

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: P671068

Luminaire Tested: **CCP-SA-2E-722-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671068
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-722-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4W distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

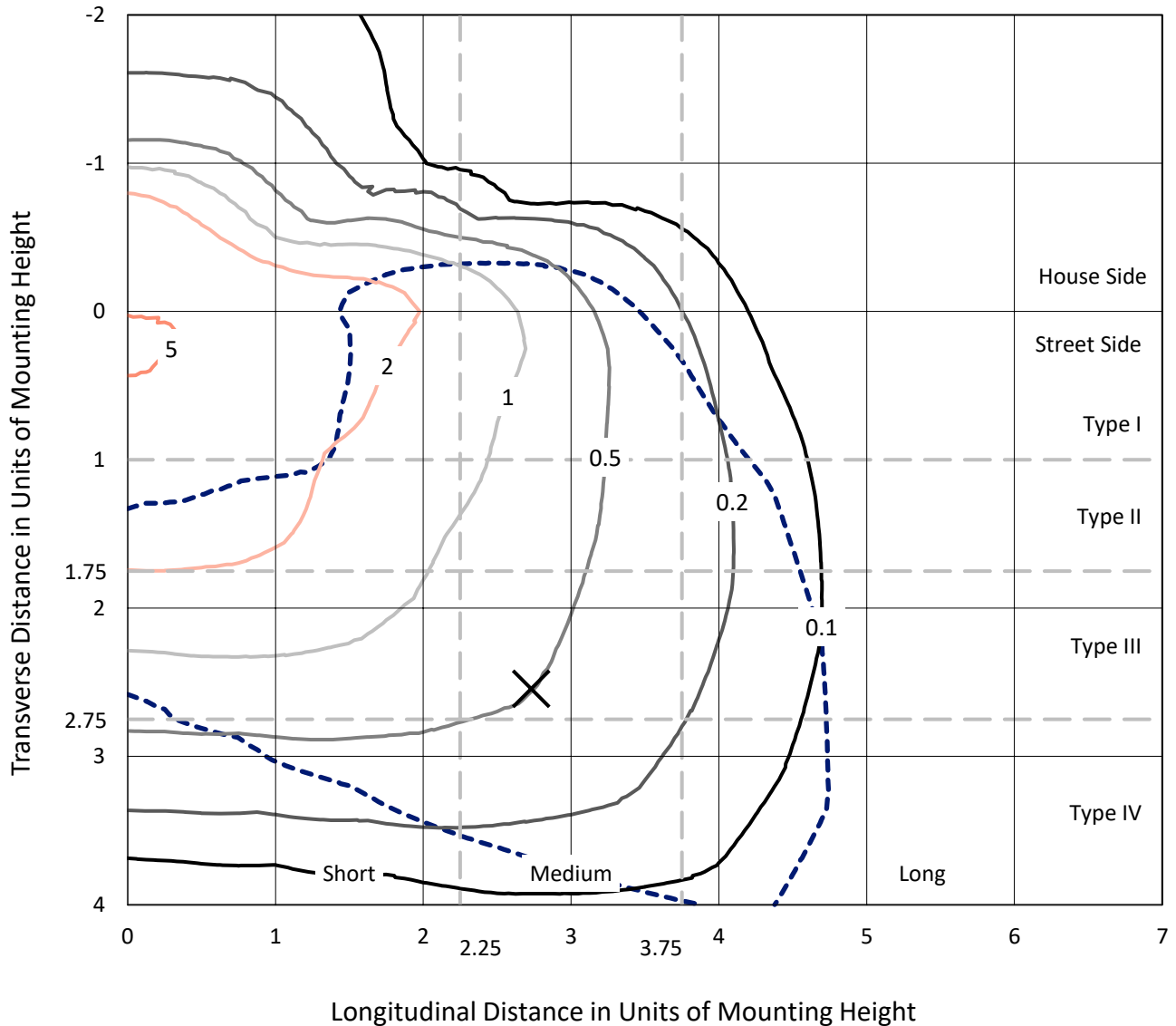
Lumens per Lamp: N/A
Luminaire Lumens: 10160.4 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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

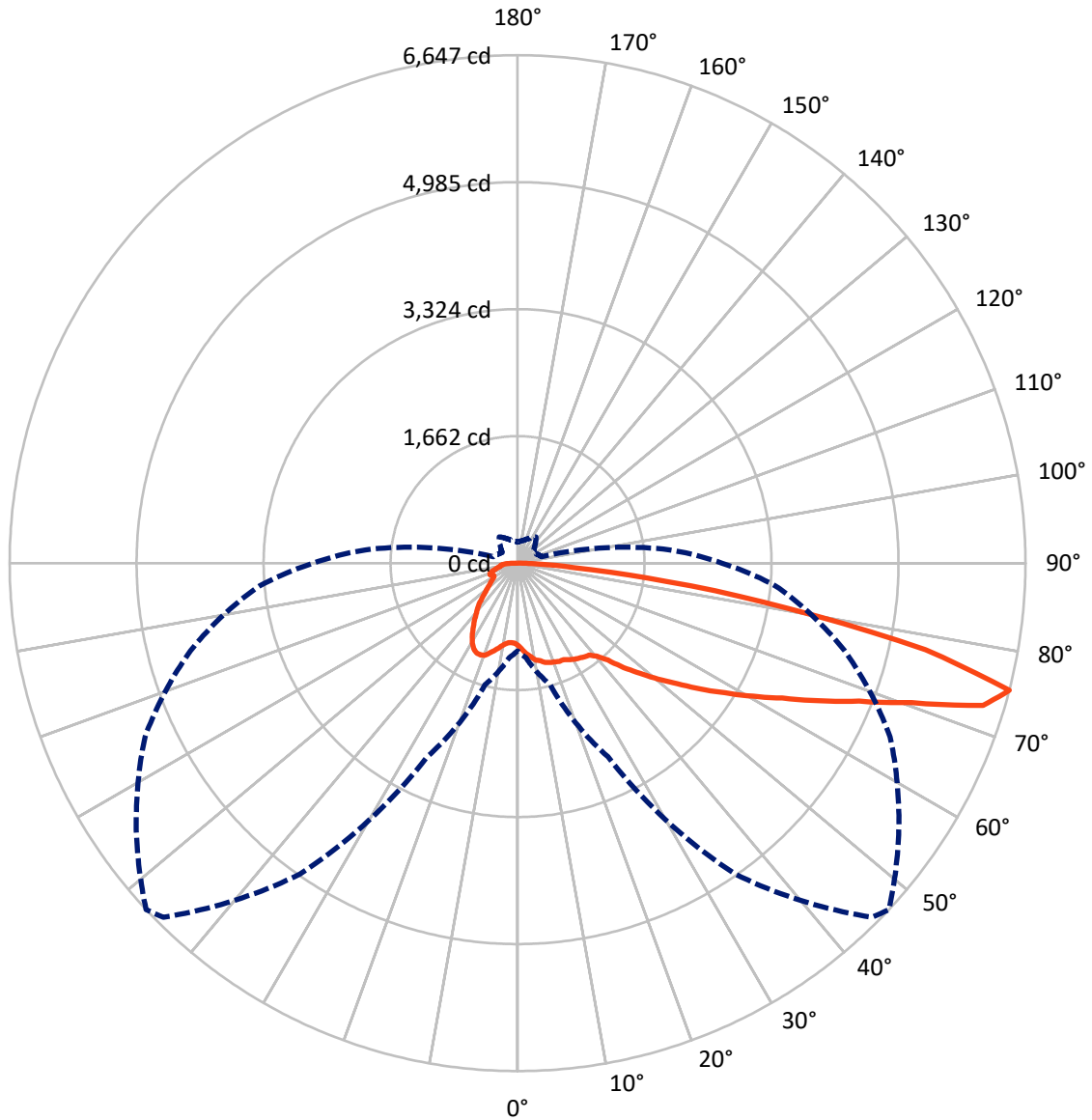
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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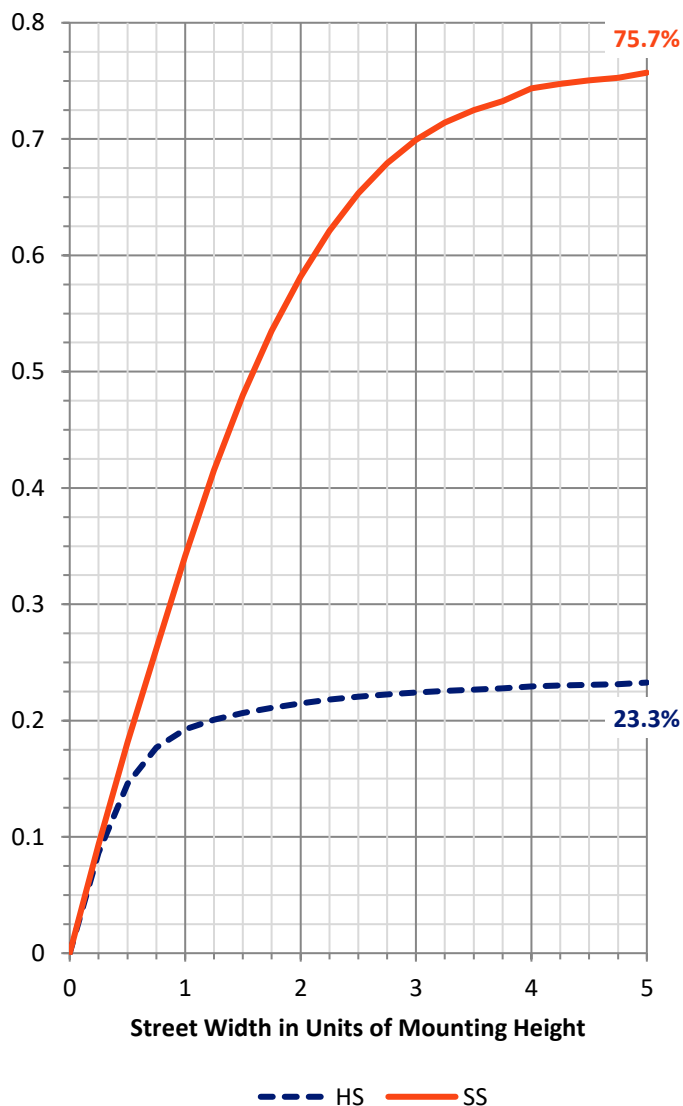
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2429.8	0.0	2429.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7730.6	0.0	7730.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	10160.4	0.0	10160.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	1.1
10°-20°	362.2	3.6
20°-30°	620.3	6.1
30°-40°	868.0	8.5
40°-50°	1210.2	11.9
50°-60°	1808.9	17.8
60°-70°	2608.1	25.7
70°-80°	2220.0	21.8
80°-90°	353.6	3.5
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°	10160.4	100.0
0°-180°	10160.4	100.0



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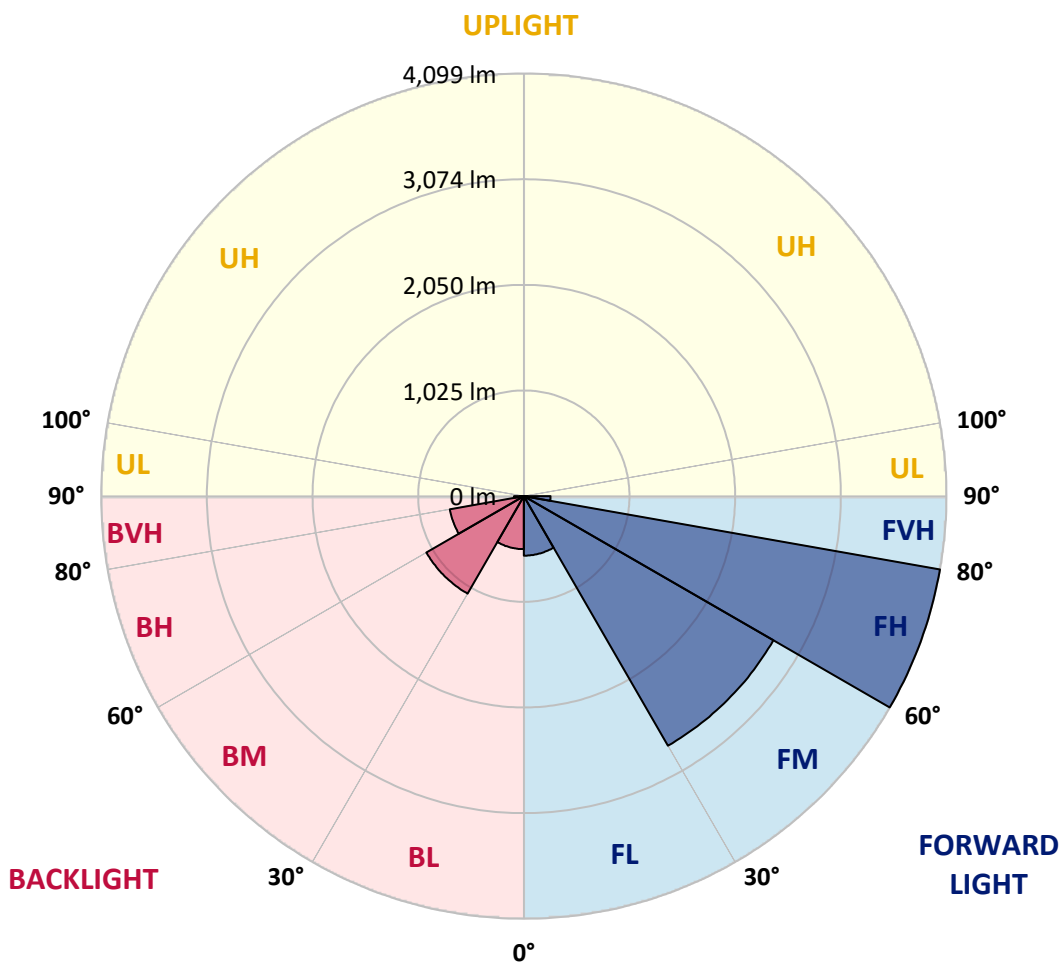
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.3	5.7			
FM (30°-60°)	2795.1	27.5			
FH (60°-80°)	4099.1	40.3			G2/5000
FVH (80°-90°)	259.1	2.6			G3/500
BL (0°-30°)	514.3	5.1	B2/1000		
BM (30°-60°)	1092.1	10.7	B2/2500		
BH (60°-80°)	728.9	7.2	B2/1000		G2/1000
BVH (80°-90°)	94.5	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8
2.5°	1156.7	1160.4	1160.4	1153.0	1145.6	1130.7	1130.7	1115.9	1108.5	1089.9	1082.5
5°	1264.2	1253.1	1241.9	1238.2	1219.7	1193.8	1190.0	1175.2	1134.4	1115.9	1089.9
7.5°	1342.0	1338.3	1334.6	1319.8	1286.4	1245.7	1234.5	1212.3	1171.5	1134.4	1104.8
10°	1405.1	1419.9	1405.1	1371.7	1338.3	1293.8	1290.1	1249.4	1212.3	1167.8	1130.7
12.5°	1475.5	1479.2	1453.3	1412.5	1360.6	1323.5	1308.7	1293.8	1253.1	1216.0	1160.4
15°	1523.7	1516.3	1497.7	1442.1	1382.8	1345.8	1349.5	1330.9	1286.4	1260.5	1201.2
17.5°	1523.7	1523.7	1494.0	1453.3	1401.4	1368.0	1368.0	1356.9	1327.2	1290.1	1249.4
20°	1494.0	1494.0	1475.5	1453.3	1393.9	1386.5	1379.1	1371.7	1371.7	1338.3	1279.0
22.5°	1457.0	1449.6	1457.0	1419.9	1379.1	1386.5	1397.7	1393.9	1382.8	1353.2	1312.4
25°	1419.9	1423.6	1431.0	1405.1	1368.0	1401.4	1397.7	1416.2	1408.8	1386.5	1353.2
27.5°	1416.2	1423.6	1427.3	1401.4	1386.5	1416.2	1431.0	1449.6	1453.3	1431.0	1390.2
30°	1471.8	1468.1	1464.4	1431.0	1419.9	1445.8	1460.7	1486.6	1508.9	1460.7	1427.3
32.5°	1616.4	1594.1	1571.9	1482.9	1449.6	1468.1	1482.9	1520.0	1523.7	1497.7	1449.6
35°	1846.2	1831.4	1757.3	1601.6	1508.9	1490.3	1505.2	1531.1	1538.5	1520.0	1482.9
37.5°	2109.5	2102.0	1998.2	1809.2	1631.2	1542.2	1527.4	1564.5	1594.1	1553.4	1501.5
40°	2369.0	2339.3	2265.2	2079.8	1786.9	1620.1	1601.6	1620.1	1631.2	1601.6	1568.2
42.5°	2602.5	2569.2	2550.6	2365.3	1990.8	1749.8	1735.0	1690.5	1723.9	1686.8	1642.3
45°	2799.0	2791.6	2784.2	2624.8	2224.4	1961.2	1950.0	1835.1	1872.2	1842.5	1779.5
47.5°	2939.9	2973.3	2962.1	2873.2	2491.3	2187.3	2153.9	2005.6	2061.3	2031.6	1968.6
50°	3106.7	3125.3	3114.1	3054.8	2739.7	2446.8	2383.8	2231.8	2294.8	2291.1	2257.7
52.5°	3255.0	3310.6	3247.6	3243.9	3095.6	2728.6	2621.1	2476.5	2580.3	2621.1	2617.4
55°	3429.3	3473.7	3455.2	3447.8	3414.4	3002.9	2906.5	2732.3	2906.5	2965.8	3017.7
57.5°	3577.5	3573.8	3644.3	3729.5	3770.3	3318.0	3203.1	2999.2	3262.4	3329.2	3473.7
60°	3644.3	3707.3	3825.9	4041.0	4155.9	3655.4	3536.8	3373.6	3622.0	3673.9	3940.9
62.5°	3688.8	3744.4	3974.2	4337.5	4404.3	4000.2	3889.0	3725.8	4015.0	4052.1	4448.8
65°	3566.4	3618.3	4074.3	4448.8	4686.0	4370.9	4345.0	4174.4	4408.0	4430.2	4982.6
67.5°	3425.5	3481.2	3989.1	4589.6	5060.5	4864.0	4823.2	4619.3	4797.2	4771.3	5390.4
70°	3177.2	3251.3	3770.3	4712.0	5475.7	5553.5	5472.0	5182.8	5201.3	4956.7	5409.0
72.5°	2420.9	2469.1	2951.0	4226.3	5668.5	6510.0	6369.1	5790.8	5579.5	4993.7	4775.0
75°	1149.3	1238.2	1646.0	2795.3	4967.8	6554.5	6647.2	6091.1	5379.3	4430.2	3384.8
77.5°	333.7	333.7	500.5	1186.3	3114.1	5282.9	5457.1	5171.7	4437.6	3281.0	1779.5
80°	181.7	192.8	263.2	418.9	1368.0	3332.9	3585.0	3429.3	2613.6	1297.6	459.7
82.5°	103.8	107.5	174.2	252.1	622.8	1812.9	1961.2	1779.5	993.6	393.0	215.0
85°	59.3	63.0	100.1	166.8	370.7	667.3	726.6	630.2	400.4	263.2	107.5
87.5°	29.7	29.7	48.2	77.9	189.1	189.1	185.4	226.1	241.0	159.4	48.2
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°	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8	1078.8
2.5°	1078.8	1075.1	1075.1	1060.3	1056.6	1045.5	1045.5	1038.0	1034.3	1045.5	1045.5
5°	1082.5	1064.0	1060.3	1045.5	1049.2	1041.8	1056.6	1049.2	1045.5	1045.5	1041.8
7.5°	1089.9	1071.4	1056.6	1045.5	1041.8	1052.9	1071.4	1071.4	1093.7	1082.5	1082.5
10°	1108.5	1097.4	1078.8	1071.4	1071.4	1082.5	1104.8	1119.6	1138.1	1138.1	1127.0
12.5°	1153.0	1134.4	1112.2	1101.1	1115.9	1127.0	1149.3	1164.1	1186.3	1193.8	1186.3
15°	1186.3	1167.8	1160.4	1153.0	1164.1	1178.9	1197.5	1212.3	1238.2	1245.7	1241.9
17.5°	1230.8	1208.6	1204.9	1208.6	1216.0	1227.1	1238.2	1249.4	1267.9	1267.9	1267.9
20°	1253.1	1245.7	1241.9	1253.1	1267.9	1282.7	1275.3	1267.9	1264.2	1271.6	1267.9
22.5°	1293.8	1286.4	1290.1	1301.3	1301.3	1293.8	1282.7	1256.8	1249.4	1256.8	1249.4
25°	1330.9	1323.5	1323.5	1316.1	1312.4	1286.4	1264.2	1241.9	1216.0	1227.1	1223.4
27.5°	1368.0	1364.3	1364.3	1334.6	1297.6	1253.1	1223.4	1197.5	1182.6	1201.2	1190.0
30°	1412.5	1416.2	1397.7	1327.2	1238.2	1190.0	1156.7	1153.0	1149.3	1160.4	1156.7
32.5°	1453.3	1457.0	1427.3	1316.1	1193.8	1101.1	1067.7	1071.4	1089.9	1108.5	1127.0
35°	1475.5	1494.0	1457.0	1279.0	1104.8	1001.0	963.9	997.3	1030.6	1056.6	1075.1
37.5°	1516.3	1564.5	1501.5	1238.2	1026.9	912.0	886.0	897.2	937.9	978.7	997.3
40°	1575.6	1631.2	1512.6	1160.4	923.1	823.0	808.2	811.9	826.7	852.7	871.2
42.5°	1679.4	1738.7	1523.7	1060.3	819.3	767.4	726.6	715.5	704.4	704.4	700.7
45°	1831.4	1887.0	1508.9	934.2	715.5	678.4	648.8	622.8	593.2	545.0	552.4
47.5°	2053.8	2098.3	1520.0	823.0	619.1	589.5	567.2	537.6	493.1	441.2	437.5
50°	2391.2	2324.5	1505.2	708.1	548.7	522.7	504.2	463.4	411.5	374.4	370.7
52.5°	2784.2	2650.7	1490.3	611.7	489.4	467.1	452.3	407.8	359.6	341.1	337.4
55°	3258.7	3065.9	1512.6	526.4	444.9	426.3	411.5	370.7	333.7	318.8	315.1
57.5°	3818.5	3514.5	1634.9	459.7	396.7	389.3	385.6	352.2	318.8	307.7	304.0
60°	4345.0	3944.6	1716.5	411.5	352.2	359.6	367.0	352.2	315.1	307.7	307.7
62.5°	4786.1	4300.5	1586.7	370.7	329.9	352.2	385.6	374.4	359.6	367.0	359.6
65°	5175.4	4422.8	1186.3	348.5	318.8	370.7	426.3	422.6	389.3	396.7	393.0
67.5°	5242.1	4274.5	774.8	329.9	311.4	407.8	478.2	433.8	367.0	367.0	355.9
70°	4964.1	3877.8	519.0	311.4	307.7	407.8	489.4	407.8	344.8	344.8	329.9
72.5°	4074.3	3099.3	400.4	292.9	281.8	363.3	463.4	385.6	322.5	315.1	289.2
75°	2676.7	1998.2	326.2	278.0	244.7	318.8	418.9	355.9	307.7	285.5	274.3
77.5°	1312.4	897.2	274.3	244.7	211.3	278.0	381.9	337.4	289.2	266.9	259.5
80°	359.6	322.5	229.9	215.0	178.0	241.0	359.6	322.5	270.6	248.4	237.3
82.5°	203.9	200.2	185.4	174.2	148.3	241.0	363.3	322.5	255.8	252.1	215.0
85°	111.2	118.6	133.5	129.8	114.9	215.0	344.8	281.8	207.6	174.2	174.2
87.5°	44.5	55.6	66.7	74.1	77.9	159.4	259.5	215.0	159.4	133.5	133.5
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)