

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: P672283

Luminaire Tested: **CCP-SA-2B-760-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672283  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-760-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

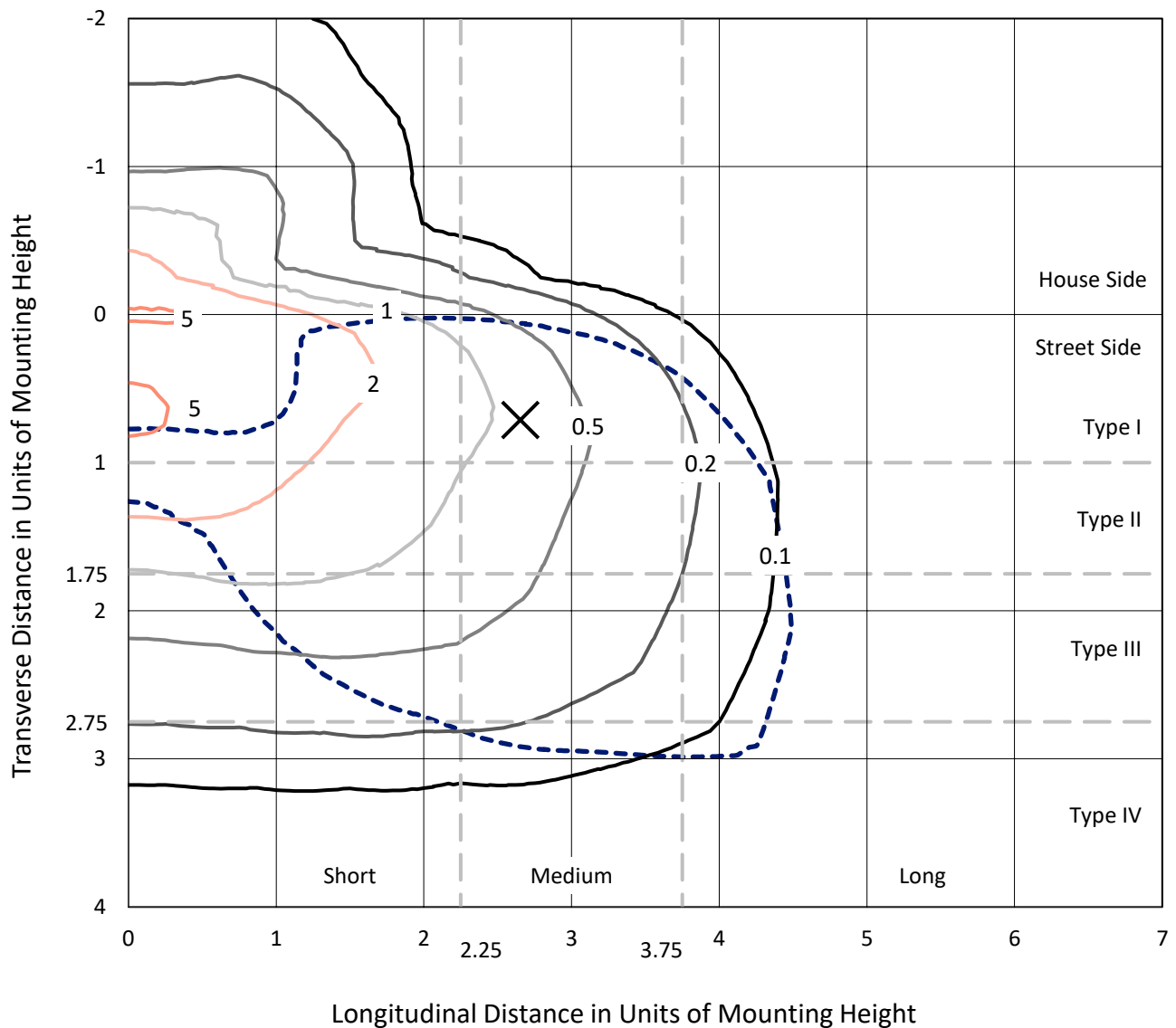
Lumens per Lamp: N/A  
Luminaire Lumens: 7180 lumens  
Efficiency: N/A  
Efficacy: 156.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 46  
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

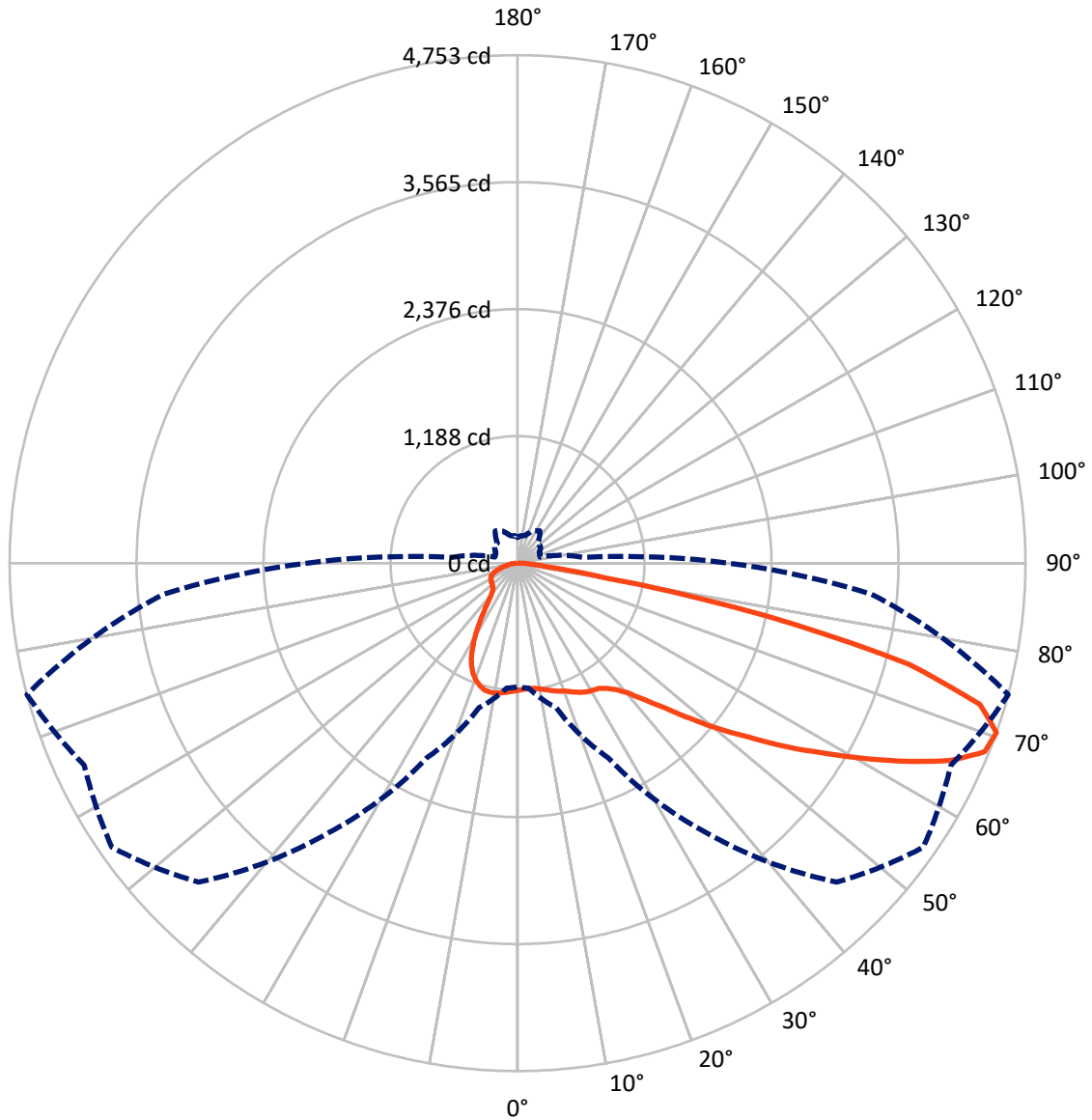
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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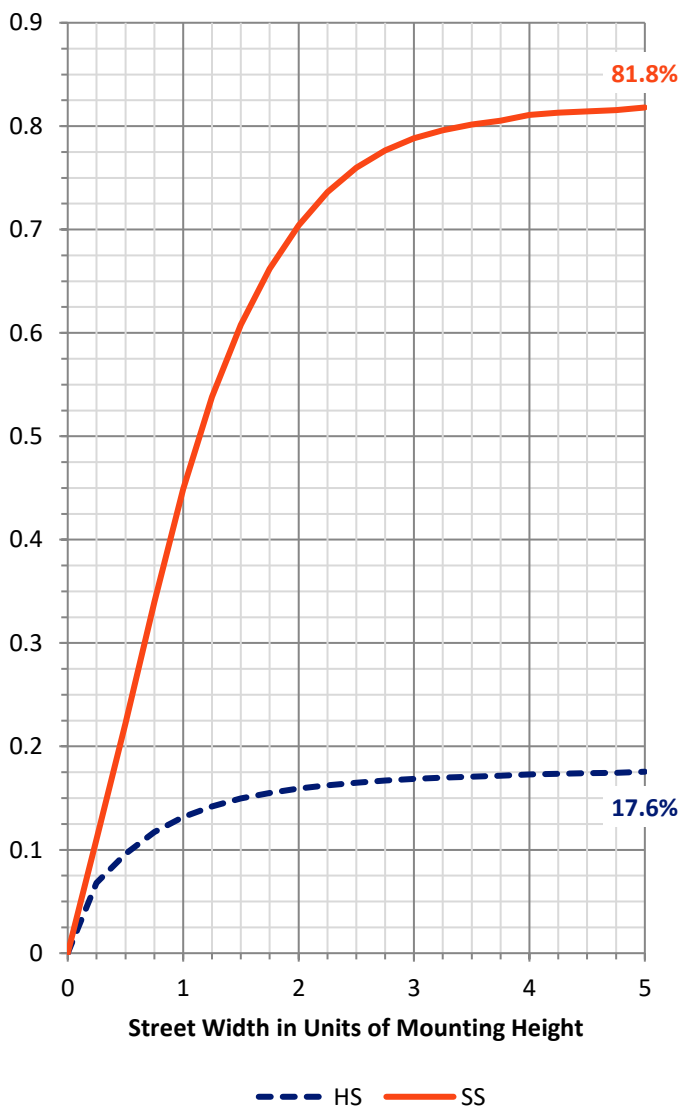
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1277.4	0.0	1277.4
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	5902.6	0.0	5902.6
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	7180.0	0.0	7180.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.8	1.5
10°-20°	285.1	4.0
20°-30°	480.4	6.7
30°-40°	729.6	10.2
40°-50°	1045.3	14.6
50°-60°	1385.9	19.3
60°-70°	1734.3	24.2
70°-80°	1266.5	17.6
80°-90°	146.0	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°	7180.0	100.0
0°-180°	7180.0	100.0



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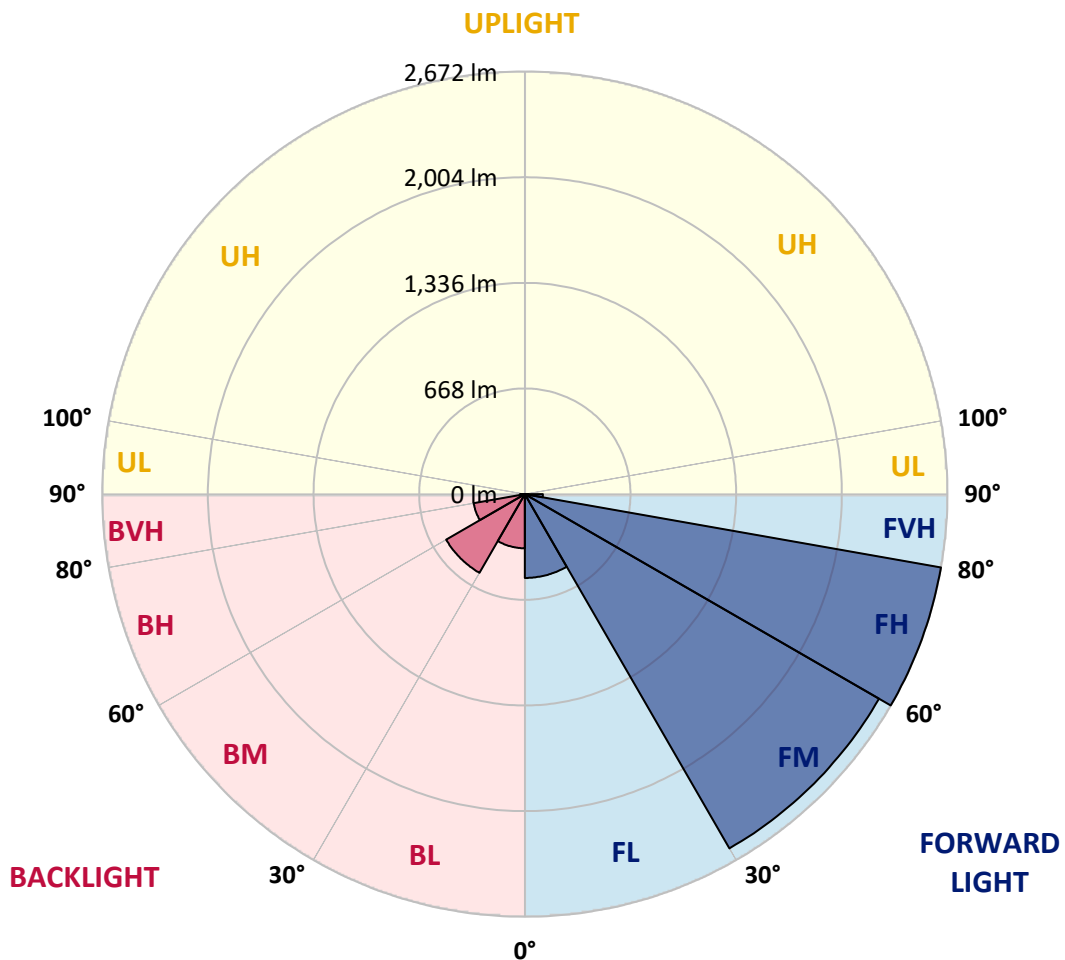
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	529.9	7.4			
FM (30°-60°)	2586.5	36.0			
FH (60°-80°)	2672.2	37.2			G2/5000
FVH (80°-90°)	114.0	1.6			G2/225
BL (0°-30°)	342.4	4.8	B1/500		
BM (30°-60°)	574.3	8.0	B1/1000		
BH (60°-80°)	328.6	4.6	B1/500		G1/500
BVH (80°-90°)	32.1	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°	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3
2.5°	1124.2	1130.4	1136.1	1141.8	1146.5	1158.9	1161.4	1174.9	1178.5	1181.6	1185.7
5°	1061.2	1065.9	1071.5	1080.8	1090.7	1112.9	1128.4	1157.8	1174.4	1179.5	1194.0
7.5°	1027.1	1028.7	1036.4	1044.2	1055.5	1077.2	1098.4	1144.4	1177.5	1183.1	1214.1
10°	1002.3	1004.4	1011.6	1022.5	1033.8	1054.0	1080.3	1135.1	1188.8	1197.6	1241.5
12.5°	993.5	992.5	1000.8	1008.0	1024.0	1049.3	1076.7	1135.6	1204.3	1216.7	1281.3
15°	1028.7	1021.9	1027.1	1024.5	1029.7	1054.5	1087.0	1147.0	1223.4	1238.9	1322.6
17.5°	1106.2	1100.5	1096.9	1074.6	1060.2	1074.1	1105.1	1163.0	1243.6	1260.1	1359.8
20°	1221.9	1205.9	1192.4	1155.2	1114.9	1110.3	1132.0	1179.0	1262.7	1278.7	1399.1
22.5°	1353.6	1340.7	1319.0	1253.9	1191.4	1160.4	1166.1	1208.5	1290.6	1308.2	1444.0
25°	1520.0	1519.5	1475.0	1387.2	1292.7	1230.2	1218.3	1255.5	1322.1	1339.2	1481.2
27.5°	1709.6	1696.7	1644.0	1530.8	1412.0	1316.4	1288.5	1303.5	1347.4	1365.0	1511.2
30°	1871.8	1873.4	1819.7	1696.2	1539.1	1400.6	1348.0	1338.1	1364.0	1381.5	1539.1
32.5°	2045.4	2036.7	1987.6	1860.5	1676.5	1491.1	1386.2	1362.9	1381.0	1397.5	1577.9
35°	2208.7	2198.9	2156.5	2019.6	1827.9	1590.8	1437.8	1401.7	1421.3	1439.4	1625.4
37.5°	2364.2	2365.8	2317.7	2187.0	1974.7	1708.6	1514.3	1460.1	1481.2	1501.4	1697.7
40°	2500.1	2492.3	2455.1	2337.3	2127.1	1828.4	1600.6	1539.6	1581.0	1599.6	1789.2
42.5°	2543.5	2543.0	2557.4	2485.1	2287.2	1971.0	1708.1	1663.6	1722.0	1749.9	1901.3
45°	2505.8	2517.1	2600.8	2598.8	2447.4	2134.8	1854.8	1814.5	1898.7	1930.2	2038.2
47.5°	2468.6	2485.6	2599.3	2663.9	2591.0	2315.1	2035.1	2005.1	2126.0	2171.5	2180.3
50°	2414.3	2430.3	2565.7	2673.2	2678.9	2497.5	2268.6	2230.9	2386.4	2432.9	2334.8
52.5°	2353.9	2366.3	2506.3	2666.5	2720.7	2640.1	2497.5	2486.7	2665.4	2703.1	2491.8
55°	2020.1	2072.8	2419.0	2652.0	2749.6	2749.1	2720.2	2755.8	2969.7	3026.0	2667.0
57.5°	1828.4	1856.3	2173.0	2643.7	2803.9	2849.9	2950.1	3026.6	3294.7	3345.3	2860.2
60°	1765.9	1790.7	2049.6	2633.9	2911.9	3007.4	3174.8	3298.8	3644.0	3706.0	3076.2
62.5°	1709.1	1739.1	1999.5	2555.9	3042.6	3257.0	3443.0	3593.3	4012.3	4085.7	3291.1
65°	1593.4	1614.5	1907.5	2490.3	3166.6	3613.0	3830.0	3917.8	4369.3	4452.0	3433.7
67.5°	1393.4	1413.6	1700.3	2339.4	3247.2	3983.4	4253.1	4253.6	4645.2	4712.9	3463.6
70°	1158.3	1173.8	1401.7	2010.8	3079.3	4221.1	4634.9	4473.2	4723.3	4752.7	3321.1
72.5°	828.2	841.6	1026.6	1486.4	2524.9	4028.4	4721.7	4463.9	4534.2	4524.9	2915.5
75°	510.5	536.3	628.8	907.2	1569.1	3169.7	4249.5	4044.9	3807.2	3781.4	2195.3
77.5°	332.7	346.2	425.2	535.3	692.3	1819.7	3227.5	3032.8	2404.0	2374.0	1180.0
80°	199.9	222.2	278.5	336.3	313.6	695.9	1842.9	1506.6	849.4	840.1	362.7
82.5°	107.5	127.6	196.3	208.2	176.2	245.9	667.5	489.8	271.8	268.7	135.9
85°	85.2	95.1	141.0	131.7	99.7	124.5	260.4	204.1	139.5	136.4	51.1
87.5°	51.7	65.1	106.9	88.9	49.6	44.9	119.3	96.6	65.6	61.0	20.1
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°	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3	1189.3
2.5°	1193.5	1196.1	1198.6	1193.5	1195.5	1193.0	1193.0	1193.0	1186.2	1184.2	1190.4
5°	1204.8	1208.5	1210.5	1194.5	1184.7	1170.2	1158.3	1140.3	1129.9	1123.2	1123.2
7.5°	1228.1	1232.2	1222.9	1187.3	1152.7	1113.9	1074.1	1041.1	1017.3	1007.0	1010.1
10°	1262.2	1263.7	1232.7	1167.1	1093.2	1021.4	965.1	921.2	891.7	876.8	874.7
12.5°	1302.0	1295.3	1234.8	1122.7	1013.2	916.5	847.8	791.0	753.3	738.8	731.6
15°	1341.2	1325.2	1227.1	1069.5	922.2	806.0	718.1	664.4	641.2	634.5	631.9
17.5°	1376.4	1346.4	1201.2	993.0	816.8	676.8	612.2	593.1	595.7	601.9	604.5
20°	1408.4	1362.4	1164.0	902.1	685.1	576.1	560.1	577.6	592.1	601.4	602.9
22.5°	1443.5	1377.9	1112.4	791.5	577.1	529.6	548.7	568.8	583.3	592.6	594.2
25°	1470.4	1377.4	1039.5	660.3	508.9	517.2	539.9	558.0	568.8	575.6	575.0
27.5°	1487.4	1365.0	943.9	552.3	482.0	508.4	530.1	542.0	548.2	553.3	552.8
30°	1492.6	1341.2	823.5	472.7	469.6	500.1	516.7	523.9	528.5	533.7	533.7
32.5°	1502.9	1304.6	690.8	428.3	460.3	491.9	501.7	507.4	503.7	490.8	488.2
35°	1514.3	1263.7	565.2	407.6	451.6	486.2	495.5	480.5	441.2	436.1	434.0
37.5°	1536.5	1226.0	458.8	393.2	449.5	489.3	497.0	437.1	404.0	388.0	385.4
40°	1574.2	1188.3	387.5	382.8	452.1	502.7	476.4	416.4	361.7	331.2	326.0
42.5°	1623.8	1142.3	347.2	377.7	459.3	524.4	469.1	387.0	327.0	306.4	303.3
45°	1681.2	1081.4	328.1	376.6	468.1	535.3	471.2	363.2	311.5	295.5	294.5
47.5°	1740.6	1021.4	319.8	375.6	478.9	530.6	442.8	356.0	305.3	300.7	303.8
50°	1804.7	953.2	313.1	373.0	487.7	530.6	427.3	354.4	307.4	317.7	328.1
52.5°	1864.6	895.9	305.3	365.3	491.3	521.3	422.6	360.1	310.5	307.9	311.0
55°	1937.5	866.4	301.2	354.4	484.6	492.9	416.9	375.6	313.1	291.9	291.9
57.5°	2020.6	860.2	295.0	340.0	462.9	453.6	416.4	384.9	306.4	286.7	283.1
60°	2120.9	873.7	287.3	321.9	436.6	423.1	412.8	384.9	295.5	278.0	279.5
62.5°	2202.0	872.1	282.6	305.9	401.4	391.6	406.1	379.7	291.4	276.9	276.4
65°	2221.1	839.0	269.2	285.2	358.0	353.4	398.9	366.8	285.7	271.2	267.1
67.5°	2156.5	764.1	249.0	257.8	312.1	312.6	385.9	349.8	278.0	268.1	261.4
70°	1973.1	617.9	219.1	224.7	262.5	269.2	366.8	329.6	265.0	254.7	238.7
72.5°	1651.2	444.3	184.4	186.0	208.7	226.3	333.8	302.2	245.9	221.6	204.6
75°	1222.4	295.0	150.3	148.3	156.5	183.9	285.2	271.8	221.1	183.9	175.1
77.5°	646.3	174.6	115.7	116.2	111.1	141.0	226.3	236.1	196.3	155.0	146.2
80°	221.1	104.9	83.2	86.8	78.5	100.7	167.9	196.3	167.9	129.2	114.2
82.5°	101.3	64.1	59.4	62.0	56.3	68.2	115.2	148.8	133.8	94.0	75.9
85°	51.1	38.2	38.2	41.8	37.2	35.1	63.5	98.7	98.2	64.6	55.8
87.5°	21.2	18.6	17.6	20.1	17.6	13.4	18.1	35.6	51.7	38.7	24.8
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)