

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: P671390

Luminaire Tested: **CCP-SA-1A-740-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671390  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-740-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

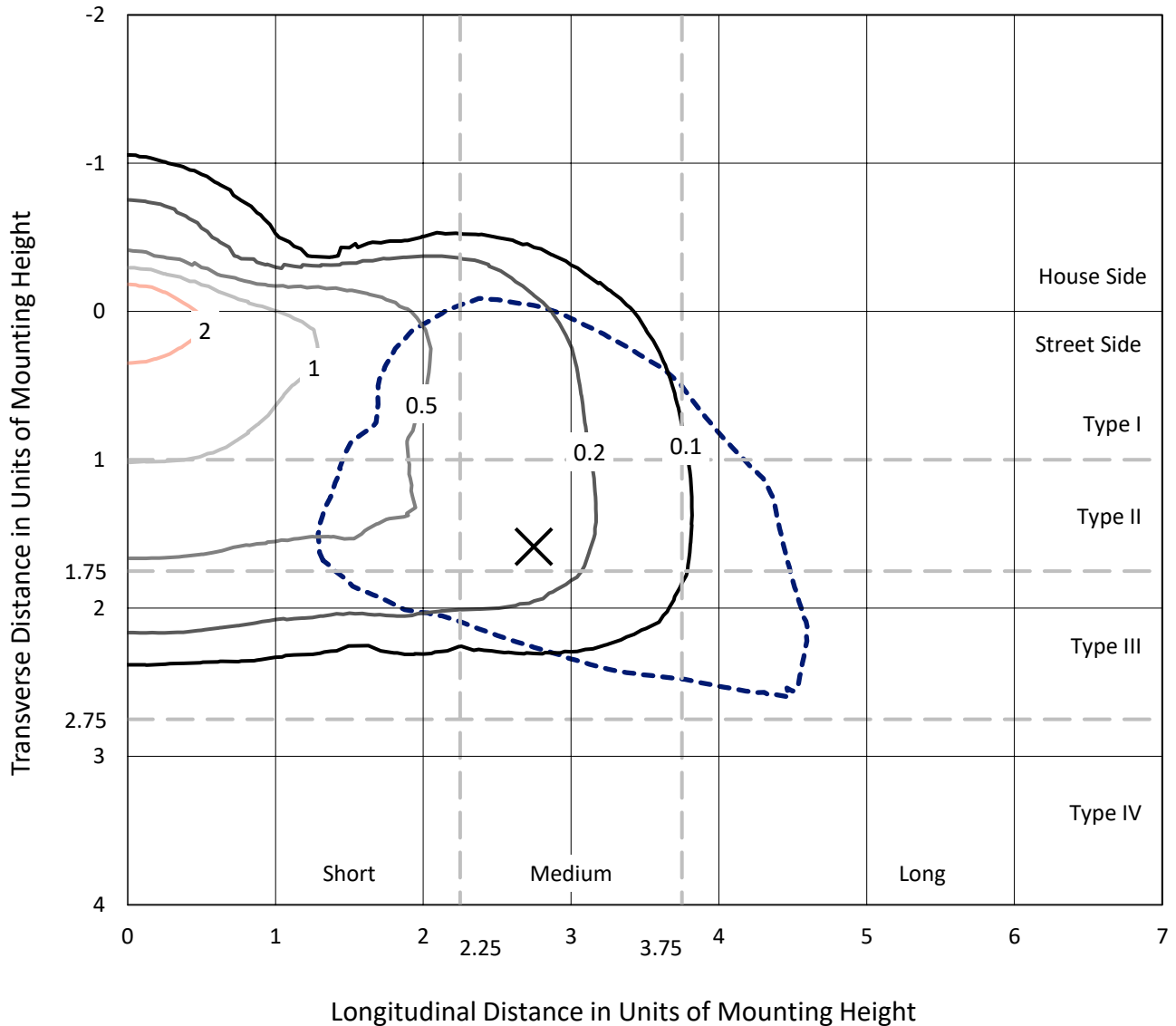
Lumens per Lamp: N/A  
Luminaire Lumens: 2705 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

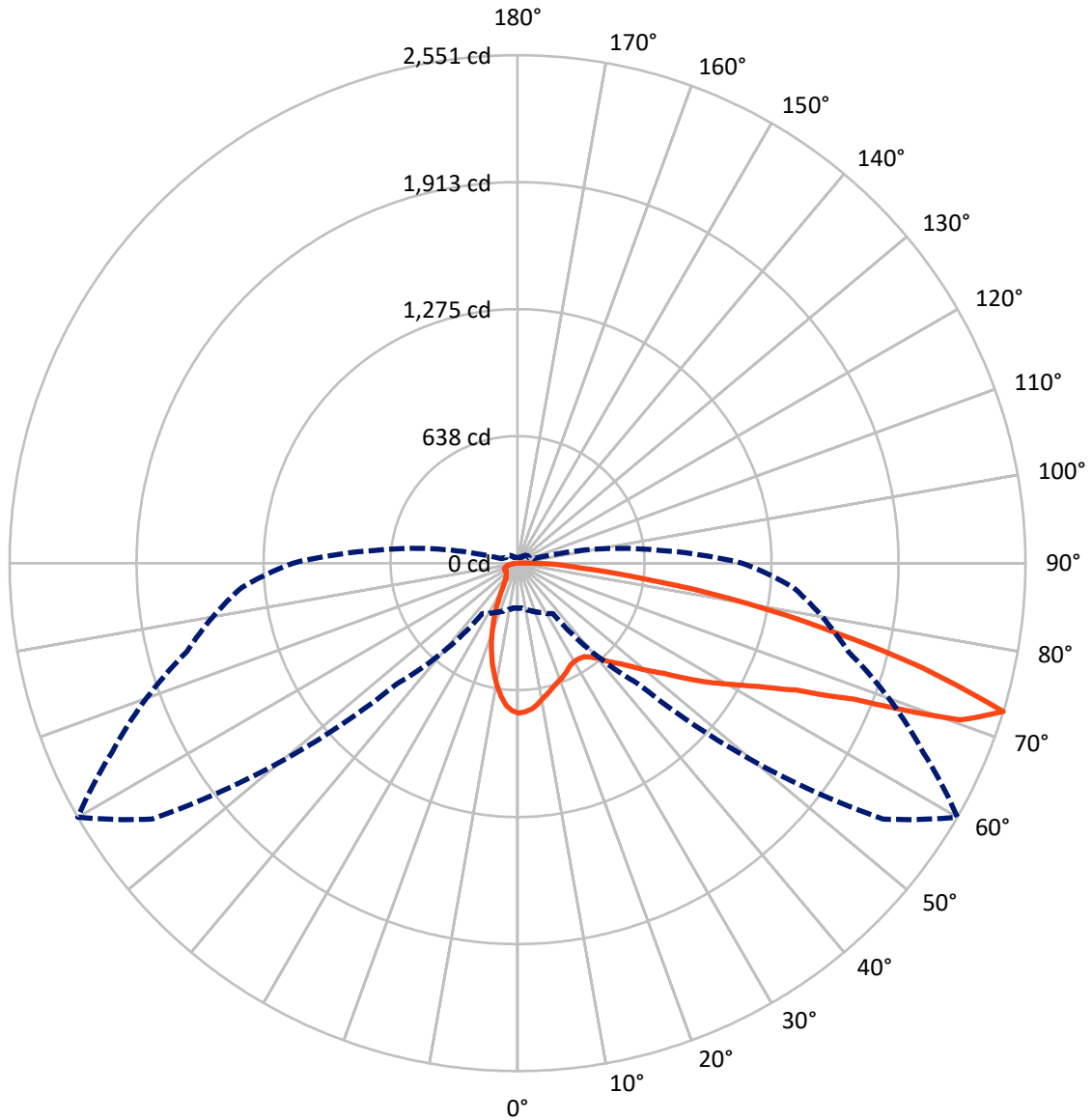
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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
<b>House Side</b>	Lumens	464.7	0.0	464.7
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	2240.3	0.0	2240.3
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	2705.0	0.0	2705.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.3	2.4
10°-20°	148.0	5.5
20°-30°	189.5	7.0
30°-40°	242.4	9.0
40°-50°	332.4	12.3
50°-60°	480.8	17.8
60°-70°	659.6	24.4
70°-80°	495.0	18.3
80°-90°	92.0	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°	2705.0	100.0
0°-180°	2705.0	100.0



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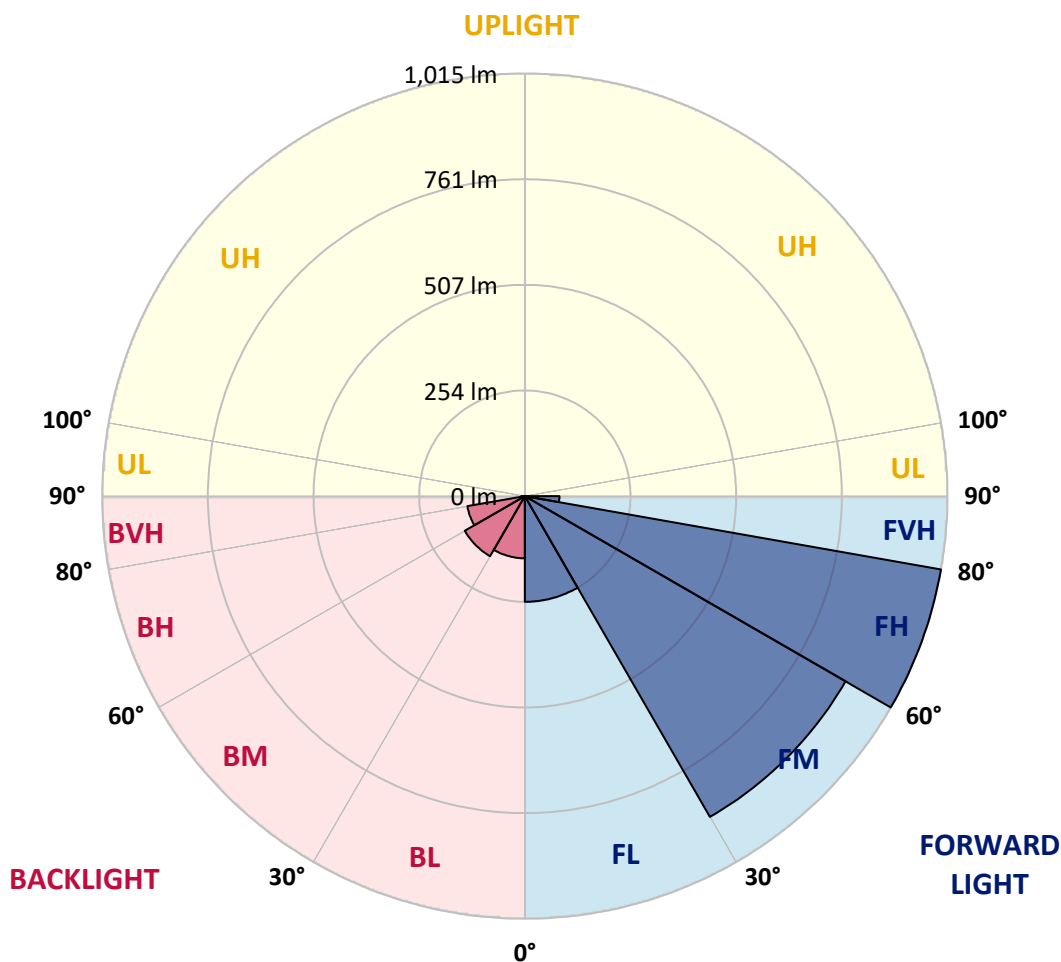
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.6	9.4			
FM (30°-60°)	889.1	32.9			
FH (60°-80°)	1014.5	37.5			G1/1800
FVH (80°-90°)	83.0	3.1			G1/100
BL (0°-30°)	149.2	5.5	B1/500		
BM (30°-60°)	166.5	6.2	B0/220		
BH (60°-80°)	140.0	5.2	B1/500		G1/500
BVH (80°-90°)	9.0	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2
2.5°	737.1	744.1	746.2	746.2	752.2	745.2	755.2	747.2	749.2	752.2	750.2
5°	701.9	713.9	706.9	720.0	714.9	724.0	736.1	736.1	733.1	739.1	734.1
7.5°	667.6	663.6	675.7	675.7	683.7	695.8	705.9	716.0	717.0	719.0	718.0
10°	621.3	626.3	632.4	640.4	650.5	662.6	683.7	691.8	693.8	705.9	702.9
12.5°	583.0	590.1	594.1	610.2	619.3	636.4	660.6	671.6	672.7	689.8	689.8
15°	554.8	558.9	567.9	574.0	594.1	618.3	641.4	651.5	662.6	680.7	675.7
17.5°	535.7	540.7	544.8	552.8	572.0	592.1	628.3	634.4	647.5	673.7	667.6
20°	524.6	525.6	531.7	536.7	553.8	573.0	605.2	621.3	638.4	661.6	655.5
22.5°	526.6	522.6	521.6	528.7	531.7	549.8	589.1	606.2	630.4	657.5	647.5
25°	530.7	531.7	529.7	523.6	524.6	540.7	566.9	589.1	616.3	656.5	636.4
27.5°	540.7	545.8	537.7	531.7	525.6	531.7	558.9	575.0	605.2	661.6	635.4
30°	550.8	555.8	553.8	544.8	532.7	530.7	549.8	569.9	599.1	665.6	635.4
32.5°	565.9	573.0	565.9	568.9	554.8	545.8	552.8	570.9	605.2	679.7	636.4
35°	583.0	589.1	591.1	584.0	581.0	563.9	567.9	577.0	611.2	695.8	646.5
37.5°	602.2	609.2	615.3	616.3	606.2	596.1	594.1	599.1	626.3	724.0	657.5
40°	615.3	619.3	631.4	641.4	644.5	630.4	629.4	629.4	653.5	749.2	677.7
42.5°	637.4	635.4	652.5	670.6	675.7	667.6	669.6	677.7	691.8	785.4	709.9
45°	648.5	646.5	666.6	696.8	720.0	716.0	718.0	721.0	734.1	842.8	764.3
47.5°	663.6	665.6	694.8	729.0	753.2	767.3	778.4	777.4	787.4	901.2	824.7
50°	678.7	682.7	718.0	754.2	796.5	820.7	836.8	847.9	857.9	962.7	894.2
52.5°	707.9	711.9	751.2	790.5	844.8	880.1	920.4	919.4	920.4	1024.1	963.7
55°	750.2	751.2	774.4	819.7	893.2	957.6	1013.0	1019.1	1001.9	1100.6	1043.2
57.5°	798.5	802.6	822.7	856.9	931.4	1032.1	1116.7	1128.8	1082.5	1163.0	1115.7
60°	843.8	846.9	878.1	917.3	997.9	1125.8	1221.5	1235.5	1185.2	1239.6	1191.2
62.5°	792.5	807.6	863.0	952.6	1114.7	1267.8	1354.4	1363.4	1284.9	1317.1	1271.8
65°	634.4	644.5	724.0	869.0	1122.8	1525.6	1559.8	1535.6	1421.8	1416.8	1393.6
67.5°	353.4	361.5	415.9	567.9	945.5	1622.2	2001.8	1824.6	1634.3	1566.8	1558.8
70°	278.9	280.9	288.0	319.2	524.6	1429.9	2350.3	2358.3	1981.7	1773.3	1594.0
72.5°	226.6	225.6	246.7	273.9	310.1	857.9	2240.5	2550.6	2247.5	1718.9	1388.6
75°	173.2	176.2	203.4	242.7	284.0	403.8	1671.6	2098.5	2105.6	1602.1	1171.1
77.5°	131.9	132.9	163.1	214.5	277.9	285.0	1090.5	1563.8	1570.9	1240.6	645.5
80°	98.7	98.7	123.9	181.3	270.9	262.8	671.6	1084.5	981.8	436.0	141.0
82.5°	56.4	60.4	82.6	138.0	245.7	252.7	378.6	621.3	414.9	118.8	65.5
85°	30.2	31.2	50.3	92.6	202.4	241.7	289.0	309.1	165.1	63.4	30.2
87.5°	11.1	11.1	23.2	47.3	127.9	179.2	229.6	197.4	94.7	29.2	15.1
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°	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2
2.5°	752.2	748.2	745.2	748.2	737.1	732.1	738.1	735.1	729.0	726.0	724.0
5°	737.1	732.1	727.0	724.0	711.9	699.8	693.8	681.7	671.6	674.7	668.6
7.5°	721.0	716.0	700.8	686.8	662.6	638.4	627.3	610.2	604.2	599.1	596.1
10°	700.8	691.8	668.6	640.4	605.2	578.0	549.8	529.7	508.5	499.5	502.5
12.5°	675.7	670.6	634.4	591.1	541.7	496.4	463.2	431.0	402.8	387.7	383.7
15°	664.6	649.5	597.1	539.7	477.3	420.9	371.6	315.2	282.0	265.8	265.8
17.5°	652.5	624.3	561.9	483.3	411.8	339.3	269.9	218.5	192.3	183.3	183.3
20°	633.4	602.2	520.6	430.0	343.4	255.8	193.3	165.1	157.1	151.0	152.1
22.5°	619.3	581.0	482.3	377.6	271.9	190.3	152.1	143.0	140.0	138.0	139.0
25°	603.2	555.8	442.1	321.2	213.5	150.0	131.9	127.9	129.9	130.9	130.9
27.5°	590.1	534.7	400.8	260.8	161.1	126.9	118.8	117.8	121.8	123.9	124.9
30°	581.0	515.6	360.5	205.4	128.9	112.8	108.8	108.8	113.8	115.8	116.8
32.5°	572.0	499.5	317.2	157.1	109.8	100.7	99.7	100.7	103.7	103.7	104.7
35°	575.0	484.4	275.9	126.9	98.7	92.6	92.6	92.6	93.6	94.7	94.7
37.5°	581.0	480.3	231.6	106.7	90.6	86.6	86.6	85.6	86.6	85.6	86.6
40°	587.1	474.3	191.3	94.7	85.6	82.6	81.6	79.6	78.5	78.5	79.6
42.5°	612.2	482.3	157.1	86.6	81.6	79.6	76.5	74.5	73.5	73.5	73.5
45°	644.5	497.4	129.9	82.6	78.5	73.5	71.5	70.5	68.5	69.5	70.5
47.5°	692.8	520.6	113.8	79.6	75.5	69.5	67.5	65.5	65.5	67.5	67.5
50°	756.2	558.9	103.7	76.5	72.5	66.5	63.4	62.4	62.4	65.5	65.5
52.5°	824.7	603.2	99.7	75.5	69.5	63.4	60.4	59.4	59.4	63.4	63.4
55°	893.2	657.5	102.7	75.5	67.5	60.4	57.4	55.4	56.4	59.4	59.4
57.5°	968.7	716.0	117.8	75.5	65.5	59.4	55.4	52.4	53.4	54.4	54.4
60°	1051.3	792.5	144.0	75.5	64.4	57.4	52.4	48.3	48.3	49.3	49.3
62.5°	1134.9	868.0	181.3	76.5	65.5	56.4	48.3	44.3	43.3	44.3	44.3
65°	1244.6	988.8	218.5	76.5	68.5	54.4	45.3	40.3	39.3	39.3	40.3
67.5°	1398.7	1075.4	169.2	73.5	70.5	54.4	42.3	37.3	35.2	35.2	35.2
70°	1317.1	907.3	107.7	68.5	67.5	56.4	40.3	34.2	32.2	31.2	31.2
72.5°	1127.8	726.0	86.6	64.4	62.4	55.4	38.3	32.2	29.2	28.2	28.2
75°	904.3	573.0	75.5	58.4	54.4	46.3	35.2	29.2	27.2	25.2	25.2
77.5°	443.1	239.7	57.4	51.4	46.3	35.2	31.2	27.2	24.2	22.2	22.2
80°	110.8	83.6	42.3	40.3	34.2	27.2	25.2	23.2	21.1	19.1	19.1
82.5°	59.4	49.3	30.2	27.2	23.2	19.1	19.1	18.1	17.1	15.1	14.1
85°	30.2	29.2	20.1	18.1	15.1	12.1	13.1	13.1	12.1	9.1	9.1
87.5°	16.1	16.1	10.1	8.1	7.0	6.0	6.0	6.0	5.0	4.0	4.0
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)