

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: P671391

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671391  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-740-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL3  
distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

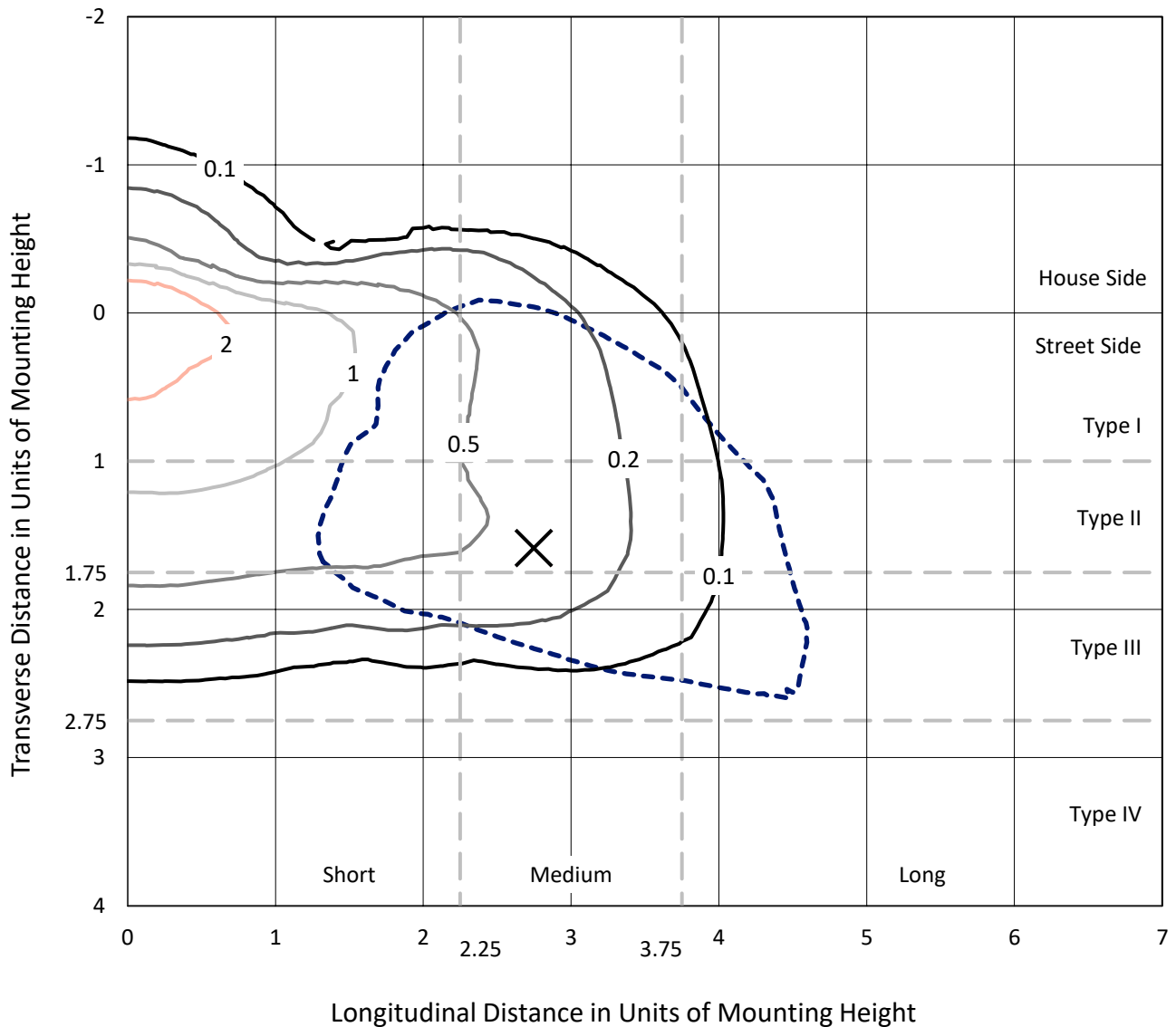
Lumens per Lamp: N/A  
Luminaire Lumens: 3414.7 lumens  
Efficiency: N/A  
Efficacy: 142.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 24  
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

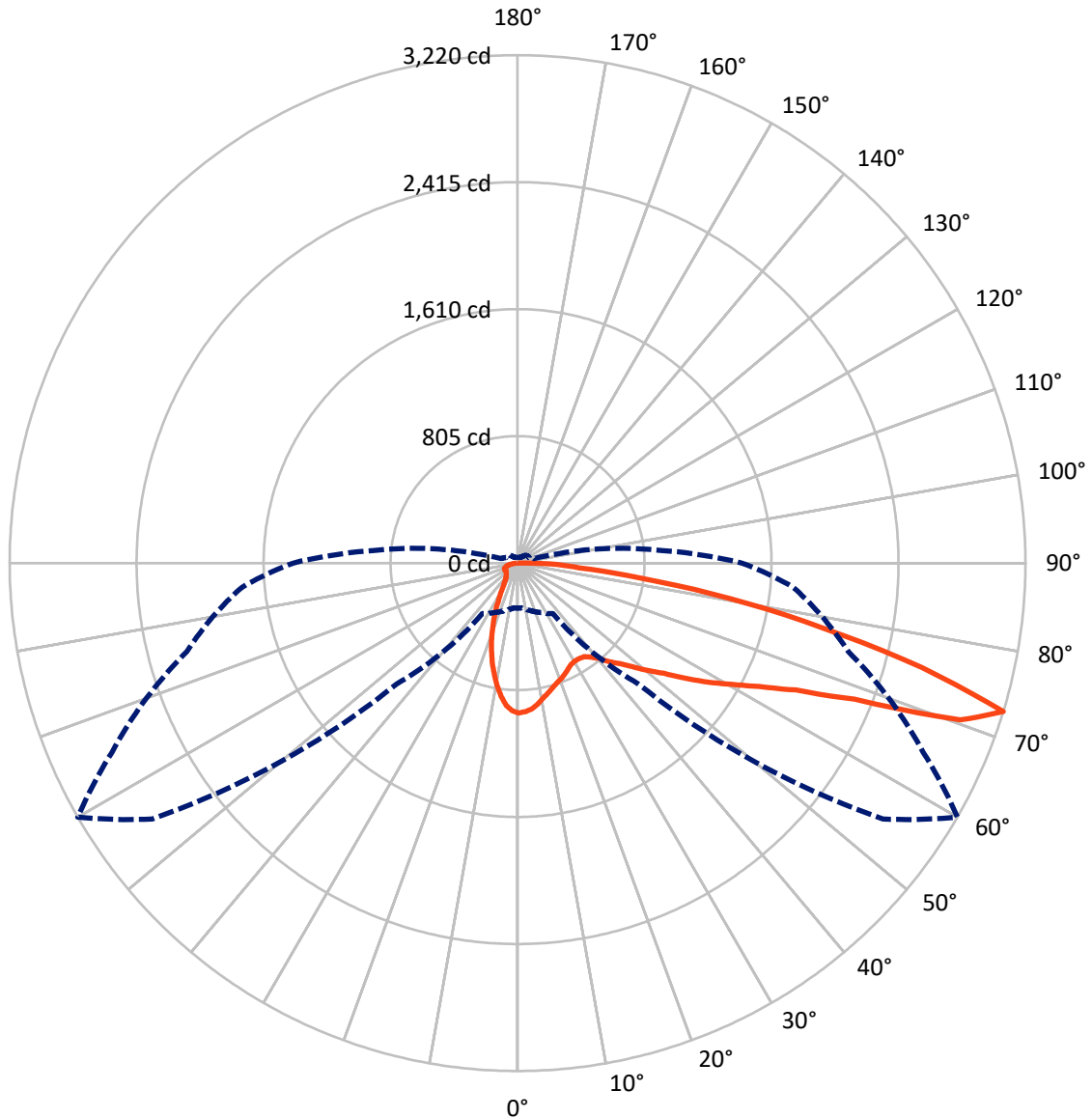
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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	586.6	0.0	586.6
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	2828.1	0.0	2828.1
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	3414.7	0.0	3414.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.4	2.4
10°-20°	186.9	5.5
20°-30°	239.2	7.0
30°-40°	306.0	9.0
40°-50°	419.6	12.3
50°-60°	607.0	17.8
60°-70°	832.7	24.4
70°-80°	624.8	18.3
80°-90°	116.1	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°	3414.7	100.0
0°-180°	3414.7	100.0



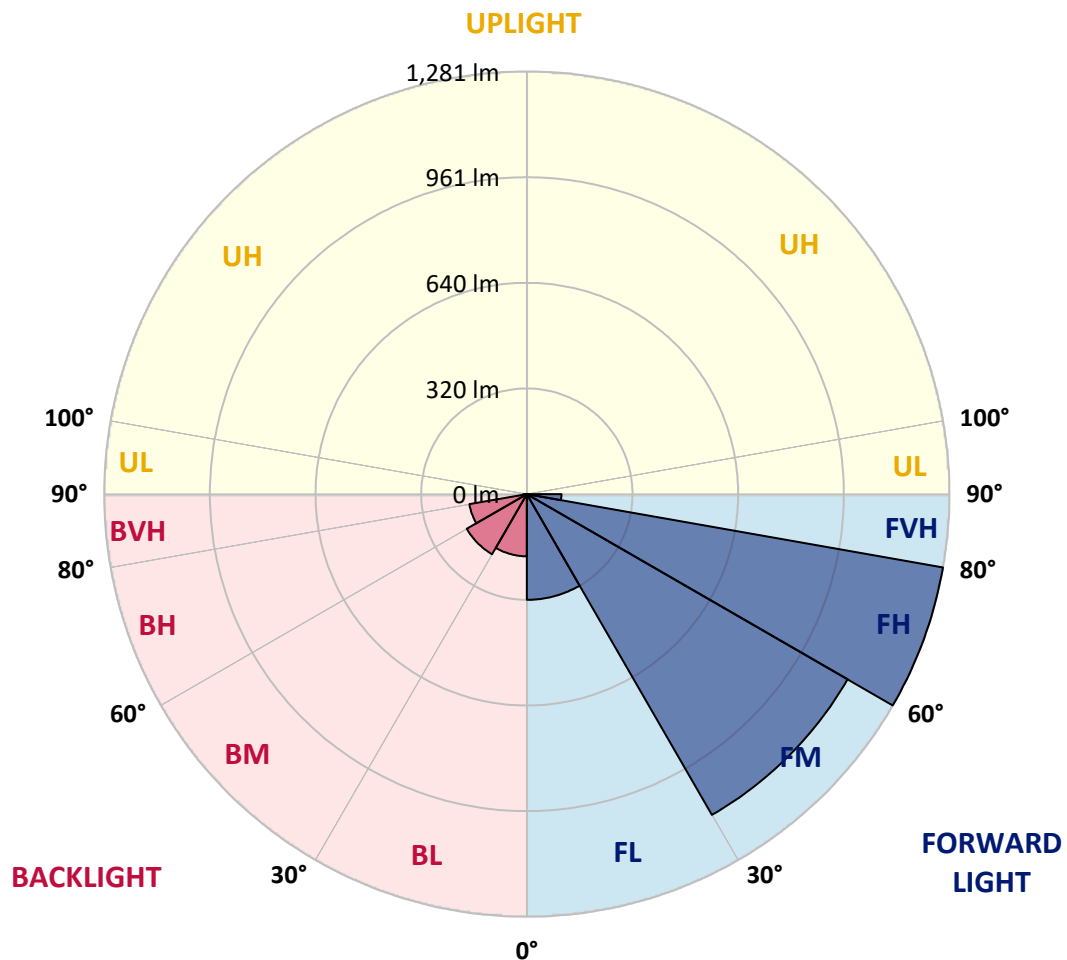
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.2	9.4			
FM (30°-60°)	1122.4	32.9			
FH (60°-80°)	1280.7	37.5			G1/1800
FVH (80°-90°)	104.8	3.1			G2/225
BL (0°-30°)	188.3	5.5	B1/500		
BM (30°-60°)	210.2	6.2	B0/220		
BH (60°-80°)	176.8	5.2	B1/500		G1/500
BVH (80°-90°)	11.3	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-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8
2.5°	930.5	939.4	941.9	941.9	949.6	940.7	953.4	943.2	945.7	949.6	947.0
5°	886.0	901.3	892.4	908.9	902.5	914.0	929.2	929.2	925.4	933.0	926.7
7.5°	842.8	837.7	852.9	852.9	863.1	878.4	891.1	903.8	905.1	907.6	906.3
10°	784.3	790.7	798.3	808.5	821.2	836.4	863.1	873.3	875.8	891.1	887.3
12.5°	736.0	744.9	750.0	770.3	781.8	803.4	833.9	847.9	849.1	870.7	870.7
15°	700.4	705.5	716.9	724.6	750.0	780.5	809.7	822.4	836.4	859.3	852.9
17.5°	676.3	682.6	687.7	697.9	722.0	747.4	793.2	800.8	817.4	850.4	842.8
20°	662.3	663.5	671.2	677.5	699.1	723.3	764.0	784.3	805.9	835.2	827.5
22.5°	664.8	659.7	658.5	667.4	671.2	694.1	743.6	765.2	795.7	830.1	817.4
25°	669.9	671.2	668.6	661.0	662.3	682.6	715.7	743.6	778.0	828.8	803.4
27.5°	682.6	689.0	678.8	671.2	663.5	671.2	705.5	725.8	764.0	835.2	802.1
30°	695.3	701.7	699.1	687.7	672.4	669.9	694.1	719.5	756.3	840.2	802.1
32.5°	714.4	723.3	714.4	718.2	700.4	689.0	697.9	720.7	764.0	858.0	803.4
35°	736.0	743.6	746.2	737.3	733.5	711.9	716.9	728.4	771.6	878.4	816.1
37.5°	760.2	769.1	776.7	778.0	765.2	752.5	750.0	756.3	790.7	914.0	830.1
40°	776.7	781.8	797.0	809.7	813.5	795.7	794.5	794.5	825.0	945.7	855.5
42.5°	804.6	802.1	823.7	846.6	852.9	842.8	845.3	855.5	873.3	991.5	896.2
45°	818.6	816.1	841.5	879.6	908.9	903.8	906.3	910.2	926.7	1064.0	964.8
47.5°	837.7	840.2	877.1	920.3	950.8	968.6	982.6	981.3	994.0	1137.7	1041.1
50°	856.8	861.8	906.3	952.1	1005.5	1036.0	1056.3	1070.3	1083.0	1215.2	1128.8
52.5°	893.6	898.7	948.3	997.9	1066.5	1111.0	1161.8	1160.6	1161.8	1292.8	1216.5
55°	947.0	948.3	977.5	1034.7	1127.5	1208.9	1278.8	1286.4	1264.8	1389.4	1316.9
57.5°	1008.0	1013.1	1038.5	1081.8	1175.8	1302.9	1409.7	1425.0	1366.5	1468.2	1408.4
60°	1065.2	1069.0	1108.5	1158.0	1259.7	1421.2	1541.9	1559.7	1496.2	1564.8	1503.8
62.5°	1000.4	1019.5	1089.4	1202.5	1407.2	1600.4	1709.7	1721.2	1622.0	1662.7	1605.5
65°	800.8	813.5	914.0	1097.0	1417.3	1925.8	1969.0	1938.5	1794.9	1788.5	1759.3
67.5°	446.2	456.3	525.0	716.9	1193.6	2047.8	2527.1	2303.3	2063.1	1977.9	1967.8
70°	352.1	354.7	363.6	403.0	662.3	1805.0	2966.9	2977.1	2501.6	2238.5	2012.2
72.5°	286.0	284.7	311.4	345.8	391.5	1083.0	2828.3	3219.9	2837.2	2169.9	1752.9
75°	218.6	222.5	256.8	306.3	358.5	509.7	2110.1	2649.1	2658.0	2022.4	1478.4
77.5°	166.5	167.8	205.9	270.8	350.8	359.7	1376.7	1974.1	1983.0	1566.1	814.8
80°	124.6	124.6	156.4	228.8	341.9	331.8	847.9	1369.0	1239.4	550.4	178.0
82.5°	71.2	76.3	104.2	174.1	310.2	319.1	478.0	784.3	523.7	150.0	82.6
85°	38.1	39.4	63.6	116.9	255.5	305.1	364.8	390.2	208.5	80.1	38.1
87.5°	14.0	14.0	29.2	59.7	161.4	226.3	289.8	249.1	119.5	36.9	19.1
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°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8
2.5°	949.6	944.5	940.7	944.5	930.5	924.1	931.8	927.9	920.3	916.5	914.0
5°	930.5	924.1	917.8	914.0	898.7	883.5	875.8	860.6	847.9	851.7	844.1
7.5°	910.2	903.8	884.7	866.9	836.4	805.9	791.9	770.3	762.7	756.3	752.5
10°	884.7	873.3	844.1	808.5	764.0	729.6	694.1	668.6	641.9	630.5	634.3
12.5°	852.9	846.6	800.8	746.2	683.9	626.7	584.7	544.1	508.5	489.4	484.3
15°	839.0	819.9	753.8	681.3	602.5	531.3	469.1	397.9	355.9	335.6	335.6
17.5°	823.7	788.1	709.3	610.2	519.9	428.4	340.7	275.8	242.8	231.4	231.4
20°	799.6	760.2	657.2	542.8	433.5	322.9	244.1	208.5	198.3	190.7	191.9
22.5°	781.8	733.5	608.9	476.7	343.2	240.2	191.9	180.5	176.7	174.1	175.4
25°	761.4	701.7	558.0	405.5	269.5	189.4	166.5	161.4	164.0	165.3	165.3
27.5°	744.9	675.0	505.9	329.2	203.4	160.2	150.0	148.7	153.8	156.4	157.6
30°	733.5	650.8	455.1	259.3	162.7	142.4	137.3	137.3	143.6	146.2	147.5
32.5°	722.0	630.5	400.4	198.3	138.6	127.1	125.8	127.1	130.9	130.9	132.2
35°	725.8	611.4	348.3	160.2	124.6	116.9	116.9	116.9	118.2	119.5	119.5
37.5°	733.5	606.3	292.4	134.7	114.4	109.3	109.3	108.0	109.3	108.0	109.3
40°	741.1	598.7	241.5	119.5	108.0	104.2	103.0	100.4	99.2	99.2	100.4
42.5°	772.9	608.9	198.3	109.3	103.0	100.4	96.6	94.1	92.8	92.8	92.8
45°	813.5	628.0	164.0	104.2	99.2	92.8	90.3	89.0	86.4	87.7	89.0
47.5°	874.6	657.2	143.6	100.4	95.3	87.7	85.2	82.6	82.6	85.2	85.2
50°	954.6	705.5	130.9	96.6	91.5	83.9	80.1	78.8	78.8	82.6	82.6
52.5°	1041.1	761.4	125.8	95.3	87.7	80.1	76.3	75.0	75.0	80.1	80.1
55°	1127.5	830.1	129.7	95.3	85.2	76.3	72.5	69.9	71.2	75.0	75.0
57.5°	1222.9	903.8	148.7	95.3	82.6	75.0	69.9	66.1	67.4	68.6	68.6
60°	1327.1	1000.4	181.8	95.3	81.4	72.5	66.1	61.0	61.0	62.3	62.3
62.5°	1432.6	1095.7	228.8	96.6	82.6	71.2	61.0	55.9	54.7	55.9	55.9
65°	1571.2	1248.3	275.8	96.6	86.4	68.6	57.2	50.8	49.6	49.6	50.8
67.5°	1765.6	1357.6	213.6	92.8	89.0	68.6	53.4	47.0	44.5	44.5	44.5
70°	1662.7	1145.3	136.0	86.4	85.2	71.2	50.8	43.2	40.7	39.4	39.4
72.5°	1423.7	916.5	109.3	81.4	78.8	69.9	48.3	40.7	36.9	35.6	35.6
75°	1141.5	723.3	95.3	73.7	68.6	58.5	44.5	36.9	34.3	31.8	31.8
77.5°	559.3	302.5	72.5	64.8	58.5	44.5	39.4	34.3	30.5	28.0	28.0
80°	139.8	105.5	53.4	50.8	43.2	34.3	31.8	29.2	26.7	24.2	24.2
82.5°	75.0	62.3	38.1	34.3	29.2	24.2	24.2	22.9	21.6	19.1	17.8
85°	38.1	36.9	25.4	22.9	19.1	15.3	16.5	16.5	15.3	11.4	11.4
87.5°	20.3	20.3	12.7	10.2	8.9	7.6	7.6	7.6	6.4	5.1	5.1
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)