

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: P675388

Luminaire Tested: **CCW-SA-1A-730-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675388
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-730-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL2 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

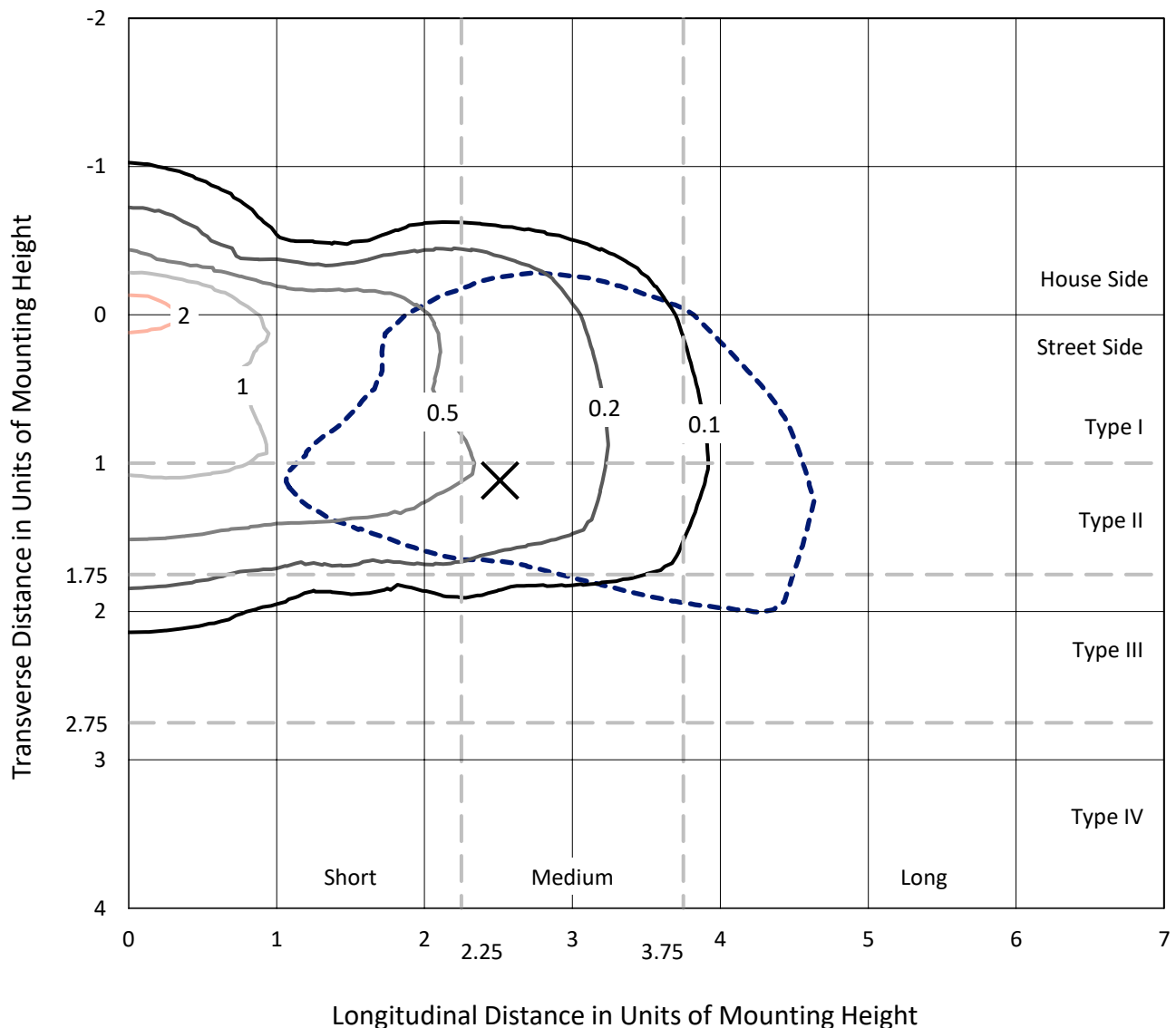
Lumens per Lamp: N/A
Luminaire Lumens: 2465.6 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
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

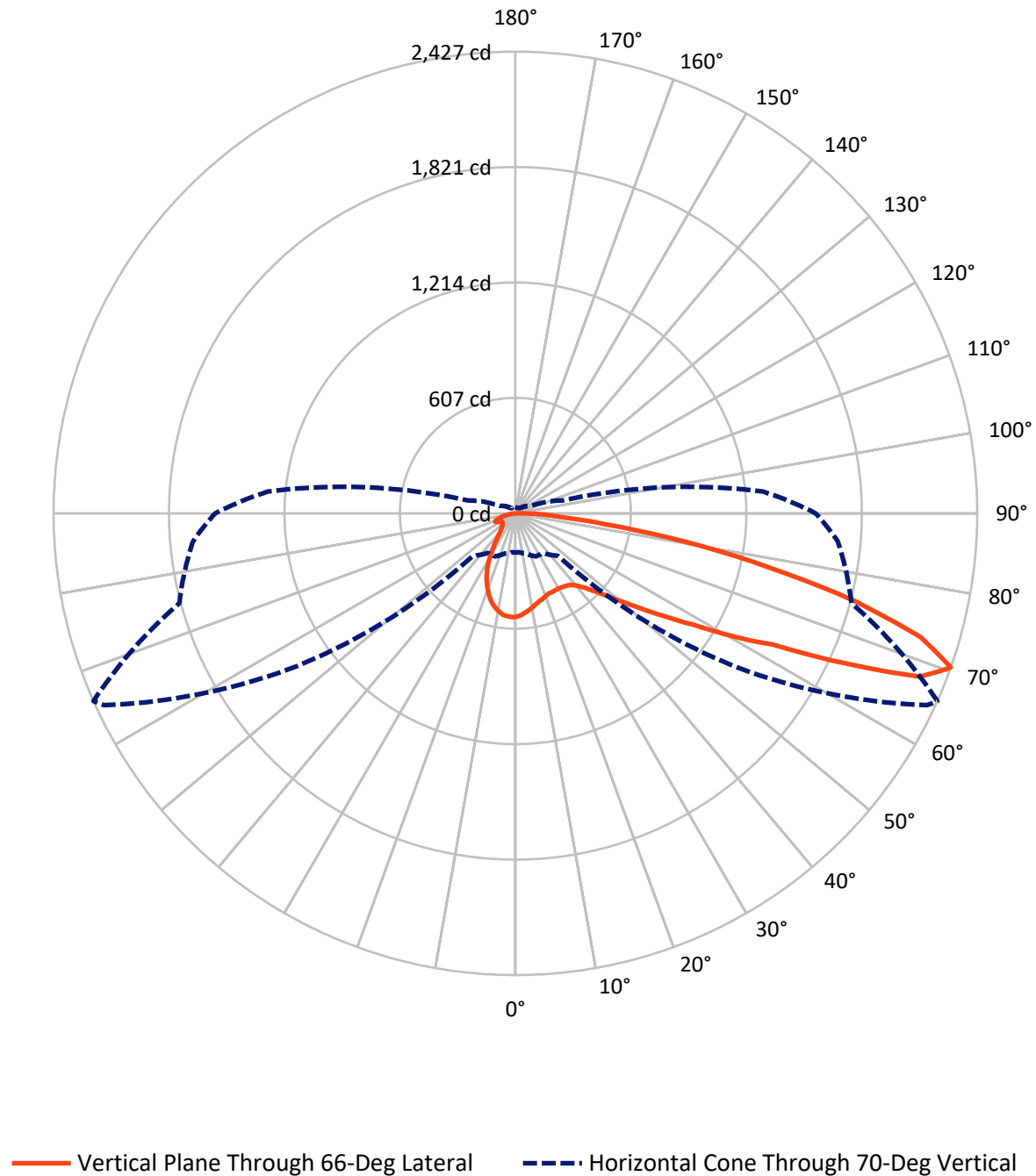
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	504.7	0.0	504.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	1960.9	0.0	1960.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	2465.6	0.0	2465.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	2.0
10°-20°	118.6	4.8
20°-30°	162.8	6.6
30°-40°	218.3	8.9
40°-50°	316.8	12.8
50°-60°	481.5	19.5
60°-70°	594.7	24.1
70°-80°	442.2	17.9
80°-90°	82.5	3.3
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°	2465.6	100.0
0°-180°	2465.6	100.0

Coefficient of Utilization



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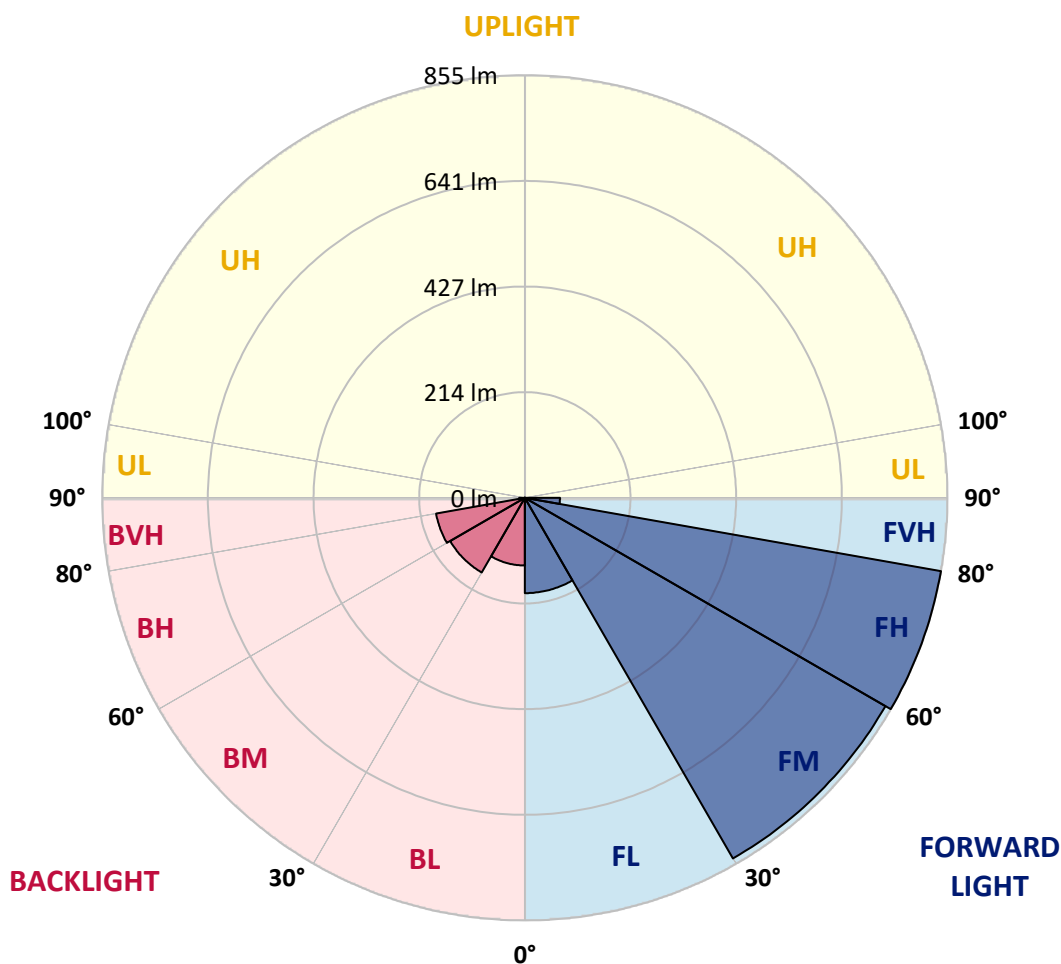
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.8	7.8			
FM	(30°-60°)	842.3	34.2			
FH	(60°-80°)	854.7	34.7			G1/1800
FVH	(80°-90°)	71.1	2.9			G1/100
BL	(0°-30°)	136.8	5.5	B1/500		
BM	(30°-60°)	174.3	7.1	B0/220		
BH	(60°-80°)	182.2	7.4	B1/500		G1/500
BVH	(80°-90°)	11.4	0.5			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°	65°	66°	75°	85°
0°	544.7	544.7	544.7	544.7	544.7	544.7	544.7	544.7	544.7	544.7	544.7
2.5°	518.1	520.9	521.8	523.6	528.2	531.9	537.4	540.1	537.4	541.0	541.0
5°	482.4	478.7	487.9	491.5	497.0	504.4	517.2	527.3	524.5	535.5	544.7
7.5°	452.1	452.1	454.8	463.1	469.5	480.5	494.3	509.9	514.5	529.1	542.9
10°	424.6	428.3	428.3	441.1	444.8	457.6	480.5	499.8	500.7	525.5	544.7
12.5°	409.9	408.1	417.2	420.9	431.9	444.8	463.1	486.9	487.9	514.5	541.0
15°	398.0	399.8	404.4	413.6	423.7	433.8	451.2	473.2	477.8	509.0	539.2
17.5°	398.9	399.8	399.8	406.2	414.5	426.4	442.9	468.6	471.4	501.6	536.5
20°	404.4	400.7	403.5	406.2	411.7	422.8	436.5	458.5	461.3	500.7	542.9
22.5°	416.3	413.6	412.7	411.7	410.8	417.2	434.7	453.0	455.8	496.1	545.6
25°	435.6	434.7	428.3	421.8	417.2	417.2	431.0	457.6	456.7	496.1	547.5
27.5°	458.5	458.5	457.6	445.7	431.9	424.6	433.8	455.8	454.8	496.1	552.1
30°	489.7	489.7	486.9	475.9	451.2	430.1	435.6	453.9	456.7	492.4	548.4
32.5°	523.6	522.7	525.5	515.4	489.7	455.8	446.6	457.6	460.3	496.1	549.3
35°	548.4	553.9	563.1	553.9	528.2	482.4	462.2	464.9	466.8	497.0	553.0
37.5°	576.8	583.2	596.1	603.4	575.9	522.7	486.9	476.9	476.9	509.0	553.9
40°	618.1	611.7	633.7	646.5	635.5	572.2	525.5	498.9	499.8	524.5	565.8
42.5°	648.3	654.8	677.7	700.6	686.9	632.8	567.6	534.6	534.6	547.5	584.1
45°	682.3	689.6	721.7	749.2	759.3	705.2	625.4	586.0	584.1	592.4	617.2
47.5°	719.9	730.0	766.6	798.7	825.3	780.4	699.7	648.3	647.4	653.8	672.2
50°	763.0	766.6	796.9	855.6	908.8	880.3	790.5	736.4	731.8	734.5	759.3
52.5°	775.8	773.1	807.9	871.2	968.4	1002.3	914.3	836.3	834.5	828.1	860.2
55°	729.0	738.2	772.1	852.8	1017.0	1146.3	1050.0	973.0	956.5	939.0	977.6
57.5°	635.5	636.4	674.9	770.3	979.4	1265.5	1280.2	1106.9	1107.8	1061.0	1105.0
60°	494.3	491.5	521.8	608.0	872.1	1302.2	1531.4	1320.5	1311.4	1183.0	1223.3
62.5°	356.7	351.2	357.6	408.1	652.0	1246.2	1778.1	1559.9	1521.4	1307.7	1338.9
65°	293.4	296.2	299.0	301.7	365.9	1028.0	1854.2	1950.5	1899.2	1453.5	1466.3
67.5°	243.0	244.8	256.8	273.3	271.4	607.1	1766.2	2311.8	2292.6	1634.1	1576.4
70°	206.3	205.4	219.2	249.4	254.0	315.5	1398.5	2386.1	2427.4	1828.6	1701.1
72.5°	165.1	166.9	178.8	219.2	249.4	265.9	805.2	2226.5	2225.6	1978.0	1634.1
75°	118.3	118.3	134.8	181.6	241.2	263.2	445.7	1807.5	1841.4	1858.8	1417.7
77.5°	77.9	81.6	94.5	135.7	226.5	257.7	282.4	1314.1	1356.3	1390.2	1084.8
80°	53.2	55.0	63.3	94.5	191.7	259.5	231.1	884.0	900.5	767.6	440.2
82.5°	32.1	33.0	42.2	66.0	137.6	246.7	217.3	487.9	477.8	232.0	126.6
85°	17.4	18.3	26.6	44.0	90.8	215.5	213.7	239.3	222.8	85.3	53.2
87.5°	6.4	6.4	11.9	22.0	52.3	147.6	186.2	142.1	133.0	43.1	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°	544.7	544.7	544.7	544.7	544.7	544.7	544.7	544.7	544.7	544.7	544.7
2.5°	545.6	545.6	545.6	545.6	544.7	541.0	543.8	542.9	537.4	538.3	534.6
5°	543.8	548.4	545.6	542.0	537.4	526.4	522.7	520.0	512.6	509.9	512.6
7.5°	548.4	544.7	542.9	536.5	518.1	508.0	495.2	479.6	468.6	465.9	468.6
10°	547.5	547.5	539.2	520.9	503.4	474.1	457.6	430.1	414.5	409.9	410.8
12.5°	543.8	546.5	533.7	504.4	471.4	435.6	405.3	376.0	348.5	337.5	335.6
15°	547.5	544.7	521.8	484.2	438.3	388.8	344.8	301.7	276.0	259.5	255.9
17.5°	542.0	539.2	506.2	456.7	395.2	332.0	276.9	230.2	204.5	198.1	198.1
20°	548.4	531.0	487.9	423.7	350.3	269.6	207.2	172.4	166.0	166.0	167.8
22.5°	547.5	529.1	472.3	391.6	296.2	203.6	154.1	144.0	144.9	152.2	151.3
25°	542.0	525.5	450.3	355.8	239.3	153.1	127.5	124.7	131.1	139.4	138.5
27.5°	541.0	515.4	430.1	313.6	182.5	121.0	111.0	111.0	117.4	124.7	123.8
30°	535.5	507.1	405.3	265.9	137.6	105.5	101.8	101.8	104.5	108.2	108.2
32.5°	534.6	496.1	377.8	216.4	110.0	95.4	93.5	94.5	94.5	96.3	95.4
35°	527.3	481.4	349.4	167.8	95.4	89.9	88.0	87.1	87.1	86.2	86.2
37.5°	524.5	472.3	320.0	130.2	89.0	85.3	83.4	80.7	79.8	79.8	78.9
40°	527.3	463.1	291.6	105.5	83.4	81.6	78.9	75.2	74.3	74.3	74.3
42.5°	537.4	462.2	262.3	91.7	80.7	77.9	74.3	70.6	69.7	70.6	69.7
45°	560.3	469.5	233.8	85.3	77.0	74.3	69.7	66.9	66.0	66.9	66.9
47.5°	597.9	489.7	208.2	81.6	74.3	70.6	66.0	63.3	63.3	63.3	63.3
50°	660.3	528.2	183.4	78.9	72.4	67.9	63.3	59.6	58.7	58.7	59.6
52.5°	753.8	594.2	163.2	77.0	69.7	64.2	59.6	56.9	55.0	54.1	55.0
55°	866.6	690.5	156.8	75.2	66.0	61.4	56.9	53.2	51.4	51.4	50.4
57.5°	987.6	796.9	167.8	73.4	63.3	57.8	53.2	49.5	47.7	46.8	46.8
60°	1118.8	922.5	208.2	72.4	60.5	54.1	49.5	46.8	44.0	43.1	43.1
62.5°	1238.0	1036.2	280.6	71.5	58.7	50.4	45.9	42.2	40.3	39.4	39.4
65°	1373.7	1162.8	351.2	75.2	57.8	47.7	42.2	38.5	36.7	35.8	35.8
67.5°	1492.0	1272.8	392.5	84.4	60.5	44.0	37.6	34.8	33.9	33.0	33.0
70°	1578.2	1306.8	263.2	92.6	65.1	41.3	33.9	32.1	30.3	30.3	30.3
72.5°	1462.7	1166.5	155.9	87.1	61.4	38.5	30.3	28.4	27.5	27.5	26.6
75°	1250.8	993.1	120.1	70.6	49.5	33.0	26.6	24.8	23.8	23.8	22.9
77.5°	923.4	711.6	89.0	55.9	38.5	26.6	22.9	22.0	21.1	20.2	20.2
80°	361.3	311.8	60.5	41.3	28.4	21.1	19.3	18.3	17.4	16.5	16.5
82.5°	111.9	94.5	34.8	27.5	20.2	16.5	15.6	14.7	13.8	12.8	12.8
85°	48.6	46.8	22.9	17.4	13.8	11.0	11.0	10.1	9.2	8.3	8.3
87.5°	23.8	22.9	12.8	8.3	7.3	5.5	5.5	4.6	3.7	3.7	3.7
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)