

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: P676810

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676810
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-722-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

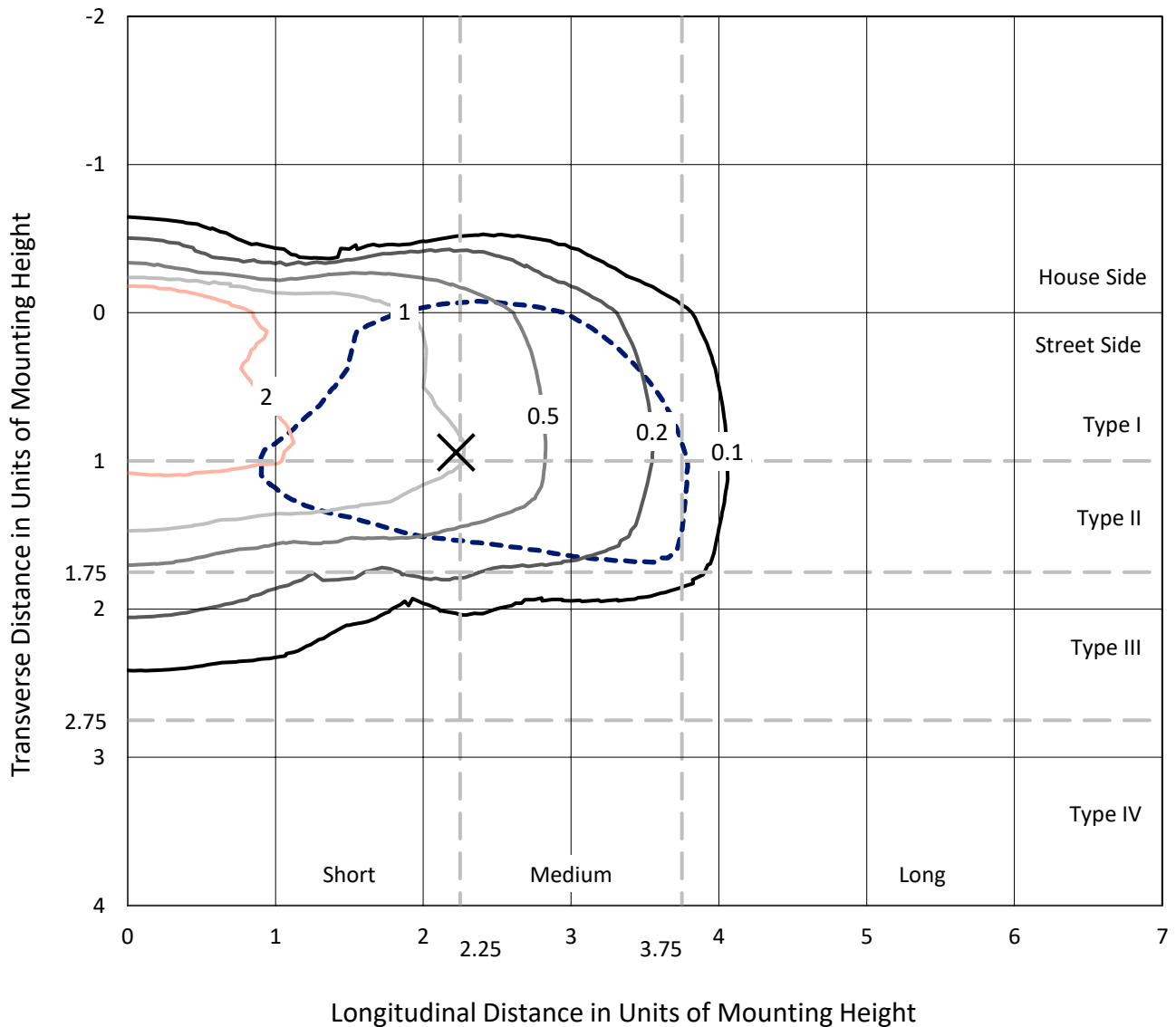
Lumens per Lamp: N/A
Luminaire Lumens: 4049.9 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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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 CATALOG NUMBER: CCW-SA-1E-722-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

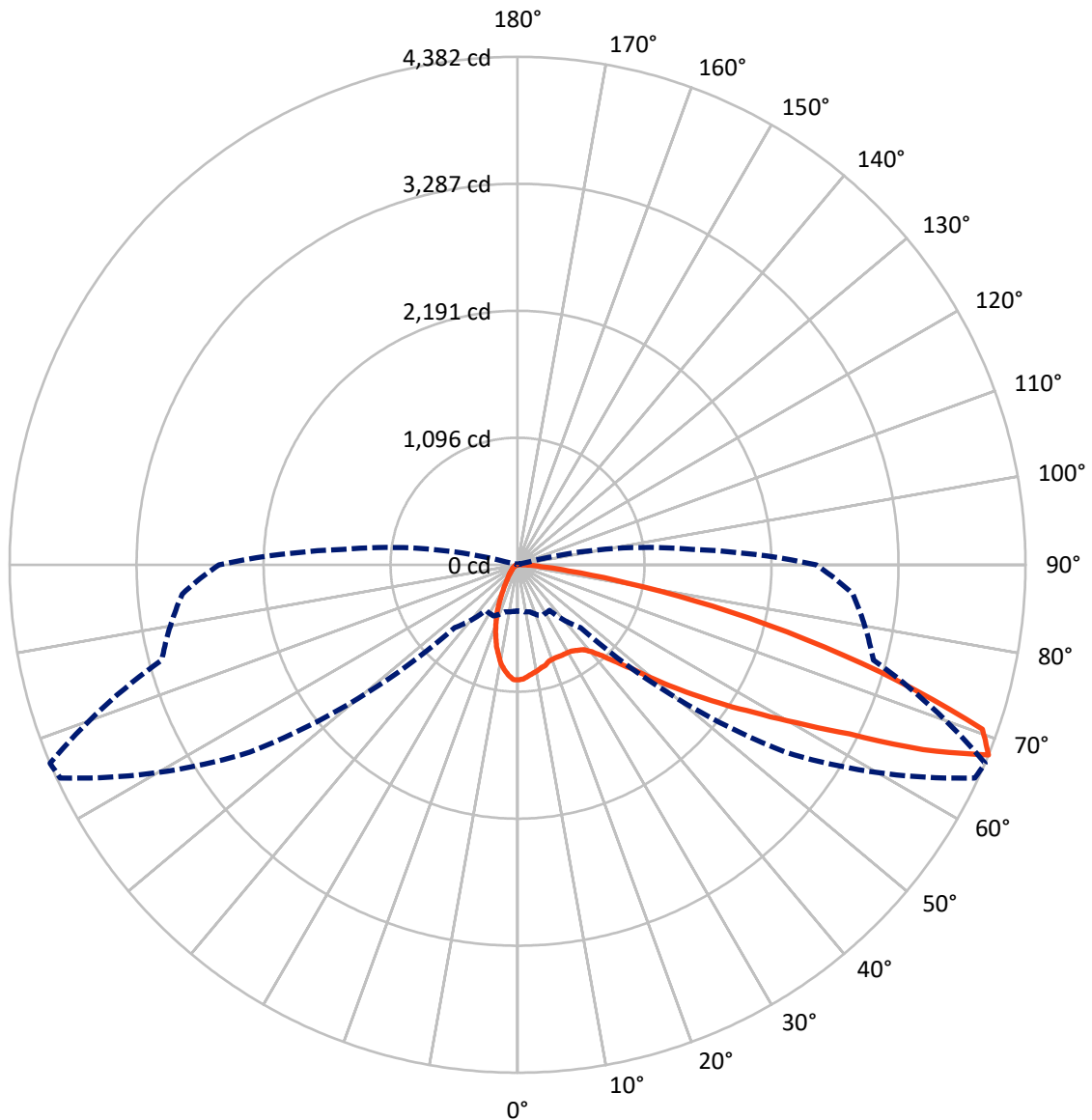
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

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CATALOG NUMBER: CCW-SA-1E-722-U-SL2-HSS

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	509.7	0.0	509.7
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3540.2	0.0	3540.2
	% Fixture	87.4	0.0	87.4
Total	Lumens	4049.9	0.0	4049.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	2.1
10°-20°	185.9	4.6
20°-30°	264.4	6.5
30°-40°	385.0	9.5
40°-50°	595.8	14.7
50°-60°	914.4	22.6
60°-70°	991.2	24.5
70°-80°	559.2	13.8
80°-90°	70.3	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°	4049.9	100.0
0°-180°	4049.9	100.0

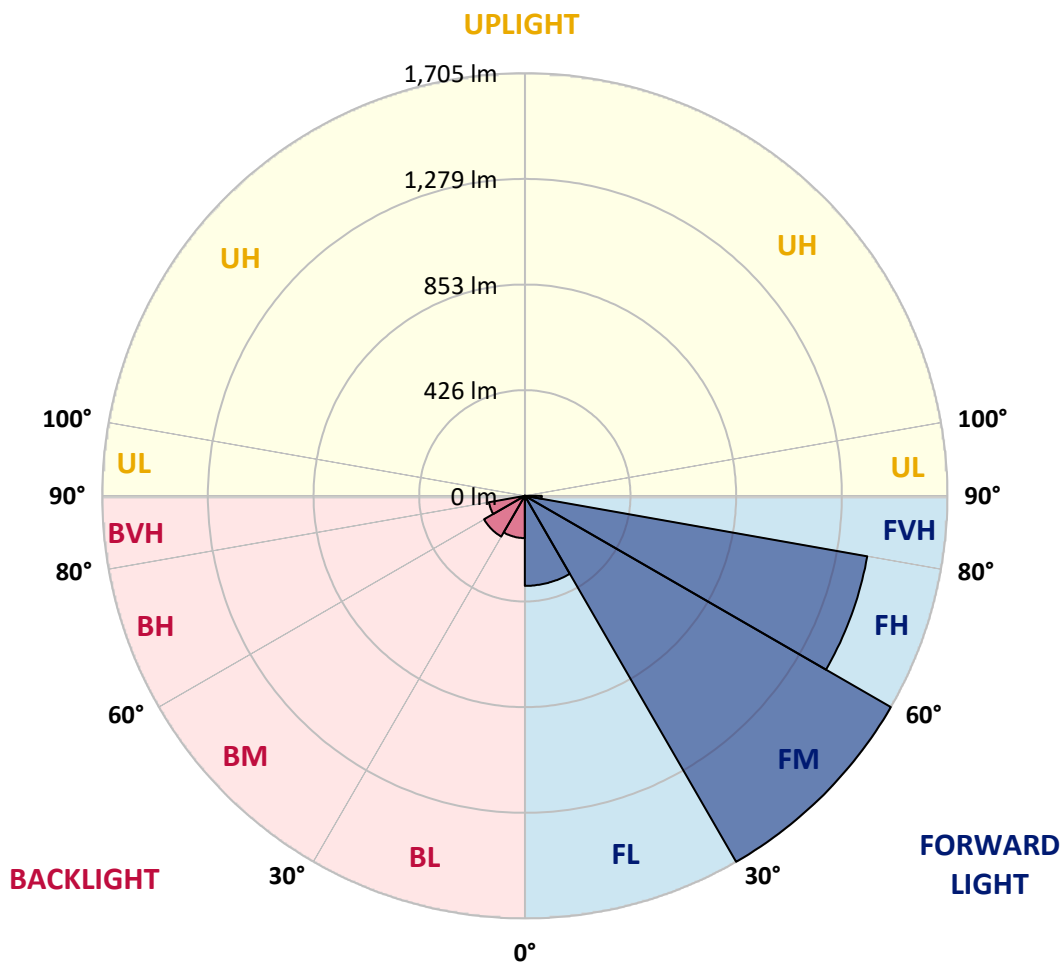


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.4	9.0			
FM (30°-60°)	1705.3	42.1			
FH (60°-80°)	1403.2	34.6			G1/1800
FVH (80°-90°)	68.2	1.7			G1/100
BL (0°-30°)	170.6	4.2	B1/500		
BM (30°-60°)	189.8	4.7	B0/220		
BH (60°-80°)	147.2	3.6	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4
2.5°	950.4	955.3	962.1	971.9	978.7	974.8	977.7	994.3	985.5	993.4	989.5
5°	897.7	902.6	912.4	911.4	919.2	933.8	953.3	974.8	965.1	988.5	997.3
7.5°	843.1	841.1	841.1	861.6	878.2	898.7	909.4	944.6	945.5	966.0	987.5
10°	793.3	799.2	808.9	816.7	832.3	861.6	892.8	920.2	930.9	971.9	977.7
12.5°	763.1	766.0	777.7	784.5	805.0	833.3	866.5	901.6	910.4	952.4	980.7
15°	750.4	757.2	761.1	773.8	784.5	810.9	835.3	875.3	900.7	933.8	969.0
17.5°	760.1	757.2	759.2	763.1	775.8	799.2	825.5	865.5	874.3	929.9	982.6
20°	772.8	773.8	767.9	766.0	763.1	785.5	807.0	858.7	868.5	929.9	991.4
22.5°	807.0	796.2	807.0	791.4	775.8	785.5	806.0	859.7	866.5	929.0	1000.2
25°	848.9	850.9	853.8	820.6	798.2	791.4	812.8	862.6	868.5	936.8	1004.1
27.5°	908.5	917.2	902.6	886.0	841.1	807.0	811.9	860.6	871.4	932.9	1013.8
30°	988.5	981.6	983.6	945.5	901.6	848.0	834.3	865.5	873.3	937.7	1032.4
32.5°	1057.8	1050.0	1063.6	1050.0	980.7	906.5	860.6	875.3	884.1	949.4	1048.0
35°	1100.7	1110.5	1131.9	1146.6	1088.0	982.6	904.6	901.6	905.5	955.3	1059.7
37.5°	1167.0	1184.6	1202.2	1239.3	1188.5	1076.3	973.8	935.8	929.0	983.6	1065.6
40°	1239.3	1234.4	1286.1	1330.0	1328.1	1208.0	1070.4	996.3	986.5	1028.5	1104.6
42.5°	1299.8	1294.9	1352.4	1424.7	1432.5	1334.9	1180.7	1082.2	1073.4	1097.8	1152.4
45°	1378.8	1382.7	1451.0	1536.9	1565.2	1502.7	1330.0	1205.1	1200.2	1192.4	1243.2
47.5°	1449.0	1470.5	1529.1	1630.5	1733.0	1676.4	1505.6	1384.6	1350.5	1332.9	1383.7
50°	1497.8	1517.4	1588.6	1696.9	1884.3	1920.4	1702.8	1575.9	1576.9	1533.9	1561.3
52.5°	1497.8	1496.9	1554.4	1696.9	1989.6	2175.0	1966.2	1816.9	1824.7	1779.8	1781.8
55°	1353.4	1350.5	1420.8	1572.0	1977.9	2420.0	2365.3	2122.3	2102.8	2016.0	2024.8
57.5°	1090.0	1096.8	1150.5	1332.0	1825.7	2534.1	2840.5	2465.8	2399.5	2219.9	2219.9
60°	795.3	789.4	829.4	956.3	1462.7	2491.2	3230.8	2870.8	2766.4	2388.7	2363.4
62.5°	605.0	604.0	614.7	657.7	928.0	2172.1	3398.7	3386.0	3216.2	2554.6	2518.5
65°	488.9	490.8	505.5	535.7	566.9	1481.3	3309.9	4000.7	3845.6	2801.5	2683.4
67.5°	399.1	404.0	421.5	486.9	480.1	767.0	2819.1	4353.0	4382.3	3178.2	2904.9
70°	307.4	315.2	335.7	428.4	462.5	510.3	1954.5	4177.4	4255.4	3412.3	2771.2
72.5°	208.8	207.8	251.8	347.4	467.4	467.4	1088.0	3364.5	3438.7	3146.0	2407.3
75°	113.2	120.0	166.9	262.5	428.4	451.8	619.6	2461.9	2566.3	2446.3	1861.8
77.5°	61.5	62.5	92.7	171.7	356.2	431.3	413.7	1674.5	1715.4	1475.4	1019.7
80°	32.2	33.2	48.8	112.2	245.9	400.1	344.5	998.2	959.2	566.0	336.6
82.5°	14.6	15.6	24.4	70.3	157.1	315.2	297.6	482.0	445.0	158.1	102.5
85°	5.9	5.9	10.7	42.0	91.7	155.2	254.7	242.0	202.0	47.8	50.7
87.5°	2.0	2.0	2.9	16.6	37.1	92.7	135.6	127.8	87.8	17.6	27.3
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°	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4
2.5°	985.5	996.3	993.4	991.4	972.9	970.9	969.0	951.4	957.3	942.6	952.4
5°	991.4	997.3	981.6	952.4	926.0	896.8	874.3	858.7	830.4	819.7	817.7
7.5°	985.5	985.5	953.3	906.5	854.8	807.0	746.5	703.5	671.3	646.9	655.7
10°	977.7	966.0	932.9	849.9	756.2	684.0	597.2	533.8	485.9	470.3	460.6
12.5°	977.7	957.3	883.1	769.9	648.9	539.6	436.2	353.2	307.4	280.1	276.1
15°	969.0	938.7	847.0	694.8	544.5	396.2	278.1	206.9	167.8	157.1	153.2
17.5°	970.9	934.8	793.3	606.0	422.5	263.5	169.8	130.8	121.0	116.1	117.1
20°	974.8	934.8	745.5	519.1	304.4	163.9	117.1	110.3	105.4	103.4	104.4
22.5°	987.5	916.3	696.7	430.3	205.9	118.1	103.4	96.6	92.7	89.8	88.8
25°	989.5	913.3	649.9	342.5	141.5	99.5	90.7	82.9	78.1	74.2	73.2
27.5°	986.5	900.7	584.5	254.7	106.4	88.8	77.1	69.3	62.5	59.5	58.5
30°	997.3	877.2	528.9	183.4	89.8	77.1	65.4	56.6	50.7	46.8	46.8
32.5°	998.2	856.7	467.4	130.8	82.0	68.3	55.6	45.9	40.0	38.1	38.1
35°	999.2	838.2	399.1	99.5	73.2	58.5	45.9	38.1	34.2	31.2	31.2
37.5°	1002.1	824.5	336.6	83.9	65.4	49.8	38.1	31.2	27.3	26.3	26.3
40°	1008.0	806.0	271.3	74.2	56.6	42.0	32.2	26.3	22.4	21.5	20.5
42.5°	1023.6	801.1	216.6	66.4	50.7	35.1	26.3	21.5	18.5	16.6	15.6
45°	1088.0	813.8	167.8	61.5	42.9	29.3	22.4	17.6	13.7	12.7	11.7
47.5°	1193.4	855.8	132.7	54.6	36.1	24.4	18.5	13.7	10.7	9.8	8.8
50°	1353.4	951.4	108.3	48.8	30.2	20.5	14.6	10.7	7.8	6.8	6.8
52.5°	1563.2	1080.2	93.7	42.9	24.4	17.6	11.7	7.8	5.9	4.9	4.9
55°	1777.9	1232.4	87.8	37.1	20.5	14.6	8.8	5.9	3.9	2.9	2.9
57.5°	1975.0	1331.0	84.9	30.2	17.6	10.7	6.8	3.9	2.0	1.0	1.0
60°	2098.0	1403.2	76.1	24.4	13.7	8.8	4.9	2.0	1.0	0.0	0.0
62.5°	2259.9	1476.4	62.5	18.5	9.8	5.9	2.9	1.0	0.0	0.0	0.0
65°	2473.6	1558.3	48.8	14.6	7.8	3.9	2.0	1.0	0.0	0.0	0.0
67.5°	2576.1	1515.4	33.2	10.7	4.9	2.0	1.0	0.0	0.0	0.0	0.0
70°	2371.2	1276.3	23.4	7.8	2.9	1.0	1.0	0.0	0.0	0.0	0.0
72.5°	1993.5	1000.2	17.6	4.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	1469.5	625.5	13.7	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	779.7	233.2	9.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	230.3	68.3	6.8	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	76.1	20.5	3.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.0	7.8	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.4	2.9	2.0	2.0	1.0	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)