

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: P670961

Luminaire Tested: **CCP-SA-1D-740-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670961  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-740-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4FT distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

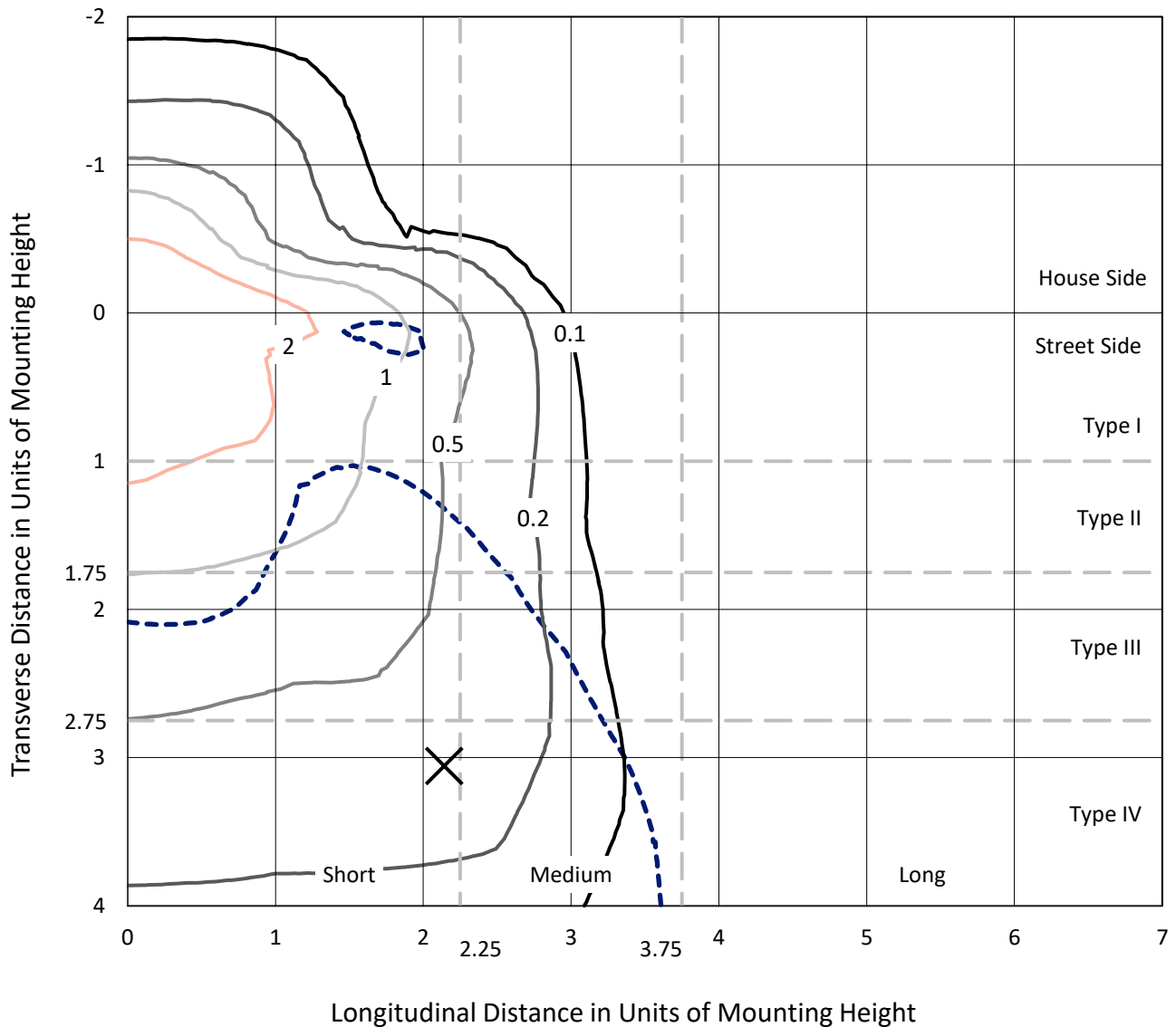
Lumens per Lamp: N/A  
Luminaire Lumens: 5573.4 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 44  
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

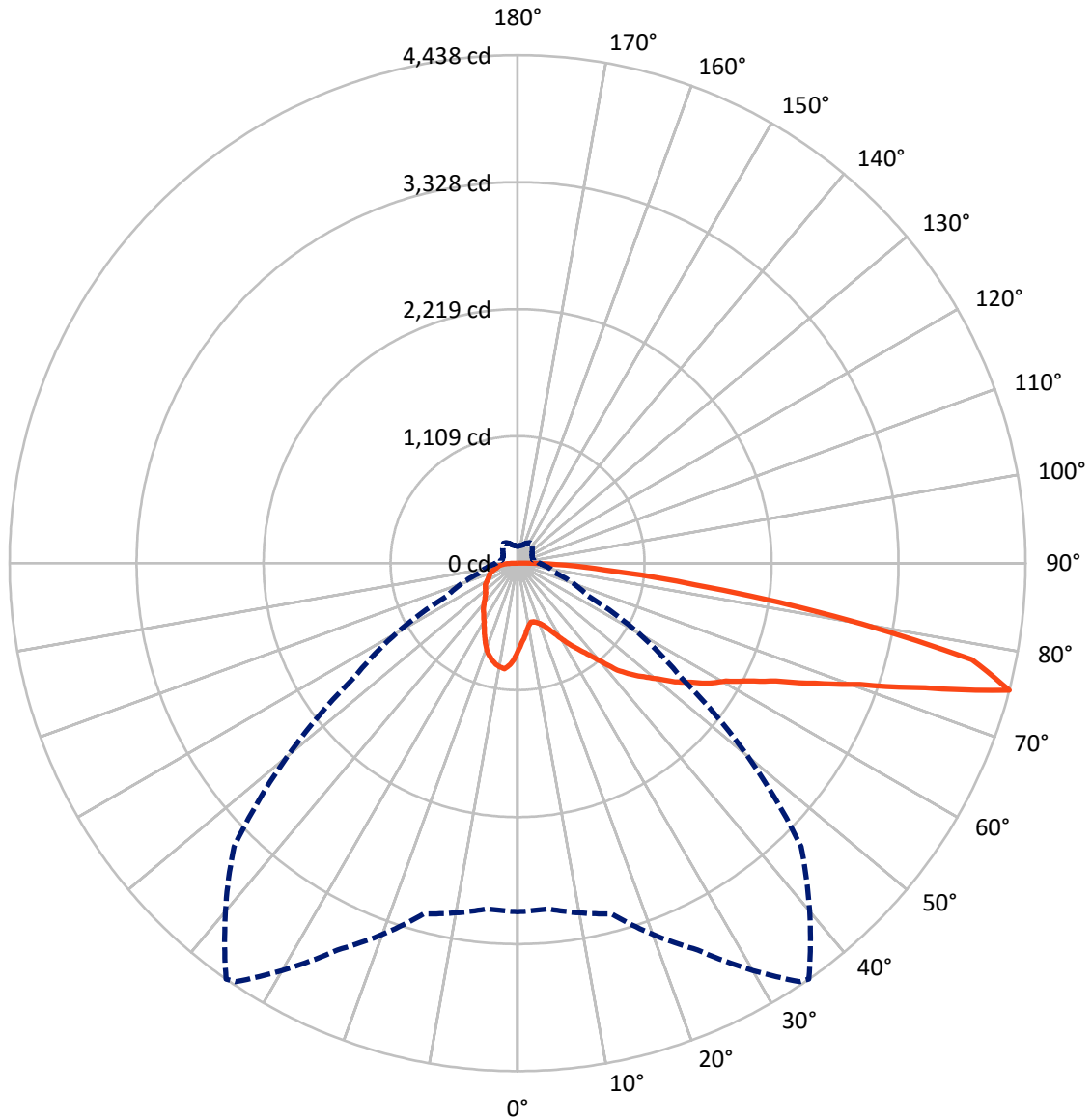
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1280.9	0.0	1280.9
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	4292.5	0.0	4292.5
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	5573.4	0.0	5573.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.8	1.3
10°-20°	211.2	3.8
20°-30°	350.4	6.3
30°-40°	519.4	9.3
40°-50°	748.9	13.4
50°-60°	1029.9	18.5
60°-70°	1272.2	22.8
70°-80°	1163.8	20.9
80°-90°	204.9	3.7
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°	5573.4	100.0
0°-180°	5573.4	100.0



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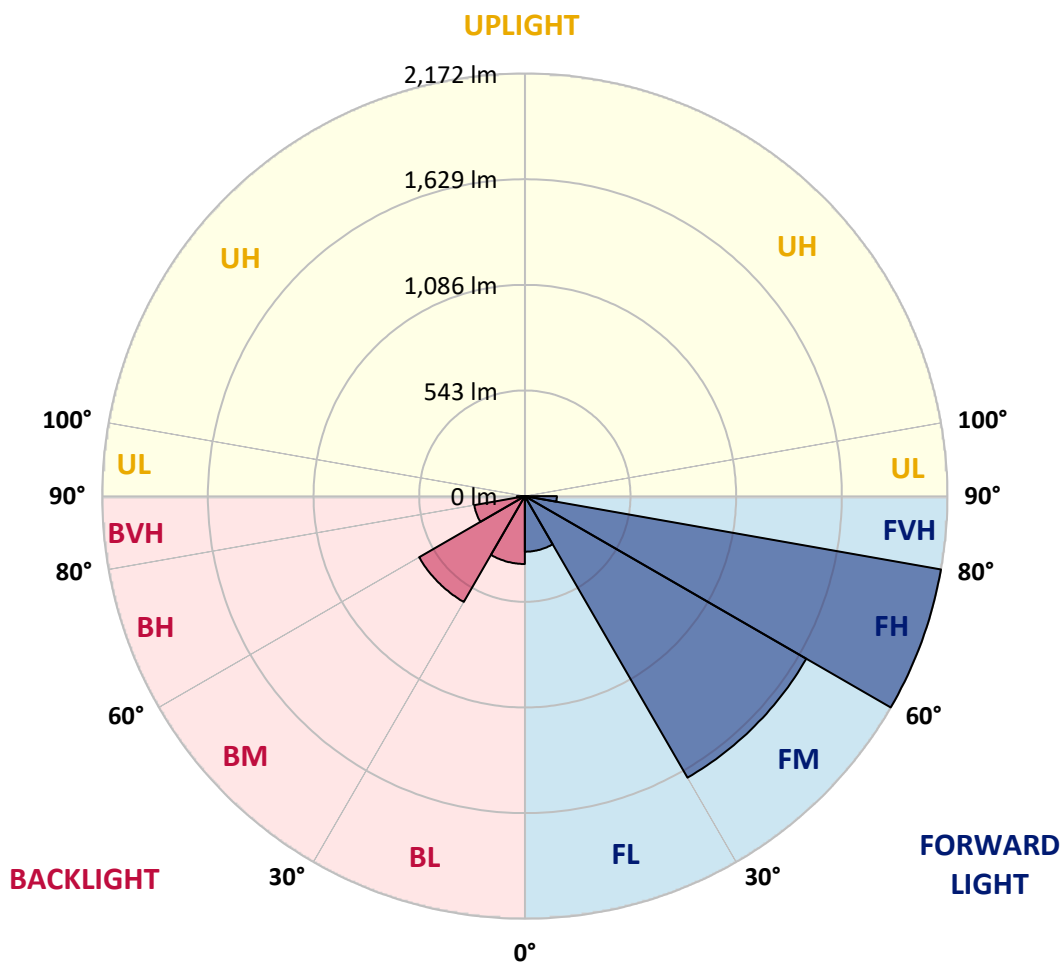
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	285.7	5.1			
FM (30°-60°)	1670.6	30.0			
FH (60°-80°)	2171.9	39.0			G2/5000
FVH (80°-90°)	164.4	3.0			G2/225
BL (0°-30°)	348.6	6.3	B1/500		
BM (30°-60°)	627.7	11.3	B1/1000		
BH (60°-80°)	264.1	4.7	B1/500		G1/500
BVH (80°-90°)	40.5	0.7			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	763.6	763.6	763.6	763.6	763.6	763.6	763.6	763.6	763.6	763.6	763.6
2.5°	691.8	685.6	691.8	695.9	695.9	695.9	702.0	720.5	732.8	741.0	755.4
5°	619.9	622.0	626.1	636.3	642.5	646.6	656.9	679.4	697.9	724.6	755.4
7.5°	556.3	560.4	566.5	576.8	591.2	589.1	611.7	642.5	677.4	712.3	757.4
10°	523.4	531.6	533.7	535.7	550.1	550.1	580.9	615.8	658.9	704.1	757.4
12.5°	529.6	529.6	523.4	521.4	529.6	527.5	554.2	595.3	642.5	706.1	765.6
15°	548.1	548.1	535.7	523.4	535.7	531.6	554.2	587.1	642.5	708.2	782.1
17.5°	572.7	574.7	560.4	539.9	544.0	546.0	562.4	593.2	642.5	712.3	804.6
20°	622.0	611.7	589.1	556.3	570.6	564.5	589.1	615.8	654.8	728.7	837.5
22.5°	665.1	665.1	622.0	593.2	595.3	595.3	617.9	640.4	673.3	751.3	862.1
25°	734.9	730.8	677.4	634.3	638.4	640.4	652.8	679.4	704.1	763.6	892.9
27.5°	823.1	812.9	759.5	710.2	693.8	700.0	706.1	726.6	732.8	784.1	929.9
30°	917.5	903.2	858.0	780.0	771.8	773.9	763.6	775.9	767.7	817.0	966.8
32.5°	977.1	977.1	934.0	876.5	853.9	853.9	819.0	827.2	827.2	847.8	1032.5
35°	1028.4	1024.3	995.5	952.4	938.1	929.9	895.0	907.3	886.8	907.3	1124.9
37.5°	1106.4	1094.1	1081.8	1053.0	1024.3	1018.1	999.7	1007.9	979.1	968.9	1229.6
40°	1196.7	1190.6	1178.2	1165.9	1137.2	1135.1	1114.6	1122.8	1092.0	1053.0	1334.2
42.5°	1330.1	1311.7	1272.7	1262.4	1268.6	1276.8	1268.6	1254.2	1198.8	1149.5	1447.1
45°	1463.6	1434.8	1360.9	1344.5	1391.7	1385.6	1420.5	1414.3	1324.0	1246.0	1566.2
47.5°	1549.8	1525.1	1465.6	1455.3	1475.9	1484.1	1588.8	1570.3	1426.6	1334.2	1681.1
50°	1611.4	1613.4	1535.4	1562.1	1588.8	1588.8	1720.1	1718.1	1551.8	1443.0	1831.0
52.5°	1701.7	1672.9	1640.1	1664.7	1701.7	1722.2	1884.4	1839.2	1629.8	1535.4	1999.3
55°	1748.9	1736.6	1707.8	1750.9	1828.9	1839.2	2011.6	1976.7	1718.1	1644.2	2171.7
57.5°	1767.4	1777.6	1824.8	1843.3	1952.1	1978.8	2126.6	2077.3	1800.2	1779.7	2305.2
60°	1849.5	1835.1	1898.7	1972.6	2077.3	2091.7	2270.3	2163.5	1880.3	1867.9	2348.3
62.5°	2015.7	1978.8	2013.7	2101.9	2247.7	2266.2	2422.2	2278.5	1915.1	1927.5	2346.2
65°	2257.9	2231.3	2179.9	2249.7	2455.0	2481.7	2600.7	2377.0	1904.9	1906.9	2179.9
67.5°	2543.3	2500.2	2446.8	2489.9	2740.3	2801.9	2818.3	2420.1	1833.0	1792.0	1773.5
70°	2793.7	2765.0	2730.1	2804.0	3152.9	3175.5	3089.3	2393.4	1633.9	1438.9	1182.3
72.5°	3027.7	3013.3	3033.9	3311.0	3711.2	3725.6	3343.8	2225.1	1291.1	872.4	550.1
75°	3046.2	3031.8	3173.4	3729.7	4411.2	4437.9	3501.9	1744.8	681.5	355.1	232.0
77.5°	2062.9	2106.0	2370.8	3265.8	4052.0	4058.1	2863.5	810.8	281.2	209.4	162.2
80°	507.0	562.4	892.9	1689.4	2732.1	2799.8	1568.2	273.0	184.7	160.1	121.1
82.5°	184.7	201.2	363.3	763.6	1535.4	1562.1	548.1	147.8	133.4	123.2	88.3
85°	88.3	90.3	172.4	375.6	775.9	767.7	197.1	88.3	96.5	84.2	53.4
87.5°	36.9	36.9	75.9	174.5	342.8	332.5	63.6	41.1	55.4	49.3	26.7
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°	763.6	763.6	763.6	763.6	763.6	763.6	763.6	763.6	763.6	763.6	763.6
2.5°	765.6	769.8	786.2	798.5	810.8	821.1	837.5	837.5	847.8	847.8	847.8
5°	763.6	786.2	812.9	841.6	860.1	878.5	895.0	897.0	903.2	911.4	913.4
7.5°	771.8	794.4	837.5	878.5	901.1	909.3	929.9	923.7	923.7	923.7	929.9
10°	788.2	812.9	872.4	909.3	925.8	927.8	921.7	917.5	905.2	901.1	895.0
12.5°	800.5	843.6	903.2	931.9	925.8	919.6	905.2	884.7	870.3	866.2	866.2
15°	831.3	874.4	929.9	940.1	929.9	897.0	878.5	856.0	843.6	825.2	833.4
17.5°	858.0	907.3	956.5	944.2	923.7	872.4	845.7	812.9	796.4	775.9	775.9
20°	892.9	938.1	981.2	948.3	903.2	847.8	804.6	763.6	741.0	720.5	724.6
22.5°	931.9	973.0	995.5	931.9	872.4	808.8	749.2	710.2	681.5	669.2	673.3
25°	962.7	1007.9	1003.8	905.2	835.4	759.5	693.8	656.9	650.7	638.4	638.4
27.5°	1001.7	1048.9	997.6	872.4	773.9	681.5	640.4	626.1	626.1	619.9	624.0
30°	1053.0	1085.9	983.2	825.2	695.9	611.7	591.2	599.4	613.7	607.6	609.6
32.5°	1137.2	1133.1	970.9	771.8	613.7	544.0	558.3	574.7	587.1	593.2	597.3
35°	1219.3	1192.6	956.5	700.0	537.8	511.1	523.4	541.9	564.5	570.6	572.7
37.5°	1301.4	1254.2	931.9	611.7	490.6	482.4	494.7	505.0	523.4	527.5	531.6
40°	1387.6	1295.2	888.8	525.5	451.6	451.6	459.8	461.9	472.1	478.3	482.4
42.5°	1463.6	1334.2	810.8	445.4	410.5	424.9	427.0	422.9	414.6	418.7	420.8
45°	1555.9	1377.3	720.5	388.0	379.7	398.2	402.3	385.9	371.5	363.3	359.2
47.5°	1646.2	1422.5	642.5	340.7	351.0	379.7	379.7	361.3	336.6	316.1	307.9
50°	1728.4	1467.7	578.9	312.0	322.3	365.4	369.5	334.6	307.9	283.3	279.2
52.5°	1865.9	1543.6	513.2	289.4	305.8	355.1	353.1	322.3	287.4	260.7	258.6
55°	1987.0	1619.6	427.0	266.8	289.4	340.7	346.9	310.0	262.7	238.1	234.0
57.5°	2075.3	1638.0	340.7	244.3	273.0	324.3	332.5	285.3	246.3	225.8	223.7
60°	2091.7	1566.2	277.1	225.8	250.4	301.7	307.9	271.0	234.0	217.6	213.5
62.5°	2015.7	1428.7	236.1	209.4	232.0	279.2	291.5	254.5	221.7	207.3	205.3
65°	1843.3	1227.5	207.3	195.0	219.6	262.7	277.1	242.2	211.4	199.1	197.1
67.5°	1459.5	942.2	184.7	184.7	203.2	246.3	266.8	234.0	201.2	193.0	190.9
70°	954.5	566.5	168.3	170.4	190.9	232.0	254.5	223.7	188.8	186.8	182.7
72.5°	410.5	260.7	149.8	156.0	172.4	207.3	236.1	209.4	174.5	168.3	162.2
75°	188.8	158.1	135.5	139.6	154.0	182.7	213.5	193.0	162.2	151.9	145.7
77.5°	133.4	114.9	112.9	121.1	131.4	158.1	188.8	180.6	149.8	141.6	137.5
80°	98.5	88.3	94.4	102.6	108.8	145.7	178.6	166.3	137.5	125.2	119.1
82.5°	69.8	65.7	73.9	82.1	88.3	127.3	164.2	145.7	114.9	104.7	94.4
85°	41.1	43.1	51.3	55.4	61.6	94.4	137.5	117.0	88.3	67.7	65.7
87.5°	18.5	18.5	24.6	26.7	30.8	55.4	92.4	73.9	55.4	43.1	41.1
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)