

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: P677001

Luminaire Tested: **CCW-SA-2B-740-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677001  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2B-740-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

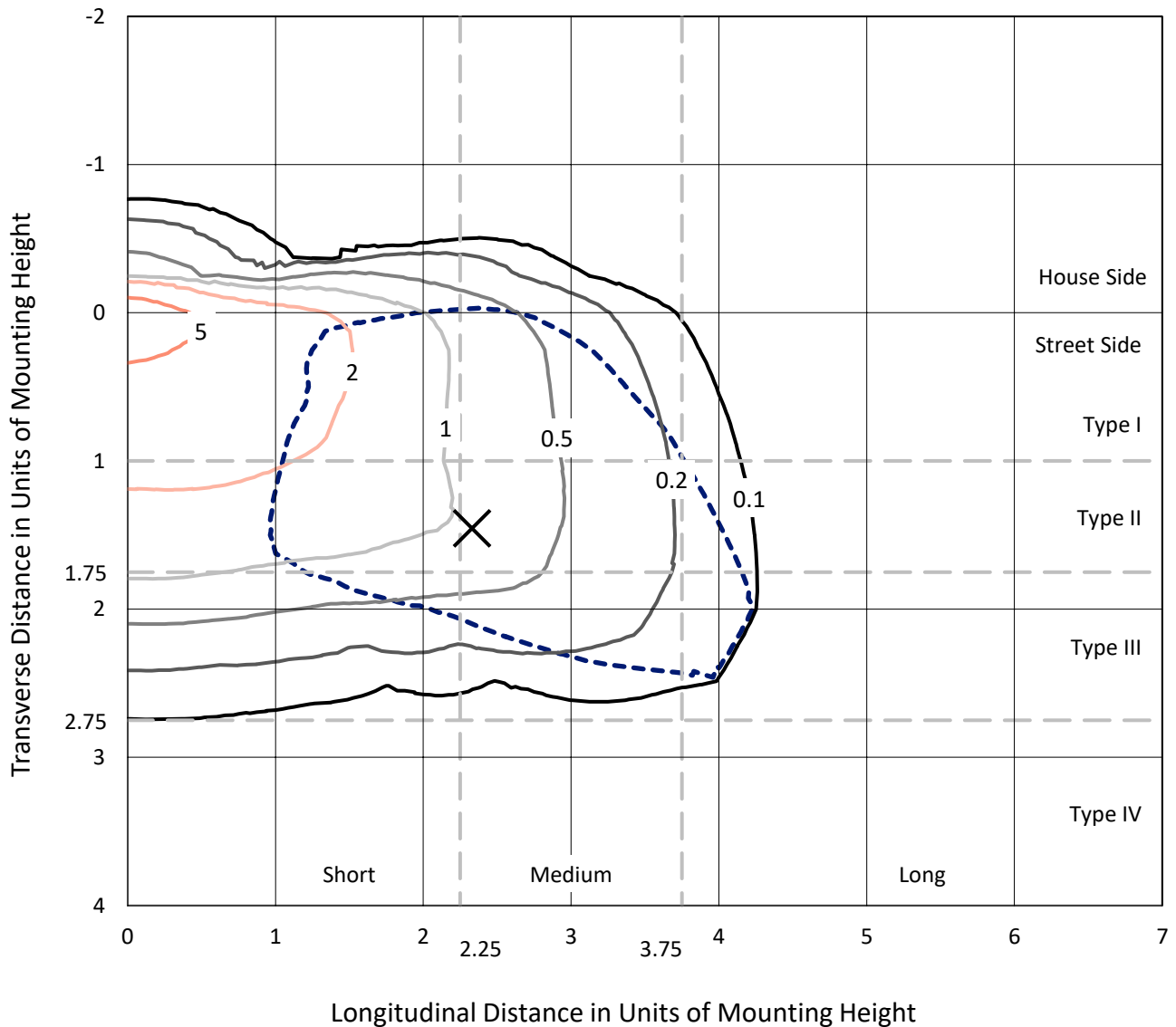
Lumens per Lamp: N/A  
Luminaire Lumens: 5706.9 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

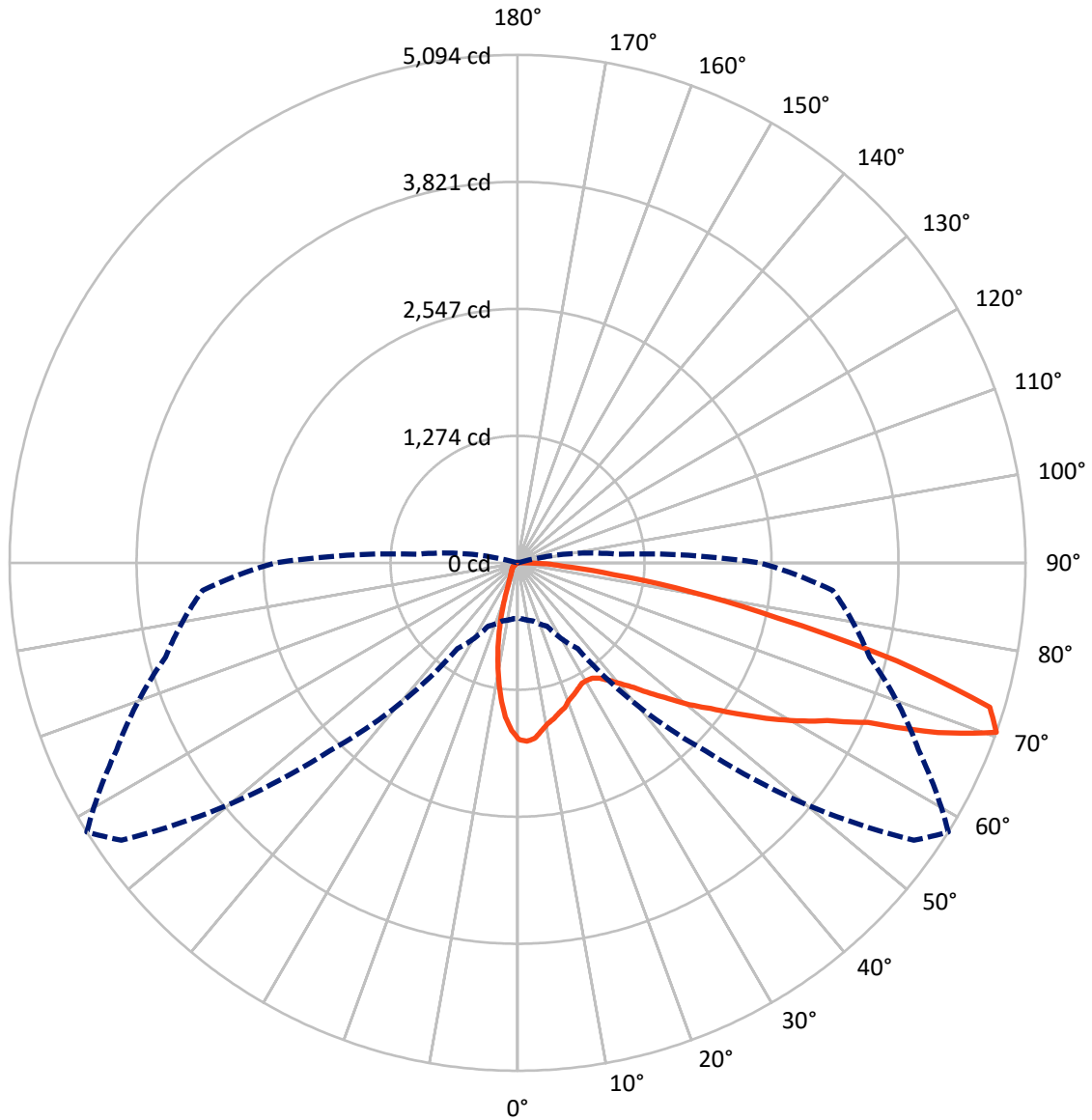
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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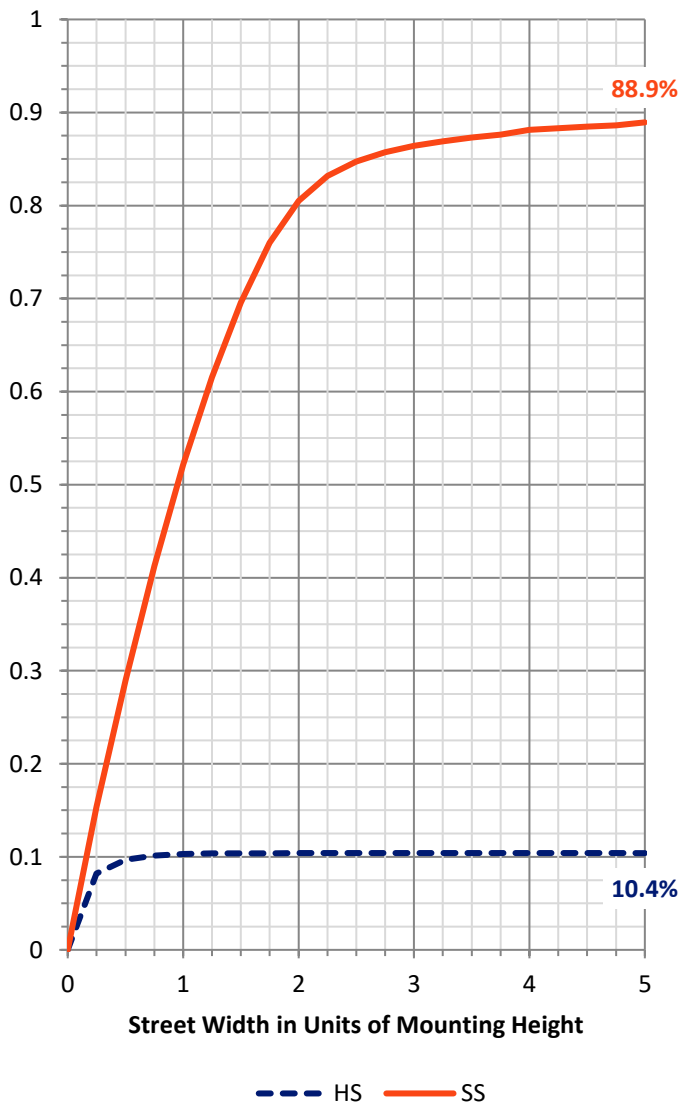
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	597.6	0.0	597.6
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	5109.3	0.0	5109.3
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	5706.9	0.0	5706.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.6	2.5
10°-20°	300.9	5.3
20°-30°	402.9	7.1
30°-40°	544.7	9.5
40°-50°	781.8	13.7
50°-60°	1152.1	20.2
60°-70°	1405.2	24.6
70°-80°	858.1	15.0
80°-90°	116.6	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°	5706.9	100.0
0°-180°	5706.9	100.0

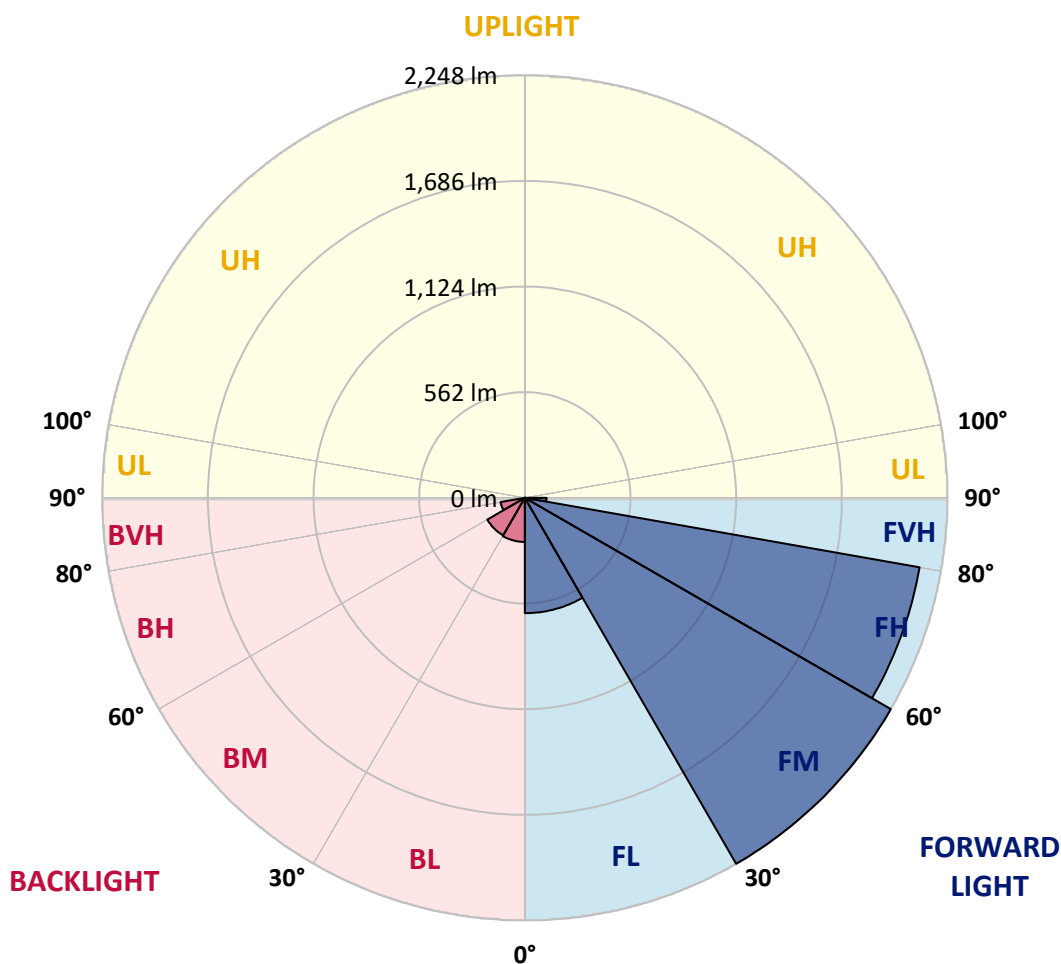


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.6	10.8			
FM (30°-60°)	2247.9	39.4			
FH (60°-80°)	2132.4	37.4			G2/5000
FVH (80°-90°)	115.4	2.0			G2/225
BL (0°-30°)	234.9	4.1	B1/500		
BM (30°-60°)	230.6	4.0	B1/1000		
BH (60°-80°)	131.0	2.3	B1/500		G1/500
BVH (80°-90°)	1.1	0.0			G0/10
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°	58°	65°	75°	85°
0°	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6
2.5°	1803.7	1810.4	1794.3	1813.1	1795.7	1803.7	1794.3	1791.7	1793.0	1794.3	1783.6
5°	1719.4	1735.5	1742.2	1731.5	1756.9	1752.9	1768.9	1770.3	1763.6	1756.9	1758.2
7.5°	1608.4	1624.4	1631.1	1637.8	1663.2	1696.7	1718.1	1704.7	1715.4	1739.5	1703.4
10°	1528.1	1524.1	1522.7	1536.1	1584.3	1612.4	1648.5	1644.5	1671.2	1694.0	1664.6
12.5°	1429.1	1421.0	1445.1	1455.8	1498.6	1548.1	1576.2	1605.7	1632.4	1656.5	1623.1
15°	1355.5	1362.2	1371.5	1394.3	1425.0	1490.6	1532.1	1560.2	1608.4	1620.4	1607.0
17.5°	1296.6	1301.9	1315.3	1327.4	1366.2	1429.1	1494.6	1528.1	1578.9	1611.0	1569.6
20°	1297.9	1281.9	1281.9	1293.9	1315.3	1390.2	1459.8	1470.5	1540.1	1595.0	1566.9
22.5°	1299.3	1293.9	1281.9	1280.5	1289.9	1343.4	1414.3	1438.4	1513.4	1577.6	1544.1
25°	1318.0	1297.9	1299.3	1280.5	1284.5	1311.3	1367.5	1403.6	1489.3	1586.9	1532.1
27.5°	1334.1	1343.4	1324.7	1316.7	1293.9	1292.6	1339.4	1370.2	1477.2	1608.4	1540.1
30°	1370.2	1376.9	1376.9	1371.5	1350.1	1319.3	1330.0	1368.8	1453.1	1604.3	1526.7
32.5°	1430.4	1418.3	1434.4	1426.4	1398.3	1350.1	1359.5	1379.5	1467.9	1655.2	1548.1
35°	1450.5	1459.8	1481.2	1463.8	1454.5	1426.4	1407.6	1422.4	1489.3	1706.0	1580.3
37.5°	1512.0	1498.6	1513.4	1552.2	1561.5	1510.7	1474.5	1496.0	1569.6	1766.2	1609.7
40°	1517.4	1528.1	1554.8	1631.1	1640.5	1619.1	1589.6	1595.0	1649.8	1843.9	1683.3
42.5°	1544.1	1556.2	1611.0	1675.3	1726.1	1730.1	1708.7	1708.7	1755.5	1968.3	1764.9
45°	1596.3	1576.2	1647.2	1755.5	1829.1	1843.9	1872.0	1865.3	1902.7	2099.4	1917.4
47.5°	1616.4	1623.1	1700.7	1831.8	1916.1	1984.4	2031.2	2032.5	2051.3	2266.7	2115.5
50°	1681.9	1680.6	1774.3	1896.0	2020.5	2144.9	2235.9	2235.9	2234.6	2429.9	2285.4
52.5°	1768.9	1766.2	1838.5	1983.0	2144.9	2301.5	2421.9	2425.9	2456.7	2630.6	2480.8
55°	1910.8	1898.7	1968.3	2075.3	2269.4	2459.4	2668.1	2669.4	2645.4	2773.8	2621.3
57.5°	2029.8	2028.5	2086.0	2189.1	2408.5	2662.7	2904.9	2941.1	2864.8	2921.0	2733.7
60°	1999.1	2016.5	2135.6	2288.1	2555.7	2917.0	3160.5	3216.7	3094.9	3021.4	2818.0
62.5°	1807.7	1847.9	1977.7	2221.2	2680.1	3286.3	3512.4	3487.0	3215.4	3107.0	2921.0
65°	1300.6	1340.7	1501.3	1866.6	2535.6	3547.2	3975.4	3860.3	3429.5	3234.1	3058.8
67.5°	765.4	781.4	881.8	1190.9	1896.0	3405.4	4537.4	4546.7	3851.0	3429.5	3297.0
70°	552.6	564.7	603.5	702.5	1050.4	2669.4	4850.5	5094.0	4435.7	3654.3	3171.2
72.5°	424.2	424.2	489.7	584.7	669.0	1599.0	4463.8	4952.2	4562.8	3438.8	2555.7
75°	305.1	313.1	384.0	503.1	616.8	802.8	3289.0	3929.9	3867.0	2787.2	1785.0
77.5°	175.3	179.3	270.3	421.5	579.4	551.3	2032.5	2664.1	2739.0	1744.8	773.4
80°	89.7	92.3	151.2	333.2	524.5	480.4	1212.3	1754.2	1487.9	507.1	179.3
82.5°	44.2	44.2	68.2	212.8	445.6	425.5	713.2	968.8	527.2	116.4	74.9
85°	14.7	16.1	30.8	120.4	322.5	256.9	436.2	460.3	176.6	44.2	41.5
87.5°	4.0	5.4	8.0	44.2	140.5	168.6	259.6	294.4	72.3	17.4	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°	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6
2.5°	1743.5	1734.1	1723.4	1696.7	1675.3	1647.2	1628.4	1613.7	1585.6	1591.0	1578.9
5°	1726.1	1708.7	1647.2	1588.3	1534.8	1453.1	1396.9	1360.8	1331.4	1301.9	1323.3
7.5°	1695.3	1653.8	1557.5	1447.8	1334.1	1227.0	1120.0	1055.7	1008.9	966.1	964.7
10°	1643.1	1576.2	1425.0	1281.9	1106.6	966.1	829.6	722.6	653.0	602.1	600.8
12.5°	1584.3	1514.7	1324.7	1091.9	889.8	691.8	528.5	414.8	349.2	309.1	303.7
15°	1546.8	1445.1	1198.9	923.3	673.0	450.9	293.0	222.1	196.7	187.3	187.3
17.5°	1498.6	1382.2	1074.5	748.0	467.0	260.9	190.0	171.3	169.9	167.3	164.6
20°	1478.6	1334.1	963.4	596.8	295.7	184.7	163.2	159.2	159.2	156.6	153.9
22.5°	1425.0	1264.5	845.7	437.5	196.7	161.9	153.9	148.5	145.8	143.2	145.8
25°	1401.0	1215.0	734.6	302.4	160.6	144.5	140.5	135.1	131.1	129.8	129.8
27.5°	1384.9	1165.5	626.2	210.1	141.8	132.5	124.4	120.4	115.1	109.7	109.7
30°	1372.9	1126.7	521.8	155.2	127.1	117.7	111.1	101.7	95.0	89.7	89.7
32.5°	1356.8	1081.2	417.5	132.5	115.1	105.7	93.7	85.6	76.3	72.3	72.3
35°	1362.2	1050.4	327.8	117.7	103.0	91.0	80.3	69.6	60.2	56.2	54.9
37.5°	1372.9	1027.6	248.9	105.7	92.3	78.9	66.9	54.9	49.5	44.2	44.2
40°	1418.3	1020.9	183.3	97.7	84.3	69.6	56.2	45.5	40.1	36.1	34.8
42.5°	1494.6	1030.3	141.8	88.3	76.3	58.9	46.8	37.5	32.1	28.1	26.8
45°	1592.3	1066.4	116.4	83.0	66.9	49.5	37.5	30.8	24.1	21.4	21.4
47.5°	1734.1	1122.6	101.7	76.3	58.9	41.5	32.1	24.1	18.7	16.1	16.1
50°	1894.7	1186.9	89.7	68.2	50.8	34.8	25.4	18.7	13.4	12.0	12.0
52.5°	2055.3	1268.5	83.0	62.9	44.2	28.1	20.1	13.4	9.4	8.0	8.0
55°	2223.9	1340.7	74.9	58.9	36.1	22.7	14.7	8.0	5.4	4.0	4.0
57.5°	2341.6	1368.8	65.6	50.8	28.1	17.4	10.7	5.4	2.7	1.3	1.3
60°	2425.9	1372.9	56.2	41.5	21.4	13.4	6.7	2.7	1.3	0.0	0.0
62.5°	2496.8	1380.9	48.2	32.1	16.1	9.4	4.0	1.3	0.0	0.0	0.0
65°	2637.3	1374.2	38.8	25.4	10.7	5.4	2.7	0.0	0.0	0.0	0.0
67.5°	2748.4	1307.3	30.8	17.4	6.7	2.7	1.3	0.0	0.0	0.0	0.0
70°	2431.3	996.9	24.1	12.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	1909.4	665.0	16.1	6.7	2.7	1.3	0.0	0.0	0.0	0.0	0.0
75°	1252.4	330.5	12.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	487.1	87.0	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	117.7	29.4	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	50.8	10.7	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.8	5.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.1	2.7	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)