

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: P671100

Luminaire Tested: **CCP-SA-2D-735-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671100
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-735-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4W distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

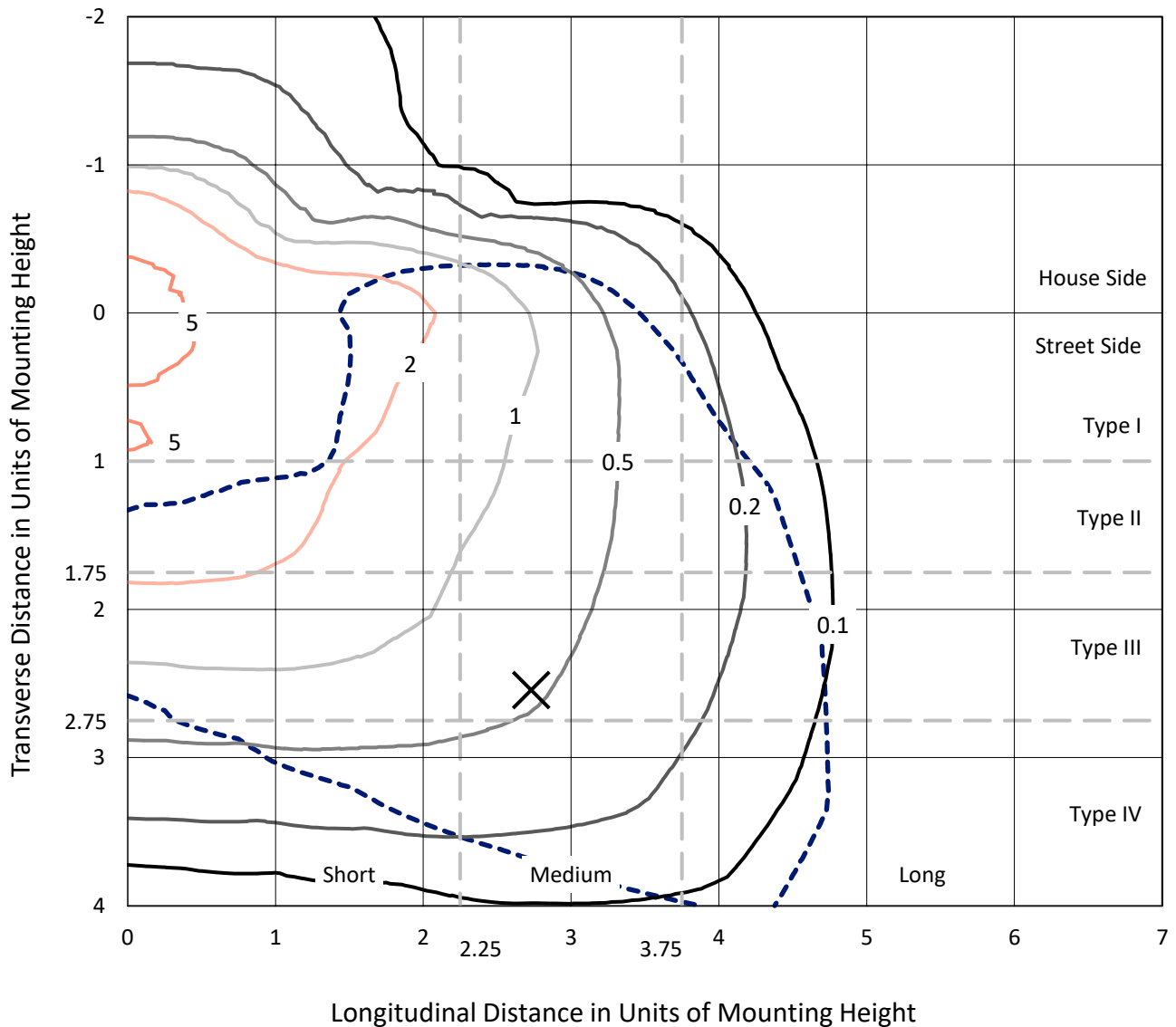
Lumens per Lamp: N/A
Luminaire Lumens: 11097.1 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
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

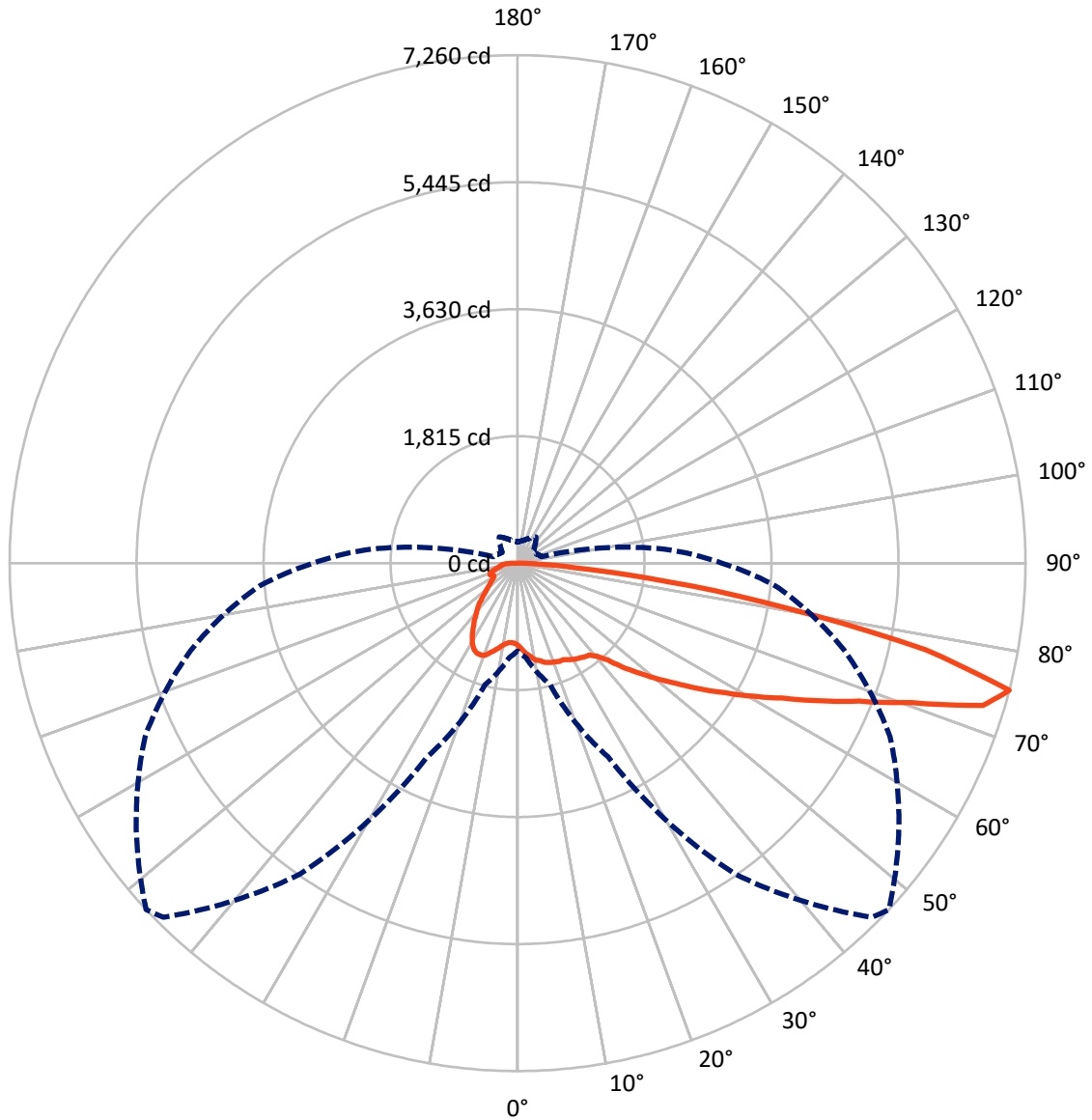
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 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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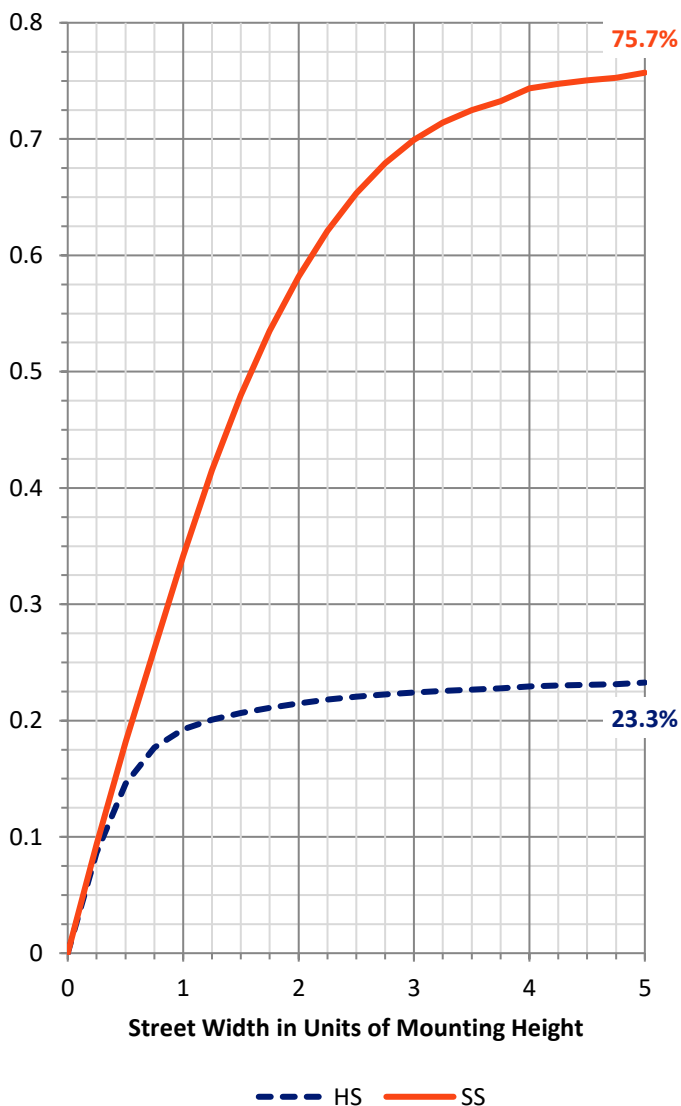
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2653.9	0.0	2653.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	8443.2	0.0	8443.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	11097.1	0.0	11097.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	1.1
10°-20°	395.6	3.6
20°-30°	677.5	6.1
30°-40°	948.0	8.5
40°-50°	1321.8	11.9
50°-60°	1975.7	17.8
60°-70°	2848.5	25.7
70°-80°	2424.7	21.8
80°-90°	386.2	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°	11097.1	100.0
0°-180°	11097.1	100.0



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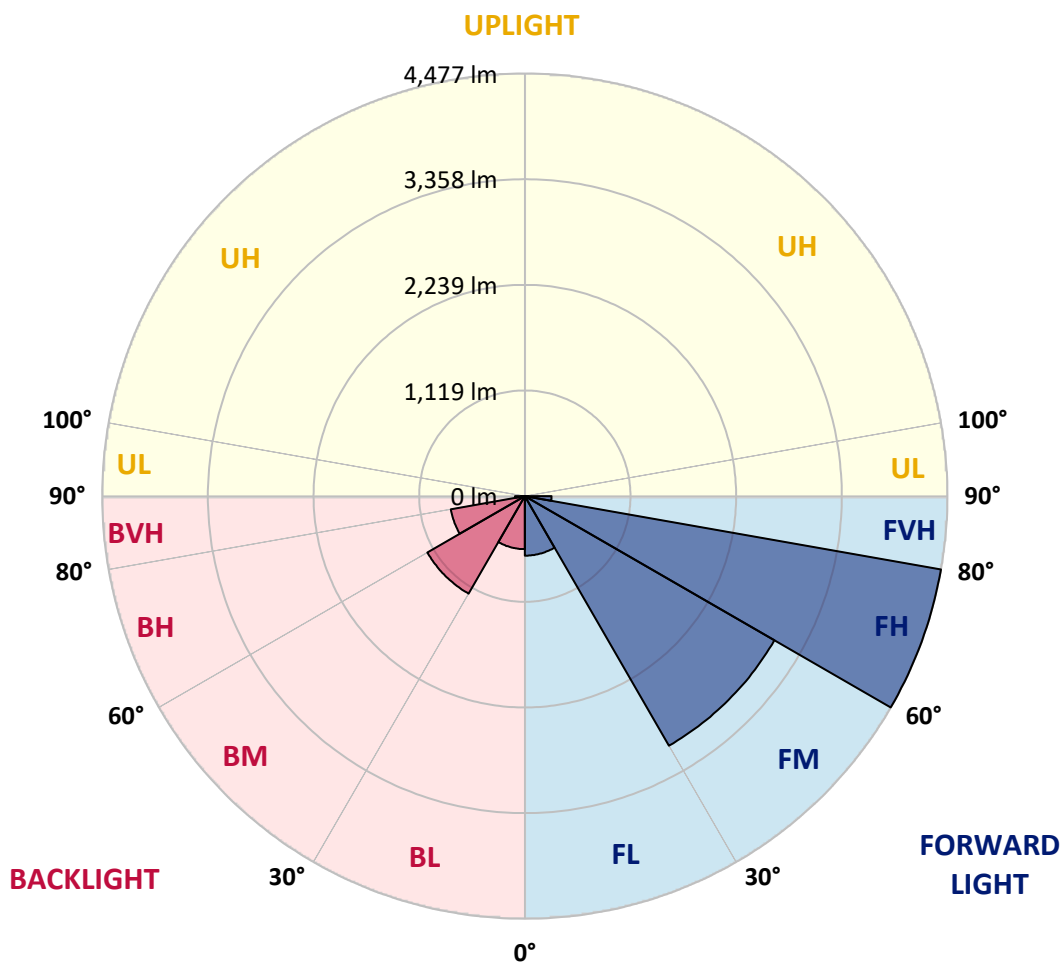
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	630.5	5.7			
FM (30°-60°)	3052.7	27.5			
FH (60°-80°)	4477.0	40.3			G2/5000
FVH (80°-90°)	283.0	2.6			G3/500
BL (0°-30°)	561.7	5.1	B2/1000		
BM (30°-60°)	1192.7	10.7	B2/2500		
BH (60°-80°)	796.1	7.2	B2/1000		G2/1000
BVH (80°-90°)	103.2	0.9			G2/225
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°	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3
2.5°	1263.3	1267.4	1267.4	1259.3	1251.2	1235.0	1235.0	1218.8	1210.7	1190.4	1182.3
5°	1380.7	1368.6	1356.4	1352.4	1332.1	1303.8	1299.7	1283.5	1239.0	1218.8	1190.4
7.5°	1465.8	1461.7	1457.7	1441.5	1405.0	1360.5	1348.3	1324.0	1279.5	1239.0	1206.6
10°	1534.6	1550.8	1534.6	1498.1	1461.7	1413.1	1409.1	1364.5	1324.0	1275.4	1235.0
12.5°	1611.5	1615.6	1587.2	1542.7	1486.0	1445.5	1429.3	1413.1	1368.6	1328.1	1267.4
15°	1664.2	1656.1	1635.8	1575.1	1510.3	1469.8	1473.9	1453.6	1405.0	1376.7	1311.9
17.5°	1664.2	1664.2	1631.8	1587.2	1530.5	1494.1	1494.1	1482.0	1449.6	1409.1	1364.5
20°	1631.8	1631.8	1611.5	1587.2	1522.4	1514.3	1506.2	1498.1	1498.1	1461.7	1396.9
22.5°	1591.3	1583.2	1591.3	1550.8	1506.2	1514.3	1526.5	1522.4	1510.3	1477.9	1433.4
25°	1550.8	1554.8	1562.9	1534.6	1494.1	1530.5	1526.5	1546.7	1538.6	1514.3	1477.9
27.5°	1546.7	1554.8	1558.9	1530.5	1514.3	1546.7	1562.9	1583.2	1587.2	1562.9	1518.4
30°	1607.5	1603.4	1599.4	1562.9	1550.8	1579.1	1595.3	1623.7	1648.0	1595.3	1558.9
32.5°	1765.4	1741.1	1716.8	1619.6	1583.2	1603.4	1619.6	1660.1	1664.2	1635.8	1583.2
35°	2016.4	2000.2	1919.2	1749.2	1648.0	1627.7	1643.9	1672.3	1680.4	1660.1	1619.6
37.5°	2303.9	2295.8	2182.4	1975.9	1781.6	1684.4	1668.2	1708.7	1741.1	1696.5	1639.9
40°	2587.3	2554.9	2474.0	2271.5	1951.6	1769.4	1749.2	1769.4	1781.6	1749.2	1712.7
42.5°	2842.4	2806.0	2785.7	2583.3	2174.3	1911.1	1895.0	1846.4	1882.8	1842.3	1793.7
45°	3057.0	3048.9	3040.8	2866.7	2429.4	2141.9	2129.8	2004.3	2044.8	2012.4	1943.5
47.5°	3210.9	3247.3	3235.2	3138.0	2721.0	2388.9	2352.5	2190.5	2251.3	2218.9	2150.0
50°	3393.1	3413.3	3401.2	3336.4	2992.2	2672.4	2603.5	2437.5	2506.4	2502.3	2465.9
52.5°	3555.1	3615.8	3547.0	3542.9	3381.0	2980.1	2862.7	2704.8	2818.1	2862.7	2858.6
55°	3745.4	3794.0	3773.7	3765.6	3729.2	3279.7	3174.5	2984.1	3174.5	3239.2	3295.9
57.5°	3907.3	3903.3	3980.2	4073.3	4117.9	3623.9	3498.4	3275.7	3563.2	3636.0	3794.0
60°	3980.2	4049.0	4178.6	4413.5	4539.0	3992.4	3862.8	3684.6	3955.9	4012.6	4304.1
62.5°	4028.8	4089.5	4340.6	4737.4	4810.3	4368.9	4247.4	4069.3	4385.1	4425.6	4858.9
65°	3895.2	3951.9	4449.9	4858.9	5118.0	4773.8	4745.5	4559.2	4814.3	4838.6	5441.9
67.5°	3741.3	3802.1	4356.8	5012.7	5526.9	5312.3	5267.8	5045.1	5239.5	5211.1	5887.3
70°	3470.0	3551.0	4117.9	5146.3	5980.4	6065.5	5976.4	5660.6	5680.8	5413.6	5907.6
72.5°	2644.0	2696.7	3223.0	4615.9	6191.0	7110.1	6956.3	6324.6	6093.8	5454.1	5215.2
75°	1255.2	1352.4	1797.8	3053.0	5425.7	7158.7	7259.9	6652.6	5875.2	4838.6	3696.8
77.5°	364.4	364.4	546.6	1295.7	3401.2	5769.9	5960.2	5648.4	4846.7	3583.4	1943.5
80°	198.4	210.6	287.5	457.5	1494.1	3640.1	3915.4	3745.4	2854.6	1417.2	502.1
82.5°	113.4	117.4	190.3	275.3	680.2	1980.0	2141.9	1943.5	1085.1	429.2	234.8
85°	64.8	68.8	109.3	182.2	404.9	728.8	793.6	688.3	437.3	287.5	117.4
87.5°	32.4	32.4	52.6	85.0	206.5	206.5	202.5	247.0	263.2	174.1	52.6
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°	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3
2.5°	1178.3	1174.2	1174.2	1158.0	1154.0	1141.8	1141.8	1133.7	1129.7	1141.8	1141.8
5°	1182.3	1162.1	1158.0	1141.8	1145.9	1137.8	1154.0	1145.9	1141.8	1141.8	1137.8
7.5°	1190.4	1170.2	1154.0	1141.8	1137.8	1149.9	1170.2	1170.2	1194.5	1182.3	1182.3
10°	1210.7	1198.5	1178.3	1170.2	1170.2	1182.3	1206.6	1222.8	1243.1	1243.1	1230.9
12.5°	1259.3	1239.0	1214.7	1202.6	1218.8	1230.9	1255.2	1271.4	1295.7	1303.8	1295.7
15°	1295.7	1275.4	1267.4	1259.3	1271.4	1287.6	1307.8	1324.0	1352.4	1360.5	1356.4
17.5°	1344.3	1320.0	1315.9	1320.0	1328.1	1340.2	1352.4	1364.5	1384.8	1384.8	1384.8
20°	1368.6	1360.5	1356.4	1368.6	1384.8	1401.0	1392.9	1384.8	1380.7	1388.8	1384.8
22.5°	1413.1	1405.0	1409.1	1421.2	1421.2	1413.1	1401.0	1372.6	1364.5	1372.6	1364.5
25°	1453.6	1445.5	1445.5	1437.4	1433.4	1405.0	1380.7	1356.4	1328.1	1340.2	1336.2
27.5°	1494.1	1490.0	1490.0	1457.7	1417.2	1368.6	1336.2	1307.8	1291.6	1311.9	1299.7
30°	1542.7	1546.7	1526.5	1449.6	1352.4	1299.7	1263.3	1259.3	1255.2	1267.4	1263.3
32.5°	1587.2	1591.3	1558.9	1437.4	1303.8	1202.6	1166.1	1170.2	1190.4	1210.7	1230.9
35°	1611.5	1631.8	1591.3	1396.9	1206.6	1093.2	1052.8	1089.2	1125.6	1154.0	1174.2
37.5°	1656.1	1708.7	1639.9	1352.4	1121.6	996.1	967.7	979.9	1024.4	1068.9	1089.2
40°	1720.8	1781.6	1652.0	1267.4	1008.2	898.9	882.7	886.7	902.9	931.3	951.5
42.5°	1834.2	1899.0	1664.2	1158.0	894.8	838.2	793.6	781.5	769.3	769.3	765.3
45°	2000.2	2061.0	1648.0	1020.4	781.5	741.0	708.6	680.2	647.8	595.2	603.3
47.5°	2243.2	2291.8	1660.1	898.9	676.2	643.8	619.5	587.1	538.5	481.8	477.8
50°	2611.6	2538.8	1643.9	773.4	599.3	570.9	550.7	506.1	449.4	409.0	404.9
52.5°	3040.8	2895.1	1627.7	668.1	534.5	510.2	494.0	445.4	392.8	372.5	368.5
55°	3559.1	3348.6	1652.0	575.0	485.9	465.6	449.4	404.9	364.4	348.2	344.2
57.5°	4170.5	3838.5	1785.6	502.1	433.2	425.1	421.1	384.7	348.2	336.1	332.0
60°	4745.5	4308.2	1874.7	449.4	384.7	392.8	400.9	384.7	344.2	336.1	336.1
62.5°	5227.3	4696.9	1733.0	404.9	360.4	384.7	421.1	409.0	392.8	400.9	392.8
65°	5652.5	4830.5	1295.7	380.6	348.2	404.9	465.6	461.6	425.1	433.2	429.2
67.5°	5725.3	4668.5	846.3	360.4	340.1	445.4	522.3	473.7	400.9	400.9	388.7
70°	5421.7	4235.3	566.9	340.1	336.1	445.4	534.5	445.4	376.6	376.6	360.4
72.5°	4449.9	3385.0	437.3	319.9	307.7	396.8	506.1	421.1	352.3	344.2	315.8
75°	2923.4	2182.4	356.3	303.7	267.2	348.2	457.5	388.7	336.1	311.8	299.6
77.5°	1433.4	979.9	299.6	267.2	230.8	303.7	417.1	368.5	315.8	291.5	283.4
80°	392.8	352.3	251.0	234.8	194.4	263.2	392.8	352.3	295.6	271.3	259.1
82.5°	222.7	218.6	202.5	190.3	162.0	263.2	396.8	352.3	279.4	275.3	234.8
85°	121.5	129.6	145.8	141.7	125.5	234.8	376.6	307.7	226.7	190.3	190.3
87.5°	48.6	60.7	72.9	81.0	85.0	174.1	283.4	234.8	174.1	145.8	145.8
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)