

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: P672280

Luminaire Tested: **CCP-SA-1E-760-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672280  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-760-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

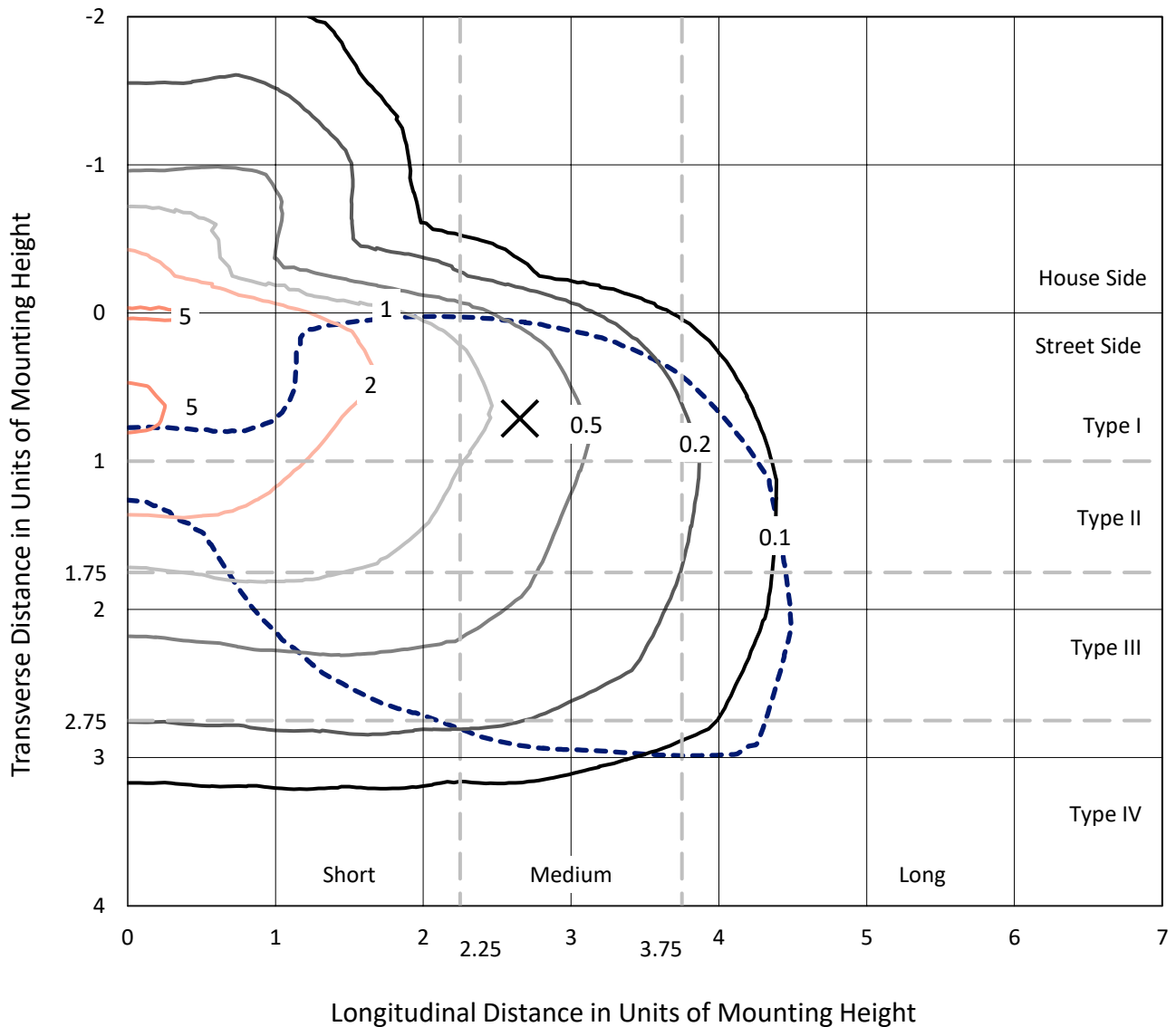
Lumens per Lamp: N/A  
Luminaire Lumens: 7108.1 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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

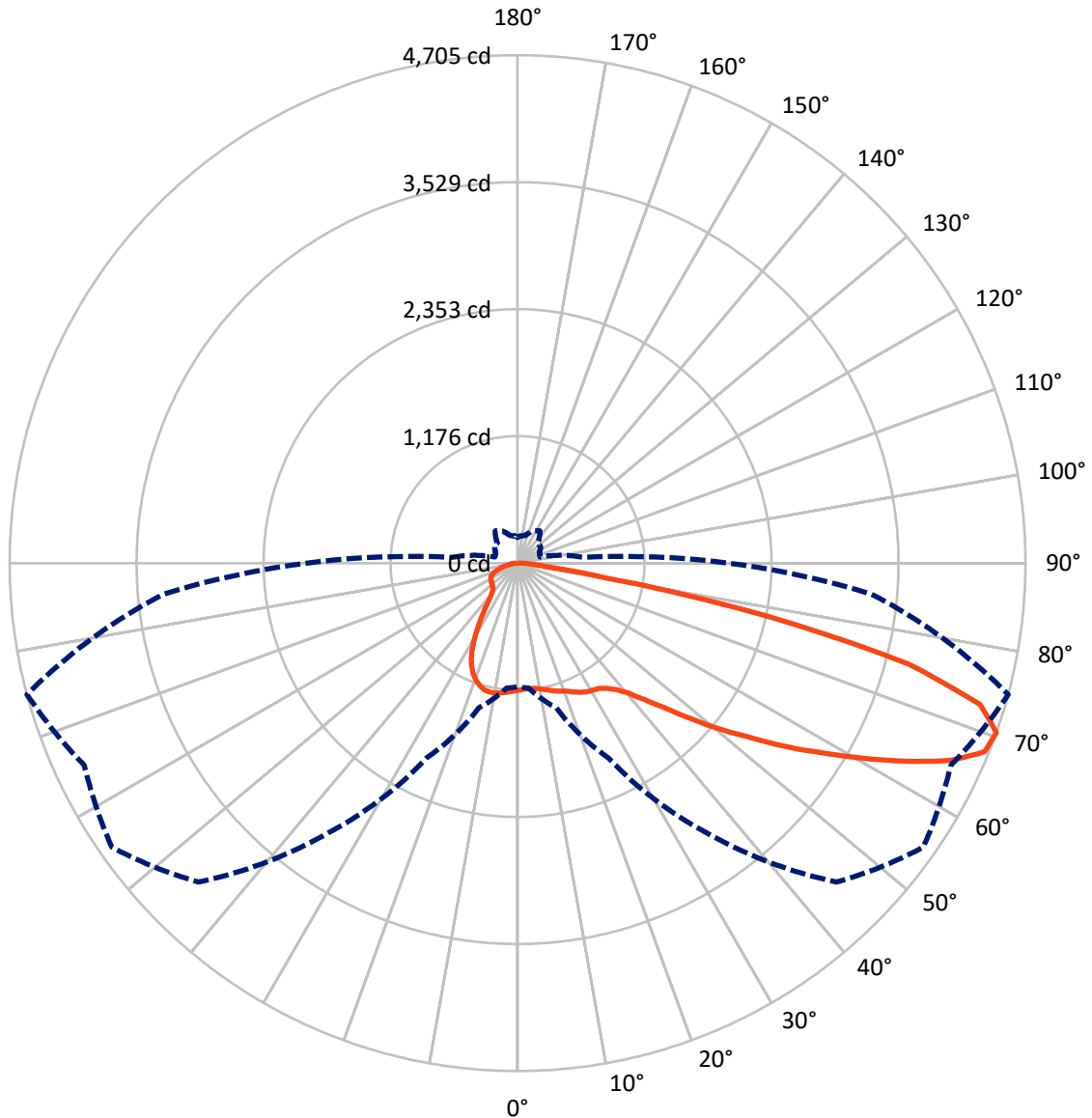
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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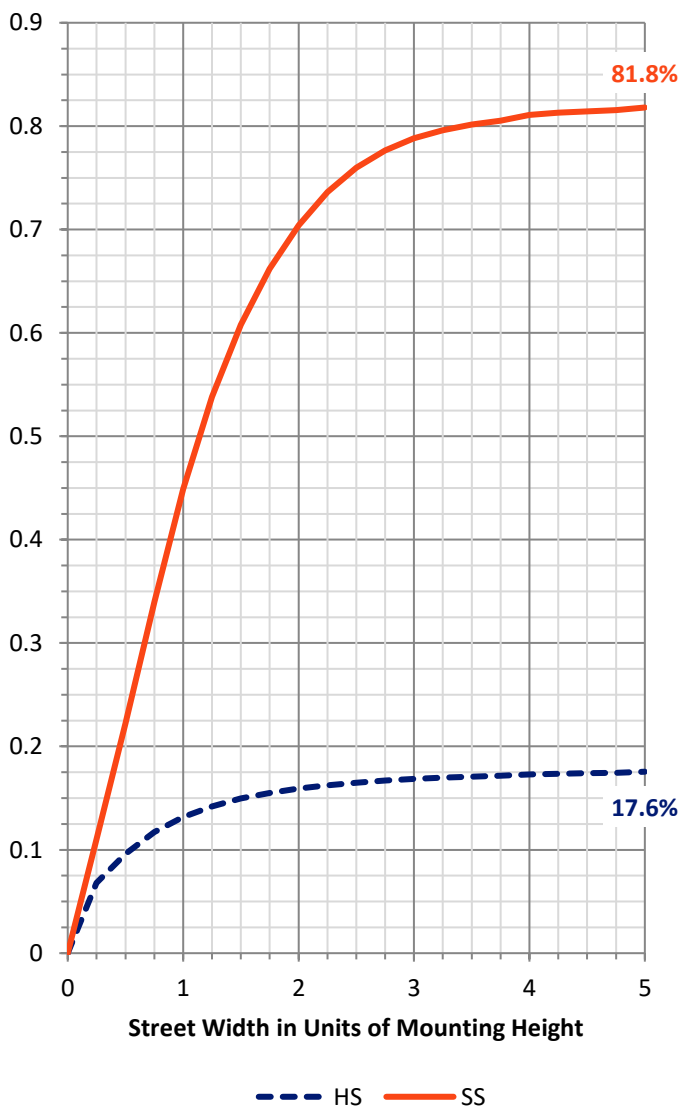
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1264.6	0.0	1264.6
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	5843.5	0.0	5843.5
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	7108.1	0.0	7108.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.7	1.5
10°-20°	282.3	4.0
20°-30°	475.6	6.7
30°-40°	722.3	10.2
40°-50°	1034.8	14.6
50°-60°	1372.0	19.3
60°-70°	1717.0	24.2
70°-80°	1253.8	17.6
80°-90°	144.6	2.0
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°	7108.1	100.0
0°-180°	7108.1	100.0



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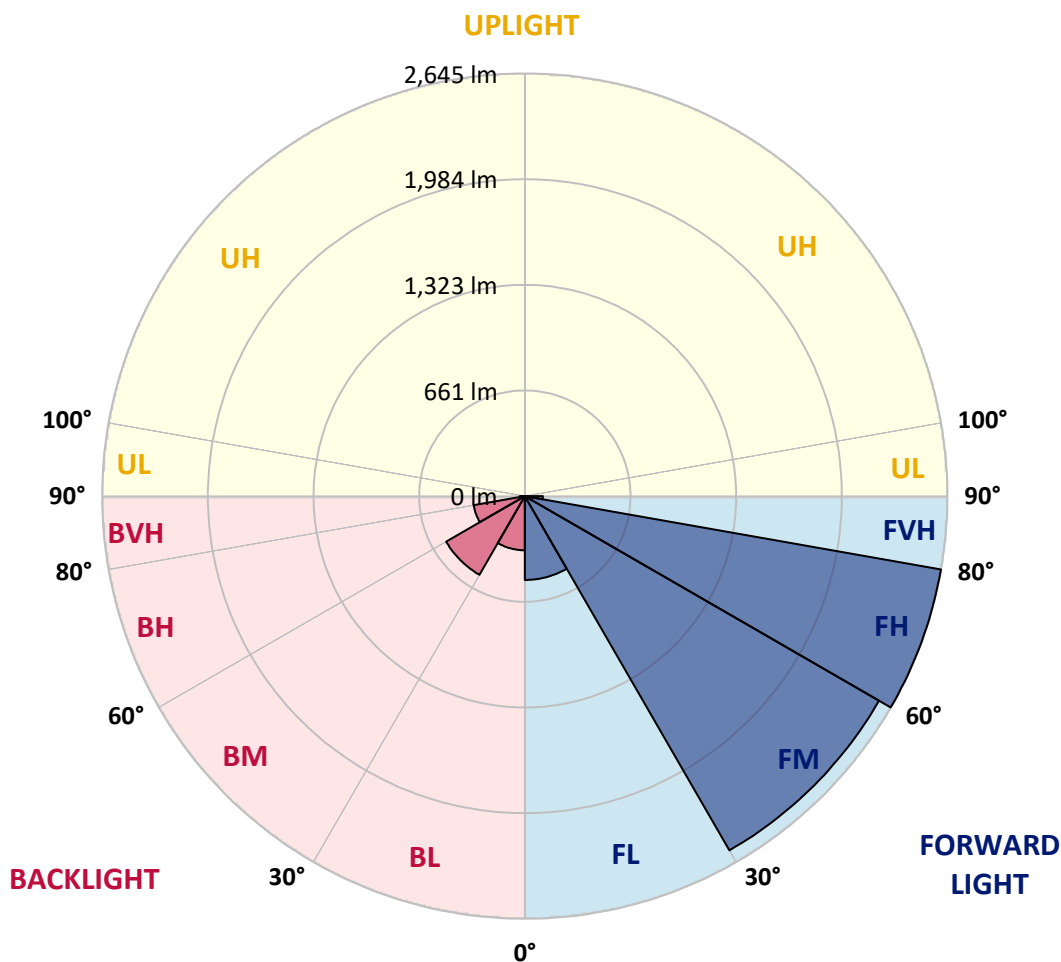
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.6	7.4			
FM (30°-60°)	2560.6	36.0			
FH (60°-80°)	2645.5	37.2			G2/5000
FVH (80°-90°)	112.8	1.6			G2/225
BL (0°-30°)	339.0	4.8	B1/500		
BM (30°-60°)	568.6	8.0	B1/1000		
BH (60°-80°)	325.3	4.6	B1/500		G1/500
BVH (80°-90°)	31.8	0.4			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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4
2.5°	1113.0	1119.1	1124.7	1130.4	1135.0	1147.2	1149.8	1163.1	1166.7	1169.8	1173.8
5°	1050.6	1055.2	1060.8	1070.0	1079.7	1101.7	1117.1	1146.2	1162.6	1167.7	1182.0
7.5°	1016.8	1018.4	1026.0	1033.7	1045.0	1066.4	1087.4	1132.9	1165.7	1171.3	1202.0
10°	992.3	994.3	1001.5	1012.2	1023.5	1043.4	1069.5	1123.7	1176.9	1185.6	1229.1
12.5°	983.6	982.6	990.7	997.9	1013.8	1038.8	1065.9	1124.2	1192.3	1204.5	1268.5
15°	1018.4	1011.7	1016.8	1014.3	1019.4	1043.9	1076.2	1135.5	1211.2	1226.5	1309.4
17.5°	1095.1	1089.5	1085.9	1063.9	1049.6	1063.4	1094.1	1151.3	1231.1	1247.5	1346.2
20°	1209.6	1193.8	1180.5	1143.7	1103.8	1099.2	1120.7	1167.2	1250.1	1265.9	1385.1
22.5°	1340.1	1327.3	1305.8	1241.4	1179.5	1148.8	1154.4	1196.4	1277.7	1295.1	1429.6
25°	1504.8	1504.3	1460.3	1373.3	1279.7	1217.8	1206.1	1242.9	1308.9	1325.8	1466.4
27.5°	1692.5	1679.7	1627.5	1515.5	1397.9	1303.2	1275.6	1290.5	1333.9	1351.3	1496.1
30°	1853.1	1854.6	1801.4	1679.2	1523.7	1386.6	1334.4	1324.7	1350.3	1367.7	1523.7
32.5°	2024.9	2016.3	1967.7	1841.8	1659.8	1476.1	1372.3	1349.3	1367.2	1383.6	1562.1
35°	2186.6	2176.9	2134.9	1999.4	1809.6	1574.8	1423.4	1387.6	1407.1	1425.0	1609.1
37.5°	2340.5	2342.1	2294.5	2165.1	1954.9	1691.5	1499.1	1445.4	1466.4	1486.4	1680.7
40°	2475.0	2467.4	2430.5	2313.9	2105.8	1810.1	1584.6	1524.2	1565.1	1583.5	1771.3
42.5°	2518.0	2517.5	2531.8	2460.2	2264.3	1951.3	1691.0	1647.0	1704.8	1732.4	1882.2
45°	2480.7	2491.9	2574.8	2572.7	2422.9	2113.4	1836.2	1796.3	1879.7	1910.9	2017.8
47.5°	2443.8	2460.7	2573.3	2637.2	2565.1	2291.9	2014.7	1985.1	2104.7	2149.7	2158.4
50°	2390.1	2406.0	2540.0	2646.4	2652.0	2472.5	2245.9	2208.6	2362.5	2408.6	2311.4
52.5°	2330.3	2342.6	2481.2	2639.7	2693.4	2613.7	2472.5	2461.7	2638.7	2676.1	2466.9
55°	1999.9	2052.1	2394.7	2625.4	2722.1	2721.6	2692.9	2728.2	2940.0	2995.7	2640.3
57.5°	1810.1	1837.7	2151.3	2617.2	2775.8	2821.3	2920.5	2996.2	3261.7	3311.8	2831.5
60°	1748.2	1772.8	2029.0	2607.5	2882.7	2977.3	3143.0	3265.8	3607.5	3668.8	3045.3
62.5°	1692.0	1721.6	1979.4	2530.3	3012.1	3224.4	3408.5	3557.3	3972.1	4044.8	3258.1
65°	1577.4	1598.4	1888.4	2465.3	3134.9	3576.8	3791.6	3878.5	4325.6	4407.4	3399.3
67.5°	1379.5	1399.4	1683.3	2316.0	3214.6	3943.5	4210.5	4211.0	4598.7	4665.7	3429.0
70°	1146.7	1162.1	1387.6	1990.7	3048.4	4178.8	4588.5	4428.4	4675.9	4705.1	3287.8
72.5°	819.9	833.2	1016.3	1471.5	2499.6	3988.0	4674.4	4419.2	4488.7	4479.5	2886.3
75°	505.3	530.9	622.5	898.2	1553.4	3137.9	4206.9	4004.4	3769.1	3743.5	2173.3
77.5°	329.4	342.7	420.9	529.9	685.4	1801.4	3195.2	3002.4	2379.9	2350.2	1168.2
80°	197.9	219.9	275.7	333.0	310.5	689.0	1824.4	1491.5	840.9	831.7	359.1
82.5°	106.4	126.3	194.4	206.1	174.4	243.5	660.8	484.9	269.0	266.0	134.5
85°	84.4	94.1	139.6	130.4	98.7	123.3	257.8	202.0	138.1	135.0	50.6
87.5°	51.1	64.4	105.9	88.0	49.1	44.5	118.2	95.6	65.0	60.4	19.9
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°	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4
2.5°	1181.5	1184.1	1186.6	1181.5	1183.6	1181.0	1181.0	1181.0	1174.4	1172.3	1178.4
5°	1192.8	1196.4	1198.4	1182.5	1172.8	1158.5	1146.7	1128.8	1118.6	1112.0	1112.0
7.5°	1215.8	1219.9	1210.7	1175.4	1141.1	1102.7	1063.4	1030.6	1007.1	996.9	999.9
10°	1249.5	1251.1	1220.4	1155.4	1082.3	1011.2	955.4	912.0	882.8	868.0	865.9
12.5°	1288.9	1282.3	1222.4	1111.4	1003.0	907.4	839.3	783.1	745.7	731.4	724.3
15°	1327.8	1311.9	1214.8	1058.8	913.0	797.9	711.0	657.8	634.7	628.1	625.5
17.5°	1362.6	1332.9	1189.2	983.1	808.6	670.0	606.1	587.2	589.7	595.9	598.4
20°	1394.3	1348.8	1152.4	893.0	678.2	570.3	554.4	571.8	586.2	595.4	596.9
22.5°	1429.1	1364.1	1101.2	783.6	571.3	524.3	543.2	563.1	577.5	586.7	588.2
25°	1455.7	1363.6	1029.1	653.7	503.8	512.0	534.5	552.4	563.1	569.8	569.3
27.5°	1472.5	1351.3	934.5	546.8	477.2	503.3	524.8	536.5	542.7	547.8	547.3
30°	1477.7	1327.8	815.3	468.0	464.9	495.1	511.5	518.6	523.2	528.4	528.4
32.5°	1487.9	1291.5	683.8	424.0	455.7	486.9	496.6	502.3	498.7	485.9	483.3
35°	1499.1	1251.1	559.6	403.6	447.0	481.3	490.5	475.7	436.8	431.7	429.6
37.5°	1521.1	1213.7	454.2	389.2	445.0	484.4	492.0	432.7	400.0	384.1	381.6
40°	1558.5	1176.4	383.6	379.0	447.5	497.7	471.6	412.3	358.0	327.9	322.7
42.5°	1607.6	1130.9	343.7	373.9	454.7	519.2	464.4	383.1	323.8	303.3	300.2
45°	1664.4	1070.5	324.8	372.9	463.4	529.9	466.5	359.6	308.4	292.6	291.5
47.5°	1723.2	1011.2	316.6	371.8	474.1	525.3	438.3	352.4	302.3	297.7	300.7
50°	1786.6	943.7	310.0	369.3	482.8	525.3	423.0	350.9	304.3	314.6	324.8
52.5°	1845.9	886.9	302.3	361.6	486.4	516.1	418.4	356.5	307.4	304.8	307.9
55°	1918.0	857.8	298.2	350.9	479.8	488.0	412.8	371.8	310.0	289.0	289.0
57.5°	2000.4	851.6	292.1	336.6	458.3	449.1	412.3	381.1	303.3	283.9	280.3
60°	2099.6	864.9	284.4	318.7	432.2	418.9	408.7	381.1	292.6	275.2	276.7
62.5°	2179.9	863.4	279.8	302.8	397.4	387.7	402.0	375.9	288.5	274.2	273.6
65°	2198.8	830.6	266.5	282.3	354.5	349.9	394.9	363.2	282.8	268.5	264.4
67.5°	2134.9	756.5	246.5	255.2	308.9	309.4	382.1	346.3	275.2	265.5	258.8
70°	1953.3	611.7	216.9	222.5	259.8	266.5	363.2	326.3	262.4	252.2	236.3
72.5°	1634.7	439.9	182.6	184.1	206.6	224.0	330.4	299.2	243.5	219.4	202.5
75°	1210.2	292.1	148.8	146.8	155.0	182.1	282.3	269.0	218.9	182.1	173.4
77.5°	639.9	172.9	114.6	115.1	110.0	139.6	224.0	233.7	194.4	153.4	144.7
80°	218.9	103.8	82.3	85.9	77.7	99.7	166.2	194.4	166.2	127.9	113.0
82.5°	100.2	63.4	58.8	61.4	55.8	67.5	114.1	147.3	132.5	93.1	75.2
85°	50.6	37.8	37.8	41.4	36.8	34.8	62.9	97.7	97.2	63.9	55.2
87.5°	21.0	18.4	17.4	19.9	17.4	13.3	17.9	35.3	51.1	38.4	24.6
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)