

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: P671241

Luminaire Tested: **CCP-SA-2A-735-U-SL2**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671241  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-735-U-SL2  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL2 distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

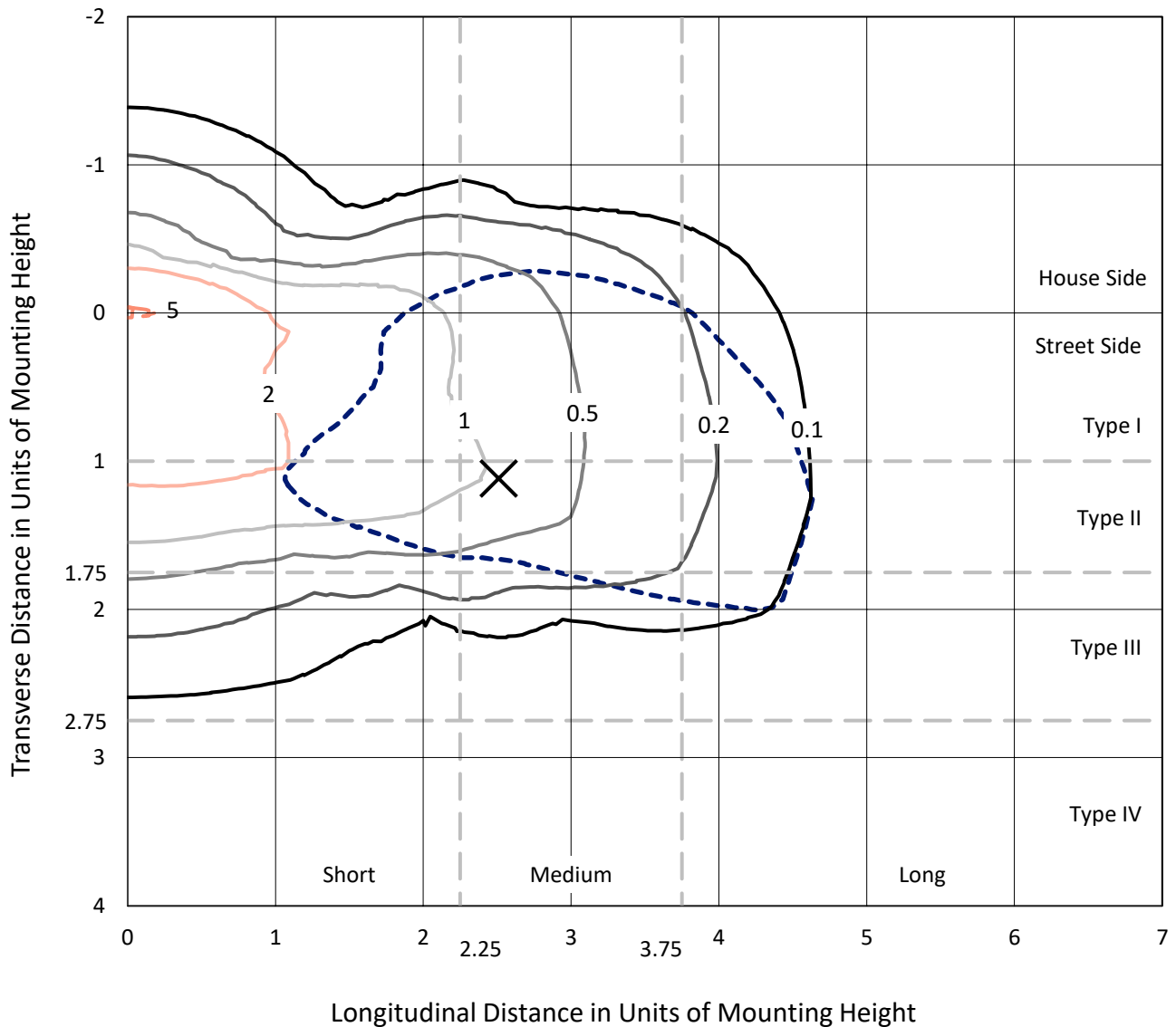
Lumens per Lamp: N/A  
Luminaire Lumens: 5341 lumens  
Efficiency: N/A  
Efficacy: 147.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2  
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

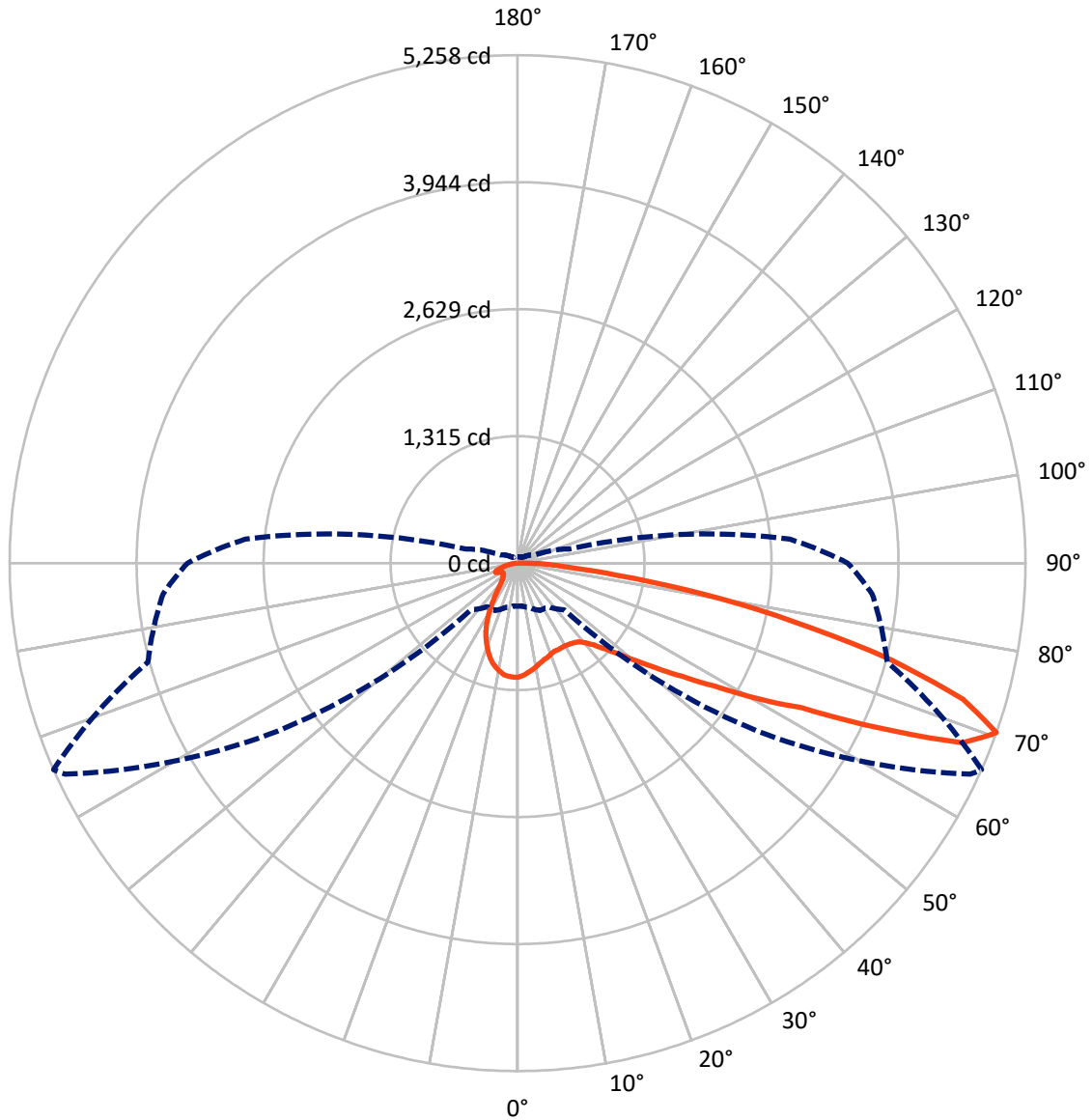
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 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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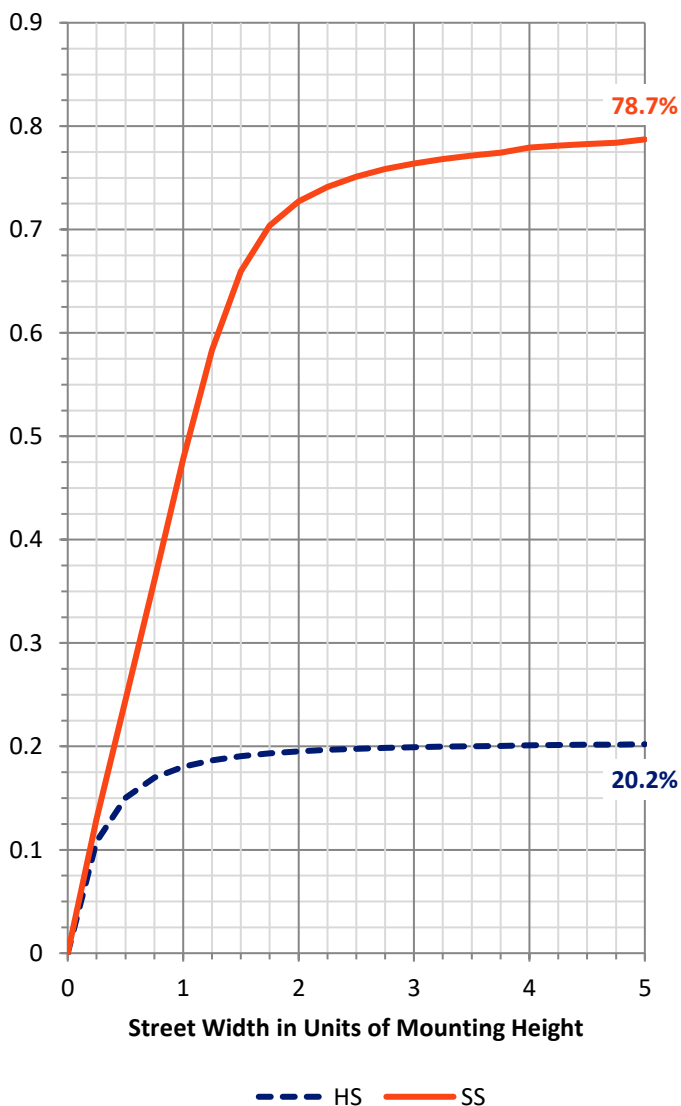
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1093.2	0.0	1093.2
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	4247.8	0.0	4247.8
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	5341.0	0.0	5341.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.3	2.0
10°-20°	256.8	4.8
20°-30°	352.8	6.6
30°-40°	472.9	8.9
40°-50°	686.2	12.8
50°-60°	1043.1	19.5
60°-70°	1288.2	24.1
70°-80°	958.0	17.9
80°-90°	178.7	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°	5341.0	100.0
0°-180°	5341.0	100.0



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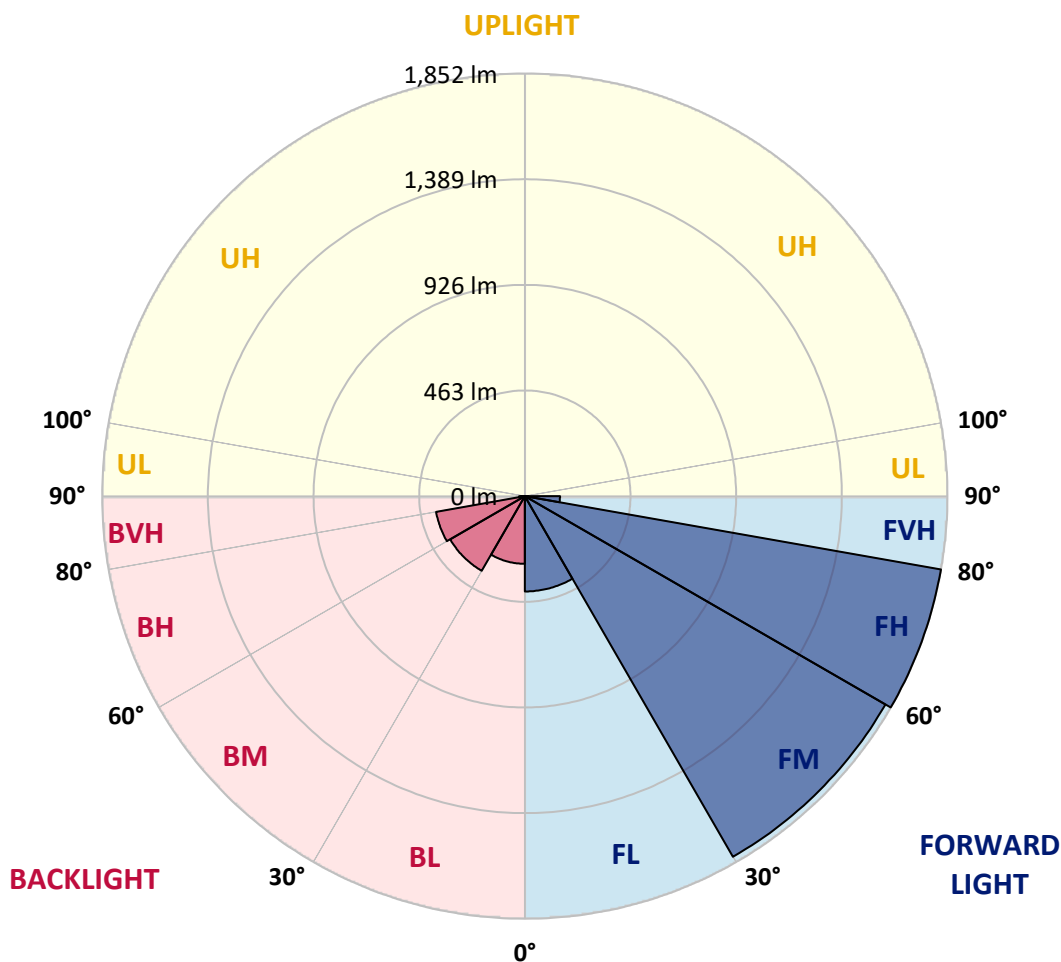
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.6	7.8			
FM (30°-60°)	1824.6	34.2			
FH (60°-80°)	1851.6	34.7			G2/5000
FVH (80°-90°)	154.0	2.9			G2/225
BL (0°-30°)	296.3	5.5	B1/500		
BM (30°-60°)	377.6	7.1	B1/1000		
BH (60°-80°)	394.6	7.4	B1/500		G1/500
BVH (80°-90°)	24.7	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°	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0
2.5°	1122.4	1128.3	1130.3	1134.3	1144.2	1152.2	1164.1	1170.1	1164.1	1172.1	1172.1
5°	1044.9	1037.0	1056.8	1064.8	1076.7	1092.6	1120.4	1142.3	1136.3	1160.1	1180.0
7.5°	979.4	979.4	985.3	1003.2	1017.1	1040.9	1070.7	1104.5	1114.4	1146.2	1176.0
10°	919.8	927.7	927.7	955.5	963.5	991.3	1040.9	1082.7	1084.6	1138.3	1180.0
12.5°	888.0	884.0	903.9	911.8	935.7	963.5	1003.2	1054.8	1056.8	1114.4	1172.1
15°	862.2	866.1	876.1	895.9	917.8	939.6	977.4	1025.0	1035.0	1102.5	1168.1
17.5°	864.1	866.1	866.1	880.0	897.9	923.7	959.5	1015.1	1021.1	1086.6	1162.1
20°	876.1	868.1	874.1	880.0	892.0	915.8	945.6	993.3	999.2	1084.6	1176.0
22.5°	901.9	895.9	893.9	892.0	890.0	903.9	941.6	981.3	987.3	1074.7	1182.0
25°	943.6	941.6	927.7	913.8	903.9	903.9	933.7	991.3	989.3	1074.7	1186.0
27.5°	993.3	993.3	991.3	965.5	935.7	919.8	939.6	987.3	985.3	1074.7	1195.9
30°	1060.8	1060.8	1054.8	1031.0	977.4	931.7	943.6	983.3	989.3	1066.8	1187.9
32.5°	1134.3	1132.3	1138.3	1116.4	1060.8	987.3	967.4	991.3	997.2	1074.7	1189.9
35°	1187.9	1199.9	1219.7	1199.9	1144.2	1044.9	1001.2	1007.2	1011.1	1076.7	1197.9
37.5°	1249.5	1263.4	1291.2	1307.1	1247.5	1132.3	1054.8	1033.0	1033.0	1102.5	1199.9
40°	1338.9	1325.0	1372.7	1400.5	1376.7	1239.6	1138.3	1080.7	1082.7	1136.3	1225.7
42.5°	1404.5	1418.4	1468.0	1517.7	1487.9	1370.7	1229.7	1158.1	1158.1	1186.0	1265.4
45°	1478.0	1493.9	1563.4	1623.0	1644.8	1527.6	1354.8	1269.4	1265.4	1283.3	1336.9
47.5°	1559.4	1581.3	1660.7	1730.3	1787.9	1690.5	1515.7	1404.5	1402.5	1416.4	1456.1
50°	1652.8	1660.7	1726.3	1853.4	1968.6	1907.1	1712.4	1595.2	1585.2	1591.2	1644.8
52.5°	1680.6	1674.6	1750.1	1887.2	2097.8	2171.3	1980.6	1811.7	1807.7	1793.8	1863.4
55°	1579.3	1599.2	1672.7	1847.5	2203.1	2483.2	2274.6	2107.7	2071.9	2034.2	2117.6
57.5°	1376.7	1378.7	1462.1	1668.7	2121.6	2741.4	2773.2	2397.7	2399.7	2298.4	2393.8
60°	1070.7	1064.8	1130.3	1317.1	1889.2	2820.9	3317.5	2860.6	2840.7	2562.6	2650.0
62.5°	772.8	760.8	774.7	884.0	1412.4	2699.7	3851.9	3379.1	3295.7	2832.8	2900.3
65°	635.7	641.6	647.6	653.6	792.6	2226.9	4016.8	4225.3	4114.1	3148.6	3176.5
67.5°	526.4	530.4	556.2	592.0	588.0	1315.1	3826.1	5008.0	4966.3	3540.0	3414.8
70°	447.0	445.0	474.8	540.3	550.3	683.4	3029.5	5168.9	5258.3	3961.1	3685.0
72.5°	357.6	361.5	387.4	474.8	540.3	576.1	1744.2	4823.3	4821.3	4284.9	3540.0
75°	256.3	256.3	292.0	393.3	522.5	570.1	965.5	3915.4	3988.9	4026.7	3071.2
77.5°	168.9	176.8	204.6	294.0	490.7	558.2	611.9	2846.7	2938.1	3011.6	2350.1
80°	115.2	119.2	137.1	204.6	415.2	562.2	500.6	1915.0	1950.8	1662.7	953.5
82.5°	69.5	71.5	91.4	143.0	298.0	534.4	470.8	1056.8	1035.0	502.6	274.1
85°	37.7	39.7	57.6	95.4	196.7	466.8	462.9	518.5	482.7	184.7	115.2
87.5°	13.9	13.9	25.8	47.7	113.2	319.8	403.3	307.9	288.0	93.4	53.6
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°	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0
2.5°	1182.0	1182.0	1182.0	1182.0	1180.0	1172.1	1178.0	1176.0	1164.1	1166.1	1158.1
5°	1178.0	1187.9	1182.0	1174.0	1164.1	1140.3	1132.3	1126.4	1110.5	1104.5	1110.5
7.5°	1187.9	1180.0	1176.0	1162.1	1122.4	1100.5	1072.7	1039.0	1015.1	1009.2	1015.1
10°	1186.0	1186.0	1168.1	1128.3	1090.6	1027.0	991.3	931.7	897.9	888.0	890.0
12.5°	1178.0	1184.0	1156.2	1092.6	1021.1	943.6	878.0	814.5	754.9	731.0	727.1
15°	1186.0	1180.0	1130.3	1048.9	949.6	842.3	746.9	653.6	597.9	562.2	554.2
17.5°	1174.0	1168.1	1096.6	989.3	856.2	719.1	599.9	498.6	443.0	429.1	429.1
20°	1187.9	1150.2	1056.8	917.8	758.9	584.0	449.0	373.5	359.6	359.6	363.5
22.5°	1186.0	1146.2	1023.1	848.2	641.6	441.0	333.7	311.9	313.9	329.8	327.8
25°	1174.0	1138.3	975.4	770.8	518.5	331.8	276.1	270.2	284.1	302.0	300.0
27.5°	1172.1	1116.4	931.7	679.4	395.3	262.2	240.4	240.4	254.3	270.2	268.2
30°	1160.1	1098.6	878.0	576.1	298.0	228.5	220.5	220.5	226.5	234.4	234.4
32.5°	1158.1	1074.7	818.4	468.8	238.4	206.6	202.6	204.6	204.6	208.6	206.6
35°	1142.3	1042.9	756.9	363.5	206.6	194.7	190.7	188.7	188.7	186.7	186.7
37.5°	1136.3	1023.1	693.3	282.1	192.7	184.7	180.8	174.8	172.8	172.8	170.8
40°	1142.3	1003.2	631.7	228.5	180.8	176.8	170.8	162.9	160.9	160.9	160.9
42.5°	1164.1	1001.2	568.1	198.7	174.8	168.9	160.9	153.0	151.0	153.0	151.0
45°	1213.8	1017.1	506.6	184.7	166.9	160.9	151.0	145.0	143.0	145.0	145.0
47.5°	1295.2	1060.8	450.9	176.8	160.9	153.0	143.0	137.1	137.1	137.1	137.1
50°	1430.3	1144.2	397.3	170.8	156.9	147.0	137.1	129.1	127.1	127.1	129.1
52.5°	1632.9	1287.3	353.6	166.9	151.0	139.1	129.1	123.2	119.2	117.2	119.2
55°	1877.3	1495.9	339.7	162.9	143.0	133.1	123.2	115.2	111.2	111.2	109.3
57.5°	2139.5	1726.3	363.5	158.9	137.1	125.2	115.2	107.3	103.3	101.3	101.3
60°	2423.6	1998.4	450.9	156.9	131.1	117.2	107.3	101.3	95.4	93.4	93.4
62.5°	2681.8	2244.8	607.9	154.9	127.1	109.3	99.3	91.4	87.4	85.4	85.4
65°	2975.8	2518.9	760.8	162.9	125.2	103.3	91.4	83.4	79.5	77.5	77.5
67.5°	3232.1	2757.3	850.2	182.8	131.1	95.4	81.4	75.5	73.5	71.5	71.5
70°	3418.8	2830.8	570.1	200.6	141.0	89.4	73.5	69.5	65.6	65.6	65.6
72.5°	3168.5	2526.9	337.7	188.7	133.1	83.4	65.6	61.6	59.6	59.6	57.6
75°	2709.6	2151.4	260.2	153.0	107.3	71.5	57.6	53.6	51.6	51.6	49.7
77.5°	2000.4	1541.5	192.7	121.2	83.4	57.6	49.7	47.7	45.7	43.7	43.7
80°	782.7	675.4	131.1	89.4	61.6	45.7	41.7	39.7	37.7	35.8	35.8
82.5°	242.4	204.6	75.5	59.6	43.7	35.8	33.8	31.8	29.8	27.8	27.8
85°	105.3	101.3	49.7	37.7	29.8	23.8	23.8	21.9	19.9	17.9	17.9
87.5°	51.6	49.7	27.8	17.9	15.9	11.9	11.9	9.9	7.9	7.9	7.9
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)