

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: P675611

Luminaire Tested: **CCW-SA-1C-835-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675611
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-835-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL3 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

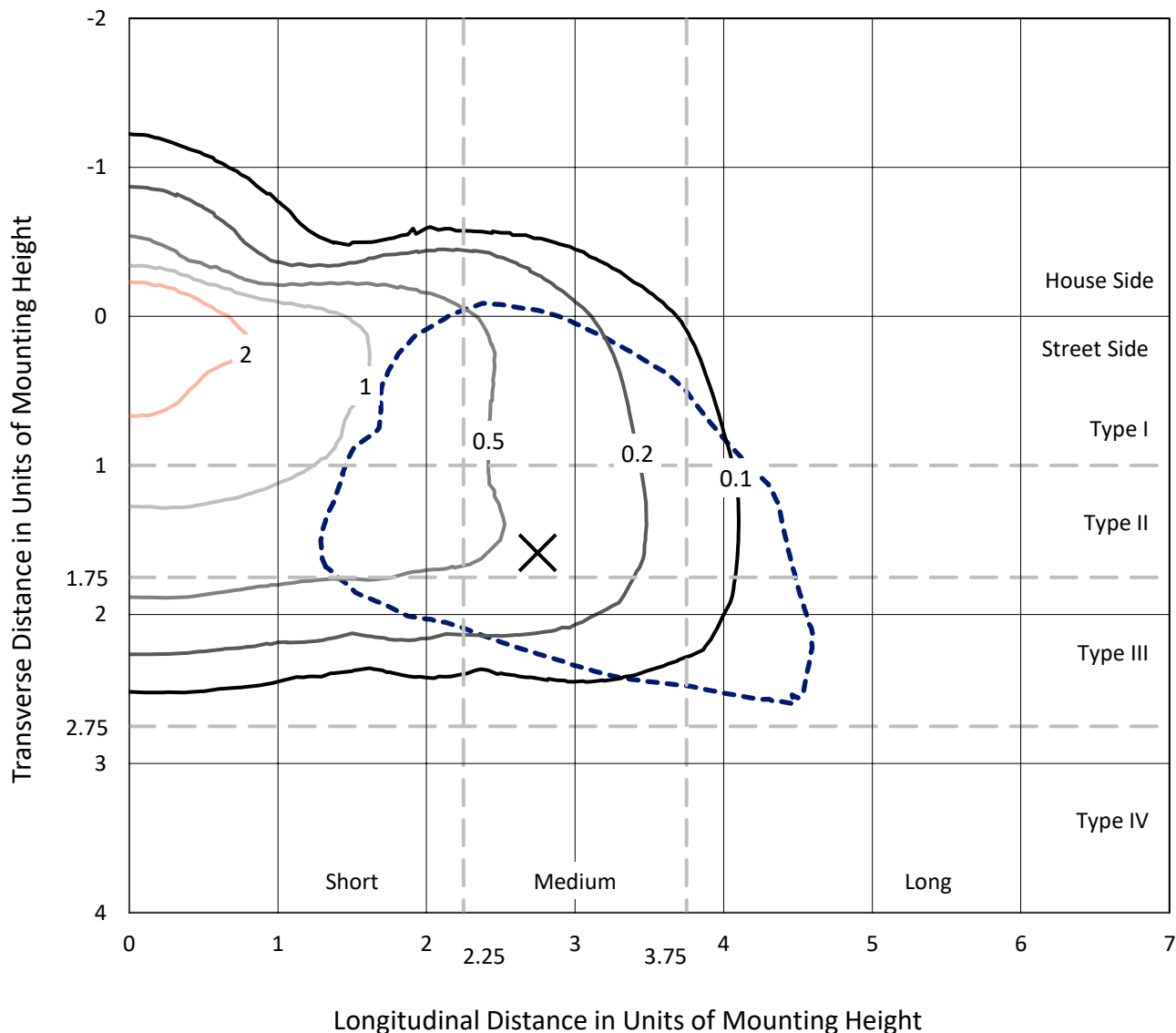
Lumens per Lamp: N/A
Luminaire Lumens: 3683.6 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 32
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

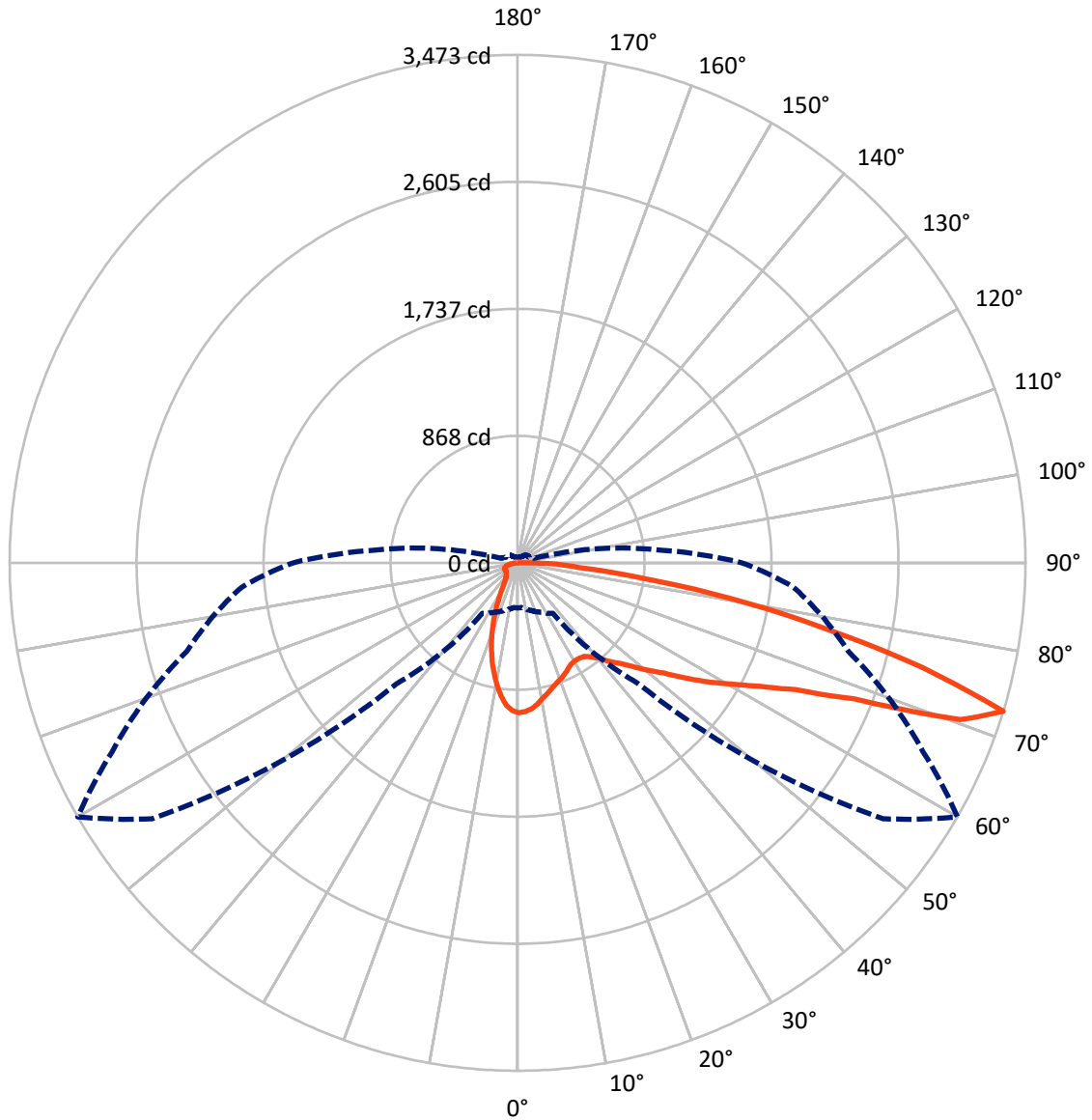
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	632.8	0.0	632.8
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	3050.8	0.0	3050.8
	% Fixture	82.8	0.0	82.8
Total	Lumens	3683.6	0.0	3683.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	2.4
10°-20°	201.6	5.5
20°-30°	258.0	7.0
30°-40°	330.1	9.0
40°-50°	452.7	12.3
50°-60°	654.8	17.8
60°-70°	898.2	24.4
70°-80°	674.0	18.3
80°-90°	125.3	3.4
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°	3683.6	100.0
0°-180°	3683.6	100.0

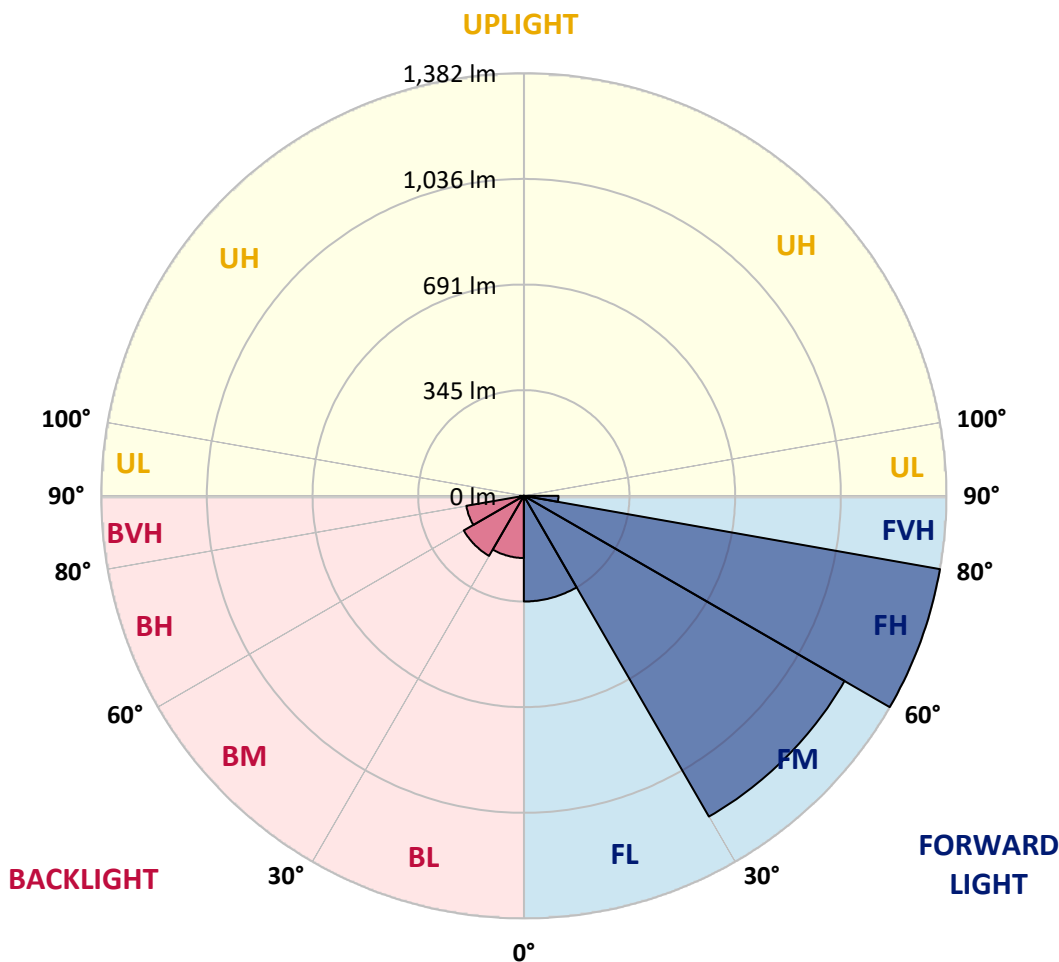


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.4	9.4			
FM	(30°-60°)	1210.8	32.9			
FH	(60°-80°)	1381.6	37.5			G1/1800
FVH	(80°-90°)	113.1	3.1			G2/225
BL	(0°-30°)	203.1	5.5	B1/500		
BM	(30°-60°)	226.8	6.2	B1/1000		
BH	(60°-80°)	190.7	5.2	B1/500		G1/500
BVH	(80°-90°)	12.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7
2.5°	1003.8	1013.4	1016.1	1016.1	1024.3	1014.7	1028.4	1017.5	1020.2	1024.3	1021.6
5°	955.8	972.2	962.6	980.4	973.6	985.9	1002.4	1002.4	998.3	1006.5	999.6
7.5°	909.1	903.7	920.1	920.1	931.1	947.5	961.2	975.0	976.3	979.1	977.7
10°	846.1	852.9	861.1	872.1	885.8	902.3	931.1	942.0	944.8	961.2	957.1
12.5°	794.0	803.5	809.0	831.0	843.3	866.6	899.5	914.6	916.0	939.3	939.3
15°	755.6	761.0	773.4	781.6	809.0	841.9	873.5	887.2	902.3	927.0	920.1
17.5°	729.5	736.4	741.8	752.8	778.9	806.3	855.7	863.9	881.7	917.4	909.1
20°	714.4	715.8	724.0	730.9	754.2	780.2	824.1	846.1	869.4	900.9	892.7
22.5°	717.2	711.7	710.3	719.9	724.0	748.7	802.2	825.5	858.4	895.4	881.7
25°	722.6	724.0	721.3	713.0	714.4	736.4	772.0	802.2	839.2	894.1	866.6
27.5°	736.4	743.2	732.2	724.0	715.8	724.0	761.0	783.0	824.1	900.9	865.3
30°	750.1	756.9	754.2	741.8	725.4	722.6	748.7	776.1	815.9	906.4	865.3
32.5°	770.6	780.2	770.6	774.8	755.6	743.2	752.8	777.5	824.1	925.6	866.6
35°	794.0	802.2	804.9	795.3	791.2	767.9	773.4	785.7	832.3	947.5	880.3
37.5°	820.0	829.6	837.8	839.2	825.5	811.8	809.0	815.9	852.9	985.9	895.4
40°	837.8	843.3	859.8	873.5	877.6	858.4	857.0	857.0	889.9	1020.2	922.8
42.5°	868.0	865.3	888.6	913.2	920.1	909.1	911.9	922.8	942.0	1069.6	966.7
45°	883.1	880.3	907.8	948.9	980.4	975.0	977.7	981.8	999.6	1147.7	1040.8
47.5°	903.7	906.4	946.2	992.8	1025.7	1044.9	1060.0	1058.6	1072.3	1227.3	1123.1
50°	924.2	929.7	977.7	1027.1	1084.7	1117.6	1139.5	1154.6	1168.3	1310.9	1217.7
52.5°	964.0	969.5	1022.9	1076.4	1150.5	1198.5	1253.3	1251.9	1253.3	1394.6	1312.3
55°	1021.6	1022.9	1054.5	1116.2	1216.3	1304.1	1379.5	1387.7	1364.4	1498.8	1420.6
57.5°	1087.4	1092.9	1120.3	1166.9	1268.4	1405.5	1520.7	1537.2	1474.1	1583.8	1519.3
60°	1149.1	1153.2	1195.7	1249.2	1358.9	1533.1	1663.3	1682.5	1614.0	1688.0	1622.2
62.5°	1079.2	1099.7	1175.2	1297.2	1518.0	1726.4	1844.3	1856.7	1749.7	1793.6	1731.9
65°	863.9	877.6	985.9	1183.4	1528.9	2077.4	2124.1	2091.1	1936.2	1929.3	1897.8
67.5°	481.3	492.3	566.3	773.4	1287.6	2209.1	2726.0	2484.7	2225.5	2133.7	2122.7
70°	379.8	382.6	392.2	434.7	714.4	1947.2	3200.5	3211.5	2698.6	2414.8	2170.7
72.5°	308.5	307.2	336.0	373.0	422.3	1168.3	3051.0	3473.4	3060.6	2340.7	1890.9
75°	235.9	240.0	277.0	330.5	386.7	549.9	2276.3	2857.7	2867.3	2181.7	1594.8
77.5°	179.6	181.0	222.1	292.1	378.5	388.1	1485.1	2129.5	2139.1	1689.4	879.0
80°	134.4	134.4	168.7	246.8	368.9	357.9	914.6	1476.8	1337.0	593.7	192.0
82.5°	76.8	82.3	112.4	187.9	334.6	344.2	515.6	846.1	565.0	161.8	89.1
85°	41.1	42.5	68.6	126.2	275.6	329.1	393.5	421.0	224.9	86.4	41.1
87.5°	15.1	15.1	31.5	64.4	174.1	244.1	312.6	268.8	128.9	39.8	20.6
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°	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7	1025.7
2.5°	1024.3	1018.8	1014.7	1018.8	1003.8	996.9	1005.1	1001.0	992.8	988.7	985.9
5°	1003.8	996.9	990.0	985.9	969.5	953.0	944.8	928.3	914.6	918.7	910.5
7.5°	981.8	975.0	954.4	935.2	902.3	869.4	854.3	831.0	822.7	815.9	811.8
10°	954.4	942.0	910.5	872.1	824.1	787.1	748.7	721.3	692.5	680.1	684.3
12.5°	920.1	913.2	863.9	804.9	737.7	676.0	630.8	586.9	548.5	527.9	522.4
15°	905.0	884.5	813.1	735.0	650.0	573.2	506.0	429.2	383.9	362.0	362.0
17.5°	888.6	850.2	765.2	658.2	560.8	462.1	367.5	297.6	261.9	249.6	249.6
20°	862.5	820.0	708.9	585.5	467.6	348.3	263.3	224.9	213.9	205.7	207.1
22.5°	843.3	791.2	656.8	514.2	370.2	259.2	207.1	194.7	190.6	187.9	189.2
25°	821.4	756.9	602.0	437.4	290.7	204.3	179.6	174.1	176.9	178.3	178.3
27.5°	803.5	728.1	545.8	355.2	219.4	172.8	161.8	160.4	165.9	168.7	170.0
30°	791.2	702.1	490.9	279.7	175.5	153.6	148.1	148.1	155.0	157.7	159.1
32.5°	778.9	680.1	431.9	213.9	149.5	137.1	135.8	137.1	141.2	141.2	142.6
35°	783.0	659.6	375.7	172.8	134.4	126.2	126.2	126.2	127.5	128.9	128.9
37.5°	791.2	654.1	315.4	145.4	123.4	117.9	117.9	116.6	117.9	116.6	117.9
40°	799.4	645.9	260.5	128.9	116.6	112.4	111.1	108.3	107.0	107.0	108.3
42.5°	833.7	656.8	213.9	117.9	111.1	108.3	104.2	101.5	100.1	100.1	100.1
45°	877.6	677.4	176.9	112.4	107.0	100.1	97.4	96.0	93.2	94.6	96.0
47.5°	943.4	708.9	155.0	108.3	102.8	94.6	91.9	89.1	89.1	91.9	91.9
50°	1029.8	761.0	141.2	104.2	98.7	90.5	86.4	85.0	85.0	89.1	89.1
52.5°	1123.1	821.4	135.8	102.8	94.6	86.4	82.3	80.9	80.9	86.4	86.4
55°	1216.3	895.4	139.9	102.8	91.9	82.3	78.2	75.4	76.8	80.9	80.9
57.5°	1319.1	975.0	160.4	102.8	89.1	80.9	75.4	71.3	72.7	74.0	74.0
60°	1431.6	1079.2	196.1	102.8	87.8	78.2	71.3	65.8	65.8	67.2	67.2
62.5°	1545.4	1182.0	246.8	104.2	89.1	76.8	65.8	60.3	59.0	60.3	60.3
65°	1694.9	1346.6	297.6	104.2	93.2	74.0	61.7	54.8	53.5	53.5	54.8
67.5°	1904.7	1464.5	230.4	100.1	96.0	74.0	57.6	50.7	48.0	48.0	48.0
70°	1793.6	1235.5	146.7	93.2	91.9	76.8	54.8	46.6	43.9	42.5	42.5
72.5°	1535.8	988.7	117.9	87.8	85.0	75.4	52.1	43.9	39.8	38.4	38.4
75°	1231.4	780.2	102.8	79.5	74.0	63.1	48.0	39.8	37.0	34.3	34.3
77.5°	603.3	326.4	78.2	69.9	63.1	48.0	42.5	37.0	32.9	30.2	30.2
80°	150.8	113.8	57.6	54.8	46.6	37.0	34.3	31.5	28.8	26.1	26.1
82.5°	80.9	67.2	41.1	37.0	31.5	26.1	26.1	24.7	23.3	20.6	19.2
85°	41.1	39.8	27.4	24.7	20.6	16.5	17.8	17.8	16.5	12.3	12.3
87.5°	21.9	21.9	13.7	11.0	9.6	8.2	8.2	8.2	6.9	5.5	5.5
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)