

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: P676852

Luminaire Tested: **CCW-SA-1C-740-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676852
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-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

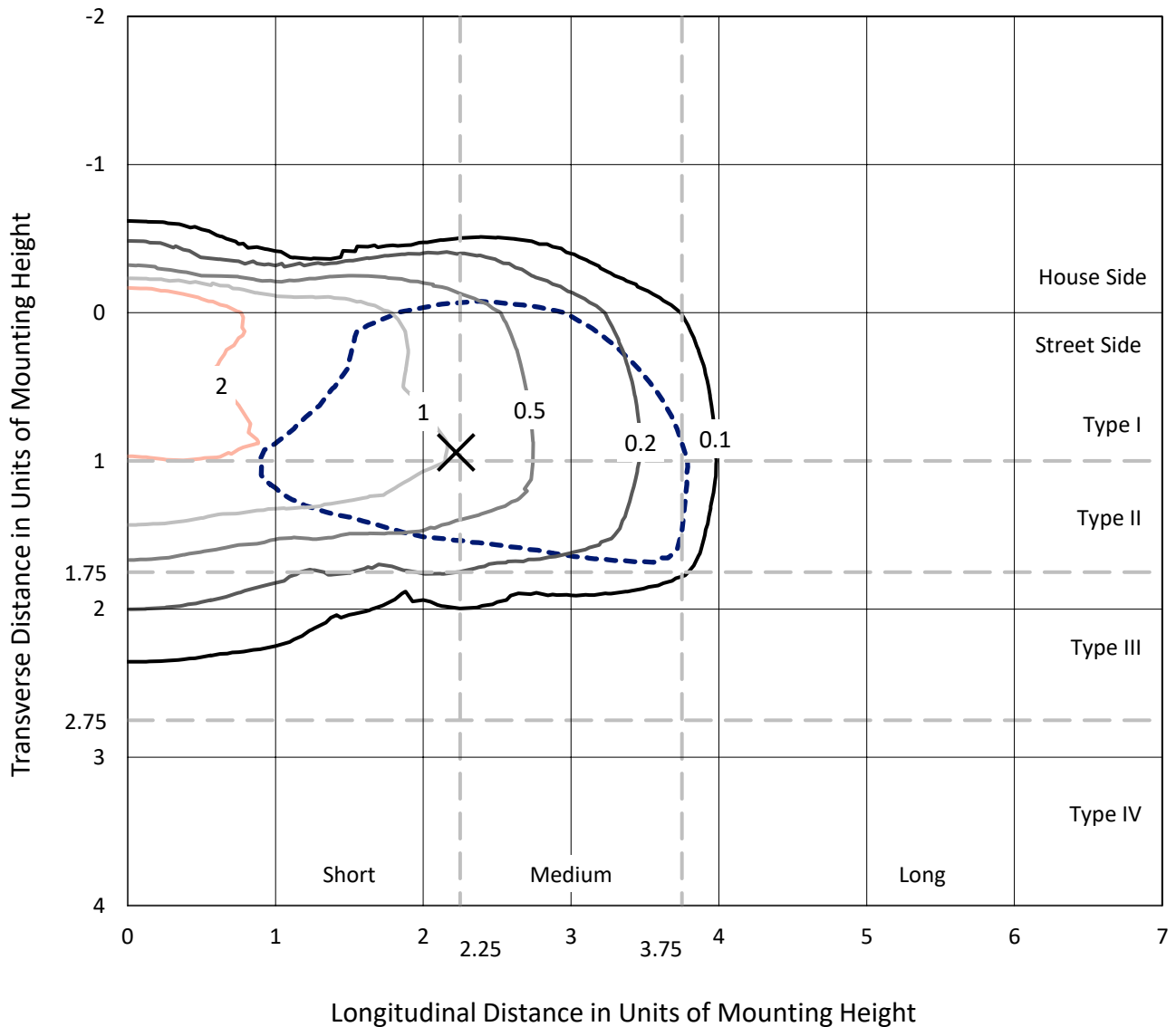
Lumens per Lamp: N/A
Luminaire Lumens: 3635.8 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

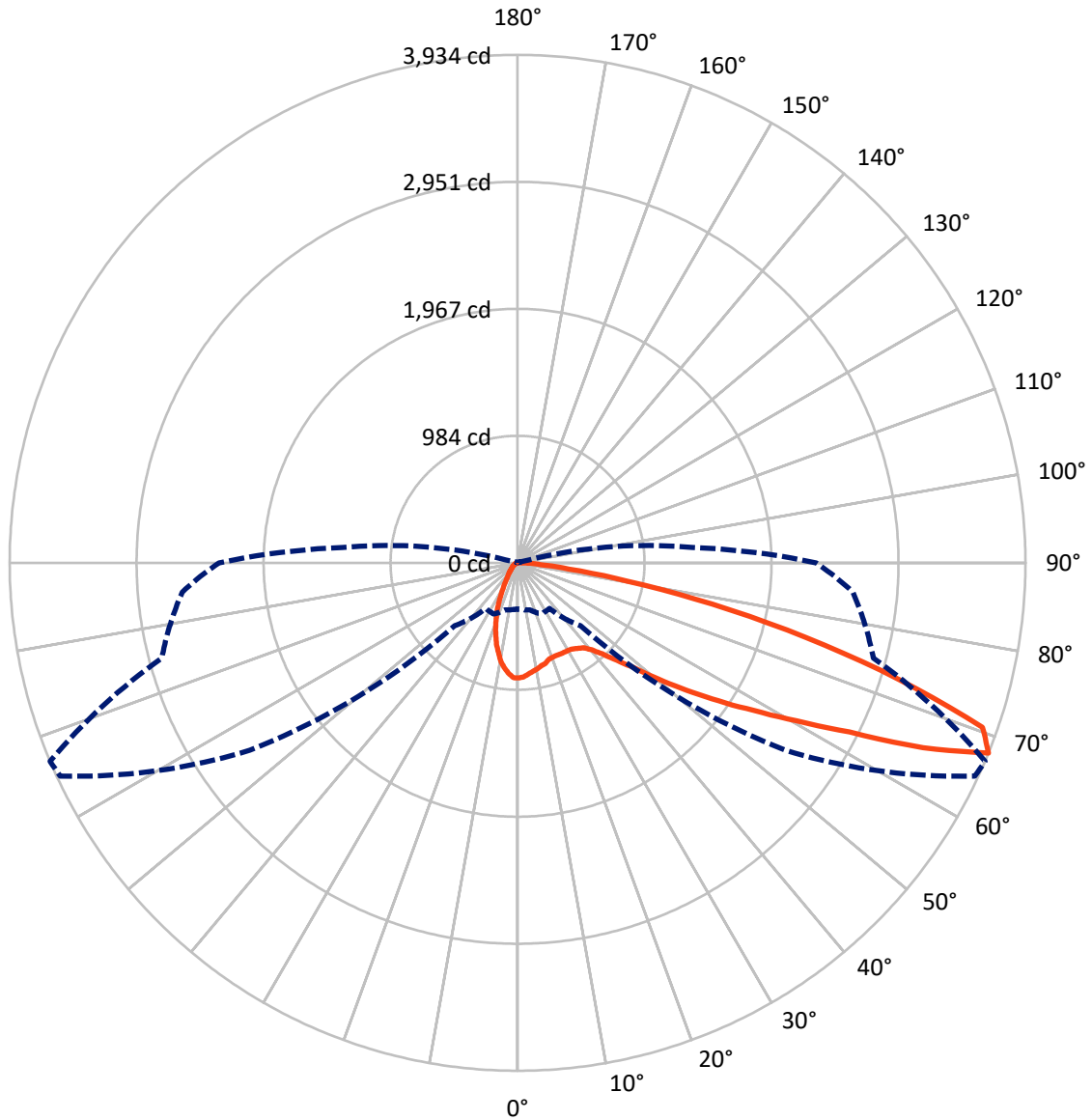
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 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	457.6	0.0	457.6
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3178.2	0.0	3178.2
	% Fixture	87.4	0.0	87.4
Total	Lumens	3635.8	0.0	3635.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	2.1
10°-20°	166.9	4.6
20°-30°	237.4	6.5
30°-40°	345.6	9.5
40°-50°	534.9	14.7
50°-60°	820.9	22.6
60°-70°	889.9	24.5
70°-80°	502.0	13.8
80°-90°	63.1	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°	3635.8	100.0
0°-180°	3635.8	100.0

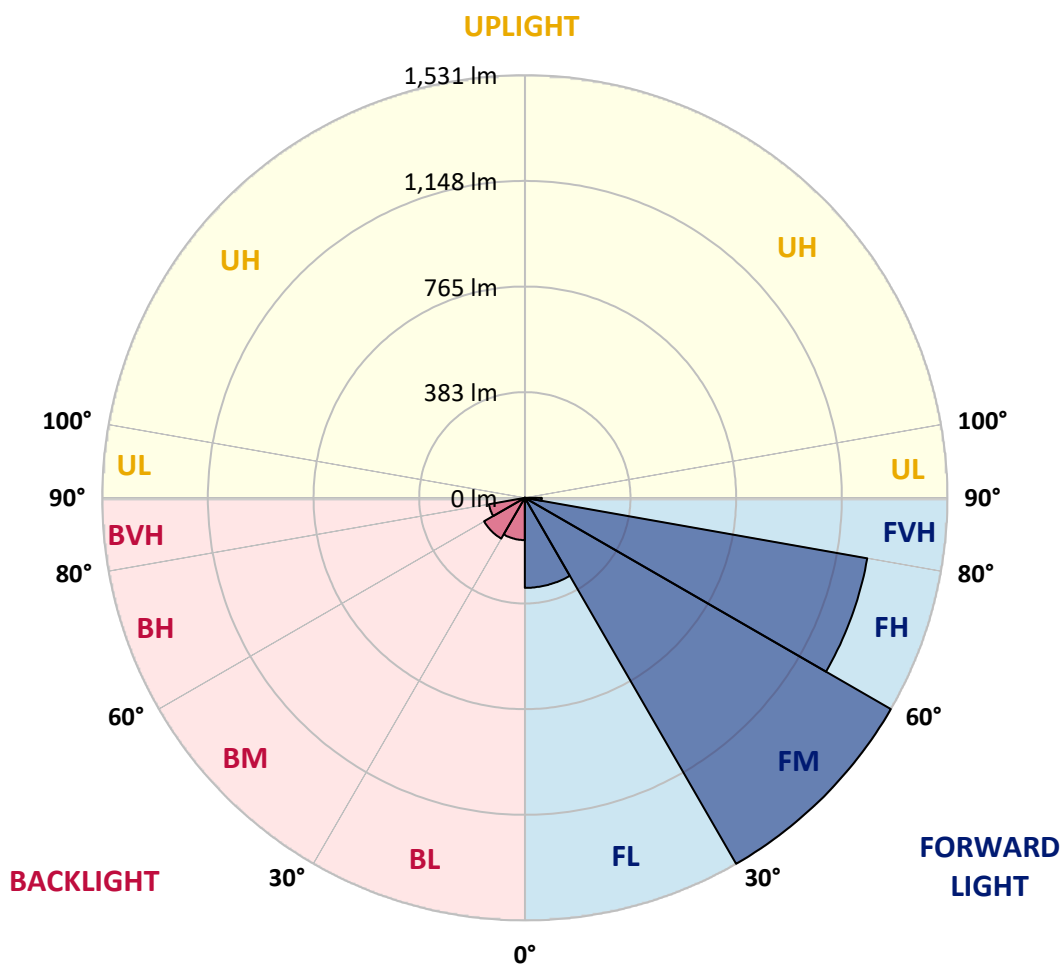


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.2	9.0			
FM (30°-60°)	1531.0	42.1			
FH (60°-80°)	1259.7	34.6			G1/1800
FVH (80°-90°)	61.3	1.7			G1/100
BL (0°-30°)	153.2	4.2	B1/500		
BM (30°-60°)	170.4	4.7	B0/220		
BH (60°-80°)	132.2	3.6	B1/500		G1/500
BVH (80°-90°)	1.8	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8
2.5°	853.3	857.6	863.8	872.5	878.7	875.2	877.8	892.7	884.8	891.8	888.3
5°	805.9	810.3	819.1	818.2	825.2	838.4	855.9	875.2	866.4	887.4	895.3
7.5°	756.9	755.1	755.1	773.5	788.4	806.8	816.5	848.0	848.9	867.3	886.5
10°	712.2	717.5	726.2	733.2	747.3	773.5	801.6	826.1	835.7	872.5	877.8
12.5°	685.1	687.7	698.2	704.3	722.7	748.1	777.9	809.4	817.3	855.0	880.4
15°	673.7	679.8	683.3	694.7	704.3	728.0	749.9	785.8	808.6	838.4	869.9
17.5°	682.4	679.8	681.5	685.1	696.4	717.5	741.1	777.0	784.9	834.9	882.2
20°	693.8	694.7	689.4	687.7	685.1	705.2	724.5	770.9	779.7	834.9	890.0
22.5°	724.5	714.8	724.5	710.5	696.4	705.2	723.6	771.8	777.9	834.0	897.9
25°	762.1	763.9	766.5	736.7	716.6	710.5	729.7	774.4	779.7	841.0	901.4
27.5°	815.6	823.5	810.3	795.4	755.1	724.5	728.9	772.7	782.3	837.5	910.2
30°	887.4	881.3	883.0	848.9	809.4	761.3	749.0	777.0	784.0	841.9	926.8
32.5°	949.6	942.6	954.9	942.6	880.4	813.8	772.7	785.8	793.7	852.4	940.9
35°	988.2	996.9	1016.2	1029.3	976.8	882.2	812.1	809.4	813.0	857.6	951.4
37.5°	1047.7	1063.5	1079.3	1112.6	1067.0	966.3	874.3	840.1	834.0	883.0	956.6
40°	1112.6	1108.2	1154.6	1194.0	1192.3	1084.5	961.0	894.4	885.7	923.3	991.7
42.5°	1166.9	1162.5	1214.2	1279.0	1286.0	1198.4	1060.0	971.5	963.6	985.5	1034.6
45°	1237.8	1241.3	1302.7	1379.7	1405.1	1349.1	1194.0	1081.9	1077.5	1070.5	1116.1
47.5°	1300.9	1320.2	1372.7	1463.8	1555.8	1505.0	1351.7	1243.1	1212.4	1196.7	1242.2
50°	1344.7	1362.2	1426.2	1523.4	1691.6	1724.0	1528.7	1414.8	1415.7	1377.1	1401.6
52.5°	1344.7	1343.8	1395.5	1523.4	1786.2	1952.7	1765.2	1631.2	1638.2	1597.9	1599.6
55°	1215.0	1212.4	1275.5	1411.3	1775.7	2172.5	2123.5	1905.4	1887.8	1809.9	1817.8
57.5°	978.5	984.7	1032.8	1195.8	1639.0	2275.0	2550.1	2213.7	2154.1	1993.0	1993.0
60°	714.0	708.7	744.6	858.5	1313.2	2236.5	2900.5	2577.3	2483.5	2144.5	2121.7
62.5°	543.1	542.3	551.9	590.4	833.1	1950.0	3051.2	3039.8	2887.4	2293.4	2261.0
65°	438.9	440.6	453.8	480.9	509.0	1329.8	2971.5	3591.7	3452.4	2515.1	2409.1
67.5°	358.3	362.7	378.4	437.1	431.0	688.6	2530.8	3908.0	3934.2	2853.2	2607.9
70°	275.9	283.0	301.4	384.6	415.2	458.2	1754.7	3750.3	3820.4	3063.5	2487.9
72.5°	187.5	186.6	226.0	311.9	419.6	419.6	976.8	3020.5	3087.1	2824.3	2161.2
75°	101.6	107.8	149.8	235.7	384.6	405.6	556.3	2210.2	2304.0	2196.2	1671.5
77.5°	55.2	56.1	83.2	154.2	319.7	387.2	371.4	1503.3	1540.1	1324.6	915.4
80°	28.9	29.8	43.8	100.7	220.8	359.2	309.2	896.2	861.1	508.1	302.2
82.5°	13.1	14.0	21.9	63.1	141.0	283.0	267.2	432.8	399.5	141.9	92.0
85°	5.3	5.3	9.6	37.7	82.3	139.3	228.6	217.3	181.3	42.9	45.6
87.5°	1.8	1.8	2.6	14.9	33.3	83.2	121.8	114.8	78.8	15.8	24.5
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°	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8
2.5°	884.8	894.4	891.8	890.0	873.4	871.6	869.9	854.1	859.4	846.2	855.0
5°	890.0	895.3	881.3	855.0	831.3	805.1	784.9	770.9	745.5	735.9	734.1
7.5°	884.8	884.8	855.9	813.8	767.4	724.5	670.2	631.6	602.7	580.8	588.7
10°	877.8	867.3	837.5	763.0	678.9	614.1	536.1	479.2	436.3	422.2	413.5
12.5°	877.8	859.4	792.8	691.2	582.6	484.4	391.6	317.1	275.9	251.4	247.9
15°	869.9	842.7	760.4	623.7	488.8	355.7	249.7	185.7	150.7	141.0	137.5
17.5°	871.6	839.2	712.2	544.0	379.3	236.5	152.4	117.4	108.6	104.2	105.1
20°	875.2	839.2	669.3	466.0	273.3	147.2	105.1	99.0	94.6	92.9	93.7
22.5°	886.5	822.6	625.5	386.3	184.8	106.0	92.9	86.7	83.2	80.6	79.7
25°	888.3	820.0	583.4	307.5	127.0	89.4	81.5	74.5	70.1	66.6	65.7
27.5°	885.7	808.6	524.7	228.6	95.5	79.7	69.2	62.2	56.1	53.4	52.6
30°	895.3	787.5	474.8	164.7	80.6	69.2	58.7	50.8	45.6	42.0	42.0
32.5°	896.2	769.2	419.6	117.4	73.6	61.3	49.9	41.2	35.9	34.2	34.2
35°	897.1	752.5	358.3	89.4	65.7	52.6	41.2	34.2	30.7	28.0	28.0
37.5°	899.7	740.2	302.2	75.3	58.7	44.7	34.2	28.0	24.5	23.7	23.7
40°	904.9	723.6	243.5	66.6	50.8	37.7	28.9	23.7	20.1	19.3	18.4
42.5°	919.0	719.2	194.5	59.6	45.6	31.5	23.7	19.3	16.6	14.9	14.0
45°	976.8	730.6	150.7	55.2	38.5	26.3	20.1	15.8	12.3	11.4	10.5
47.5°	1071.4	768.3	119.1	49.1	32.4	21.9	16.6	12.3	9.6	8.8	7.9
50°	1215.0	854.1	97.2	43.8	27.2	18.4	13.1	9.6	7.0	6.1	6.1
52.5°	1403.4	969.8	84.1	38.5	21.9	15.8	10.5	7.0	5.3	4.4	4.4
55°	1596.1	1106.4	78.8	33.3	18.4	13.1	7.9	5.3	3.5	2.6	2.6
57.5°	1773.1	1194.9	76.2	27.2	15.8	9.6	6.1	3.5	1.8	0.9	0.9
60°	1883.5	1259.7	68.3	21.9	12.3	7.9	4.4	1.8	0.9	0.0	0.0
62.5°	2028.9	1325.4	56.1	16.6	8.8	5.3	2.6	0.9	0.0	0.0	0.0
65°	2220.7	1399.0	43.8	13.1	7.0	3.5	1.8	0.9	0.0	0.0	0.0
67.5°	2312.7	1360.5	29.8	9.6	4.4	1.8	0.9	0.0	0.0	0.0	0.0
70°	2128.7	1145.8	21.0	7.0	2.6	0.9	0.9	0.0	0.0	0.0	0.0
72.5°	1789.7	897.9	15.8	4.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	1319.3	561.5	12.3	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	699.9	209.4	8.8	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	206.7	61.3	6.1	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	68.3	18.4	3.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.0	7.0	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.1	2.6	1.8	1.8	0.9	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)