

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: P677020

Luminaire Tested: **CCW-SA-1E-760-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677020  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-760-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

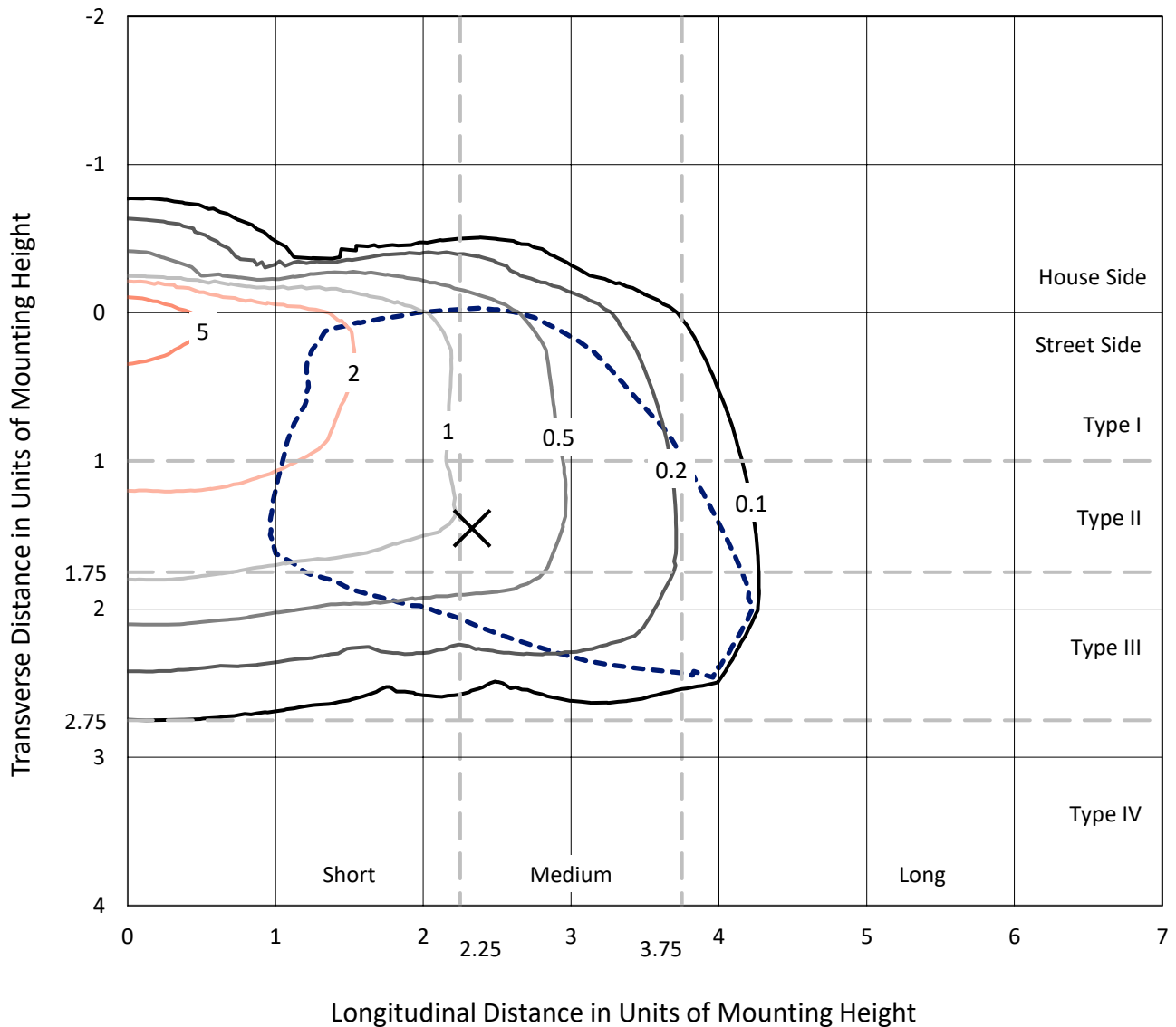
Lumens per Lamp: N/A  
Luminaire Lumens: 5779.1 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

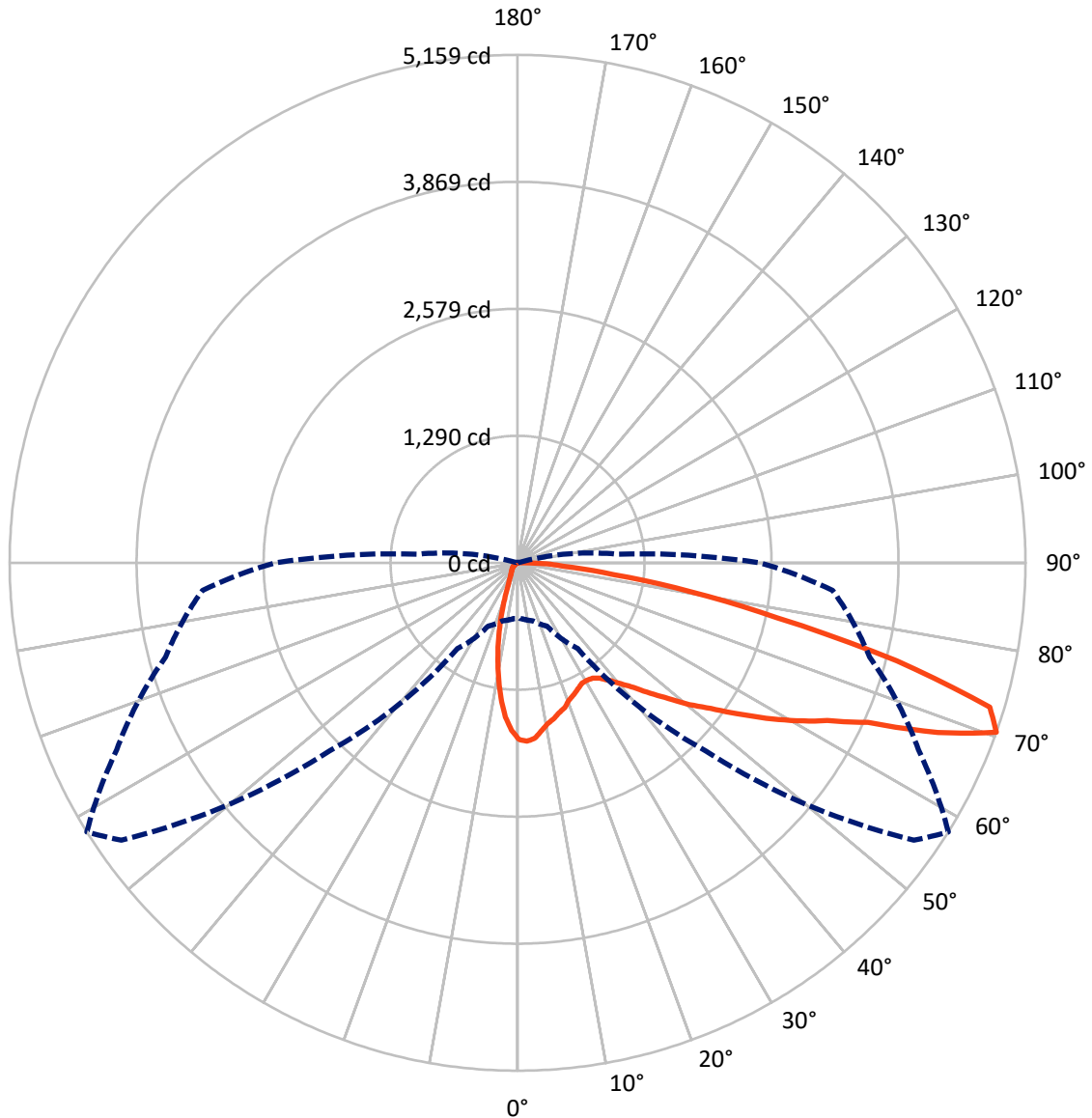
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8 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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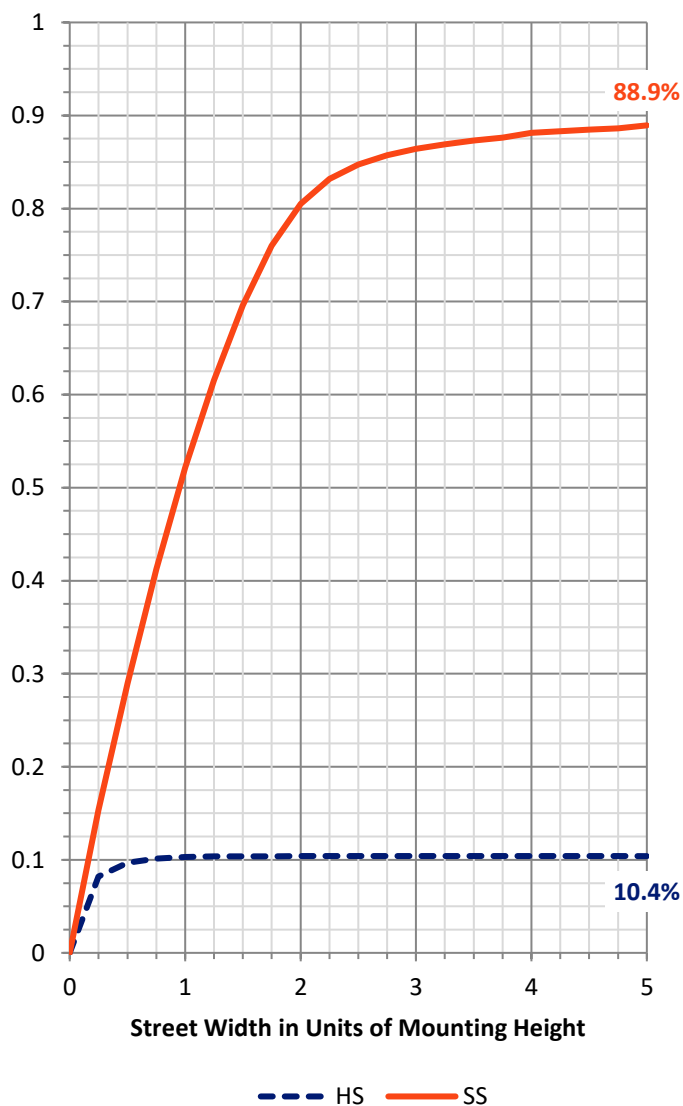
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	605.2	0.0	605.2
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	5174.0	0.0	5174.0
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	5779.1	0.0	5779.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.4	2.5
10°-20°	304.7	5.3
20°-30°	408.0	7.1
30°-40°	551.6	9.5
40°-50°	791.7	13.7
50°-60°	1166.6	20.2
60°-70°	1423.0	24.6
70°-80°	869.0	15.0
80°-90°	118.1	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°	5779.1	100.0
0°-180°	5779.1	100.0

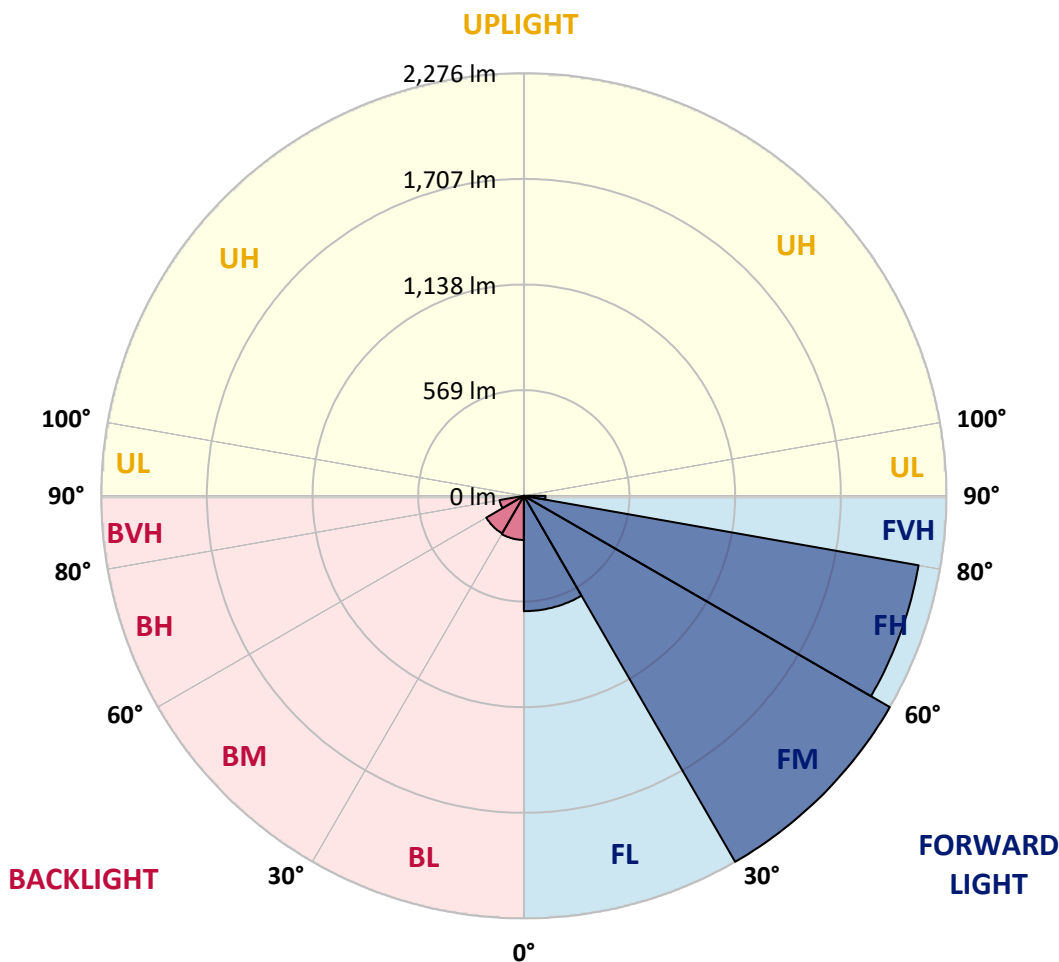


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	621.3	10.8			
FM (30°-60°)	2276.3	39.4			
FH (60°-80°)	2159.4	37.4			G2/5000
FVH (80°-90°)	116.9	2.0			G2/225
BL (0°-30°)	237.8	4.1	B1/500		
BM (30°-60°)	233.6	4.0	B1/1000		
BH (60°-80°)	132.6	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°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1826.5	1833.3	1817.1	1836.0	1818.4	1826.5	1817.1	1814.3	1815.7	1817.1	1806.2
5°	1741.2	1757.4	1764.2	1753.4	1779.1	1775.0	1791.3	1792.7	1785.9	1779.1	1780.5
7.5°	1628.7	1645.0	1651.7	1658.5	1684.3	1718.1	1739.8	1726.3	1737.1	1761.5	1724.9
10°	1547.4	1543.3	1542.0	1555.5	1604.3	1632.8	1669.4	1665.3	1692.4	1715.4	1685.6
12.5°	1447.1	1439.0	1463.4	1474.2	1517.6	1567.7	1596.2	1626.0	1653.1	1677.5	1643.6
15°	1372.6	1379.4	1388.9	1411.9	1443.1	1509.5	1551.5	1579.9	1628.7	1640.9	1627.4
17.5°	1313.0	1318.4	1332.0	1344.2	1383.5	1447.1	1513.5	1547.4	1598.9	1631.4	1589.4
20°	1314.3	1298.1	1298.1	1310.3	1332.0	1407.8	1478.3	1489.1	1559.6	1615.2	1586.7
22.5°	1315.7	1310.3	1298.1	1296.7	1306.2	1360.4	1432.2	1456.6	1532.5	1597.5	1563.7
25°	1334.7	1314.3	1315.7	1296.7	1300.8	1327.9	1384.8	1421.4	1508.1	1607.0	1551.5
27.5°	1350.9	1360.4	1341.4	1333.3	1310.3	1308.9	1356.4	1387.5	1495.9	1628.7	1559.6
30°	1387.5	1394.3	1394.3	1388.9	1367.2	1336.0	1346.9	1386.2	1471.5	1624.6	1546.1
32.5°	1448.5	1436.3	1452.6	1444.4	1416.0	1367.2	1376.7	1397.0	1486.4	1676.1	1567.7
35°	1468.8	1478.3	1500.0	1482.4	1472.9	1444.4	1425.5	1440.4	1508.1	1727.6	1600.3
37.5°	1531.1	1517.6	1532.5	1571.8	1581.3	1529.8	1493.2	1514.9	1589.4	1788.6	1630.1
40°	1536.6	1547.4	1574.5	1651.7	1661.2	1639.5	1609.7	1615.2	1670.7	1867.2	1704.6
42.5°	1563.7	1575.9	1631.4	1696.5	1747.9	1752.0	1730.3	1730.3	1777.8	1993.2	1787.2
45°	1616.5	1596.2	1668.0	1777.8	1852.3	1867.2	1895.6	1888.9	1926.8	2126.0	1941.7
47.5°	1636.8	1643.6	1722.2	1855.0	1940.4	2009.5	2056.9	2058.2	2077.2	2295.4	2142.3
50°	1703.2	1701.9	1796.7	1920.0	2046.0	2172.1	2264.2	2264.2	2262.8	2460.7	2314.3
52.5°	1791.3	1788.6	1861.8	2008.1	2172.1	2330.6	2452.5	2456.6	2487.8	2663.9	2512.2
55°	1934.9	1922.7	1993.2	2101.6	2298.1	2490.5	2701.9	2703.2	2678.8	2808.9	2654.4
57.5°	2055.5	2054.2	2112.4	2216.8	2439.0	2696.4	2941.7	2978.3	2901.1	2958.0	2768.3
60°	2024.4	2042.0	2162.6	2317.0	2588.0	2953.9	3200.5	3257.4	3134.1	3059.6	2853.6
62.5°	1830.6	1871.3	2002.7	2249.3	2714.1	3327.9	3556.9	3531.1	3256.1	3146.3	2958.0
65°	1317.1	1357.7	1520.3	1890.2	2567.7	3592.1	4025.7	3909.2	3472.9	3275.0	3097.5
67.5°	775.1	791.3	892.9	1205.9	1920.0	3448.5	4594.8	4604.3	3899.7	3472.9	3338.7
70°	559.6	571.8	611.1	711.4	1063.7	2703.2	4911.9	5158.5	4491.8	3700.5	3211.3
72.5°	429.5	429.5	495.9	592.1	677.5	1619.2	4520.3	5014.8	4620.5	3482.3	2588.0
75°	308.9	317.1	388.9	509.5	624.7	813.0	3330.6	3979.6	3915.9	2822.5	1807.6
77.5°	177.5	181.6	273.7	426.8	586.7	558.3	2058.2	2697.8	2773.7	1766.9	783.2
80°	90.8	93.5	153.1	337.4	531.2	486.4	1227.6	1776.4	1506.8	513.5	181.6
82.5°	44.7	44.7	69.1	215.4	451.2	430.9	722.2	981.0	533.9	117.9	75.9
85°	14.9	16.3	31.2	121.9	326.6	260.2	441.7	466.1	178.9	44.7	42.0
87.5°	4.1	5.4	8.1	44.7	142.3	170.7	262.9	298.1	73.2	17.6	20.3
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°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1765.6	1756.1	1745.2	1718.1	1696.5	1668.0	1649.0	1634.1	1605.7	1611.1	1598.9
5°	1747.9	1730.3	1668.0	1608.4	1554.2	1471.5	1414.6	1378.0	1348.2	1318.4	1340.1
7.5°	1716.8	1674.8	1577.2	1466.1	1350.9	1242.5	1134.1	1069.1	1021.7	978.3	977.0
10°	1663.9	1596.2	1443.1	1298.1	1120.6	978.3	840.1	731.7	661.2	609.7	608.4
12.5°	1604.3	1533.9	1341.4	1105.7	901.1	700.5	535.2	420.0	353.7	313.0	307.6
15°	1566.4	1463.4	1214.1	934.9	681.6	456.6	296.7	224.9	199.2	189.7	189.7
17.5°	1517.6	1399.7	1088.1	757.4	472.9	264.2	192.4	173.4	172.1	169.4	166.7
20°	1497.3	1350.9	975.6	604.3	299.5	187.0	165.3	161.2	161.2	158.5	155.8
22.5°	1443.1	1280.5	856.4	443.1	199.2	164.0	155.8	150.4	147.7	145.0	147.7
25°	1418.7	1230.3	743.9	306.2	162.6	146.3	142.3	136.9	132.8	131.4	131.4
27.5°	1402.4	1180.2	634.1	212.7	143.6	134.1	126.0	121.9	116.5	111.1	111.1
30°	1390.2	1140.9	528.4	157.2	128.7	119.2	112.5	103.0	96.2	90.8	90.8
32.5°	1374.0	1094.8	422.8	134.1	116.5	107.0	94.8	86.7	77.2	73.2	73.2
35°	1379.4	1063.7	332.0	119.2	104.3	92.1	81.3	70.5	61.0	56.9	55.6
37.5°	1390.2	1040.6	252.0	107.0	93.5	79.9	67.7	55.6	50.1	44.7	44.7
40°	1436.3	1033.9	185.6	98.9	85.4	70.5	56.9	46.1	40.6	36.6	35.2
42.5°	1513.5	1043.3	143.6	89.4	77.2	59.6	47.4	37.9	32.5	28.5	27.1
45°	1612.4	1079.9	117.9	84.0	67.7	50.1	37.9	31.2	24.4	21.7	21.7
47.5°	1756.1	1136.8	103.0	77.2	59.6	42.0	32.5	24.4	19.0	16.3	16.3
50°	1918.7	1201.9	90.8	69.1	51.5	35.2	25.7	19.0	13.5	12.2	12.2
52.5°	2081.3	1284.5	84.0	63.7	44.7	28.5	20.3	13.5	9.5	8.1	8.1
55°	2252.0	1357.7	75.9	59.6	36.6	23.0	14.9	8.1	5.4	4.1	4.1
57.5°	2371.2	1386.2	66.4	51.5	28.5	17.6	10.8	5.4	2.7	1.4	1.4
60°	2456.6	1390.2	56.9	42.0	21.7	13.5	6.8	2.7	1.4	0.0	0.0
62.5°	2528.4	1398.4	48.8	32.5	16.3	9.5	4.1	1.4	0.0	0.0	0.0
65°	2670.7	1391.6	39.3	25.7	10.8	5.4	2.7	0.0	0.0	0.0	0.0
67.5°	2783.2	1323.8	31.2	17.6	6.8	2.7	1.4	0.0	0.0	0.0	0.0
70°	2462.0	1009.5	24.4	12.2	4.1	1.4	0.0	0.0	0.0	0.0	0.0
72.5°	1933.6	673.4	16.3	6.8	2.7	1.4	0.0	0.0	0.0	0.0	0.0
75°	1268.3	334.7	12.2	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	493.2	88.1	8.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	119.2	29.8	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	51.5	10.8	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.2	5.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.3	2.7	1.4	1.4	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)