

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: P676807

Luminaire Tested: **CCW-SA-1B-722-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676807
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-722-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

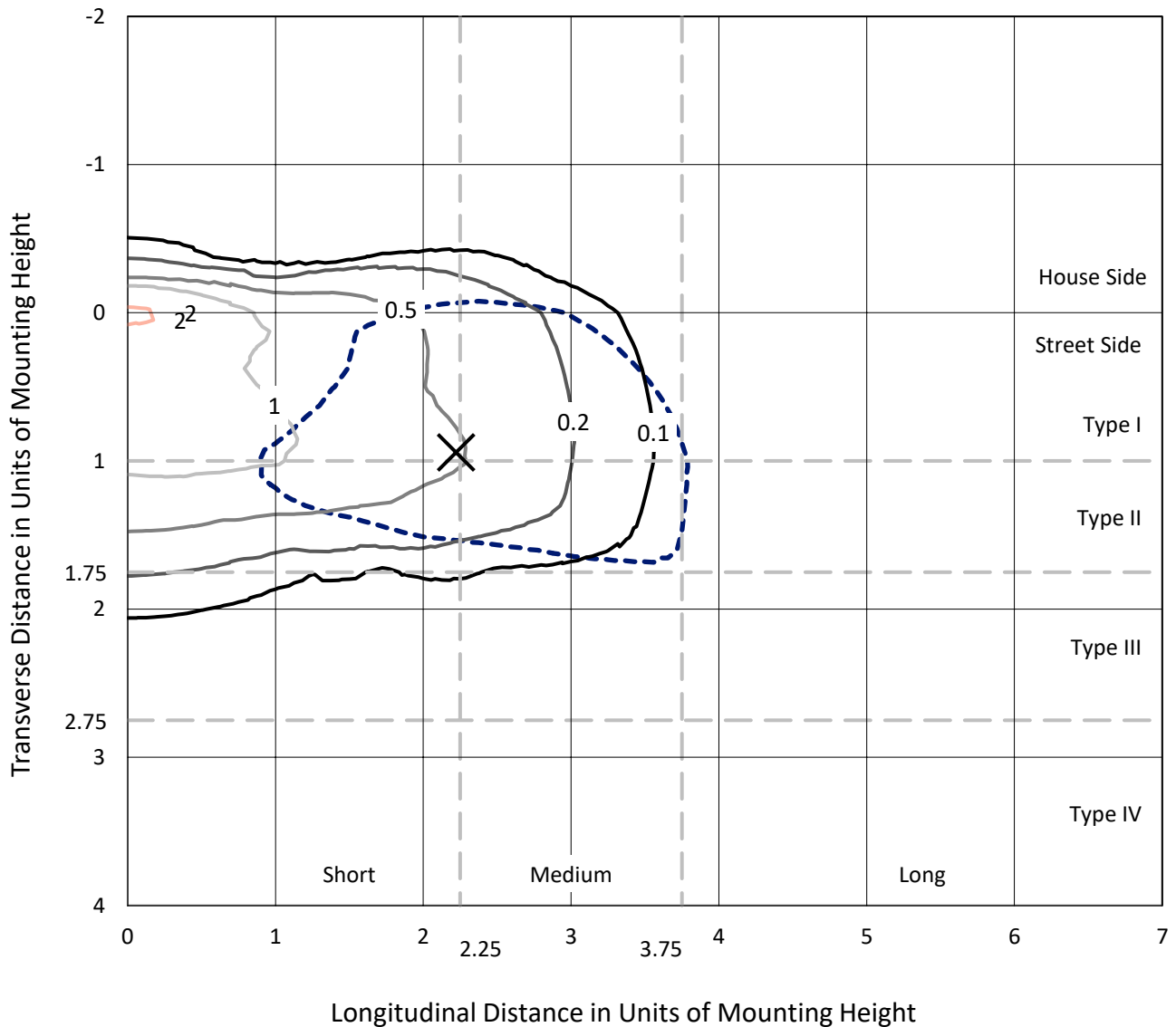
Lumens per Lamp: N/A
Luminaire Lumens: 2045.7 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

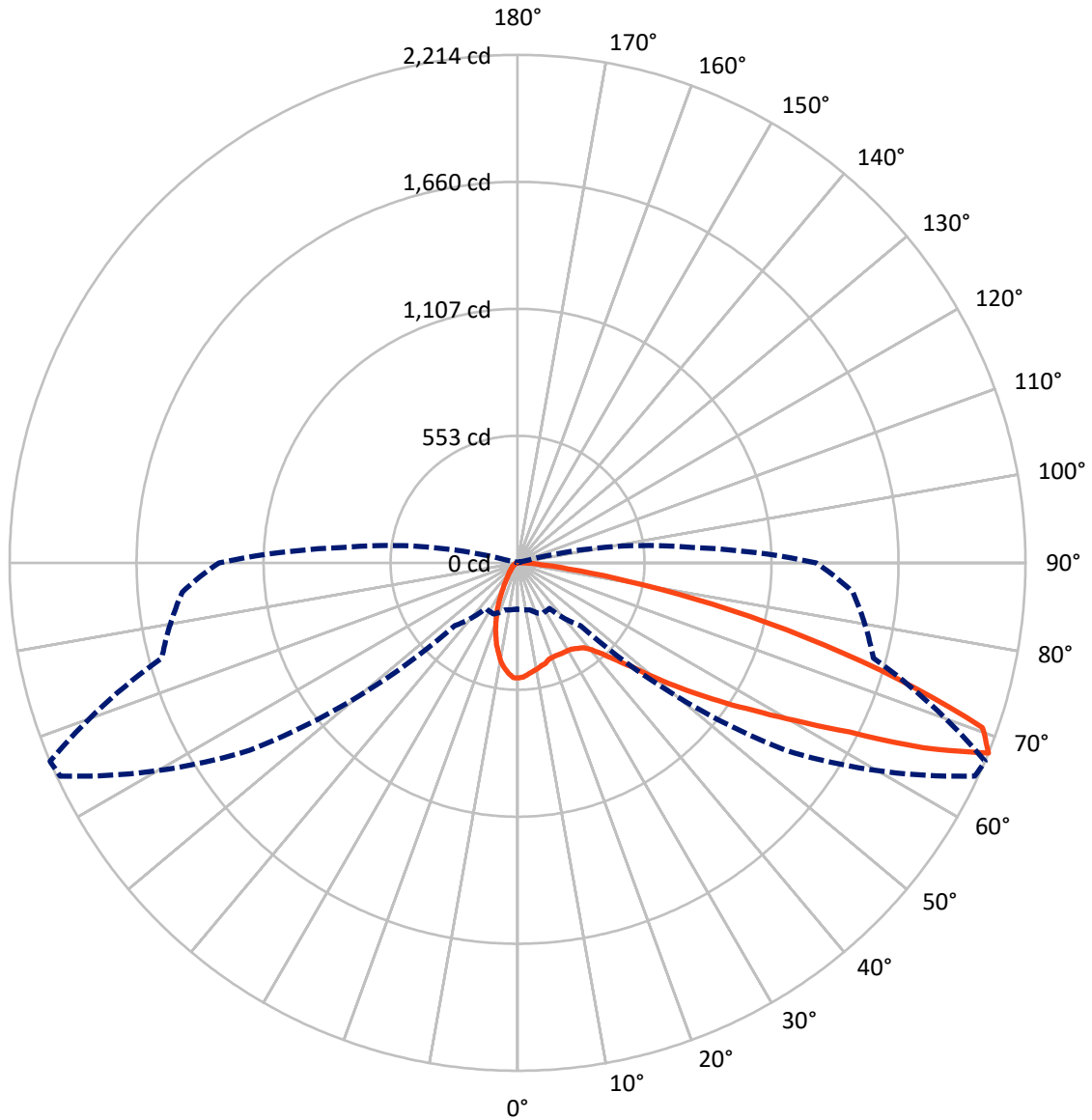
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	257.5	0.0	257.5
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	1788.3	0.0	1788.3
	% Fixture	87.4	0.0	87.4
Total	Lumens	2045.7	0.0	2045.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	2.1
10°-20°	93.9	4.6
20°-30°	133.5	6.5
30°-40°	194.5	9.5
40°-50°	301.0	14.7
50°-60°	461.9	22.6
60°-70°	500.7	24.5
70°-80°	282.5	13.8
80°-90°	35.5	1.7
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°	2045.7	100.0
0°-180°	2045.7	100.0

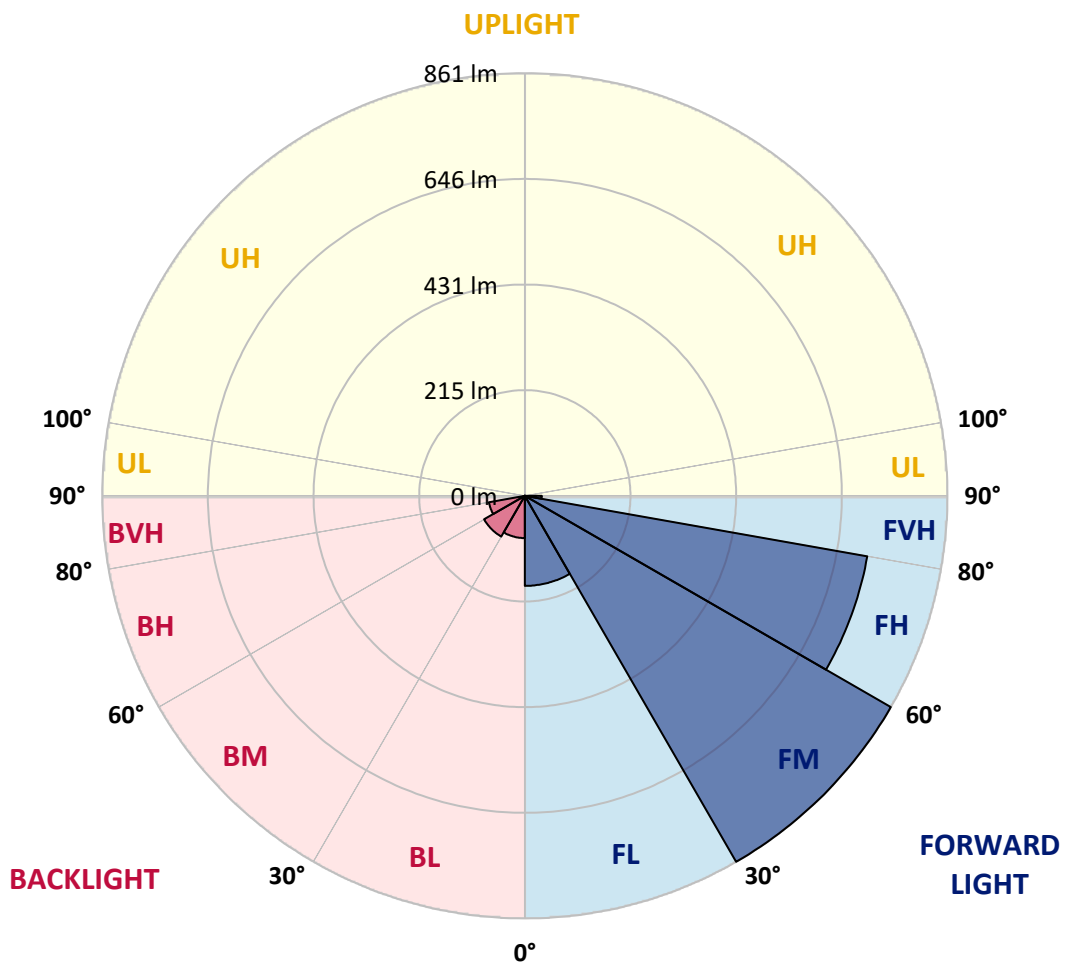


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.6	9.0			
FM (30°-60°)	861.4	42.1			
FH (60°-80°)	708.8	34.6			G1/1800
FVH (80°-90°)	34.5	1.7			G1/100
BL (0°-30°)	86.2	4.2	B0/110		
BM (30°-60°)	95.9	4.7	B0/220		
BH (60°-80°)	74.4	3.6	B0/110		G0/110
BVH (80°-90°)	1.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	501.8	501.8	501.8	501.8	501.8	501.8	501.8	501.8	501.8	501.8	501.8
2.5°	480.1	482.6	486.0	490.9	494.4	492.4	493.9	502.3	497.8	501.8	499.8
5°	453.5	455.9	460.9	460.4	464.3	471.7	481.6	492.4	487.5	499.3	503.7
7.5°	425.9	424.9	424.9	435.2	443.6	454.0	459.4	477.1	477.6	488.0	498.8
10°	400.7	403.7	408.6	412.6	420.4	435.2	451.0	464.8	470.2	490.9	493.9
12.5°	385.5	386.9	392.8	396.3	406.6	420.9	437.7	455.4	459.9	481.1	495.4
15°	379.0	382.5	384.5	390.9	396.3	409.6	421.9	442.1	454.9	471.7	489.5
17.5°	384.0	382.5	383.5	385.5	391.9	403.7	417.0	437.2	441.6	469.7	496.4
20°	390.4	390.9	387.9	386.9	385.5	396.8	407.6	433.8	438.7	469.7	500.8
22.5°	407.6	402.2	407.6	399.7	391.9	396.8	407.1	434.2	437.7	469.2	505.2
25°	428.8	429.8	431.3	414.5	403.2	399.7	410.6	435.7	438.7	473.2	507.2
27.5°	458.9	463.3	455.9	447.6	424.9	407.6	410.1	434.7	440.2	471.2	512.1
30°	499.3	495.9	496.8	477.6	455.4	428.3	421.4	437.2	441.1	473.7	521.5
32.5°	534.3	530.4	537.3	530.4	495.4	457.9	434.7	442.1	446.6	479.6	529.4
35°	556.0	560.9	571.8	579.2	549.6	496.4	456.9	455.4	457.4	482.6	535.3
37.5°	589.5	598.4	607.3	626.0	600.4	543.7	491.9	472.7	469.2	496.8	538.3
40°	626.0	623.5	649.6	671.8	670.8	610.2	540.7	503.3	498.3	519.5	558.0
42.5°	656.5	654.1	683.2	719.6	723.6	674.3	596.4	546.6	542.2	554.5	582.1
45°	696.5	698.4	732.9	776.3	790.6	759.1	671.8	608.7	606.3	602.3	628.0
47.5°	732.0	742.8	772.4	823.6	875.4	846.8	760.5	699.4	682.2	673.3	698.9
50°	756.6	766.5	802.4	857.2	951.8	970.0	860.1	796.0	796.5	774.8	788.6
52.5°	756.6	756.1	785.2	857.2	1005.0	1098.7	993.2	917.8	921.7	899.1	900.0
55°	683.7	682.2	717.7	794.1	999.1	1222.4	1194.8	1072.1	1062.2	1018.3	1022.8
57.5°	550.6	554.0	581.1	672.8	922.2	1280.1	1434.8	1245.6	1212.0	1121.4	1121.4
60°	401.7	398.8	419.0	483.0	738.9	1258.4	1632.0	1450.1	1397.4	1206.6	1193.8
62.5°	305.6	305.1	310.5	332.2	468.8	1097.2	1716.8	1710.4	1624.6	1290.4	1272.2
65°	246.9	247.9	255.3	270.6	286.4	748.2	1671.9	2020.9	1942.5	1415.1	1355.5
67.5°	201.6	204.1	212.9	246.0	242.5	387.4	1424.0	2198.8	2213.6	1605.4	1467.4
70°	155.3	159.2	169.6	216.4	233.6	257.8	987.3	2110.1	2149.6	1723.7	1399.8
72.5°	105.5	105.0	127.2	175.5	236.1	236.1	549.6	1699.5	1737.0	1589.1	1216.0
75°	57.2	60.6	84.3	132.6	216.4	228.2	313.0	1243.6	1296.3	1235.7	940.5
77.5°	31.1	31.5	46.8	86.8	179.9	217.9	209.0	845.8	866.5	745.3	515.1
80°	16.3	16.8	24.6	56.7	124.2	202.1	174.0	504.2	484.5	285.9	170.1
82.5°	7.4	7.9	12.3	35.5	79.4	159.2	150.3	243.5	224.8	79.9	51.8
85°	3.0	3.0	5.4	21.2	46.3	78.4	128.6	122.2	102.0	24.2	25.6
87.5°	1.0	1.0	1.5	8.4	18.7	46.8	68.5	64.6	44.4	8.9	13.8
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°	501.8	501.8	501.8	501.8	501.8	501.8	501.8	501.8	501.8	501.8	501.8
2.5°	497.8	503.3	501.8	500.8	491.4	490.4	489.5	480.6	483.5	476.1	481.1
5°	500.8	503.7	495.9	481.1	467.8	453.0	441.6	433.8	419.5	414.0	413.1
7.5°	497.8	497.8	481.6	457.9	431.8	407.6	377.1	355.4	339.1	326.8	331.2
10°	493.9	488.0	471.2	429.3	382.0	345.5	301.7	269.6	245.5	237.6	232.7
12.5°	493.9	483.5	446.1	388.9	327.8	272.6	220.3	178.4	155.3	141.5	139.5
15°	489.5	474.2	427.8	350.9	275.0	200.1	140.5	104.5	84.8	79.4	77.4
17.5°	490.4	472.2	400.7	306.1	213.4	133.1	85.8	66.0	61.1	58.7	59.1
20°	492.4	472.2	376.6	262.2	153.8	82.8	59.1	55.7	53.2	52.2	52.7
22.5°	498.8	462.8	351.9	217.4	104.0	59.6	52.2	48.8	46.8	45.3	44.9
25°	499.8	461.4	328.3	173.0	71.5	50.3	45.8	41.9	39.4	37.5	37.0
27.5°	498.3	454.9	295.2	128.6	53.7	44.9	38.9	35.0	31.5	30.1	29.6
30°	503.7	443.1	267.2	92.7	45.3	38.9	33.0	28.6	25.6	23.7	23.7
32.5°	504.2	432.8	236.1	66.0	41.4	34.5	28.1	23.2	20.2	19.2	19.2
35°	504.7	423.4	201.6	50.3	37.0	29.6	23.2	19.2	17.3	15.8	15.8
37.5°	506.2	416.5	170.1	42.4	33.0	25.1	19.2	15.8	13.8	13.3	13.3
40°	509.2	407.1	137.0	37.5	28.6	21.2	16.3	13.3	11.3	10.8	10.4
42.5°	517.1	404.7	109.4	33.5	25.6	17.7	13.3	10.8	9.4	8.4	7.9
45°	549.6	411.1	84.8	31.1	21.7	14.8	11.3	8.9	6.9	6.4	5.9
47.5°	602.8	432.3	67.0	27.6	18.2	12.3	9.4	6.9	5.4	4.9	4.4
50°	683.7	480.6	54.7	24.6	15.3	10.4	7.4	5.4	3.9	3.5	3.5
52.5°	789.6	545.6	47.3	21.7	12.3	8.9	5.9	3.9	3.0	2.5	2.5
55°	898.1	622.5	44.4	18.7	10.4	7.4	4.4	3.0	2.0	1.5	1.5
57.5°	997.6	672.3	42.9	15.3	8.9	5.4	3.5	2.0	1.0	0.5	0.5
60°	1059.7	708.8	38.4	12.3	6.9	4.4	2.5	1.0	0.5	0.0	0.0
62.5°	1141.6	745.8	31.5	9.4	4.9	3.0	1.5	0.5	0.0	0.0	0.0
65°	1249.5	787.2	24.6	7.4	3.9	2.0	1.0	0.5	0.0	0.0	0.0
67.5°	1301.3	765.5	16.8	5.4	2.5	1.0	0.5	0.0	0.0	0.0	0.0
70°	1197.8	644.7	11.8	3.9	1.5	0.5	0.5	0.0	0.0	0.0	0.0
72.5°	1007.0	505.2	8.9	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	742.3	316.0	6.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	393.8	117.8	4.9	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	116.3	34.5	3.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	38.4	10.4	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.7	3.9	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.3	1.5	1.0	1.0	0.5	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)