

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: P671374

Luminaire Tested: **CCP-SA-2A-730-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671374  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-730-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

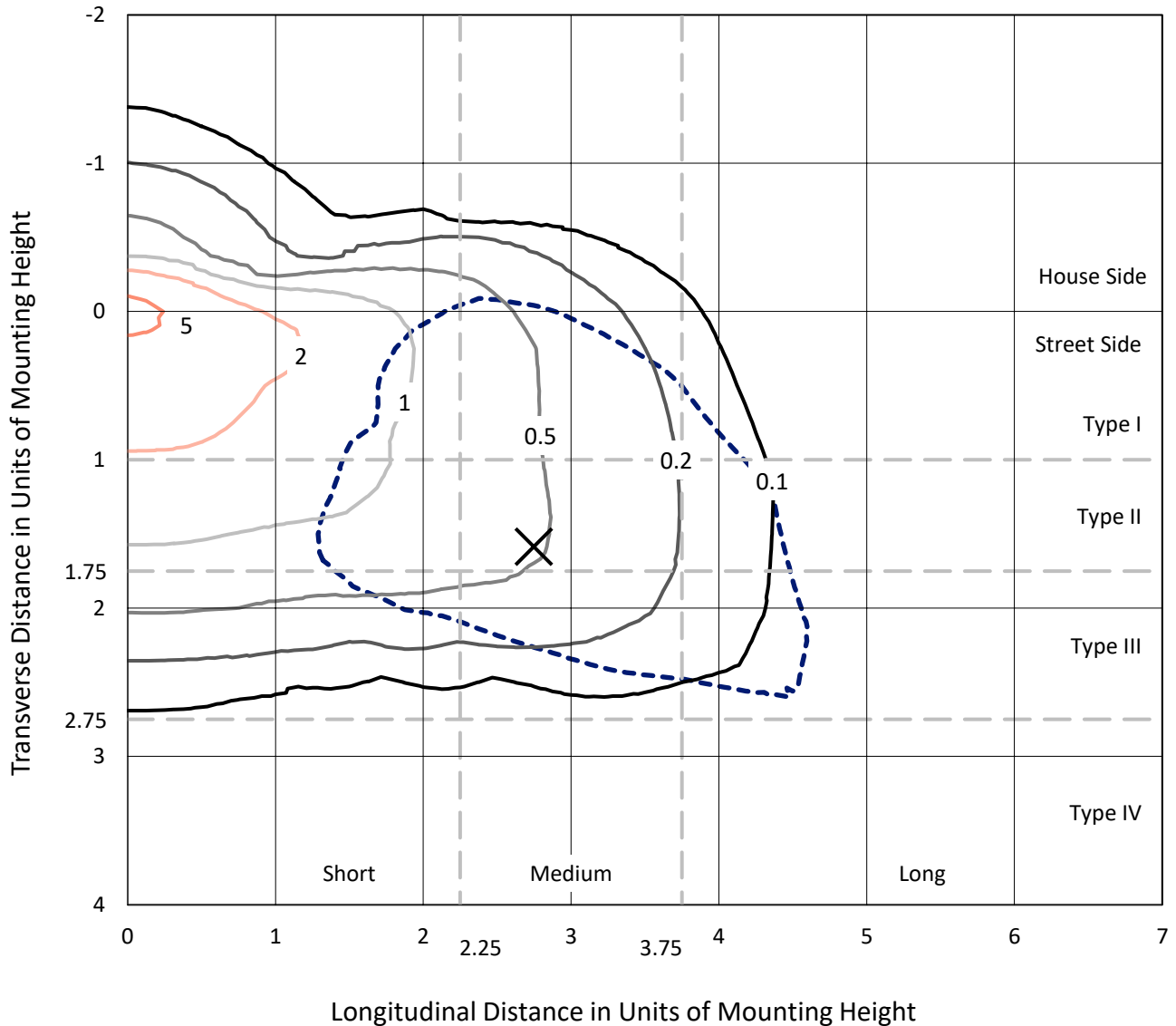
Lumens per Lamp: N/A  
Luminaire Lumens: 4926.4 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

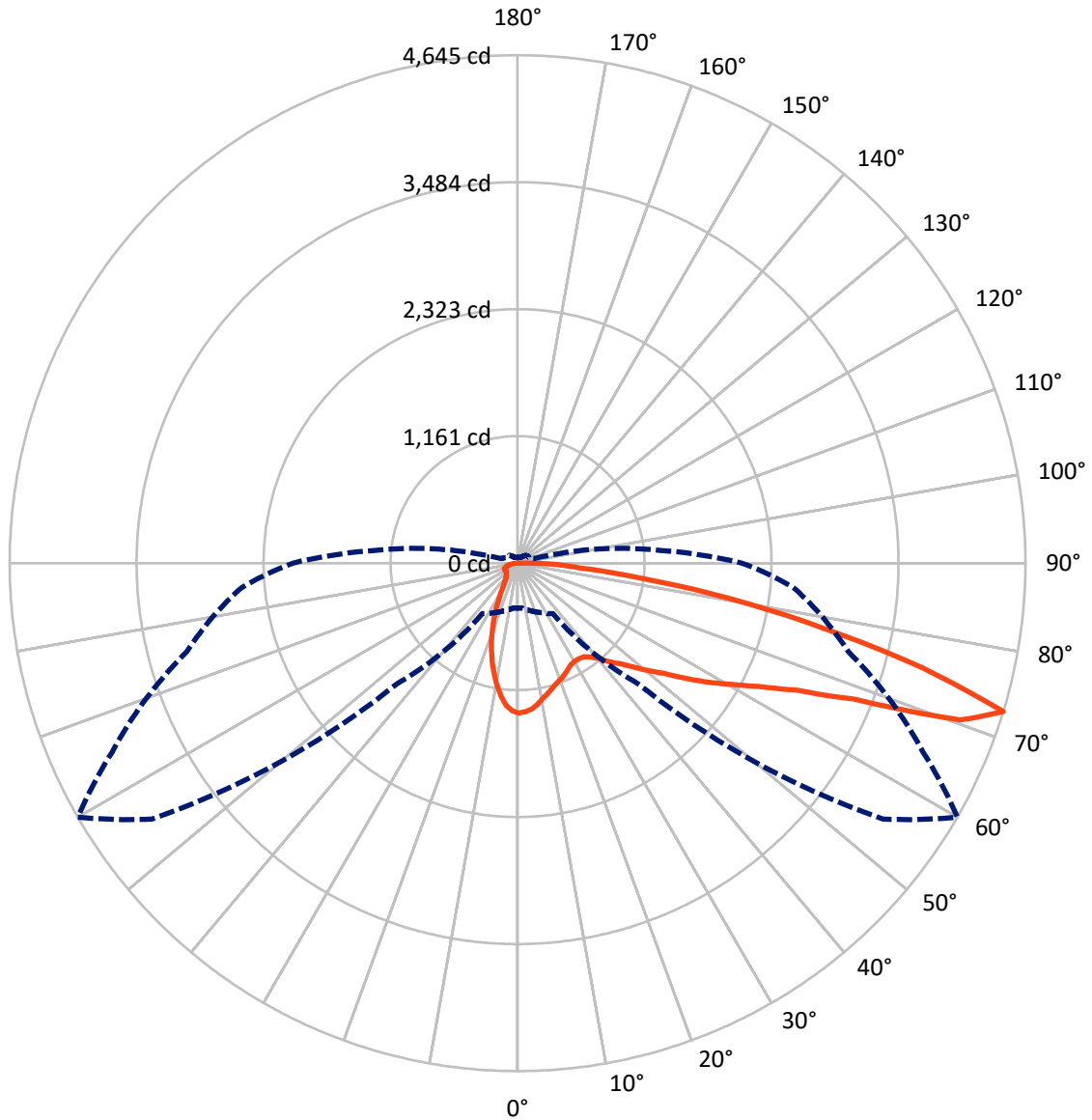
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 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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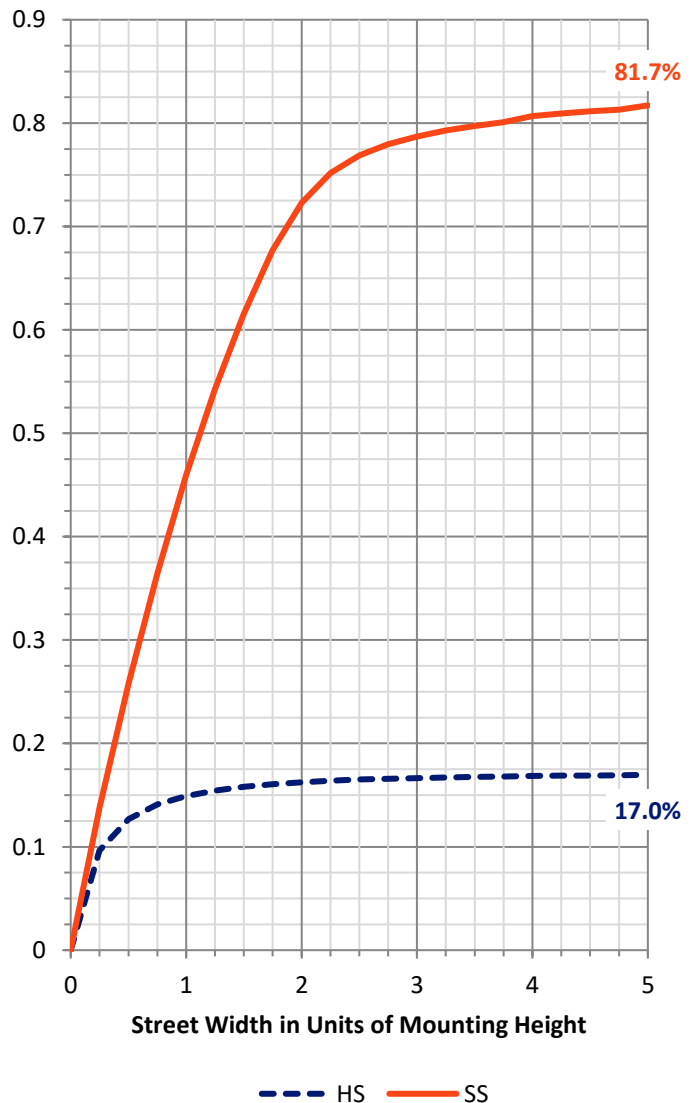
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	846.3	0.0	846.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	4080.1	0.0	4080.1
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	4926.4	0.0	4926.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	2.4
10°-20°	269.6	5.5
20°-30°	345.1	7.0
30°-40°	441.4	9.0
40°-50°	605.4	12.3
50°-60°	875.7	17.8
60°-70°	1201.3	24.4
70°-80°	901.4	18.3
80°-90°	167.5	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°	4926.4	100.0
0°-180°	4926.4	100.0



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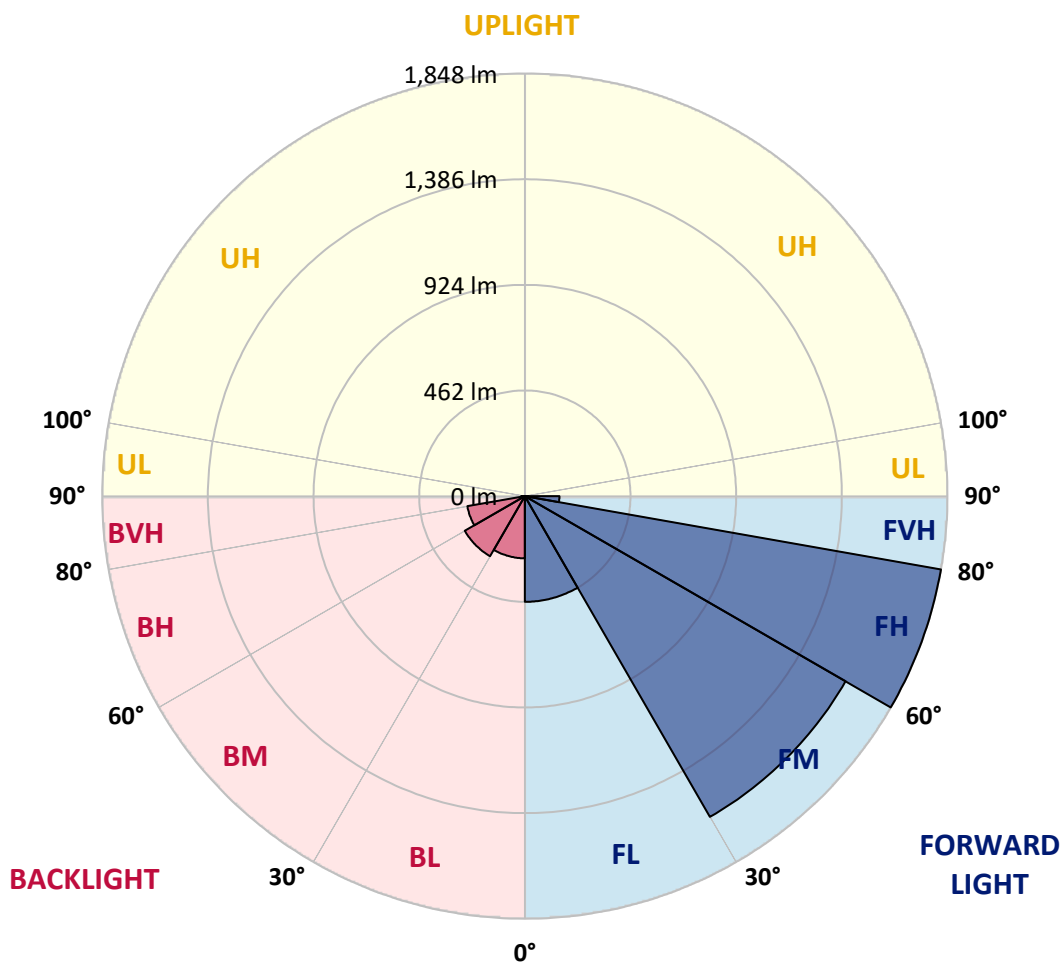
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	461.9	9.4			
FM (30°-60°)	1619.3	32.9			
FH (60°-80°)	1847.7	37.5			G2/5000
FVH (80°-90°)	151.2	3.1			G2/225
BL (0°-30°)	271.7	5.5	B1/500		
BM (30°-60°)	303.3	6.2	B1/1000		
BH (60°-80°)	255.0	5.2	B1/500		G1/500
BVH (80°-90°)	16.3	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°	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7
2.5°	1342.4	1355.2	1358.9	1358.9	1369.9	1357.1	1375.4	1360.7	1364.4	1369.9	1366.2
5°	1278.2	1300.2	1287.4	1311.2	1302.1	1318.6	1340.6	1340.6	1335.1	1346.1	1336.9
7.5°	1215.9	1208.5	1230.5	1230.5	1245.2	1267.2	1285.6	1303.9	1305.7	1309.4	1307.6
10°	1131.5	1140.7	1151.7	1166.4	1184.7	1206.7	1245.2	1259.9	1263.5	1285.6	1280.1
12.5°	1061.8	1074.7	1082.0	1111.3	1127.8	1159.0	1203.0	1223.2	1225.0	1256.2	1256.2
15°	1010.5	1017.8	1034.3	1045.3	1082.0	1126.0	1168.2	1186.5	1206.7	1239.7	1230.5
17.5°	975.6	984.8	992.1	1006.8	1041.6	1078.3	1144.3	1155.3	1179.2	1226.9	1215.9
20°	955.5	957.3	968.3	977.5	1008.6	1043.5	1102.2	1131.5	1162.7	1204.9	1193.9
22.5°	959.1	951.8	950.0	962.8	968.3	1001.3	1072.8	1104.0	1148.0	1197.5	1179.2
25°	966.5	968.3	964.6	953.6	955.5	984.8	1032.5	1072.8	1122.3	1195.7	1159.0
27.5°	984.8	994.0	979.3	968.3	957.3	968.3	1017.8	1047.1	1102.2	1204.9	1157.2
30°	1003.1	1012.3	1008.6	992.1	970.1	966.5	1001.3	1038.0	1091.2	1212.2	1157.2
32.5°	1030.6	1043.5	1030.6	1036.1	1010.5	994.0	1006.8	1039.8	1102.2	1237.9	1159.0
35°	1061.8	1072.8	1076.5	1063.7	1058.2	1027.0	1034.3	1050.8	1113.2	1267.2	1177.4
37.5°	1096.7	1109.5	1120.5	1122.3	1104.0	1085.7	1082.0	1091.2	1140.7	1318.6	1197.5
40°	1120.5	1127.8	1149.8	1168.2	1173.7	1148.0	1146.2	1146.2	1190.2	1364.4	1234.2
42.5°	1160.9	1157.2	1188.4	1221.4	1230.5	1215.9	1219.5	1234.2	1259.9	1430.4	1292.9
45°	1181.0	1177.4	1214.0	1269.1	1311.2	1303.9	1307.6	1313.1	1336.9	1535.0	1391.9
47.5°	1208.5	1212.2	1265.4	1327.7	1371.7	1397.4	1417.6	1415.8	1434.1	1641.3	1502.0
50°	1236.0	1243.4	1307.6	1373.6	1450.6	1494.6	1524.0	1544.1	1562.5	1753.2	1628.5
52.5°	1289.2	1296.6	1368.1	1439.6	1538.6	1602.8	1676.2	1674.3	1676.2	1865.1	1755.0
55°	1366.2	1368.1	1410.3	1492.8	1626.7	1744.0	1844.9	1855.9	1824.7	2004.4	1899.9
57.5°	1454.3	1461.6	1498.3	1560.6	1696.3	1879.7	2033.8	2055.8	1971.4	2118.1	2031.9
60°	1536.8	1542.3	1599.1	1670.7	1817.4	2050.3	2224.5	2250.2	2158.5	2257.5	2169.5
62.5°	1443.3	1470.8	1571.6	1734.9	2030.1	2308.9	2466.6	2483.1	2340.0	2398.7	2316.2
65°	1155.3	1173.7	1318.6	1582.6	2044.8	2778.3	2840.7	2796.7	2589.4	2580.3	2538.1
67.5°	643.7	658.4	757.4	1034.3	1722.0	2954.4	3645.8	3323.0	2976.4	2853.5	2838.9
70°	508.0	511.7	524.5	581.3	955.5	2604.1	4280.3	4295.0	3609.1	3229.5	2903.0
72.5°	412.6	410.8	449.3	498.8	564.8	1562.5	4080.4	4645.2	4093.2	3130.4	2528.9
75°	315.4	320.9	370.4	442.0	517.2	735.4	3044.3	3821.8	3834.7	2917.7	2132.8
77.5°	240.2	242.1	297.1	390.6	506.2	519.0	1986.1	2848.0	2860.9	2259.3	1175.5
80°	179.7	179.7	225.6	330.1	493.3	478.6	1223.2	1975.1	1788.0	794.1	256.7
82.5°	102.7	110.0	150.4	251.2	447.5	460.3	689.5	1131.5	755.6	216.4	119.2
85°	55.0	56.9	91.7	168.7	368.6	440.1	526.3	563.0	300.8	115.5	55.0
87.5°	20.2	20.2	42.2	86.2	232.9	326.4	418.1	359.4	172.4	53.2	27.5
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°	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7	1371.7
2.5°	1369.9	1362.6	1357.1	1362.6	1342.4	1333.2	1344.2	1338.7	1327.7	1322.2	1318.6
5°	1342.4	1333.2	1324.1	1318.6	1296.6	1274.6	1263.5	1241.5	1223.2	1228.7	1217.7
7.5°	1313.1	1303.9	1276.4	1250.7	1206.7	1162.7	1142.5	1111.3	1100.3	1091.2	1085.7
10°	1276.4	1259.9	1217.7	1166.4	1102.2	1052.7	1001.3	964.6	926.1	909.6	915.1
12.5°	1230.5	1221.4	1155.3	1076.5	986.6	904.1	843.6	784.9	733.6	706.0	698.7
15°	1210.4	1182.9	1087.5	983.0	869.3	766.6	676.7	574.0	513.5	484.1	484.1
17.5°	1188.4	1137.0	1023.3	880.3	750.1	618.0	491.5	398.0	350.3	333.8	333.8
20°	1153.5	1096.7	948.1	783.1	625.4	465.8	352.1	300.8	286.1	275.1	276.9
22.5°	1127.8	1058.2	878.4	687.7	495.1	346.6	276.9	260.4	254.9	251.2	253.1
25°	1098.5	1012.3	805.1	585.0	388.8	273.2	240.2	232.9	236.6	238.4	238.4
27.5°	1074.7	973.8	729.9	475.0	293.4	231.1	216.4	214.6	221.9	225.6	227.4
30°	1058.2	939.0	656.5	374.1	234.7	205.4	198.1	198.1	207.2	210.9	212.7
32.5°	1041.6	909.6	577.7	286.1	199.9	183.4	181.6	183.4	188.9	188.9	190.7
35°	1047.1	882.1	502.5	231.1	179.7	168.7	168.7	168.7	170.6	172.4	172.4
37.5°	1058.2	874.8	421.8	194.4	165.0	157.7	157.7	155.9	157.7	155.9	157.7
40°	1069.2	863.8	348.4	172.4	155.9	150.4	148.5	144.9	143.0	143.0	144.9
42.5°	1115.0	878.4	286.1	157.7	148.5	144.9	139.4	135.7	133.9	133.9	133.9
45°	1173.7	905.9	236.6	150.4	143.0	133.9	130.2	128.4	124.7	126.5	128.4
47.5°	1261.7	948.1	207.2	144.9	137.5	126.5	122.9	119.2	119.2	122.9	122.9
50°	1377.2	1017.8	188.9	139.4	132.0	121.0	115.5	113.7	113.7	119.2	119.2
52.5°	1502.0	1098.5	181.6	137.5	126.5	115.5	110.0	108.2	108.2	115.5	115.5
55°	1626.7	1197.5	187.1	137.5	122.9	110.0	104.5	100.9	102.7	108.2	108.2
57.5°	1764.2	1303.9	214.6	137.5	119.2	108.2	100.9	95.4	97.2	99.0	99.0
60°	1914.6	1443.3	262.2	137.5	117.4	104.5	95.4	88.0	88.0	89.9	89.9
62.5°	2066.8	1580.8	330.1	139.4	119.2	102.7	88.0	80.7	78.9	80.7	80.7
65°	2266.7	1800.9	398.0	139.4	124.7	99.0	82.5	73.4	71.5	71.5	73.4
67.5°	2547.3	1958.6	308.1	133.9	128.4	99.0	77.0	67.9	64.2	64.2	64.2
70°	2398.7	1652.3	196.2	124.7	122.9	102.7	73.4	62.4	58.7	56.9	56.9
72.5°	2054.0	1322.2	157.7	117.4	113.7	100.9	69.7	58.7	53.2	51.3	51.3
75°	1646.8	1043.5	137.5	106.4	99.0	84.4	64.2	53.2	49.5	45.8	45.8
77.5°	806.9	436.5	104.5	93.5	84.4	64.2	56.9	49.5	44.0	40.3	40.3
80°	201.7	152.2	77.0	73.4	62.4	49.5	45.8	42.2	38.5	34.8	34.8
82.5°	108.2	89.9	55.0	49.5	42.2	34.8	34.8	33.0	31.2	27.5	25.7
85°	55.0	53.2	36.7	33.0	27.5	22.0	23.8	23.8	22.0	16.5	16.5
87.5°	29.3	29.3	18.3	14.7	12.8	11.0	11.0	11.0	9.2	7.3	7.3
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)