

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: P675533

Luminaire Tested: **CCW-SA-1B-730-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675533
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-730-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL3 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

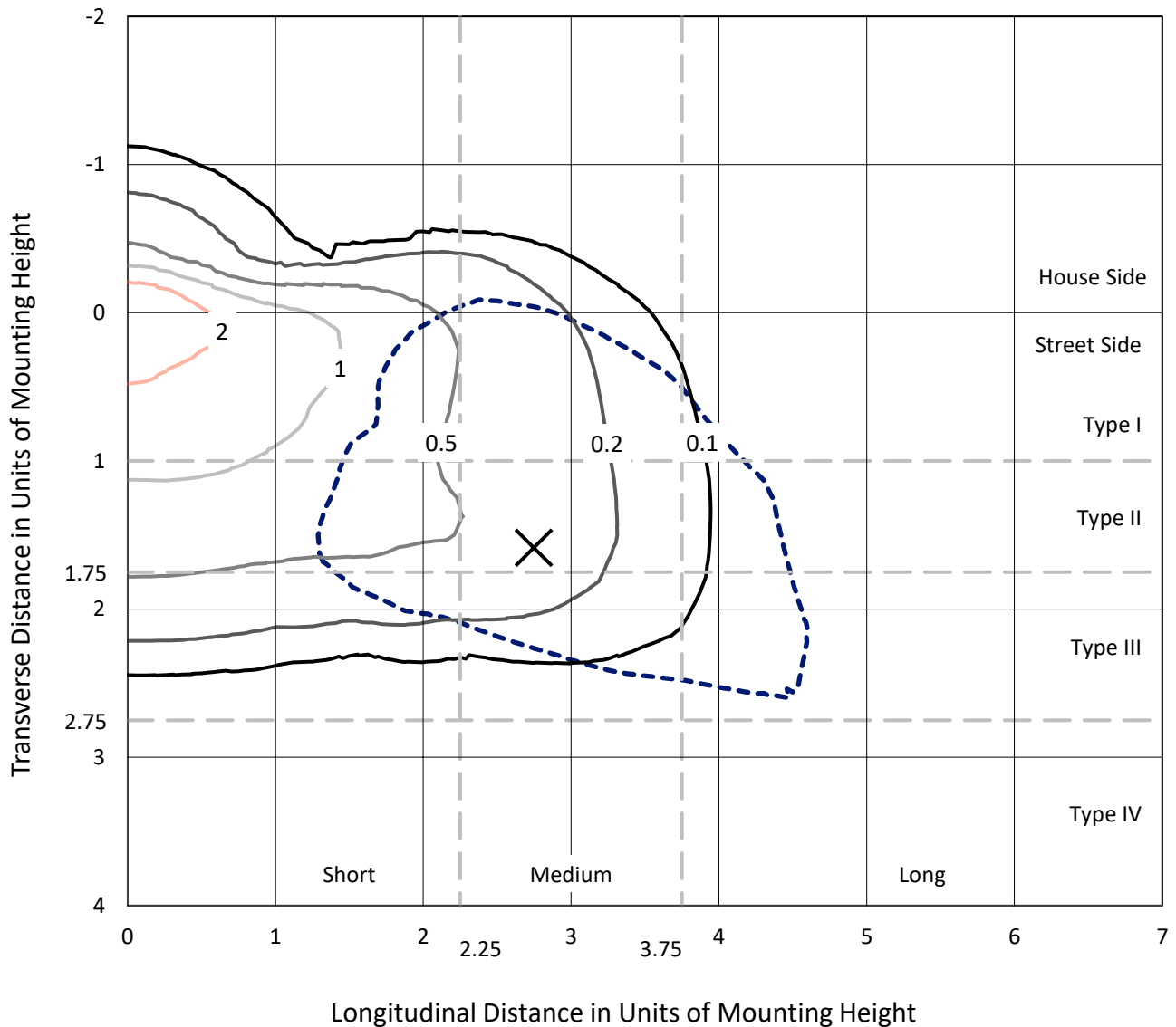
Lumens per Lamp: N/A
Luminaire Lumens: 3109.4 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

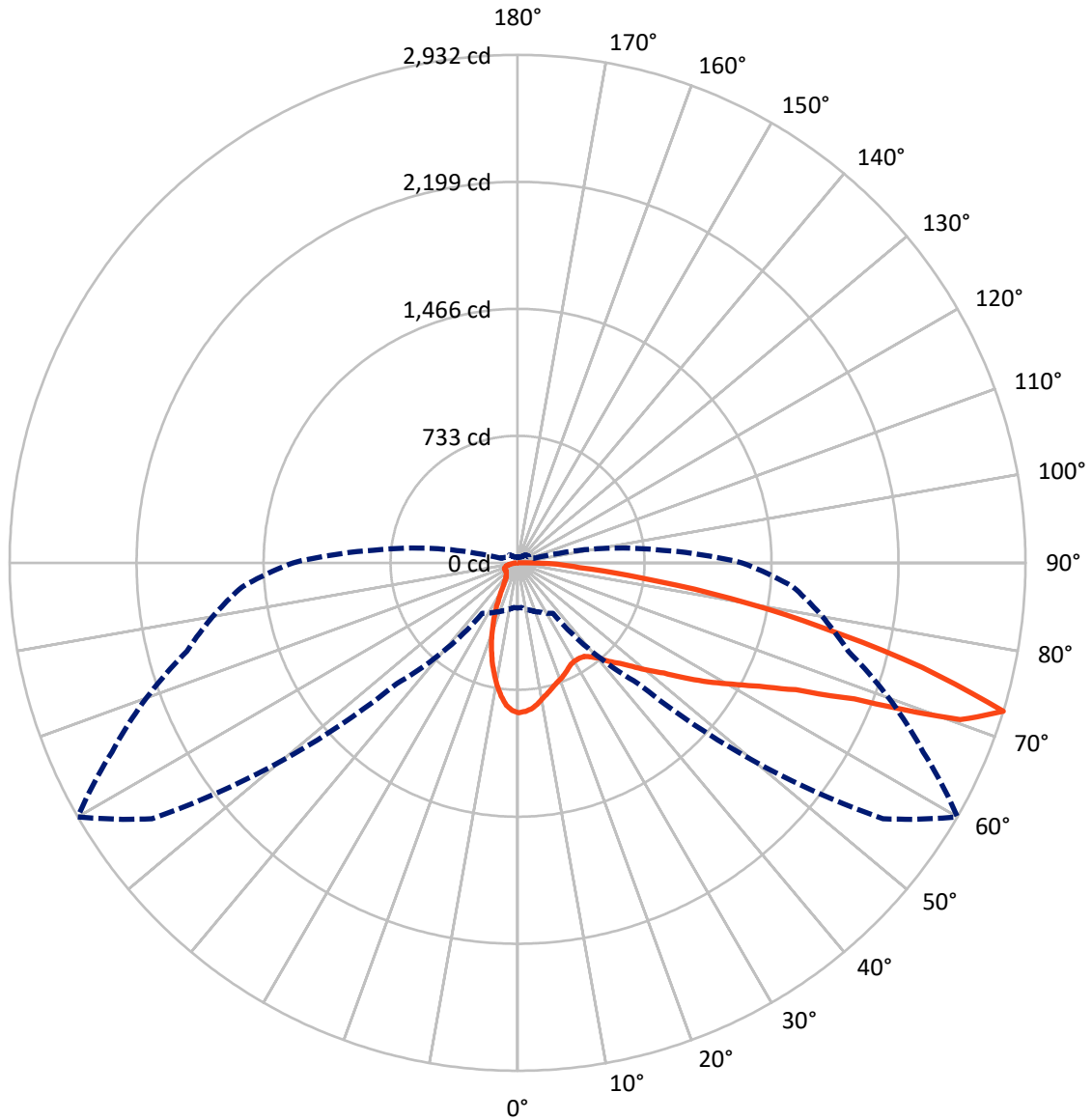
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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	534.1	0.0	534.1
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	2575.3	0.0	2575.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	3109.4	0.0	3109.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	2.4
10°-20°	170.2	5.5
20°-30°	217.8	7.0
30°-40°	278.6	9.0
40°-50°	382.1	12.3
50°-60°	552.7	17.8
60°-70°	758.2	24.4
70°-80°	569.0	18.3
80°-90°	105.7	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°	3109.4	100.0
0°-180°	3109.4	100.0

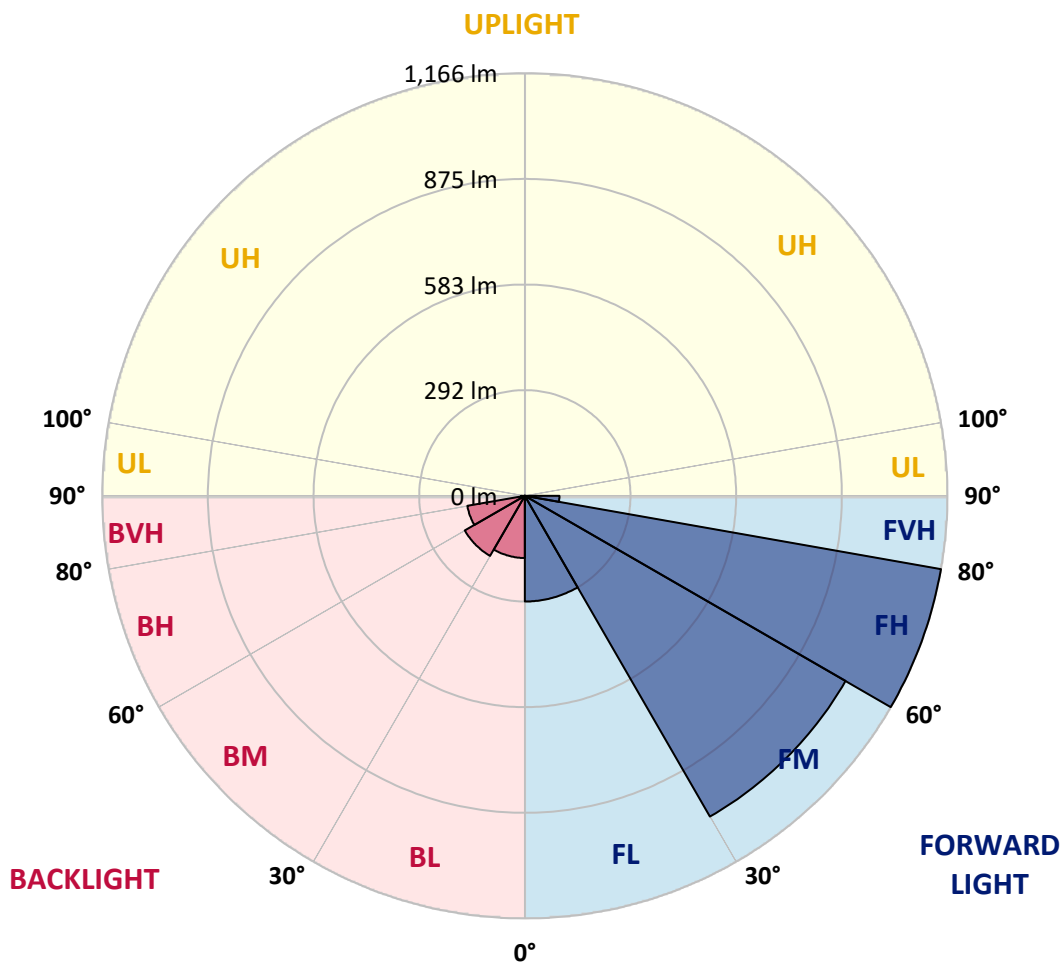


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.6	9.4			
FM (30°-60°)	1022.0	32.9			
FH (60°-80°)	1166.2	37.5			G1/1800
FVH (80°-90°)	95.4	3.1			G1/100
BL (0°-30°)	171.5	5.5	B1/500		
BM (30°-60°)	191.4	6.2	B0/220		
BH (60°-80°)	161.0	5.2	B1/500		G1/500
BVH (80°-90°)	10.3	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8
2.5°	847.3	855.4	857.7	857.7	864.7	856.6	868.1	858.9	861.2	864.7	862.4
5°	806.8	820.7	812.6	827.6	821.8	832.3	846.1	846.1	842.7	849.6	843.8
7.5°	767.4	762.8	776.7	776.7	786.0	799.8	811.4	823.0	824.2	826.5	825.3
10°	714.2	720.0	726.9	736.2	747.8	761.6	786.0	795.2	797.5	811.4	807.9
12.5°	670.2	678.3	682.9	701.5	711.9	731.6	759.3	772.1	773.2	792.9	792.9
15°	637.8	642.4	652.8	659.8	682.9	710.7	737.3	748.9	761.6	782.5	776.7
17.5°	615.8	621.6	626.2	635.5	657.5	680.6	722.3	729.2	744.3	774.4	767.4
20°	603.1	604.2	611.2	617.0	636.6	658.6	695.7	714.2	733.9	760.5	753.5
22.5°	605.4	600.8	599.6	607.7	611.2	632.0	677.1	696.8	724.6	755.9	744.3
25°	610.0	611.2	608.9	601.9	603.1	621.6	651.7	677.1	708.4	754.7	731.6
27.5°	621.6	627.4	618.1	611.2	604.2	611.2	642.4	660.9	695.7	760.5	730.4
30°	633.2	639.0	636.6	626.2	612.3	610.0	632.0	655.2	688.7	765.1	730.4
32.5°	650.5	658.6	650.5	654.0	637.8	627.4	635.5	656.3	695.7	781.3	731.6
35°	670.2	677.1	679.5	671.4	667.9	648.2	652.8	663.3	702.6	799.8	743.1
37.5°	692.2	700.3	707.2	708.4	696.8	685.3	682.9	688.7	720.0	832.3	755.9
40°	707.2	711.9	725.8	737.3	740.8	724.6	723.4	723.4	751.2	861.2	779.0
42.5°	732.7	730.4	750.1	770.9	776.7	767.4	769.8	779.0	795.2	902.9	816.1
45°	745.4	743.1	766.3	801.0	827.6	823.0	825.3	828.8	843.8	968.8	878.6
47.5°	762.8	765.1	798.7	838.0	865.8	882.0	894.8	893.6	905.2	1036.0	948.0
50°	780.2	784.8	825.3	867.0	915.6	943.4	961.9	974.6	986.2	1106.6	1027.9
52.5°	813.7	818.4	863.5	908.7	971.2	1011.7	1058.0	1056.8	1058.0	1177.2	1107.7
55°	862.4	863.5	890.1	942.2	1026.7	1100.8	1164.5	1171.4	1151.7	1265.2	1199.2
57.5°	917.9	922.5	945.7	985.0	1070.7	1186.5	1283.7	1297.6	1244.3	1336.9	1282.5
60°	970.0	973.5	1009.4	1054.5	1147.1	1294.1	1404.1	1420.3	1362.4	1424.9	1369.3
62.5°	911.0	928.3	992.0	1095.0	1281.4	1457.3	1556.9	1567.3	1477.0	1514.0	1461.9
65°	729.2	740.8	832.3	998.9	1290.6	1753.6	1793.0	1765.2	1634.4	1628.6	1602.0
67.5°	406.3	415.5	478.1	652.8	1086.9	1864.8	2301.1	2097.4	1878.7	1801.1	1791.8
70°	320.6	322.9	331.1	366.9	603.1	1643.7	2701.7	2710.9	2278.0	2038.4	1832.4
72.5°	260.4	259.3	283.6	314.8	356.5	986.2	2575.5	2932.0	2583.6	1975.9	1596.2
75°	199.1	202.6	233.8	279.0	326.4	464.2	1921.5	2412.3	2420.4	1841.6	1346.2
77.5°	151.6	152.8	187.5	246.6	319.5	327.6	1253.6	1797.6	1805.7	1426.1	742.0
80°	113.4	113.4	142.4	208.4	311.4	302.1	772.1	1246.6	1128.6	501.2	162.1
82.5°	64.8	69.5	94.9	158.6	282.4	290.5	435.2	714.2	476.9	136.6	75.2
85°	34.7	35.9	57.9	106.5	232.7	277.8	332.2	355.4	189.8	72.9	34.7
87.5°	12.7	12.7	26.6	54.4	147.0	206.0	263.9	226.9	108.8	33.6	17.4
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°	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8
2.5°	864.7	860.0	856.6	860.0	847.3	841.5	848.5	845.0	838.0	834.6	832.3
5°	847.3	841.5	835.7	832.3	818.4	804.5	797.5	783.6	772.1	775.5	768.6
7.5°	828.8	823.0	805.6	789.4	761.6	733.9	721.1	701.5	694.5	688.7	685.3
10°	805.6	795.2	768.6	736.2	695.7	664.4	632.0	608.9	584.5	574.1	577.6
12.5°	776.7	770.9	729.2	679.5	622.7	570.7	532.5	495.4	463.0	445.6	441.0
15°	764.0	746.6	686.4	620.4	548.7	483.8	427.1	362.3	324.1	305.6	305.6
17.5°	750.1	717.7	645.9	555.6	473.4	390.1	310.2	251.2	221.1	210.7	210.7
20°	728.1	692.2	598.4	494.3	394.7	294.0	222.2	189.8	180.6	173.6	174.8
22.5°	711.9	667.9	554.5	434.1	312.5	218.8	174.8	164.4	160.9	158.6	159.7
25°	693.4	639.0	508.2	369.2	245.4	172.5	151.6	147.0	149.3	150.5	150.5
27.5°	678.3	614.6	460.7	299.8	185.2	145.8	136.6	135.4	140.1	142.4	143.5
30°	667.9	592.7	414.4	236.1	148.2	129.6	125.0	125.0	130.8	133.1	134.3
32.5°	657.5	574.1	364.6	180.6	126.2	115.8	114.6	115.8	119.2	119.2	120.4
35°	660.9	556.8	317.2	145.8	113.4	106.5	106.5	106.5	107.6	108.8	108.8
37.5°	667.9	552.1	266.2	122.7	104.2	99.5	99.5	98.4	99.5	98.4	99.5
40°	674.8	545.2	219.9	108.8	98.4	94.9	93.8	91.4	90.3	90.3	91.4
42.5°	703.8	554.5	180.6	99.5	93.8	91.4	88.0	85.7	84.5	84.5	84.5
45°	740.8	571.8	149.3	94.9	90.3	84.5	82.2	81.0	78.7	79.9	81.0
47.5°	796.4	598.4	130.8	91.4	86.8	79.9	77.6	75.2	75.2	77.6	77.6
50°	869.3	642.4	119.2	88.0	83.3	76.4	72.9	71.8	71.8	75.2	75.2
52.5°	948.0	693.4	114.6	86.8	79.9	72.9	69.5	68.3	68.3	72.9	72.9
55°	1026.7	755.9	118.1	86.8	77.6	69.5	66.0	63.7	64.8	68.3	68.3
57.5°	1113.5	823.0	135.4	86.8	75.2	68.3	63.7	60.2	61.3	62.5	62.5
60°	1208.5	911.0	165.5	86.8	74.1	66.0	60.2	55.6	55.6	56.7	56.7
62.5°	1304.5	997.8	208.4	88.0	75.2	64.8	55.6	50.9	49.8	50.9	50.9
65°	1430.7	1136.7	251.2	88.0	78.7	62.5	52.1	46.3	45.1	45.1	46.3
67.5°	1607.8	1236.2	194.5	84.5	81.0	62.5	48.6	42.8	40.5	40.5	40.5
70°	1514.0	1042.9	123.9	78.7	77.6	64.8	46.3	39.4	37.0	35.9	35.9
72.5°	1296.4	834.6	99.5	74.1	71.8	63.7	44.0	37.0	33.6	32.4	32.4
75°	1039.5	658.6	86.8	67.1	62.5	53.2	40.5	33.6	31.3	28.9	28.9
77.5°	509.3	275.5	66.0	59.0	53.2	40.5	35.9	31.3	27.8	25.5	25.5
80°	127.3	96.1	48.6	46.3	39.4	31.3	28.9	26.6	24.3	22.0	22.0
82.5°	68.3	56.7	34.7	31.3	26.6	22.0	22.0	20.8	19.7	17.4	16.2
85°	34.7	33.6	23.2	20.8	17.4	13.9	15.0	15.0	13.9	10.4	10.4
87.5°	18.5	18.5	11.6	9.3	8.1	6.9	6.9	6.9	5.8	4.6	4.6
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)