

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: P671122

Luminaire Tested: **CCP-SA-2D-750-U-T4W**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671122  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-750-U-T4W  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4W distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

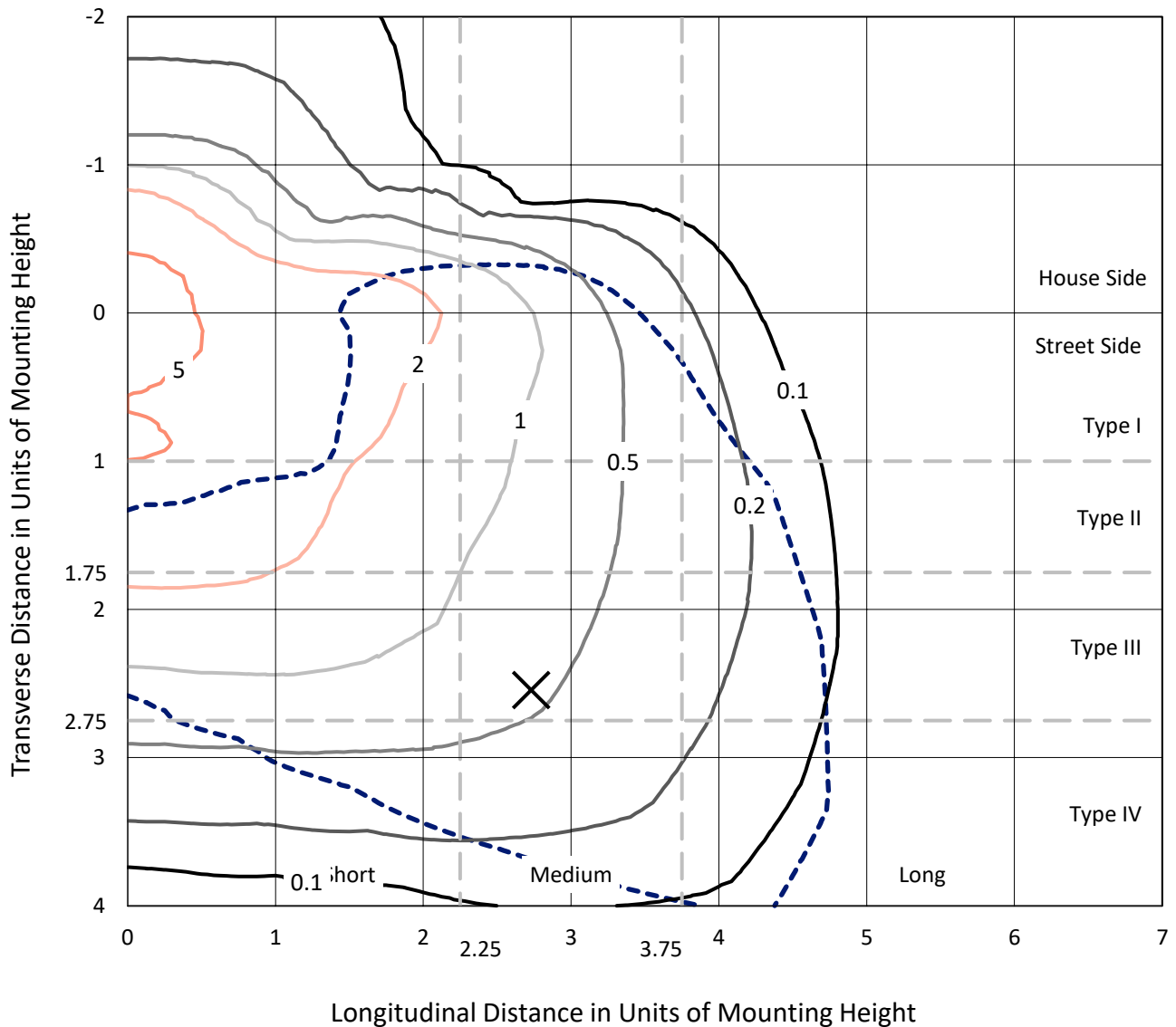
Lumens per Lamp: N/A  
Luminaire Lumens: 11508.8 lumens  
Efficiency: N/A  
Efficacy: 142.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

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

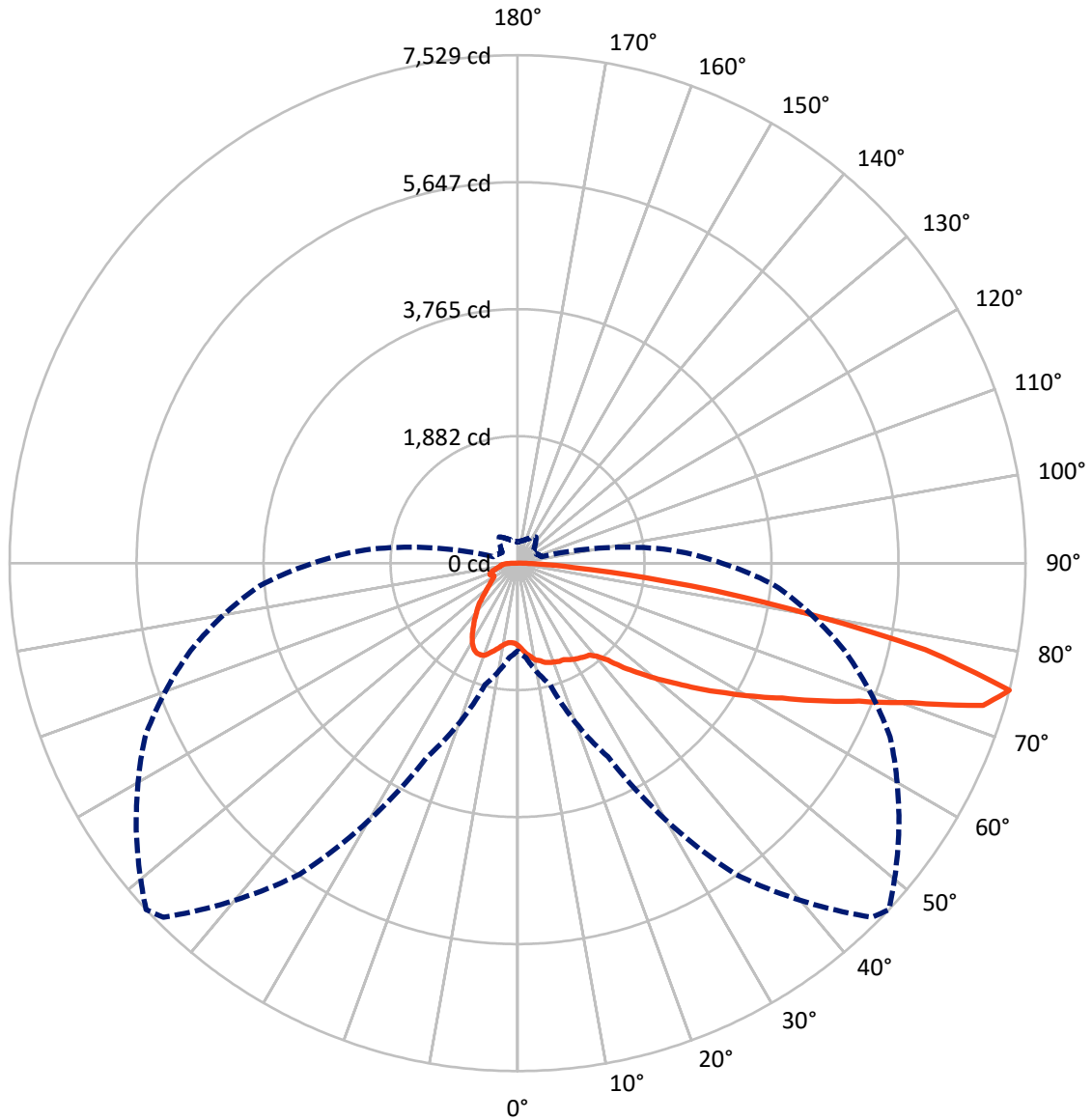
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 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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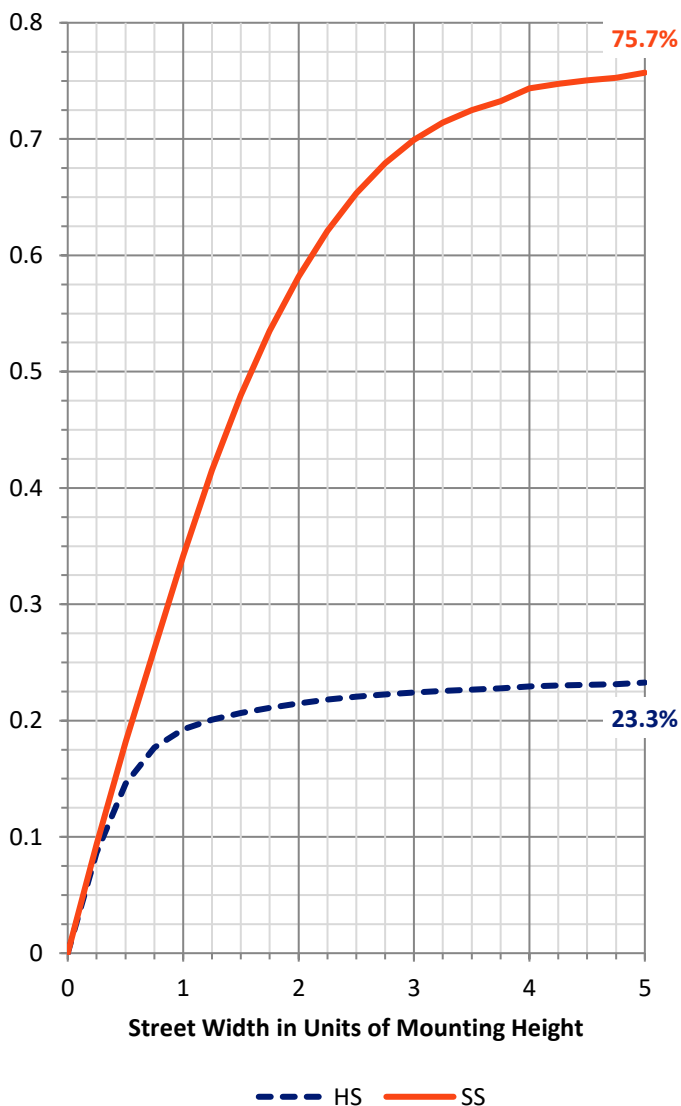
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2752.3	0.0	2752.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	8756.5	0.0	8756.5
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	11508.8	0.0	11508.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.5	1.1
10°-20°	410.2	3.6
20°-30°	702.7	6.1
30°-40°	983.2	8.5
40°-50°	1370.8	11.9
50°-60°	2049.0	17.8
60°-70°	2954.2	25.7
70°-80°	2514.6	21.8
80°-90°	400.6	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°	11508.8	100.0
0°-180°	11508.8	100.0



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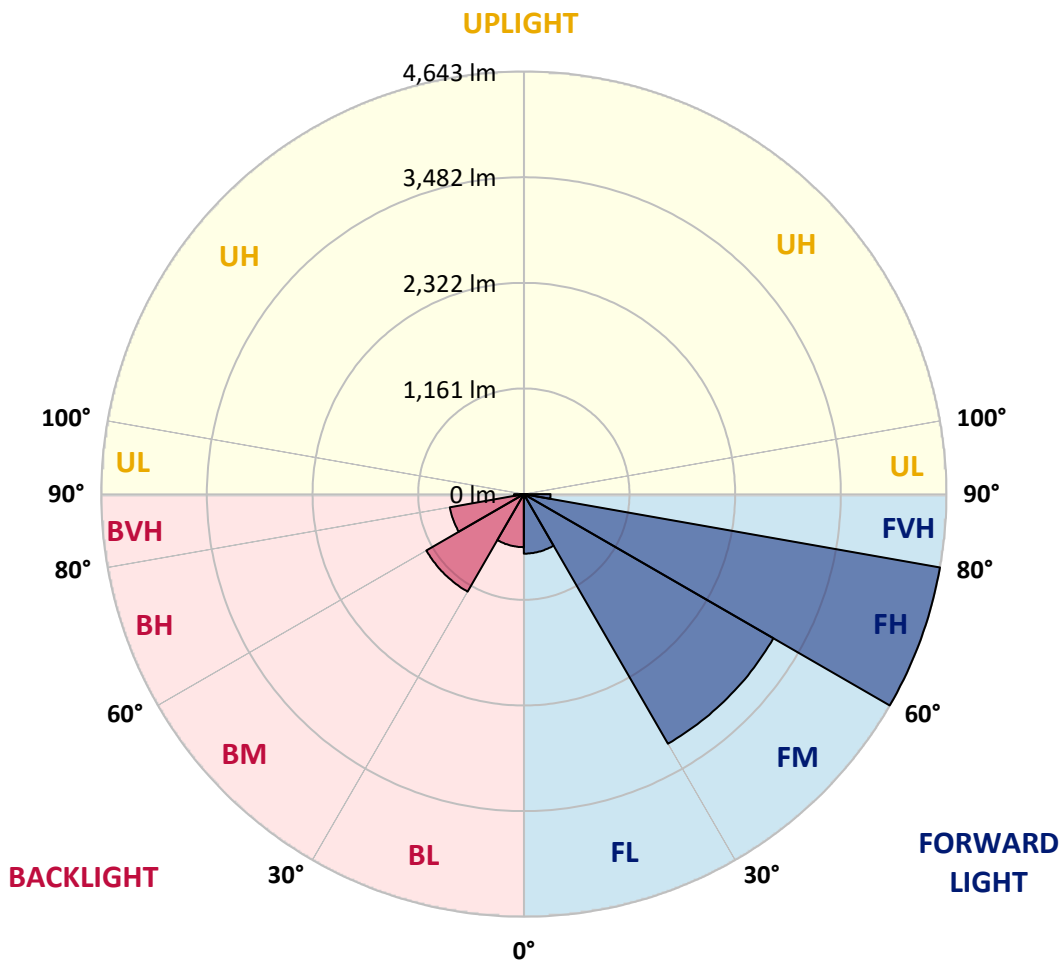
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	653.9	5.7			
FM (30°-60°)	3166.0	27.5			
FH (60°-80°)	4643.1	40.3			G2/5000
FVH (80°-90°)	293.5	2.6			G3/500
BL (0°-30°)	582.6	5.1	B2/1000		
BM (30°-60°)	1237.0	10.7	B2/2500		
BH (60°-80°)	825.7	7.2	B2/1000		G2/1000
BVH (80°-90°)	107.1	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°	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0
2.5°	1310.2	1314.4	1314.4	1306.0	1297.6	1280.8	1280.8	1264.0	1255.6	1234.6	1226.2
5°	1432.0	1419.4	1406.8	1402.6	1381.6	1352.2	1348.0	1331.2	1285.0	1264.0	1234.6
7.5°	1520.1	1515.9	1511.7	1495.0	1457.2	1411.0	1398.4	1373.2	1327.0	1285.0	1251.4
10°	1591.5	1608.3	1591.5	1553.7	1515.9	1465.6	1461.4	1415.2	1373.2	1322.8	1280.8
12.5°	1671.3	1675.5	1646.1	1599.9	1541.1	1499.1	1482.4	1465.6	1419.4	1377.4	1314.4
15°	1725.9	1717.5	1696.5	1633.5	1566.3	1524.3	1528.5	1507.5	1457.2	1427.8	1360.6
17.5°	1725.9	1725.9	1692.3	1646.1	1587.3	1549.5	1549.5	1536.9	1503.3	1461.4	1415.2
20°	1692.3	1692.3	1671.3	1646.1	1578.9	1570.5	1562.1	1553.7	1553.7	1515.9	1448.8
22.5°	1650.3	1641.9	1650.3	1608.3	1562.1	1570.5	1583.1	1578.9	1566.3	1532.7	1486.6
25°	1608.3	1612.5	1620.9	1591.5	1549.5	1587.3	1583.1	1604.1	1595.7	1570.5	1532.7
27.5°	1604.1	1612.5	1616.7	1587.3	1570.5	1604.1	1620.9	1641.9	1646.1	1620.9	1574.7
30°	1667.1	1662.9	1658.7	1620.9	1608.3	1637.7	1654.5	1683.9	1709.1	1654.5	1616.7
32.5°	1830.9	1805.7	1780.5	1679.7	1641.9	1662.9	1679.7	1721.7	1725.9	1696.5	1641.9
35°	2091.3	2074.5	1990.5	1814.1	1709.1	1688.1	1704.9	1734.3	1742.7	1721.7	1679.7
37.5°	2389.4	2381.0	2263.4	2049.3	1847.7	1746.9	1730.1	1772.1	1805.7	1759.5	1700.7
40°	2683.4	2649.8	2565.8	2355.8	2024.1	1835.1	1814.1	1835.1	1847.7	1814.1	1776.3
42.5°	2947.9	2910.1	2889.1	2679.2	2255.0	1982.1	1965.3	1914.9	1952.7	1910.7	1860.3
45°	3170.5	3162.1	3153.7	2973.1	2519.6	2221.4	2208.8	2078.7	2120.6	2087.1	2015.7
47.5°	3330.0	3367.8	3355.2	3254.5	2821.9	2477.6	2439.8	2271.8	2334.8	2301.2	2229.8
50°	3519.0	3540.0	3527.4	3460.2	3103.3	2771.5	2700.1	2528.0	2599.4	2595.2	2557.4
52.5°	3687.0	3750.0	3678.6	3674.4	3506.4	3090.7	2968.9	2805.1	2922.7	2968.9	2964.7
55°	3884.4	3934.7	3913.7	3905.3	3867.6	3401.4	3292.3	3094.9	3292.3	3359.4	3418.2
57.5°	4052.3	4048.1	4127.9	4224.5	4270.7	3758.4	3628.2	3397.2	3695.4	3771.0	3934.7
60°	4127.9	4199.3	4333.7	4577.2	4707.4	4140.5	4006.1	3821.4	4102.7	4161.5	4463.9
62.5°	4178.3	4241.3	4501.6	4913.2	4988.8	4531.0	4405.1	4220.3	4547.8	4589.8	5039.2
65°	4039.7	4098.5	4615.0	5039.2	5307.9	4951.0	4921.6	4728.4	4993.0	5018.2	5643.9
67.5°	3880.2	3943.1	4518.4	5198.7	5732.0	5509.5	5463.3	5232.3	5433.9	5404.5	6105.8
70°	3598.8	3682.8	4270.7	5337.3	6202.4	6290.5	6198.2	5870.6	5891.6	5614.5	6126.8
72.5°	2742.1	2796.7	3342.6	4787.2	6420.7	7374.0	7214.4	6559.3	6319.9	5656.5	5408.7
75°	1301.8	1402.6	1864.5	3166.3	5627.1	7424.4	7529.3	6899.4	6093.2	5018.2	3834.0
77.5°	377.9	377.9	566.9	1343.8	3527.4	5984.0	6181.4	5858.0	5026.6	3716.4	2015.7
80°	205.8	218.4	298.2	474.5	1549.5	3775.2	4060.7	3884.4	2960.5	1469.8	520.7
82.5°	117.6	121.8	197.4	285.6	705.5	2053.5	2221.4	2015.7	1125.4	445.1	243.6
85°	67.2	71.4	113.4	189.0	419.9	755.9	823.1	713.9	453.5	298.2	121.8
87.5°	33.6	33.6	54.6	88.2	214.2	214.2	210.0	256.2	273.0	180.6	54.6
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°	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0	1222.0
2.5°	1222.0	1217.8	1217.8	1201.0	1196.8	1184.2	1184.2	1175.8	1171.6	1184.2	1184.2
5°	1226.2	1205.2	1201.0	1184.2	1188.4	1180.0	1196.8	1188.4	1184.2	1184.2	1180.0
7.5°	1234.6	1213.6	1196.8	1184.2	1180.0	1192.6	1213.6	1213.6	1238.8	1226.2	1226.2
10°	1255.6	1243.0	1222.0	1213.6	1213.6	1226.2	1251.4	1268.2	1289.2	1289.2	1276.6
12.5°	1306.0	1285.0	1259.8	1247.2	1264.0	1276.6	1301.8	1318.6	1343.8	1352.2	1343.8
15°	1343.8	1322.8	1314.4	1306.0	1318.6	1335.4	1356.4	1373.2	1402.6	1411.0	1406.8
17.5°	1394.2	1369.0	1364.8	1369.0	1377.4	1390.0	1402.6	1415.2	1436.2	1436.2	1436.2
20°	1419.4	1411.0	1406.8	1419.4	1436.2	1453.0	1444.6	1436.2	1432.0	1440.4	1436.2
22.5°	1465.6	1457.2	1461.4	1474.0	1474.0	1465.6	1453.0	1423.6	1415.2	1423.6	1415.2
25°	1507.5	1499.1	1499.1	1490.8	1486.6	1457.2	1432.0	1406.8	1377.4	1390.0	1385.8
27.5°	1549.5	1545.3	1545.3	1511.7	1469.8	1419.4	1385.8	1356.4	1339.6	1360.6	1348.0
30°	1599.9	1604.1	1583.1	1503.3	1402.6	1348.0	1310.2	1306.0	1301.8	1314.4	1310.2
32.5°	1646.1	1650.3	1616.7	1490.8	1352.2	1247.2	1209.4	1213.6	1234.6	1255.6	1276.6
35°	1671.3	1692.3	1650.3	1448.8	1251.4	1133.8	1091.8	1129.6	1167.4	1196.8	1217.8
37.5°	1717.5	1772.1	1700.7	1402.6	1163.2	1033.0	1003.6	1016.2	1062.4	1108.6	1129.6
40°	1784.7	1847.7	1713.3	1314.4	1045.6	932.2	915.4	919.6	936.4	965.8	986.8
42.5°	1902.3	1969.5	1725.9	1201.0	928.0	869.3	823.1	810.5	797.9	797.9	793.7
45°	2074.5	2137.4	1709.1	1058.2	810.5	768.5	734.9	705.5	671.9	617.3	625.7
47.5°	2326.4	2376.8	1721.7	932.2	701.3	667.7	642.5	608.9	558.5	499.7	495.5
50°	2708.5	2633.0	1704.9	802.1	621.5	592.1	571.1	524.9	466.1	424.1	419.9
52.5°	3153.7	3002.5	1688.1	692.9	554.3	529.1	512.3	461.9	407.3	386.3	382.1
55°	3691.2	3472.8	1713.3	596.3	503.9	482.9	466.1	419.9	377.9	361.1	356.9
57.5°	4325.3	3980.9	1851.9	520.7	449.3	440.9	436.7	398.9	361.1	348.5	344.3
60°	4921.6	4468.1	1944.3	466.1	398.9	407.3	415.7	398.9	356.9	348.5	348.5
62.5°	5421.3	4871.2	1797.3	419.9	373.7	398.9	436.7	424.1	407.3	415.7	407.3
65°	5862.2	5009.8	1343.8	394.7	361.1	419.9	482.9	478.7	440.9	449.3	445.1
67.5°	5937.8	4841.8	877.7	373.7	352.7	461.9	541.7	491.3	415.7	415.7	403.1
70°	5622.9	4392.5	587.9	352.7	348.5	461.9	554.3	461.9	390.5	390.5	373.7
72.5°	4615.0	3510.6	453.5	331.7	319.1	411.5	524.9	436.7	365.3	356.9	327.5
75°	3031.9	2263.4	369.5	314.9	277.2	361.1	474.5	403.1	348.5	323.3	310.7
77.5°	1486.6	1016.2	310.7	277.2	239.4	314.9	432.5	382.1	327.5	302.3	294.0
80°	407.3	365.3	260.4	243.6	201.6	273.0	407.3	365.3	306.5	281.4	268.8
82.5°	231.0	226.8	210.0	197.4	168.0	273.0	411.5	365.3	289.8	285.6	243.6
85°	126.0	134.4	151.2	147.0	130.2	243.6	390.5	319.1	235.2	197.4	197.4
87.5°	50.4	63.0	75.6	84.0	88.2	180.6	294.0	243.6	180.6	151.2	151.2
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)