

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: P675371

Luminaire Tested: **CCW-SA-1F-722-U-SL2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675371  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-722-U-SL2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/  
SL2 distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

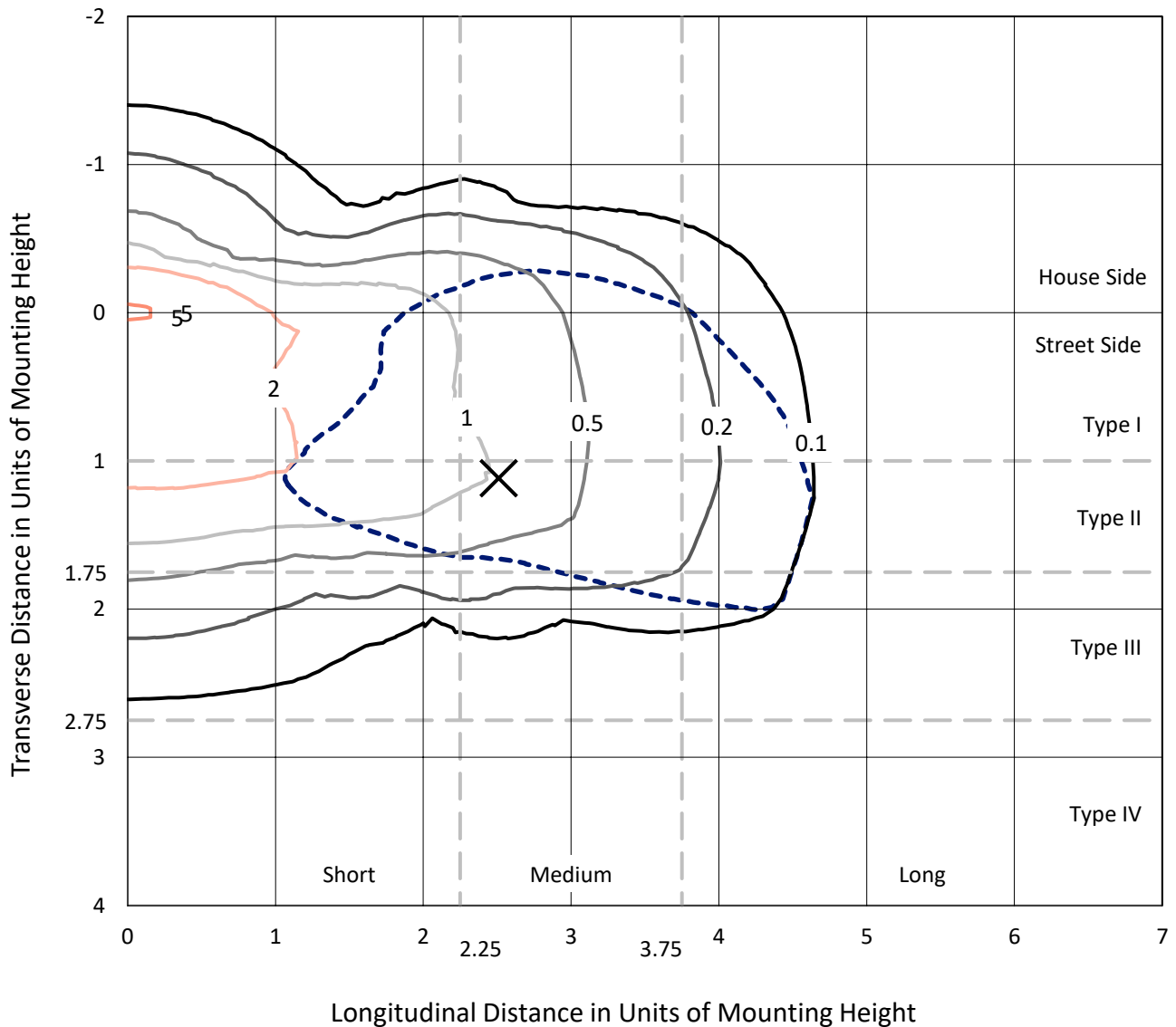
Lumens per Lamp: N/A  
Luminaire Lumens: 5465.9 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 67  
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

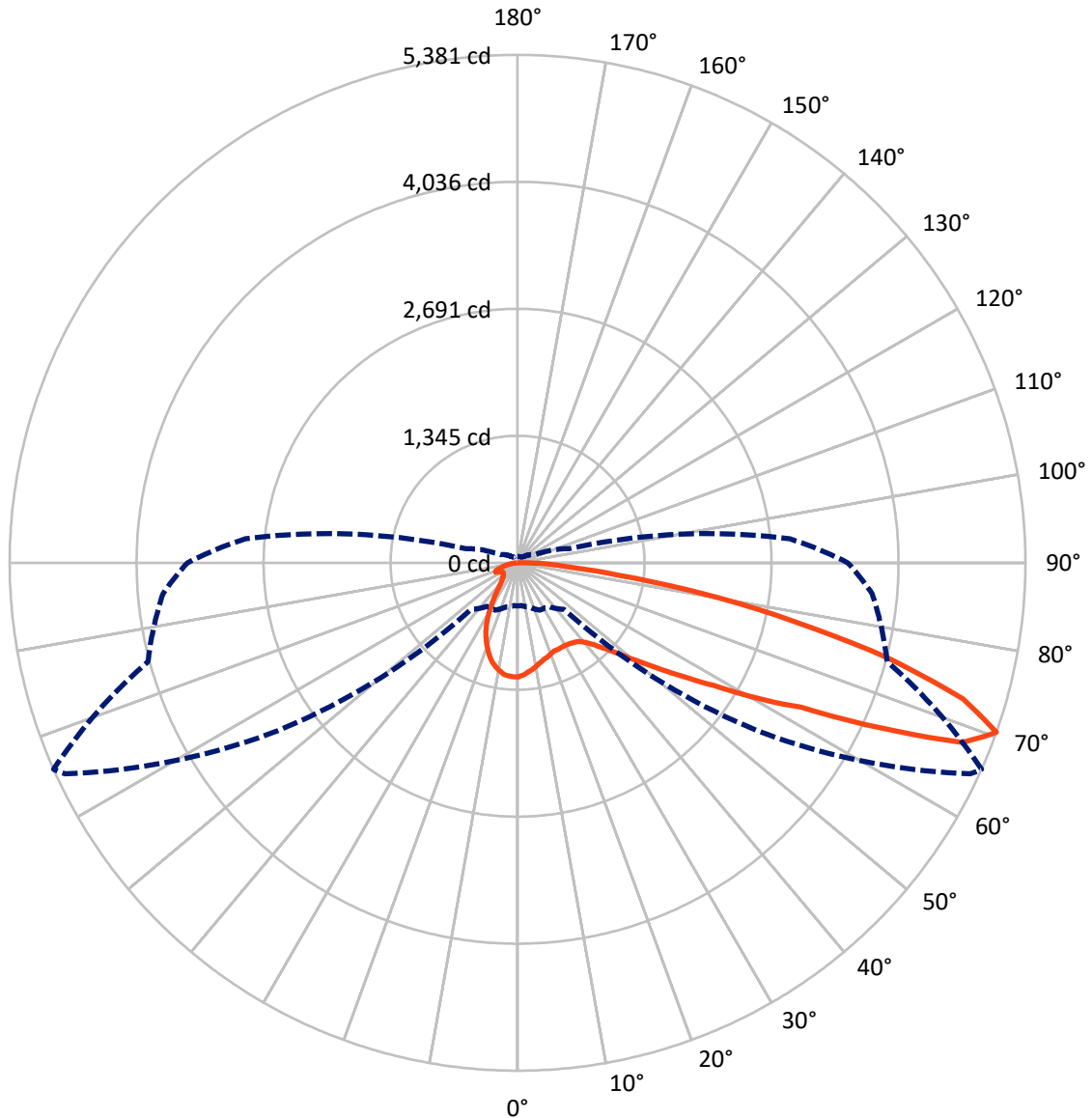
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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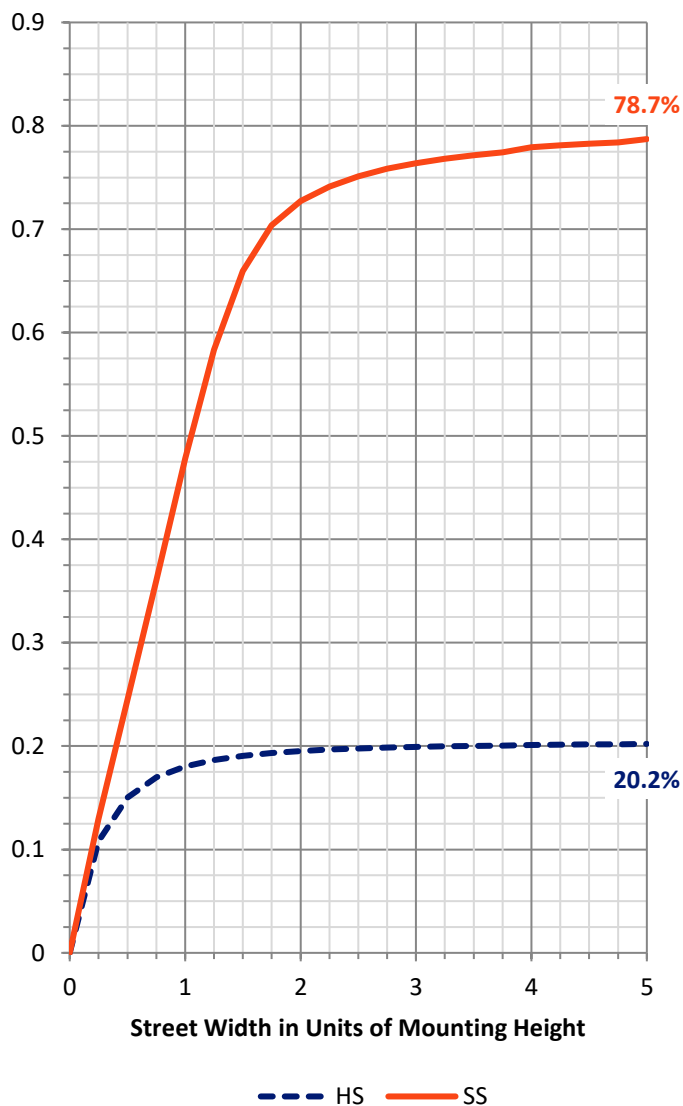
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1118.8	0.0	1118.8
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	4347.1	0.0	4347.1
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	5465.9	0.0	5465.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.8	2.0
10°-20°	262.8	4.8
20°-30°	361.0	6.6
30°-40°	484.0	8.9
40°-50°	702.2	12.8
50°-60°	1067.4	19.5
60°-70°	1318.3	24.1
70°-80°	980.4	17.9
80°-90°	182.9	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°	5465.9	100.0
0°-180°	5465.9	100.0

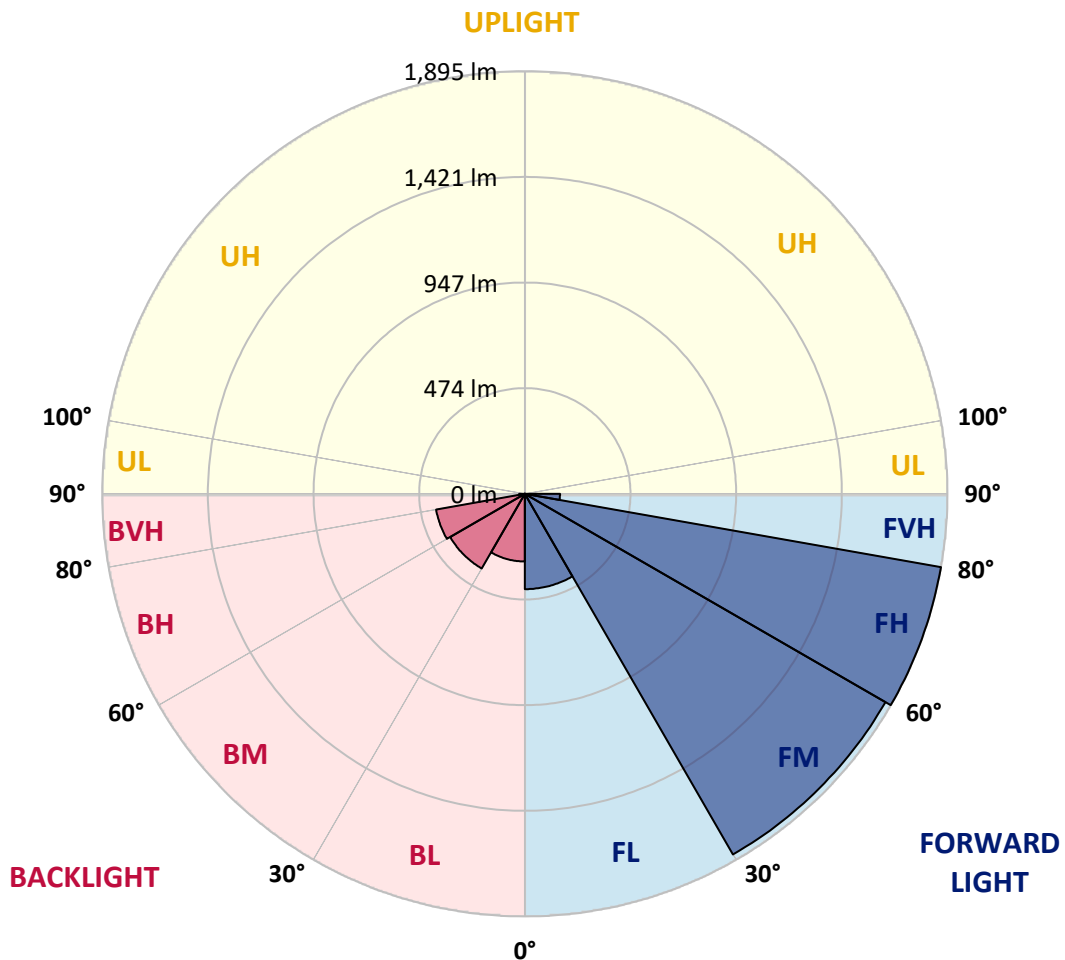


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.4	7.8			
FM (30°-60°)	1867.2	34.2			
FH (60°-80°)	1894.8	34.7			G2/5000
FVH (80°-90°)	157.6	2.9			G2/225
BL (0°-30°)	303.2	5.5	B1/500		
BM (30°-60°)	386.5	7.1	B1/1000		
BH (60°-80°)	403.9	7.4	B1/500		G1/500
BVH (80°-90°)	25.2	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-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6
2.5°	1148.6	1154.7	1156.8	1160.8	1171.0	1179.1	1191.3	1197.4	1191.3	1199.4	1199.4
5°	1069.3	1061.2	1081.5	1089.7	1101.9	1118.1	1146.6	1168.9	1162.8	1187.2	1207.6
7.5°	1002.2	1002.2	1008.3	1026.6	1040.9	1065.3	1095.8	1130.3	1140.5	1173.0	1203.5
10°	941.3	949.4	949.4	977.9	986.0	1014.4	1065.3	1108.0	1110.0	1164.9	1207.6
12.5°	908.7	904.7	925.0	933.1	957.5	986.0	1026.6	1079.5	1081.5	1140.5	1199.4
15°	882.3	886.4	896.5	916.9	939.2	961.6	1000.2	1049.0	1059.2	1128.3	1195.4
17.5°	884.3	886.4	886.4	900.6	918.9	945.3	981.9	1038.8	1044.9	1112.0	1189.3
20°	896.5	888.4	894.5	900.6	912.8	937.2	967.7	1016.5	1022.6	1110.0	1203.5
22.5°	923.0	916.9	914.8	912.8	910.8	925.0	963.6	1004.3	1010.4	1099.8	1209.6
25°	965.7	963.6	949.4	935.2	925.0	925.0	955.5	1014.4	1012.4	1099.8	1213.7
27.5°	1016.5	1016.5	1014.4	988.0	957.5	941.3	961.6	1010.4	1008.3	1099.8	1223.8
30°	1085.6	1085.6	1079.5	1055.1	1000.2	953.5	965.7	1006.3	1012.4	1091.7	1215.7
32.5°	1160.8	1158.8	1164.9	1142.5	1085.6	1010.4	990.0	1014.4	1020.5	1099.8	1217.7
35°	1215.7	1227.9	1248.2	1227.9	1171.0	1069.3	1024.6	1030.7	1034.8	1101.9	1225.9
37.5°	1278.7	1293.0	1321.4	1337.7	1276.7	1158.8	1079.5	1057.1	1057.1	1128.3	1227.9
40°	1370.2	1356.0	1404.8	1433.2	1408.8	1268.6	1164.9	1105.9	1108.0	1162.8	1254.3
42.5°	1437.3	1451.5	1502.4	1553.2	1522.7	1402.7	1258.4	1185.2	1185.2	1213.7	1295.0
45°	1512.5	1528.8	1599.9	1660.9	1683.3	1563.3	1386.5	1299.1	1295.0	1313.3	1368.2
47.5°	1595.9	1618.2	1699.5	1770.7	1829.7	1730.0	1551.1	1437.3	1435.3	1449.5	1490.2
50°	1691.4	1699.5	1766.6	1896.7	2014.7	1951.6	1752.4	1632.5	1622.3	1628.4	1683.3
52.5°	1719.9	1713.8	1791.0	1931.3	2146.8	2222.0	2026.9	1854.1	1850.0	1835.8	1906.9
55°	1616.2	1636.5	1711.7	1890.6	2254.5	2541.2	2327.7	2157.0	2120.4	2081.7	2167.1
57.5°	1408.8	1410.9	1496.3	1707.7	2171.2	2805.5	2838.0	2453.8	2455.8	2352.1	2449.7
60°	1095.8	1089.7	1156.8	1347.8	1933.3	2886.8	3395.0	2927.5	2907.1	2622.5	2712.0
62.5°	790.8	778.6	792.9	904.7	1445.4	2762.8	3941.9	3458.1	3372.7	2899.0	2968.1
65°	650.5	656.6	662.7	668.8	811.1	2278.9	4110.6	4324.1	4210.2	3222.2	3250.7
67.5°	538.7	542.8	569.2	605.8	601.8	1345.8	3915.5	5125.1	5082.4	3622.7	3494.6
70°	457.4	455.4	485.9	553.0	563.1	699.3	3100.3	5289.7	5381.2	4053.7	3771.1
72.5°	365.9	370.0	396.4	485.9	553.0	589.6	1784.9	4936.0	4934.0	4385.1	3622.7
75°	262.3	262.3	298.8	402.5	534.7	583.5	988.0	4007.0	4082.2	4120.8	3142.9
77.5°	172.8	180.9	209.4	300.9	502.1	571.3	626.1	2913.2	3006.7	3082.0	2405.0
80°	117.9	122.0	140.3	209.4	424.9	575.3	512.3	1959.8	1996.4	1701.6	975.8
82.5°	71.2	73.2	93.5	146.4	304.9	546.9	481.8	1081.5	1059.2	514.3	280.5
85°	38.6	40.7	59.0	97.6	201.3	477.7	473.7	530.6	494.0	189.1	117.9
87.5°	14.2	14.2	26.4	48.8	115.9	327.3	412.7	315.1	294.8	95.5	54.9
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°	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6
2.5°	1209.6	1209.6	1209.6	1209.6	1207.6	1199.4	1205.5	1203.5	1191.3	1193.3	1185.2
5°	1205.5	1215.7	1209.6	1201.5	1191.3	1166.9	1158.8	1152.7	1136.4	1130.3	1136.4
7.5°	1215.7	1207.6	1203.5	1189.3	1148.6	1126.3	1097.8	1063.2	1038.8	1032.7	1038.8
10°	1213.7	1213.7	1195.4	1154.7	1116.1	1051.0	1014.4	953.5	918.9	908.7	910.8
12.5°	1205.5	1211.6	1183.2	1118.1	1044.9	965.7	898.6	833.5	772.5	748.1	744.1
15°	1213.7	1207.6	1156.8	1073.4	971.8	862.0	764.4	668.8	611.9	575.3	567.2
17.5°	1201.5	1195.4	1122.2	1012.4	876.2	735.9	614.0	510.3	453.3	439.1	439.1
20°	1215.7	1177.1	1081.5	939.2	776.6	597.7	459.4	382.2	368.0	368.0	372.0
22.5°	1213.7	1173.0	1047.0	868.1	656.6	451.3	341.5	319.2	321.2	337.5	335.4
25°	1201.5	1164.9	998.2	788.8	530.6	339.5	282.6	276.5	290.7	309.0	307.0
27.5°	1199.4	1142.5	953.5	695.3	404.6	268.3	246.0	246.0	260.2	276.5	274.4
30°	1187.2	1124.2	898.6	589.6	304.9	233.8	225.7	225.7	231.8	239.9	239.9
32.5°	1185.2	1099.8	837.6	479.8	244.0	211.4	207.4	209.4	209.4	213.5	211.4
35°	1168.9	1067.3	774.6	372.0	211.4	199.2	195.2	193.1	193.1	191.1	191.1
37.5°	1162.8	1047.0	709.5	288.7	197.2	189.1	185.0	178.9	176.9	176.9	174.8
40°	1168.9	1026.6	646.5	233.8	185.0	180.9	174.8	166.7	164.7	164.7	164.7
42.5°	1191.3	1024.6	581.4	203.3	178.9	172.8	164.7	156.5	154.5	156.5	154.5
45°	1242.1	1040.9	518.4	189.1	170.8	164.7	154.5	148.4	146.4	148.4	148.4
47.5°	1325.5	1085.6	461.5	180.9	164.7	156.5	146.4	140.3	140.3	140.3	140.3
50°	1463.7	1171.0	406.6	174.8	160.6	150.4	140.3	132.1	130.1	130.1	132.1
52.5°	1671.1	1317.4	361.9	170.8	154.5	142.3	132.1	126.0	122.0	119.9	122.0
55°	1921.1	1530.8	347.6	166.7	146.4	136.2	126.0	117.9	113.8	113.8	111.8
57.5°	2189.5	1766.6	372.0	162.6	140.3	128.1	117.9	109.8	105.7	103.7	103.7
60°	2480.2	2045.2	461.5	160.6	134.2	119.9	109.8	103.7	97.6	95.5	95.5
62.5°	2744.5	2297.2	622.1	158.6	130.1	111.8	101.6	93.5	89.4	87.4	87.4
65°	3045.4	2577.8	778.6	166.7	128.1	105.7	93.5	85.4	81.3	79.3	79.3
67.5°	3307.6	2821.7	870.1	187.0	134.2	97.6	83.4	77.3	75.2	73.2	73.2
70°	3498.7	2897.0	583.5	205.3	144.3	91.5	75.2	71.2	67.1	67.1	67.1
72.5°	3242.6	2585.9	345.6	193.1	136.2	85.4	67.1	63.0	61.0	61.0	59.0
75°	2772.9	2201.7	266.3	156.5	109.8	73.2	59.0	54.9	52.9	52.9	50.8
77.5°	2047.2	1577.6	197.2	124.0	85.4	59.0	50.8	48.8	46.8	44.7	44.7
80°	801.0	691.2	134.2	91.5	63.0	46.8	42.7	40.7	38.6	36.6	36.6
82.5°	248.0	209.4	77.3	61.0	44.7	36.6	34.6	32.5	30.5	28.5	28.5
85°	107.7	103.7	50.8	38.6	30.5	24.4	24.4	22.4	20.3	18.3	18.3
87.5°	52.9	50.8	28.5	18.3	16.3	12.2	12.2	10.2	8.1	8.1	8.1
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)