

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: P676823

Luminaire Tested: **CCW-SA-2A-727-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676823
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-727-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

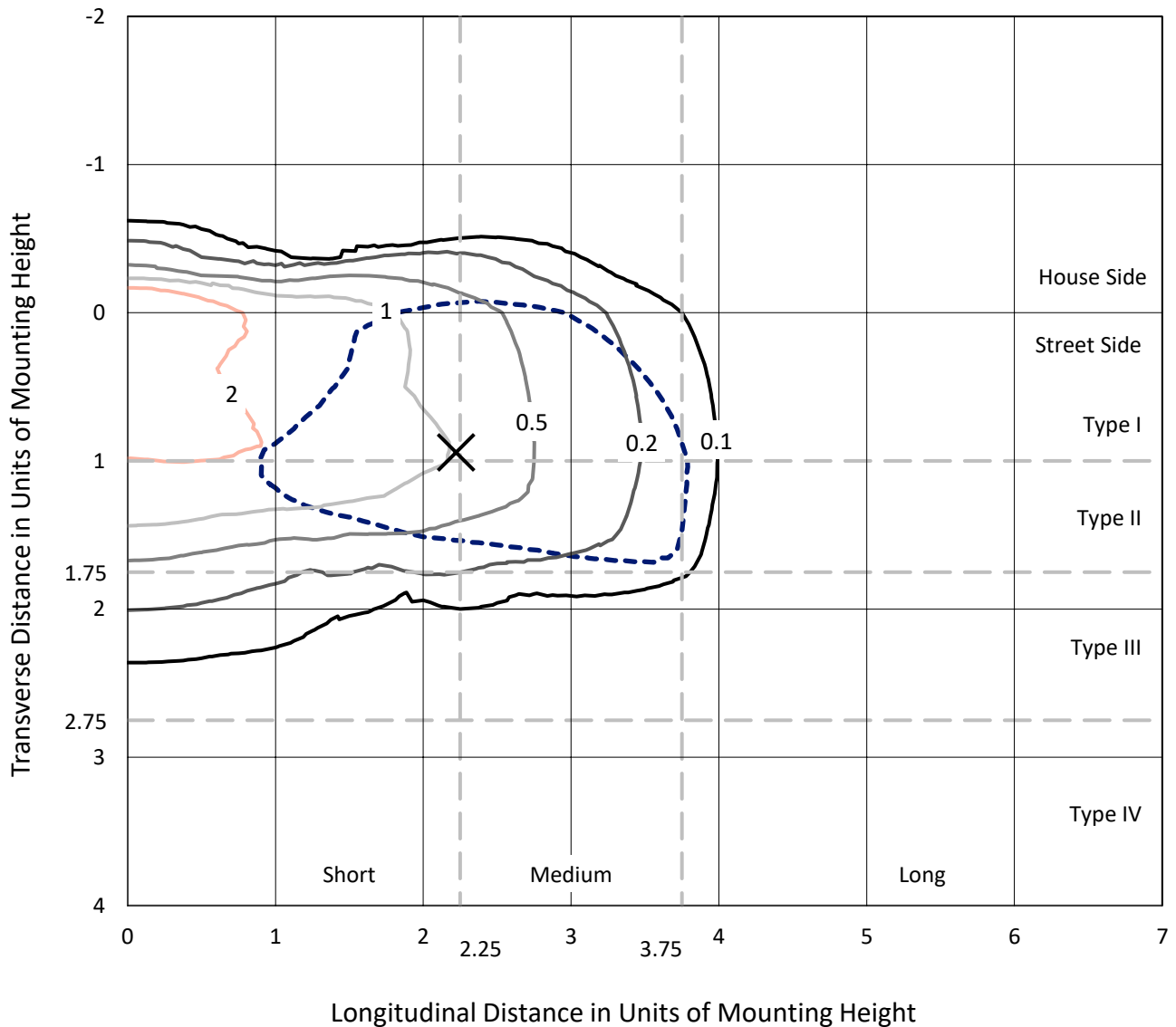
Lumens per Lamp: N/A
Luminaire Lumens: 3679.8 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

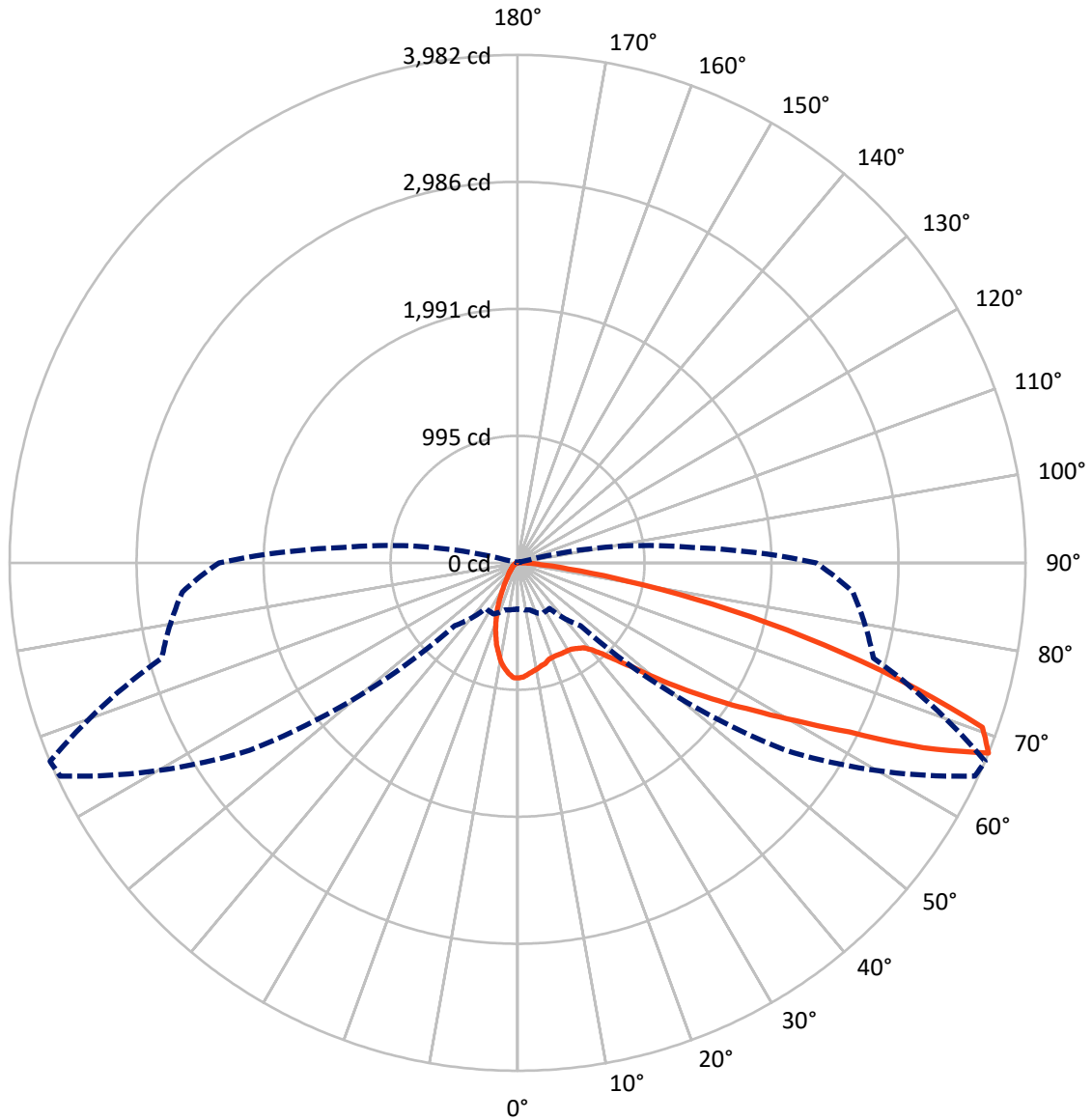
× Max cd
 - - - 1/2 Max cd



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	463.1	0.0	463.1
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3216.6	0.0	3216.6
	% Fixture	87.4	0.0	87.4
Total	Lumens	3679.8	0.0	3679.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	2.1
10°-20°	168.9	4.6
20°-30°	240.2	6.5
30°-40°	349.8	9.5
40°-50°	541.4	14.7
50°-60°	830.8	22.6
60°-70°	900.6	24.5
70°-80°	508.1	13.8
80°-90°	63.8	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°	3679.8	100.0
0°-180°	3679.8	100.0

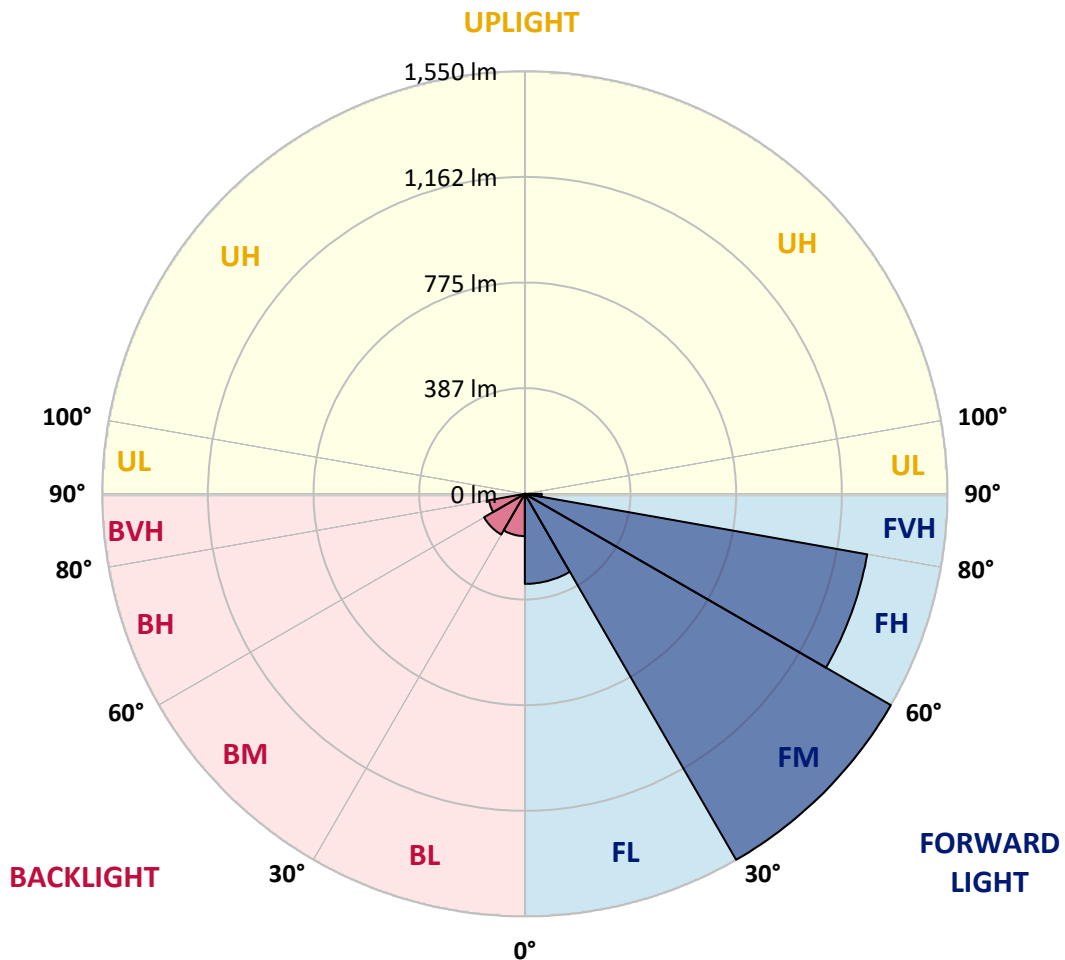


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.2	9.0			
FM (30°-60°)	1549.5	42.1			
FH (60°-80°)	1275.0	34.6			G1/1800
FVH (80°-90°)	62.0	1.7			G1/100
BL (0°-30°)	155.0	4.2	B1/500		
BM (30°-60°)	172.5	4.7	B0/220		
BH (60°-80°)	133.8	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°	902.6	902.6	902.6	902.6	902.6	902.6	902.6	902.6	902.6	902.6	902.6
2.5°	863.6	868.0	874.2	883.1	889.3	885.7	888.4	903.5	895.5	902.6	899.0
5°	815.7	820.1	829.0	828.1	835.2	848.5	866.2	885.7	876.9	898.1	906.1
7.5°	766.0	764.3	764.3	782.9	798.0	816.6	826.3	858.2	859.1	877.8	897.3
10°	720.8	726.1	735.0	742.1	756.3	782.9	811.3	836.1	845.8	883.1	888.4
12.5°	693.3	696.0	706.6	712.8	731.5	757.2	787.3	819.2	827.2	865.3	891.1
15°	681.8	688.0	691.6	703.1	712.8	736.8	758.9	795.3	818.3	848.5	880.4
17.5°	690.7	688.0	689.8	693.3	704.9	726.1	750.1	786.4	794.4	844.9	892.8
20°	702.2	703.1	697.8	696.0	693.3	713.7	733.2	780.2	789.1	844.9	900.8
22.5°	733.2	723.5	733.2	719.0	704.9	713.7	732.3	781.1	787.3	844.1	908.8
25°	771.4	773.1	775.8	745.6	725.3	719.0	738.6	783.8	789.1	851.2	912.3
27.5°	825.4	833.4	820.1	805.0	764.3	733.2	737.7	782.0	791.7	847.6	921.2
30°	898.1	891.9	893.7	859.1	819.2	770.5	758.1	786.4	793.5	852.0	938.0
32.5°	961.1	954.0	966.4	954.0	891.1	823.7	782.0	795.3	803.3	862.7	952.2
35°	1000.1	1009.0	1028.5	1041.8	988.6	892.8	821.9	819.2	822.8	868.0	962.9
37.5°	1060.4	1076.4	1092.3	1126.0	1079.9	977.9	884.8	850.3	844.1	893.7	968.2
40°	1126.0	1121.6	1168.6	1208.5	1206.7	1097.6	972.6	905.2	896.4	934.5	1003.7
42.5°	1181.0	1176.5	1228.9	1294.5	1301.6	1212.9	1072.8	983.3	975.3	997.4	1047.1
45°	1252.8	1256.3	1318.4	1396.4	1422.1	1365.4	1208.5	1095.0	1090.5	1083.4	1129.6
47.5°	1316.6	1336.1	1389.3	1481.5	1574.6	1523.2	1368.1	1258.1	1227.1	1211.1	1257.2
50°	1361.0	1378.7	1443.4	1541.8	1712.1	1744.9	1547.1	1431.9	1432.8	1393.8	1418.6
52.5°	1361.0	1360.1	1412.4	1541.8	1807.8	1976.3	1786.5	1650.9	1658.0	1617.2	1619.0
55°	1229.7	1227.1	1290.9	1428.3	1797.2	2198.8	2149.2	1928.4	1910.7	1831.8	1839.7
57.5°	990.4	996.6	1045.3	1210.2	1658.9	2302.5	2580.9	2240.5	2180.2	2017.1	2017.1
60°	722.6	717.3	753.6	868.9	1329.0	2263.5	2935.6	2608.4	2513.6	2170.4	2147.4
62.5°	549.7	548.8	558.6	597.6	843.2	1973.6	3088.1	3076.6	2922.3	2321.2	2288.4
65°	444.2	446.0	459.3	486.8	515.1	1345.9	3007.4	3635.1	3494.2	2545.5	2438.2
67.5°	362.6	367.1	383.0	442.4	436.2	696.9	2561.4	3955.2	3981.8	2887.7	2639.5
70°	279.3	286.4	305.0	389.2	420.3	463.7	1775.9	3795.6	3866.5	3100.5	2518.0
72.5°	189.7	188.8	228.7	315.6	424.7	424.7	988.6	3057.1	3124.4	2858.5	2187.3
75°	102.8	109.1	151.6	238.5	389.2	410.5	563.0	2236.9	2331.8	2222.8	1691.7
77.5°	55.9	56.7	84.2	156.0	323.6	391.9	375.9	1521.4	1558.7	1340.6	926.5
80°	29.3	30.1	44.3	102.0	223.4	363.5	313.0	907.0	871.5	514.2	305.9
82.5°	13.3	14.2	22.2	63.8	142.7	286.4	270.4	438.0	404.3	143.6	93.1
85°	5.3	5.3	9.8	38.1	83.3	141.0	231.4	219.9	183.5	43.4	46.1
87.5°	1.8	1.8	2.7	15.1	33.7	84.2	123.2	116.1	79.8	16.0	24.8
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°	902.6	902.6	902.6	902.6	902.6	902.6	902.6	902.6	902.6	902.6	902.6
2.5°	895.5	905.2	902.6	900.8	884.0	882.2	880.4	864.5	869.8	856.5	865.3
5°	900.8	906.1	891.9	865.3	841.4	814.8	794.4	780.2	754.5	744.8	743.0
7.5°	895.5	895.5	866.2	823.7	776.7	733.2	678.3	639.3	610.0	587.8	595.8
10°	888.4	877.8	847.6	772.2	687.1	621.5	542.6	485.0	441.5	427.3	418.5
12.5°	888.4	869.8	802.4	699.5	589.6	490.3	396.3	321.0	279.3	254.5	250.9
15°	880.4	852.9	769.6	631.3	494.7	360.0	252.7	188.0	152.5	142.7	139.2
17.5°	882.2	849.4	720.8	550.6	383.9	239.4	154.3	118.8	109.9	105.5	106.4
20°	885.7	849.4	677.4	471.7	276.6	149.0	106.4	100.2	95.8	94.0	94.9
22.5°	897.3	832.5	633.0	391.0	187.1	107.3	94.0	87.8	84.2	81.6	80.7
25°	899.0	829.9	590.5	311.2	128.6	90.4	82.5	75.4	70.9	67.4	66.5
27.5°	896.4	818.3	531.1	231.4	96.6	80.7	70.0	62.9	56.7	54.1	53.2
30°	906.1	797.1	480.5	166.7	81.6	70.0	59.4	51.4	46.1	42.6	42.6
32.5°	907.0	778.5	424.7	118.8	74.5	62.1	50.5	41.7	36.4	34.6	34.6
35°	907.9	761.6	362.6	90.4	66.5	53.2	41.7	34.6	31.0	28.4	28.4
37.5°	910.6	749.2	305.9	76.2	59.4	45.2	34.6	28.4	24.8	23.9	23.9
40°	915.9	732.3	246.5	67.4	51.4	38.1	29.3	23.9	20.4	19.5	18.6
42.5°	930.1	727.9	196.8	60.3	46.1	31.9	23.9	19.5	16.8	15.1	14.2
45°	988.6	739.4	152.5	55.9	39.0	26.6	20.4	16.0	12.4	11.5	10.6
47.5°	1084.3	777.6	120.6	49.7	32.8	22.2	16.8	12.4	9.8	8.9	8.0
50°	1229.7	864.5	98.4	44.3	27.5	18.6	13.3	9.8	7.1	6.2	6.2
52.5°	1420.4	981.5	85.1	39.0	22.2	16.0	10.6	7.1	5.3	4.4	4.4
55°	1615.4	1119.8	79.8	33.7	18.6	13.3	8.0	5.3	3.5	2.7	2.7
57.5°	1794.5	1209.3	77.1	27.5	16.0	9.8	6.2	3.5	1.8	0.9	0.9
60°	1906.2	1275.0	69.2	22.2	12.4	8.0	4.4	1.8	0.9	0.0	0.0
62.5°	2053.4	1341.5	56.7	16.8	8.9	5.3	2.7	0.9	0.0	0.0	0.0
65°	2247.6	1415.9	44.3	13.3	7.1	3.5	1.8	0.9	0.0	0.0	0.0
67.5°	2340.7	1376.9	30.1	9.8	4.4	1.8	0.9	0.0	0.0	0.0	0.0
70°	2154.5	1159.7	21.3	7.1	2.7	0.9	0.9	0.0	0.0	0.0	0.0
72.5°	1811.4	908.8	16.0	4.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	1335.2	568.3	12.4	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	708.4	211.9	8.9	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	209.2	62.1	6.2	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	69.2	18.6	3.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.5	7.1	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.4	2.7	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)