

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: P671385

Luminaire Tested: **CCP-SA-2A-735-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671385  
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-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

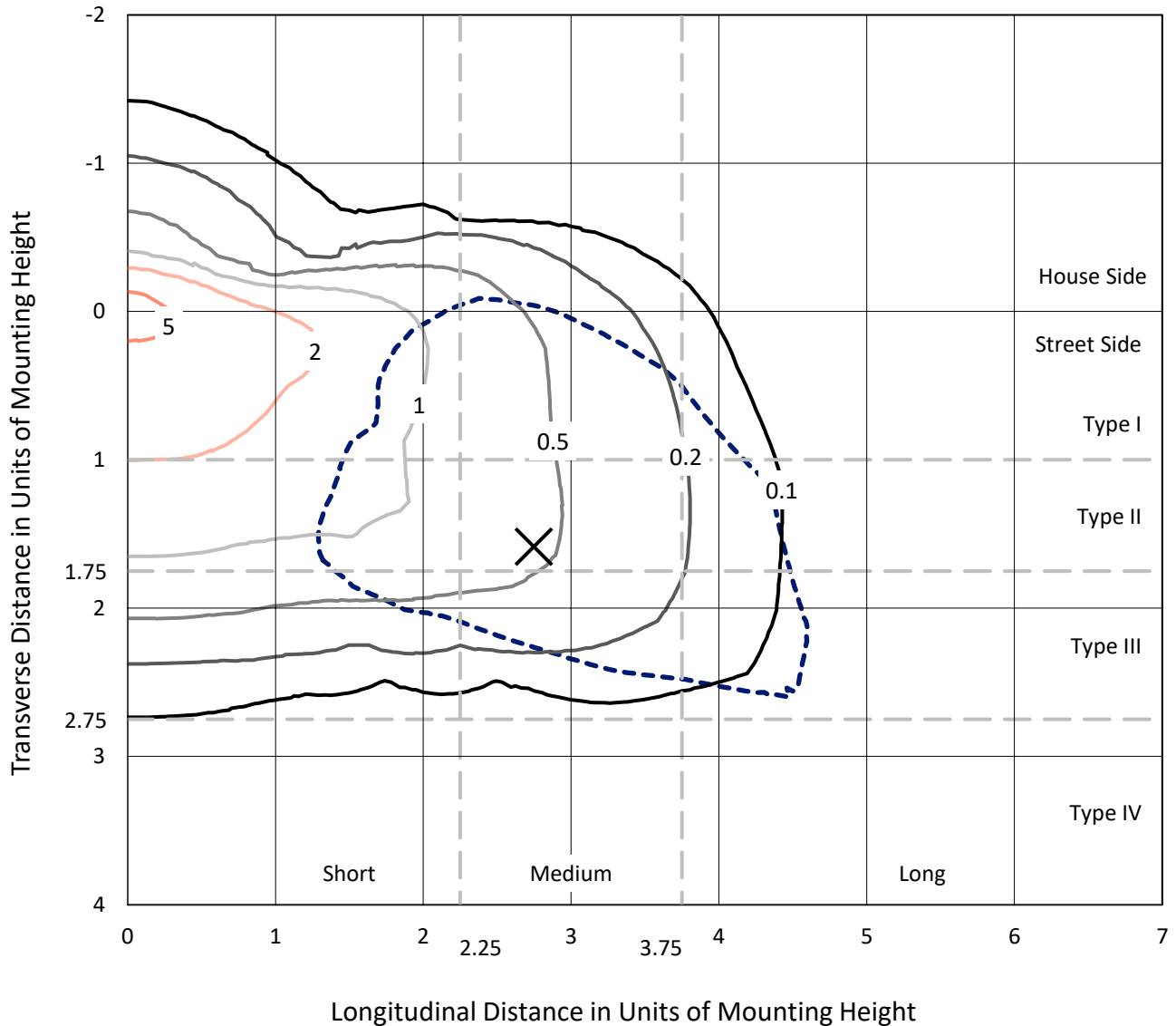
Lumens per Lamp: N/A  
Luminaire Lumens: 5335.9 lumens  
Efficiency: N/A  
Efficacy: 147.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

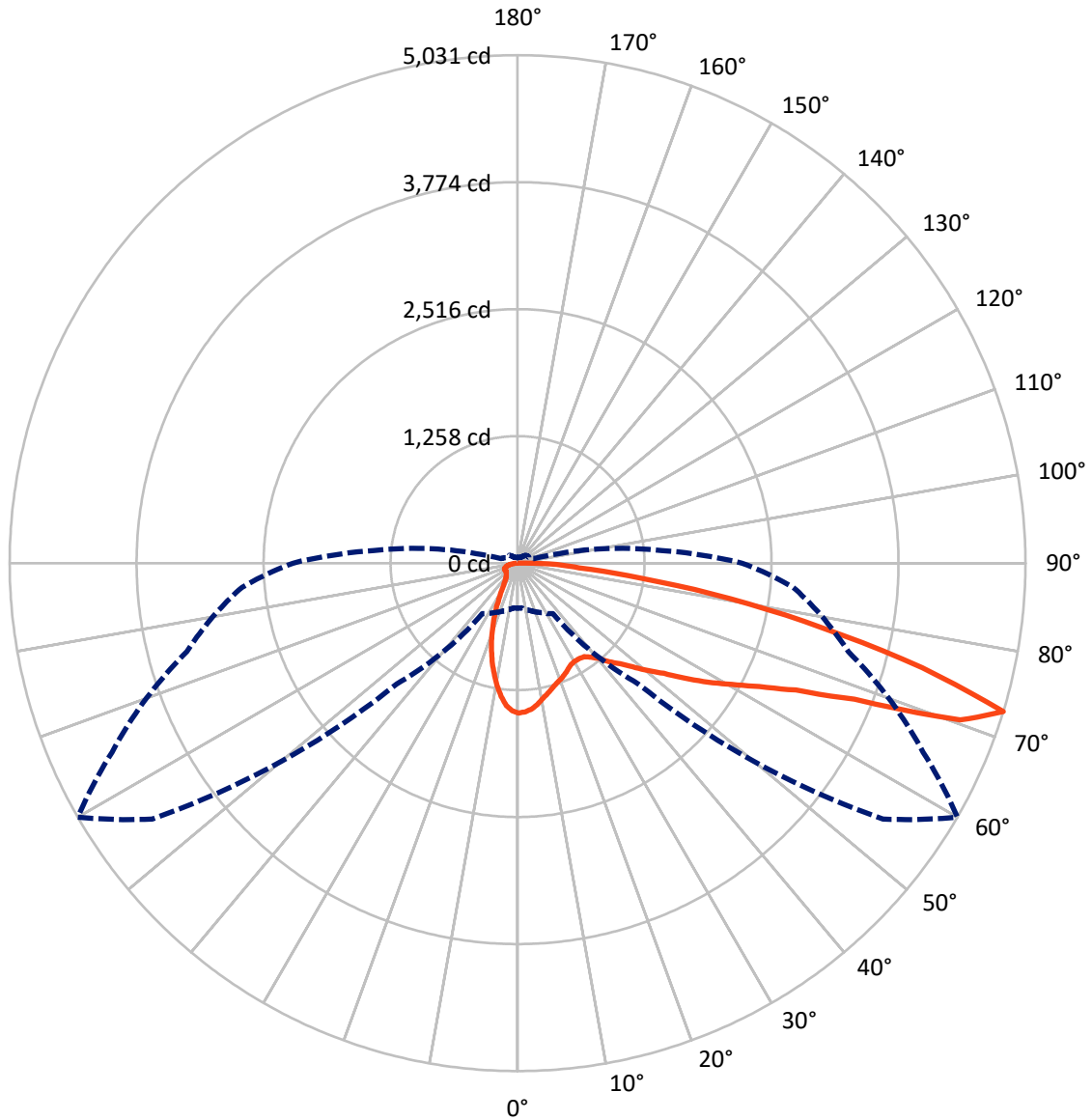
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 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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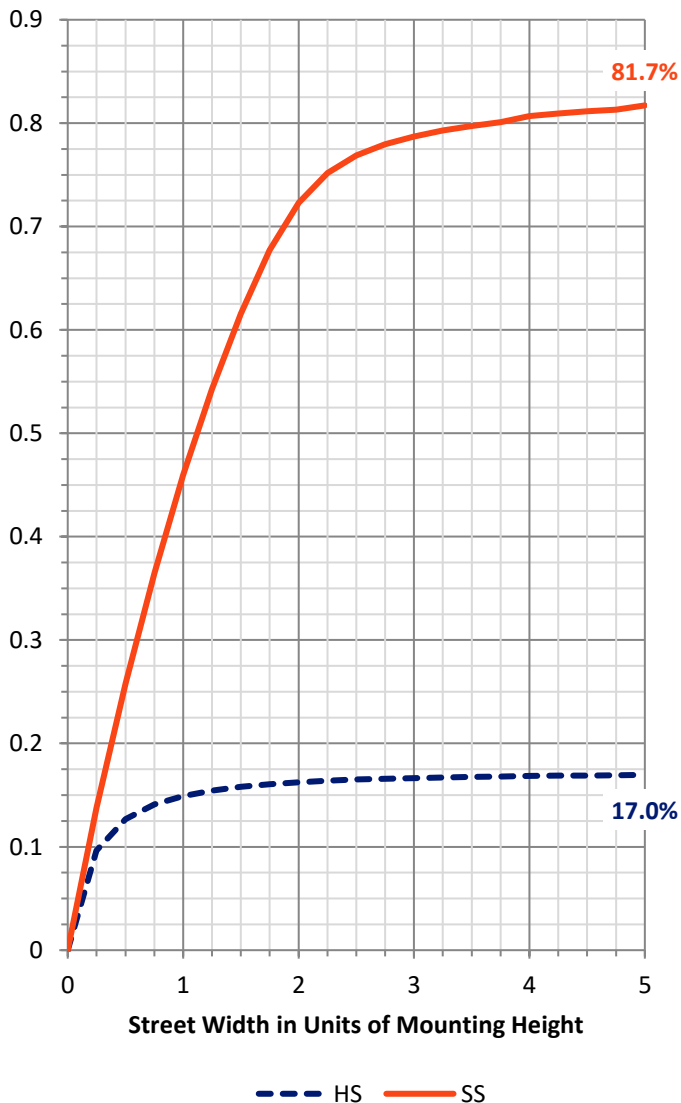
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	916.6	0.0	916.6
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	4419.3	0.0	4419.3
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	5335.9	0.0	5335.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.8	2.4
10°-20°	292.0	5.5
20°-30°	373.7	7.0
30°-40°	478.1	9.0
40°-50°	655.7	12.3
50°-60°	948.5	17.8
60°-70°	1301.1	24.4
70°-80°	976.4	18.3
80°-90°	181.5	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°	5335.9	100.0
0°-180°	5335.9	100.0



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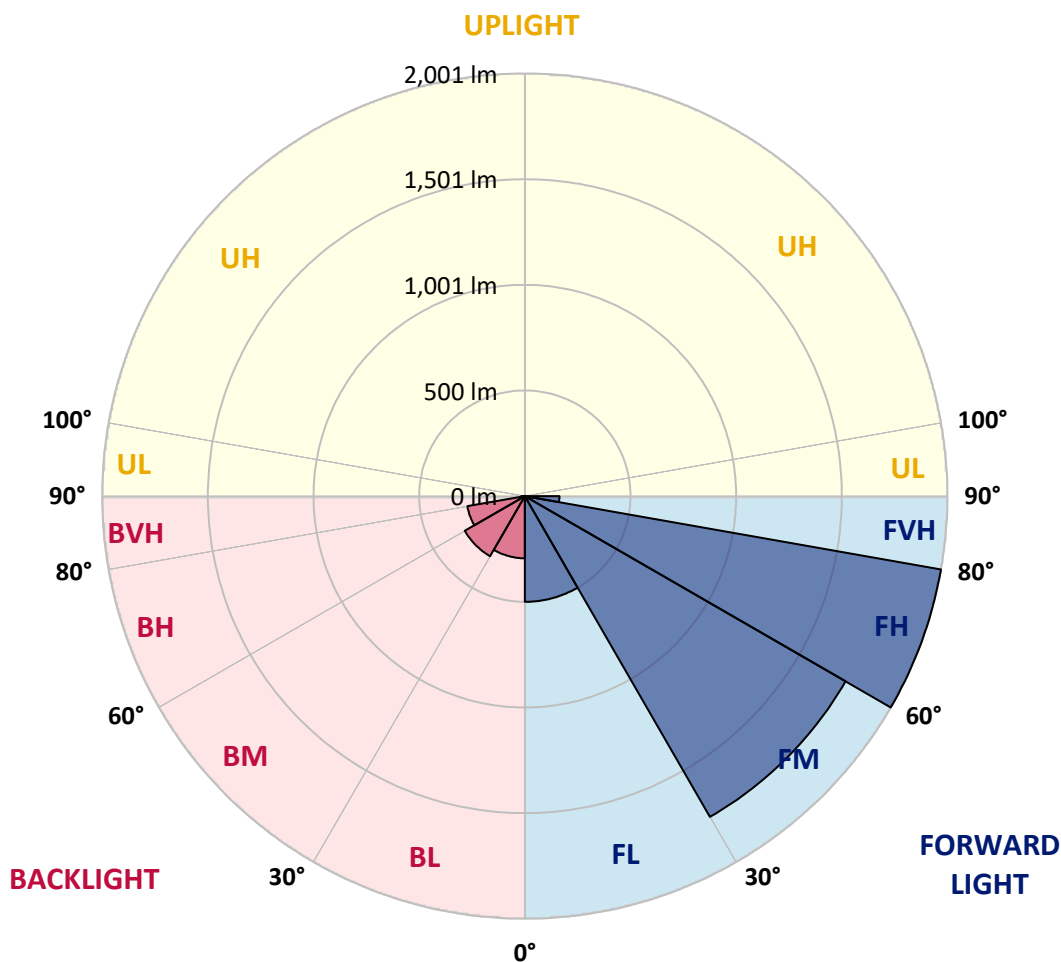
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	500.3	9.4			
FM (30°-60°)	1753.9	32.9			
FH (60°-80°)	2001.3	37.5			G2/5000
FVH (80°-90°)	163.8	3.1			G2/225
BL (0°-30°)	294.2	5.5	B1/500		
BM (30°-60°)	328.5	6.2	B1/1000		
BH (60°-80°)	276.2	5.2	B1/500		G1/500
BVH (80°-90°)	17.7	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°	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8
2.5°	1454.0	1467.9	1471.9	1471.9	1483.8	1469.9	1489.8	1473.9	1477.8	1483.8	1479.8
5°	1384.5	1408.3	1394.4	1420.2	1410.3	1428.2	1452.0	1452.0	1446.1	1458.0	1448.0
7.5°	1316.9	1309.0	1332.8	1332.8	1348.7	1372.6	1392.4	1412.3	1414.3	1418.2	1416.3
10°	1225.6	1235.5	1247.4	1263.3	1283.2	1307.0	1348.7	1364.6	1368.6	1392.4	1386.5
12.5°	1150.1	1164.0	1171.9	1203.7	1221.6	1255.4	1303.0	1324.9	1326.9	1360.6	1360.6
15°	1094.5	1102.4	1120.3	1132.2	1171.9	1219.6	1265.3	1285.2	1307.0	1342.8	1332.8
17.5°	1056.7	1066.7	1074.6	1090.5	1128.2	1168.0	1239.5	1251.4	1277.2	1328.9	1316.9
20°	1034.9	1036.9	1048.8	1058.7	1092.5	1130.2	1193.8	1225.6	1259.3	1305.0	1293.1
22.5°	1038.9	1030.9	1028.9	1042.8	1048.8	1084.5	1162.0	1195.8	1243.5	1297.1	1277.2
25°	1046.8	1048.8	1044.8	1032.9	1034.9	1066.7	1118.3	1162.0	1215.6	1295.1	1255.4
27.5°	1066.7	1076.6	1060.7	1048.8	1036.9	1048.8	1102.4	1134.2	1193.8	1305.0	1253.4
30°	1086.5	1096.5	1092.5	1074.6	1050.8	1046.8	1084.5	1124.3	1181.9	1313.0	1253.4
32.5°	1116.3	1130.2	1116.3	1122.3	1094.5	1076.6	1090.5	1126.3	1193.8	1340.8	1255.4
35°	1150.1	1162.0	1166.0	1152.1	1146.1	1112.4	1120.3	1138.2	1205.7	1372.6	1275.2
37.5°	1187.8	1201.7	1213.7	1215.6	1195.8	1175.9	1171.9	1181.9	1235.5	1428.2	1297.1
40°	1213.7	1221.6	1245.4	1265.3	1271.3	1243.5	1241.5	1241.5	1289.1	1477.8	1336.8
42.5°	1257.4	1253.4	1287.1	1322.9	1332.8	1316.9	1320.9	1336.8	1364.6	1549.3	1400.4
45°	1279.2	1275.2	1315.0	1374.5	1420.2	1412.3	1416.3	1422.2	1448.0	1662.6	1507.6
47.5°	1309.0	1313.0	1370.6	1438.1	1485.8	1513.6	1535.4	1533.5	1553.3	1777.8	1626.8
50°	1338.8	1346.7	1416.3	1487.8	1571.2	1618.9	1650.7	1672.5	1692.4	1898.9	1763.9
52.5°	1396.4	1404.3	1481.8	1559.3	1666.5	1736.1	1815.5	1813.5	1815.5	2020.1	1900.9
55°	1479.8	1481.8	1527.5	1616.9	1761.9	1889.0	1998.3	2010.2	1976.4	2171.1	2057.9
57.5°	1575.2	1583.1	1622.8	1690.4	1837.4	2036.0	2202.9	2226.7	2135.3	2294.2	2200.9
60°	1664.6	1670.5	1732.1	1809.6	1968.5	2220.7	2409.4	2437.2	2337.9	2445.2	2349.8
62.5°	1563.3	1593.0	1702.3	1879.1	2198.9	2500.8	2671.6	2689.5	2534.6	2598.1	2508.7
65°	1251.4	1271.3	1428.2	1714.2	2214.8	3009.3	3076.8	3029.2	2804.7	2794.8	2749.1
67.5°	697.2	713.1	820.4	1120.3	1865.2	3200.0	3948.8	3599.3	3223.8	3090.7	3074.9
70°	550.2	554.2	568.1	629.7	1034.9	2820.6	4636.1	4652.0	3909.1	3497.9	3144.4
72.5°	446.9	444.9	486.7	540.3	611.8	1692.4	4419.6	5031.4	4433.5	3390.7	2739.2
75°	341.7	347.6	401.2	478.7	560.1	796.5	3297.3	4139.5	4153.4	3160.3	2310.1
77.5°	260.2	262.2	321.8	423.1	548.2	562.1	2151.2	3084.8	3098.7	2447.2	1273.2
80°	194.7	194.7	244.3	357.5	534.3	518.4	1324.9	2139.3	1936.7	860.1	278.1
82.5°	111.2	119.2	162.9	272.1	484.7	498.6	746.9	1225.6	818.4	234.4	129.1
85°	59.6	61.6	99.3	182.7	399.3	476.7	570.1	609.8	325.8	125.1	59.6
87.5°	21.8	21.8	45.7	93.4	252.3	353.6	452.9	389.3	186.7	57.6	29.8
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°	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8	1485.8
2.5°	1483.8	1475.9	1469.9	1475.9	1454.0	1444.1	1456.0	1450.0	1438.1	1432.2	1428.2
5°	1454.0	1444.1	1434.1	1428.2	1404.3	1380.5	1368.6	1344.8	1324.9	1330.8	1318.9
7.5°	1422.2	1412.3	1382.5	1354.7	1307.0	1259.3	1237.5	1203.7	1191.8	1181.9	1175.9
10°	1382.5	1364.6	1318.9	1263.3	1193.8	1140.2	1084.5	1044.8	1003.1	985.2	991.2
12.5°	1332.8	1322.9	1251.4	1166.0	1068.7	979.3	913.7	850.2	794.5	764.7	756.8
15°	1311.0	1281.2	1177.9	1064.7	941.5	830.3	733.0	621.7	556.2	524.4	524.4
17.5°	1287.1	1231.5	1108.4	953.4	812.4	669.4	532.3	431.0	379.4	361.5	361.5
20°	1249.4	1187.8	1026.9	848.2	677.3	504.5	381.4	325.8	309.9	298.0	299.9
22.5°	1221.6	1146.1	951.5	744.9	536.3	375.4	299.9	282.1	276.1	272.1	274.1
25°	1189.8	1096.5	872.0	633.6	421.1	296.0	260.2	252.3	256.2	258.2	258.2
27.5°	1164.0	1054.7	790.6	514.5	317.8	250.3	234.4	232.4	240.3	244.3	246.3
30°	1146.1	1017.0	711.1	405.2	254.3	222.5	214.5	214.5	224.5	228.4	230.4
32.5°	1128.2	985.2	625.7	309.9	216.5	198.6	196.6	198.6	204.6	204.6	206.6
35°	1134.2	955.4	544.3	250.3	194.7	182.7	182.7	182.7	184.7	186.7	186.7
37.5°	1146.1	947.5	456.9	210.6	178.8	170.8	170.8	168.8	170.8	168.8	170.8
40°	1158.0	935.6	377.4	186.7	168.8	162.9	160.9	156.9	154.9	154.9	156.9
42.5°	1207.7	951.5	309.9	170.8	160.9	156.9	151.0	147.0	145.0	145.0	145.0
45°	1271.3	981.3	256.2	162.9	154.9	145.0	141.0	139.0	135.1	137.1	139.0
47.5°	1366.6	1026.9	224.5	156.9	149.0	137.1	133.1	129.1	129.1	133.1	133.1
50°	1491.7	1102.4	204.6	151.0	143.0	131.1	125.1	123.2	123.2	129.1	129.1
52.5°	1626.8	1189.8	196.6	149.0	137.1	125.1	119.2	117.2	117.2	125.1	125.1
55°	1761.9	1297.1	202.6	149.0	133.1	119.2	113.2	109.2	111.2	117.2	117.2
57.5°	1910.9	1412.3	232.4	149.0	129.1	117.2	109.2	103.3	105.3	107.3	107.3
60°	2073.7	1563.3	284.0	149.0	127.1	113.2	103.3	95.3	95.3	97.3	97.3
62.5°	2238.6	1712.2	357.5	151.0	129.1	111.2	95.3	87.4	85.4	87.4	87.4
65°	2455.1	1950.6	431.0	151.0	135.1	107.3	89.4	79.5	77.5	77.5	79.5
67.5°	2759.0	2121.4	333.7	145.0	139.0	107.3	83.4	73.5	69.5	69.5	69.5
70°	2598.1	1789.7	212.5	135.1	133.1	111.2	79.5	67.5	63.6	61.6	61.6
72.5°	2224.7	1432.2	170.8	127.1	123.2	109.2	75.5	63.6	57.6	55.6	55.6
75°	1783.7	1130.2	149.0	115.2	107.3	91.4	69.5	57.6	53.6	49.7	49.7
77.5°	874.0	472.7	113.2	101.3	91.4	69.5	61.6	53.6	47.7	43.7	43.7
80°	218.5	164.9	83.4	79.5	67.5	53.6	49.7	45.7	41.7	37.7	37.7
82.5°	117.2	97.3	59.6	53.6	45.7	37.7	37.7	35.8	33.8	29.8	27.8
85°	59.6	57.6	39.7	35.8	29.8	23.8	25.8	25.8	23.8	17.9	17.9
87.5°	31.8	31.8	19.9	15.9	13.9	11.9	11.9	11.9	9.9	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)