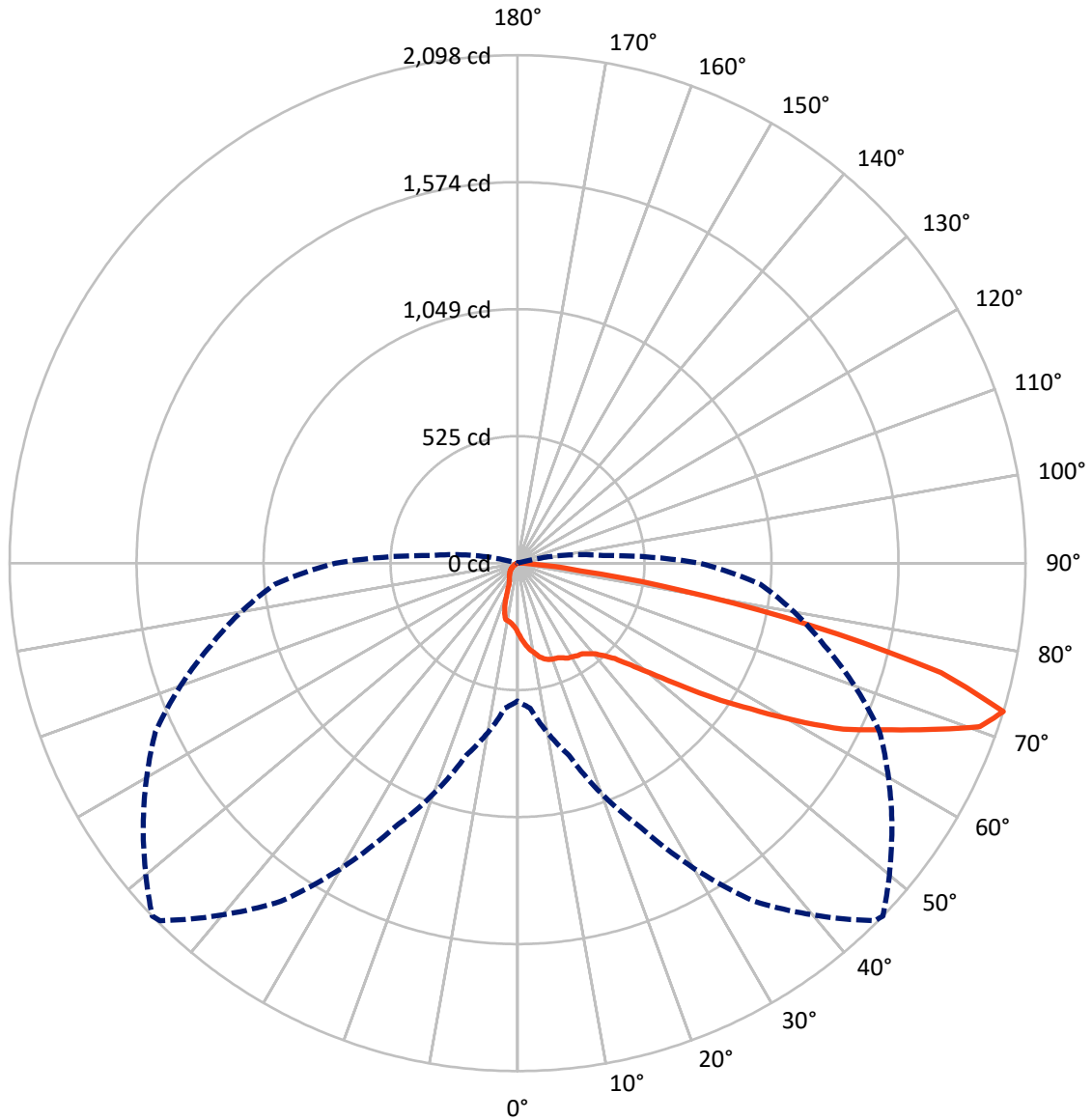
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.4	0.0	289.4
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2398.5	0.0	2398.5
	% Fixture	89.2	0.0	89.2
Total	Lumens	2687.9	0.0	2687.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	1.1
10°-20°	86.8	3.2
20°-30°	135.9	5.1
30°-40°	190.3	7.1
40°-50°	313.8	11.7
50°-60°	564.1	21.0
60°-70°	817.6	30.4
70°-80°	510.2	19.0
80°-90°	40.4	1.5
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°	2687.9	100.0
0°-180°	2687.9	100.0

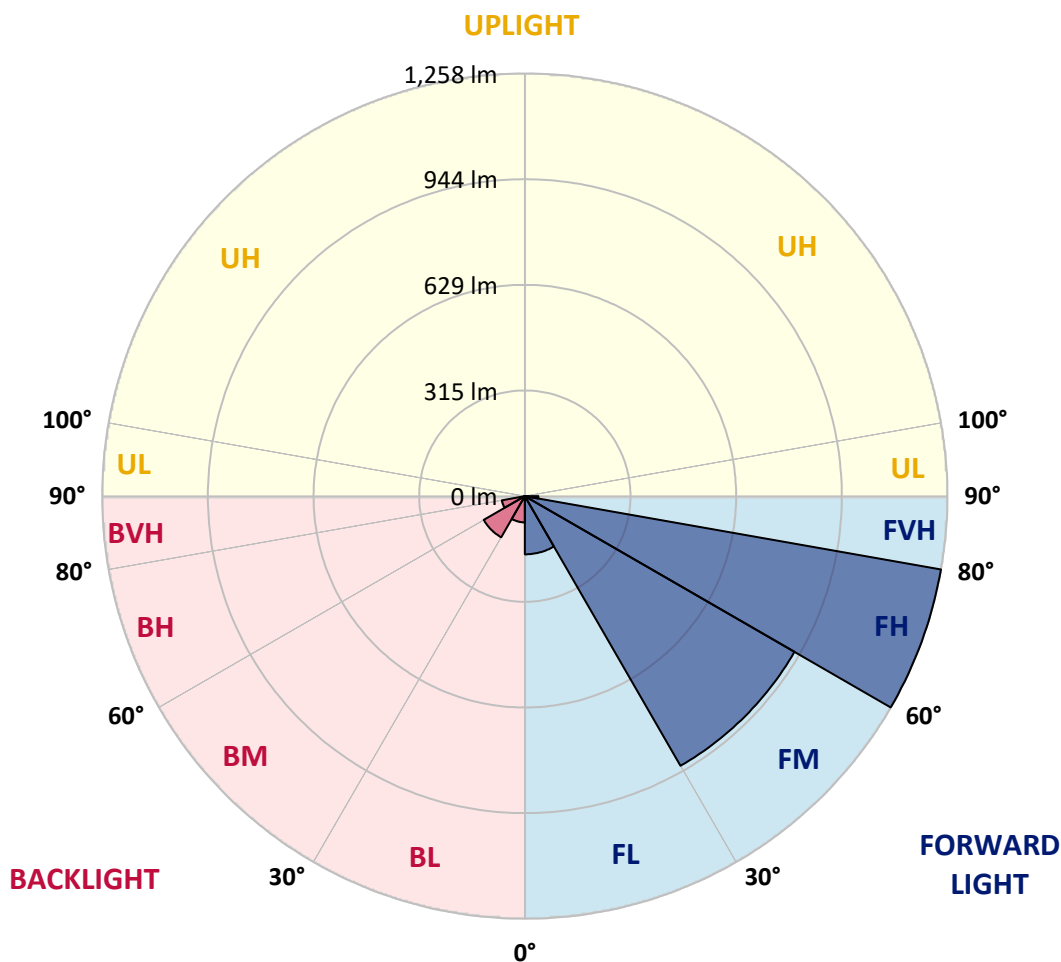


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.2	6.4			
FM (30°-60°)	926.8	34.5			
FH (60°-80°)	1258.2	46.8			G1/1800
FVH (80°-90°)	40.2	1.5			G1/100
BL (0°-30°)	78.2	2.9	B0/110		
BM (30°-60°)	141.4	5.3	B0/220		
BH (60°-80°)	69.6	2.6	B0/110		G0/110
BVH (80°-90°)	0.2	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3
2.5°	321.6	320.2	322.2	321.6	313.3	314.7	314.0	308.5	298.9	293.4	290.0
5°	358.6	362.0	359.3	353.1	348.3	338.7	337.3	328.4	313.3	303.7	293.4
7.5°	397.0	397.0	391.5	381.9	371.6	361.3	359.9	344.9	331.8	315.4	301.0
10°	425.8	422.3	418.2	407.9	396.3	382.6	375.7	364.7	350.3	330.5	312.0
12.5°	451.1	445.6	438.8	423.7	410.0	394.9	396.3	378.5	368.9	351.0	323.6
15°	465.5	460.7	454.6	440.8	419.6	412.7	410.0	399.0	381.9	364.1	338.0
17.5°	469.0	465.5	457.3	439.5	427.8	419.6	418.9	405.9	398.3	383.3	354.5
20°	462.1	455.9	449.8	438.1	427.1	424.4	422.3	422.3	412.7	392.9	364.7
22.5°	450.4	443.6	440.2	433.3	424.4	423.7	425.1	423.7	416.2	403.1	375.7
25°	441.5	438.1	432.6	430.6	425.1	435.4	433.3	431.2	429.2	414.1	392.9
27.5°	444.3	443.6	439.5	431.2	427.1	438.1	444.3	445.0	444.3	429.2	408.6
30°	445.6	442.2	438.1	436.0	437.4	448.4	448.4	463.5	457.3	442.2	424.4
32.5°	461.4	459.4	445.6	440.8	441.5	454.6	455.2	470.3	468.3	458.0	438.1
35°	495.0	481.3	461.4	447.7	447.7	464.8	459.4	481.3	486.8	470.3	447.7
37.5°	545.1	534.8	499.1	468.3	456.6	469.0	474.4	486.8	503.2	488.8	466.9
40°	644.5	642.4	591.7	525.2	479.2	490.2	492.3	511.5	522.4	502.6	496.4
42.5°	789.8	779.5	732.2	627.3	520.4	515.6	523.1	535.5	561.5	545.1	530.0
45°	931.7	926.9	879.6	762.4	595.1	566.3	562.2	584.1	622.5	604.7	593.1
47.5°	1034.6	1025.0	998.2	899.5	704.8	626.0	628.7	650.6	699.3	685.6	689.0
50°	1113.4	1108.6	1080.5	1026.4	843.3	719.9	714.4	736.3	802.2	811.1	820.7
52.5°	1199.8	1208.7	1171.0	1125.1	1007.2	846.0	833.7	841.2	926.3	946.8	973.6
55°	1282.8	1297.2	1259.5	1253.3	1178.6	985.9	983.8	966.0	1075.7	1078.5	1092.9
57.5°	1336.9	1332.1	1329.4	1363.0	1350.0	1146.3	1136.1	1118.2	1217.6	1199.8	1243.0
60°	1341.0	1354.8	1400.7	1483.7	1507.0	1334.9	1319.8	1271.1	1340.4	1297.9	1380.1
62.5°	1371.9	1382.9	1467.9	1582.4	1612.6	1500.8	1511.1	1387.7	1445.3	1411.7	1532.3
65°	1293.7	1328.0	1498.7	1659.2	1751.0	1668.8	1658.5	1537.8	1552.9	1521.4	1682.5
67.5°	1223.1	1236.2	1414.4	1682.5	1860.7	1837.4	1833.3	1670.8	1664.0	1605.7	1725.0
70°	994.1	1009.9	1186.1	1563.2	1897.8	2034.2	2024.6	1857.3	1739.4	1559.8	1507.0
72.5°	569.7	601.3	822.0	1203.9	1705.1	2089.0	2098.0	1887.5	1650.3	1311.6	1006.5
75°	186.5	195.4	341.4	682.2	1275.2	1822.3	1806.6	1622.1	1331.5	865.9	454.6
77.5°	63.1	64.4	100.8	246.8	706.9	1231.4	1240.3	1159.4	817.9	359.9	125.5
80°	32.2	34.3	49.4	92.6	290.7	670.5	684.9	660.9	342.8	106.3	30.2
82.5°	15.1	15.8	28.8	51.4	133.0	263.3	263.3	289.3	121.4	59.6	12.3
85°	5.5	5.5	15.1	29.5	56.2	87.8	88.4	89.1	63.8	44.6	5.5
87.5°	2.1	2.1	7.5	12.3	20.6	26.7	26.7	21.3	32.2	29.5	2.1
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°	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3
2.5°	288.6	284.5	281.1	276.3	270.1	266.7	267.4	263.3	263.3	261.2	260.5
5°	288.6	284.5	275.6	267.4	261.9	255.0	251.6	248.9	248.9	247.5	248.2
7.5°	290.7	284.5	272.2	261.2	252.3	245.4	240.0	239.3	237.9	234.5	237.2
10°	303.0	294.1	273.6	258.5	248.2	240.6	231.1	228.3	224.2	218.0	218.7
12.5°	313.3	301.7	283.2	262.6	249.6	237.2	215.3	191.3	181.0	170.0	170.7
15°	328.4	312.0	286.6	268.1	249.6	209.8	170.0	139.2	122.7	114.5	114.5
17.5°	336.6	322.9	296.2	271.5	229.7	170.7	120.7	93.9	91.2	92.6	92.6
20°	353.8	335.3	307.2	274.2	196.8	121.4	88.4	85.7	87.1	89.8	89.1
22.5°	364.7	346.2	315.4	261.9	152.2	87.1	83.0	81.6	83.0	86.4	86.4
25°	373.7	362.0	328.4	231.7	107.6	78.8	77.5	78.8	80.2	81.6	83.6
27.5°	395.6	375.7	337.3	192.7	77.5	73.4	74.7	75.4	75.4	77.5	78.2
30°	410.0	394.2	344.2	148.8	68.6	67.9	69.2	69.9	70.6	72.7	73.4
32.5°	423.7	418.2	335.3	100.8	64.4	63.1	62.4	63.1	65.8	67.9	67.2
35°	443.6	440.2	322.2	69.9	60.3	57.6	56.2	56.9	59.0	61.0	60.3
37.5°	467.6	471.0	290.7	61.0	56.2	52.8	50.0	50.0	50.7	52.8	53.5
40°	495.7	504.6	253.7	56.9	53.5	49.4	46.6	43.2	42.5	41.8	42.5
42.5°	547.1	557.4	211.9	54.2	49.4	44.6	40.5	36.3	32.9	30.9	30.9
45°	619.1	610.9	157.0	51.4	47.3	40.5	34.3	29.5	24.7	22.6	22.6
47.5°	718.5	690.4	107.6	48.7	43.9	35.7	28.8	22.6	18.5	16.5	16.5
50°	856.3	763.8	69.9	45.9	41.8	30.9	23.3	16.5	13.7	13.0	13.7
52.5°	986.6	838.5	55.5	42.5	37.7	26.7	17.8	13.7	12.3	11.7	11.7
55°	1106.6	876.2	49.4	39.1	34.3	21.9	15.1	11.7	11.0	10.3	10.3
57.5°	1208.0	889.2	42.5	34.3	27.4	17.1	12.3	10.3	8.9	8.2	8.2
60°	1295.8	892.7	32.9	27.4	19.9	13.0	10.3	8.9	7.5	6.2	6.2
62.5°	1365.7	868.7	23.3	19.2	13.7	10.3	8.9	6.2	4.1	2.7	2.1
65°	1421.3	820.7	15.8	13.0	8.9	7.5	5.5	2.7	0.7	0.0	0.0
67.5°	1356.1	711.7	12.3	9.6	6.2	4.8	2.7	0.7	0.0	0.0	0.0
70°	1105.9	551.9	8.9	6.2	4.1	1.4	0.7	0.0	0.0	0.0	0.0
72.5°	752.8	355.8	6.9	4.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0
75°	338.0	127.5	4.8	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	82.3	30.2	3.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.9	7.5	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.2	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	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)