

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: P676878

Luminaire Tested: **CCW-SA-2A-760-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676878
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-760-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) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

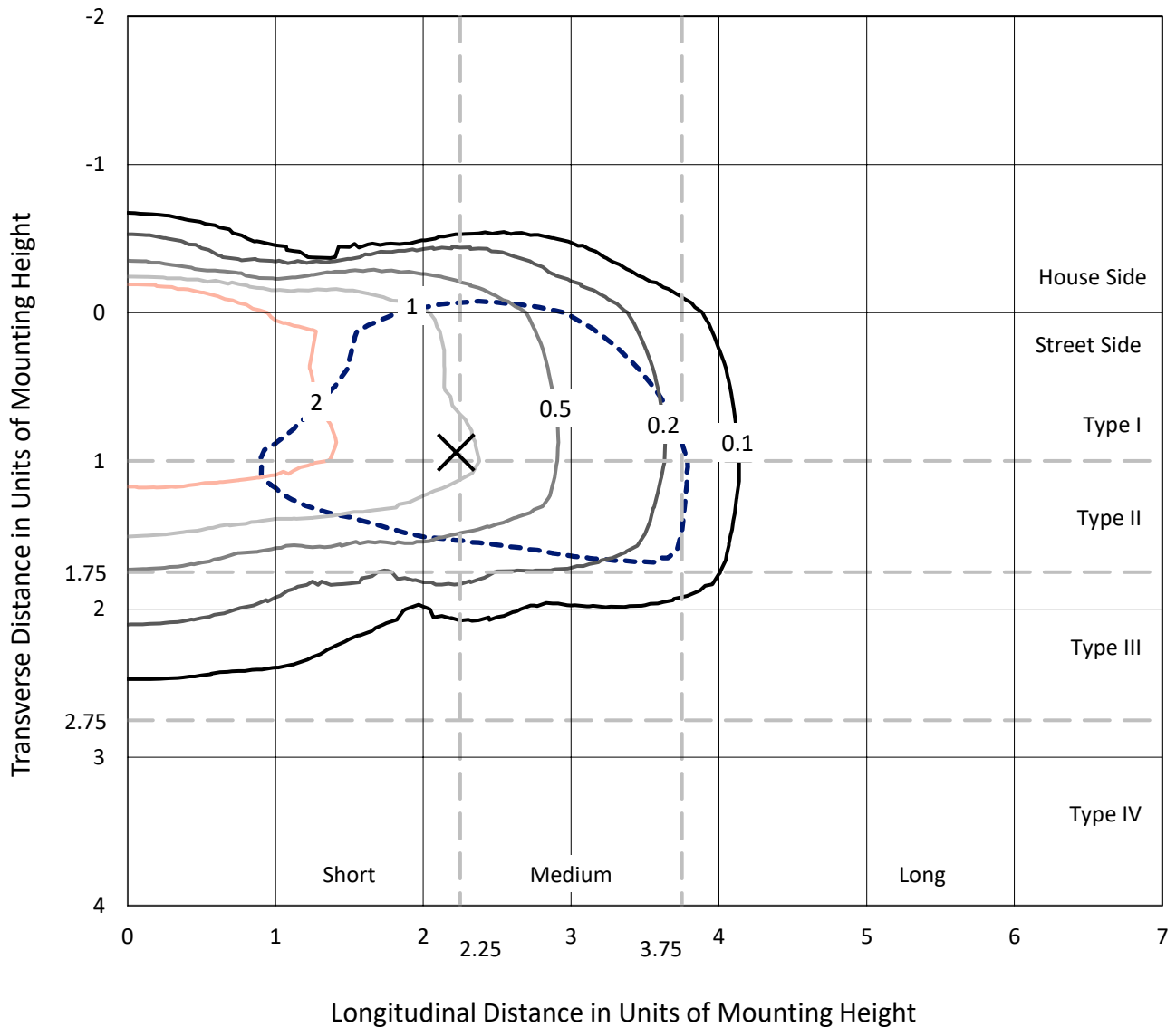
Lumens per Lamp: N/A
Luminaire Lumens: 4500.8 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (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

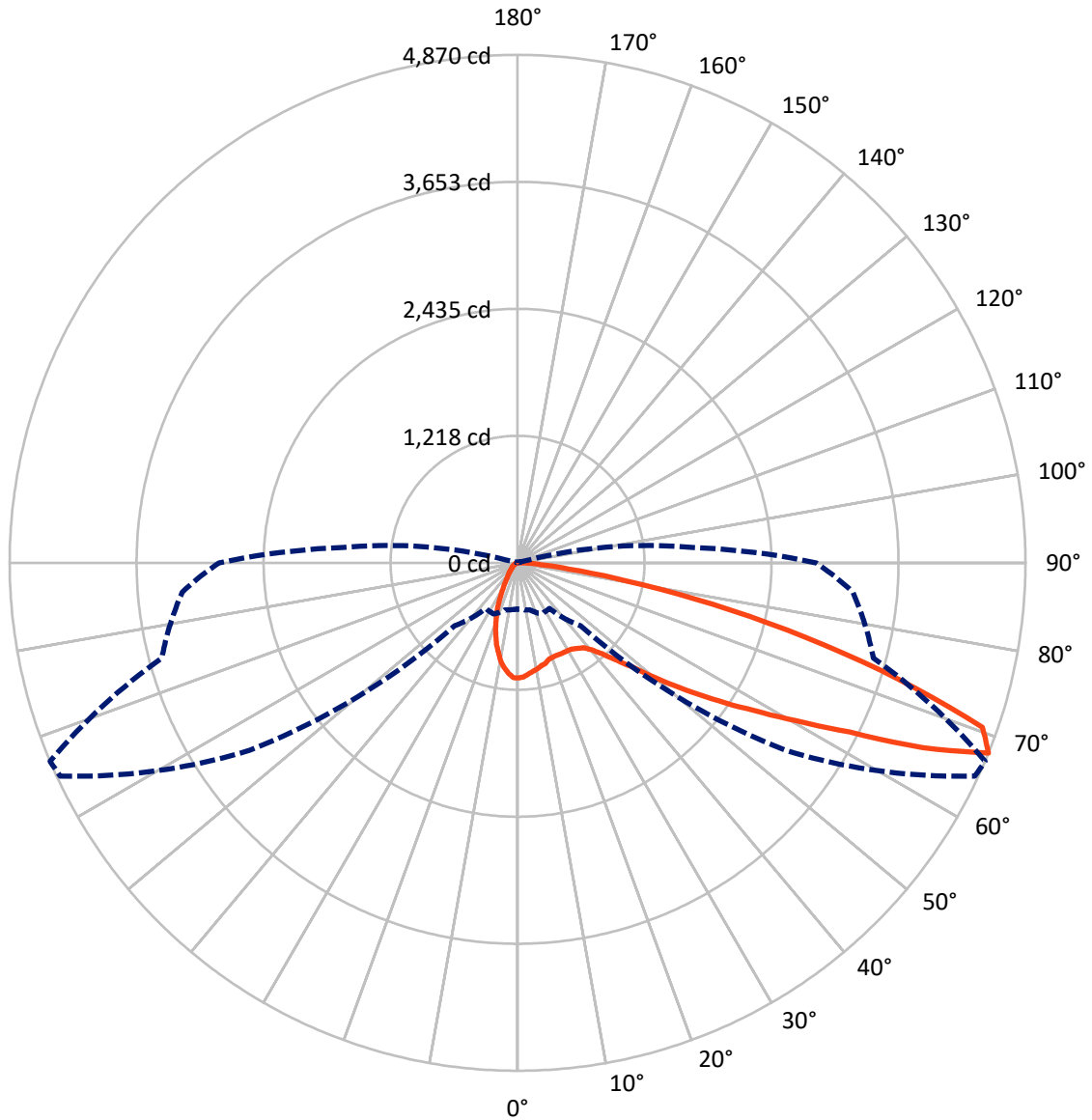
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 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	566.5	0.0	566.5
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3934.4	0.0	3934.4
	% Fixture	87.4	0.0	87.4
Total	Lumens	4500.8	0.0	4500.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	2.1
10°-20°	206.6	4.6
20°-30°	293.8	6.5
30°-40°	427.8	9.5
40°-50°	662.2	14.7
50°-60°	1016.2	22.6
60°-70°	1101.6	24.5
70°-80°	621.5	13.8
80°-90°	78.1	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°	4500.8	100.0
0°-180°	4500.8	100.0

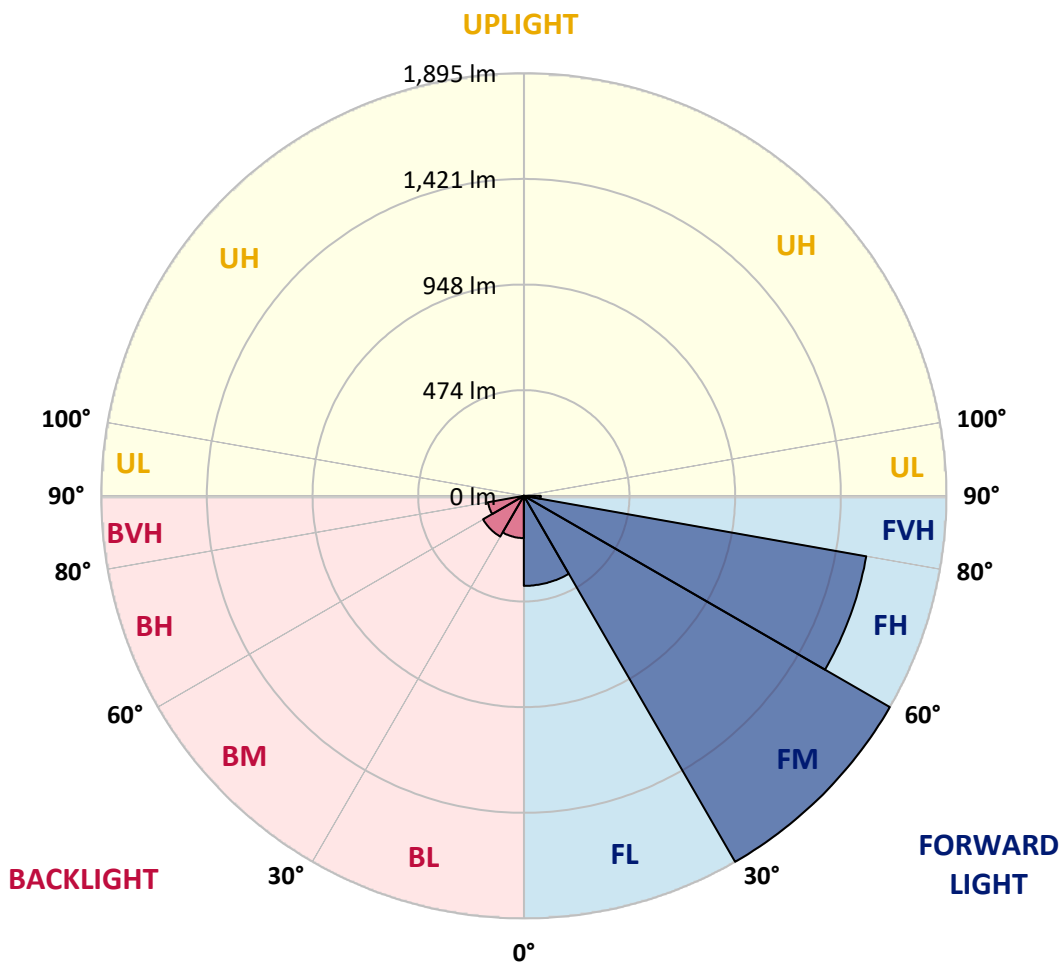


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	403.8	9.0			
FM (30°-60°)	1895.2	42.1			
FH (60°-80°)	1559.4	34.6			G1/1800
FVH (80°-90°)	75.8	1.7			G1/100
BL (0°-30°)	189.6	4.2	B1/500		
BM (30°-60°)	211.0	4.7	B0/220		
BH (60°-80°)	163.6	3.6	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0
2.5°	1056.2	1061.7	1069.3	1080.1	1087.7	1083.4	1086.6	1105.0	1095.3	1104.0	1099.6
5°	997.7	1003.1	1014.0	1012.9	1021.5	1037.8	1059.5	1083.4	1072.5	1098.5	1108.3
7.5°	937.0	934.8	934.8	957.6	976.0	998.8	1010.7	1049.7	1050.8	1073.6	1097.5
10°	881.7	888.2	899.0	907.7	925.0	957.6	992.3	1022.6	1034.6	1080.1	1086.6
12.5°	848.0	851.3	864.3	871.9	894.7	926.1	963.0	1002.0	1011.8	1058.4	1089.9
15°	833.9	841.5	845.9	860.0	871.9	901.2	928.3	972.7	1000.9	1037.8	1076.9
17.5°	844.8	841.5	843.7	848.0	862.1	888.2	917.4	961.9	971.7	1033.5	1092.0
20°	858.9	860.0	853.5	851.3	848.0	873.0	896.8	954.3	965.2	1033.5	1101.8
22.5°	896.8	884.9	896.8	879.5	862.1	873.0	895.8	955.4	963.0	1032.4	1111.6
25°	943.5	945.6	948.9	912.0	887.1	879.5	903.3	958.6	965.2	1041.1	1115.9
27.5°	1009.6	1019.4	1003.1	984.7	934.8	896.8	902.3	956.5	968.4	1036.7	1126.7
30°	1098.5	1091.0	1093.1	1050.8	1002.0	942.4	927.2	961.9	970.6	1042.2	1147.3
32.5°	1175.5	1166.9	1182.0	1166.9	1089.9	1007.4	956.5	972.7	982.5	1055.2	1164.7
35°	1223.3	1234.1	1258.0	1274.2	1209.2	1092.0	1005.3	1002.0	1006.4	1061.7	1177.7
37.5°	1297.0	1316.5	1336.0	1377.2	1320.9	1196.1	1082.3	1040.0	1032.4	1093.1	1184.2
40°	1377.2	1371.8	1429.3	1478.1	1475.9	1342.5	1189.6	1107.2	1096.4	1143.0	1227.6
42.5°	1444.5	1439.1	1503.0	1583.3	1592.0	1483.5	1312.2	1202.6	1192.9	1220.0	1280.7
45°	1532.3	1536.7	1612.6	1708.0	1739.4	1670.0	1478.1	1339.3	1333.9	1325.2	1381.6
47.5°	1610.4	1634.3	1699.3	1812.1	1926.0	1863.1	1673.3	1538.8	1500.9	1481.4	1537.7
50°	1664.6	1686.3	1765.5	1885.8	2094.1	2134.2	1892.4	1751.4	1752.5	1704.7	1735.1
52.5°	1664.6	1663.5	1727.5	1885.8	2211.2	2417.2	2185.2	2019.2	2027.9	1978.0	1980.2
55°	1504.1	1500.9	1579.0	1747.0	2198.2	2689.4	2628.7	2358.7	2337.0	2240.5	2250.2
57.5°	1211.3	1218.9	1278.6	1480.3	2029.0	2816.3	3156.8	2740.4	2666.7	2467.1	2467.1
60°	883.8	877.3	921.8	1062.8	1625.6	2768.6	3590.6	3190.4	3074.4	2654.7	2626.5
62.5°	672.4	671.3	683.2	730.9	1031.3	2414.0	3777.1	3763.0	3574.3	2839.1	2799.0
65°	543.3	545.5	561.7	595.4	630.1	1646.2	3678.4	4446.2	4273.8	3113.4	2982.2
67.5°	443.5	449.0	468.5	541.1	533.5	852.4	3133.0	4837.7	4870.2	3532.0	3228.4
70°	341.6	350.3	373.0	476.1	514.0	567.2	2172.1	4642.5	4729.3	3792.3	3079.8
72.5°	232.1	231.0	279.8	386.1	519.4	519.4	1209.2	3739.2	3821.6	3496.3	2675.3
75°	125.8	133.4	185.4	291.7	476.1	502.1	688.6	2736.1	2852.1	2718.7	2069.1
77.5°	68.3	69.4	103.0	190.9	395.8	479.3	459.8	1860.9	1906.5	1639.7	1133.2
80°	35.8	36.9	54.2	124.7	273.3	444.6	382.8	1109.4	1066.0	629.0	374.1
82.5°	16.3	17.4	27.1	78.1	174.6	350.3	330.8	535.7	494.5	175.7	113.9
85°	6.5	6.5	11.9	46.6	101.9	172.4	283.0	268.9	224.5	53.1	56.4
87.5°	2.2	2.2	3.3	18.4	41.2	103.0	150.7	142.1	97.6	19.5	30.4
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°	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0	1104.0
2.5°	1095.3	1107.2	1104.0	1101.8	1081.2	1079.0	1076.9	1057.3	1063.8	1047.6	1058.4
5°	1101.8	1108.3	1091.0	1058.4	1029.1	996.6	971.7	954.3	922.9	910.9	908.8
7.5°	1095.3	1095.3	1059.5	1007.4	950.0	896.8	829.6	781.9	746.1	719.0	728.7
10°	1086.6	1073.6	1036.7	944.6	840.4	760.2	663.7	593.2	540.1	522.7	511.9
12.5°	1086.6	1063.8	981.4	855.6	721.2	599.7	484.7	392.6	341.6	311.2	306.9
15°	1076.9	1043.2	941.3	772.1	605.1	440.3	309.1	229.9	186.5	174.6	170.3
17.5°	1079.0	1038.9	881.7	673.4	469.6	292.8	188.7	145.3	134.5	129.0	130.1
20°	1083.4	1038.9	828.5	576.9	338.3	182.2	130.1	122.5	117.1	115.0	116.0
22.5°	1097.5	1018.3	774.3	478.2	228.8	131.2	115.0	107.4	103.0	99.8	98.7
25°	1099.6	1015.0	722.2	380.6	157.2	110.6	100.9	92.2	86.8	82.4	81.3
27.5°	1096.4	1000.9	649.6	283.0	118.2	98.7	85.7	77.0	69.4	66.2	65.1
30°	1108.3	974.9	587.8	203.9	99.8	85.7	72.7	62.9	56.4	52.1	52.1
32.5°	1109.4	952.1	519.4	145.3	91.1	75.9	61.8	51.0	44.5	42.3	42.3
35°	1110.5	931.5	443.5	110.6	81.3	65.1	51.0	42.3	38.0	34.7	34.7
37.5°	1113.7	916.4	374.1	93.3	72.7	55.3	42.3	34.7	30.4	29.3	29.3
40°	1120.2	895.8	301.5	82.4	62.9	46.6	35.8	29.3	24.9	23.9	22.8
42.5°	1137.6	890.3	240.7	73.7	56.4	39.0	29.3	23.9	20.6	18.4	17.4
45°	1209.2	904.4	186.5	68.3	47.7	32.5	24.9	19.5	15.2	14.1	13.0
47.5°	1326.3	951.1	147.5	60.7	40.1	27.1	20.6	15.2	11.9	10.8	9.8
50°	1504.1	1057.3	120.4	54.2	33.6	22.8	16.3	11.9	8.7	7.6	7.6
52.5°	1737.3	1200.5	104.1	47.7	27.1	19.5	13.0	8.7	6.5	5.4	5.4
55°	1975.9	1369.7	97.6	41.2	22.8	16.3	9.8	6.5	4.3	3.3	3.3
57.5°	2194.9	1479.2	94.3	33.6	19.5	11.9	7.6	4.3	2.2	1.1	1.1
60°	2331.6	1559.4	84.6	27.1	15.2	9.8	5.4	2.2	1.1	0.0	0.0
62.5°	2511.6	1640.8	69.4	20.6	10.8	6.5	3.3	1.1	0.0	0.0	0.0
65°	2749.1	1731.9	54.2	16.3	8.7	4.3	2.2	1.1	0.0	0.0	0.0
67.5°	2862.9	1684.1	36.9	11.9	5.4	2.2	1.1	0.0	0.0	0.0	0.0
70°	2635.2	1418.5	26.0	8.7	3.3	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	2215.5	1111.6	19.5	5.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
75°	1633.2	695.1	15.2	4.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	866.5	259.2	10.8	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	255.9	75.9	7.6	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	84.6	22.8	4.3	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	43.4	8.7	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.9	3.3	2.2	2.2	1.1	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)