

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: P675558

Luminaire Tested: **CCW-SA-1E-740-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675558  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-740-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
SL3 distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

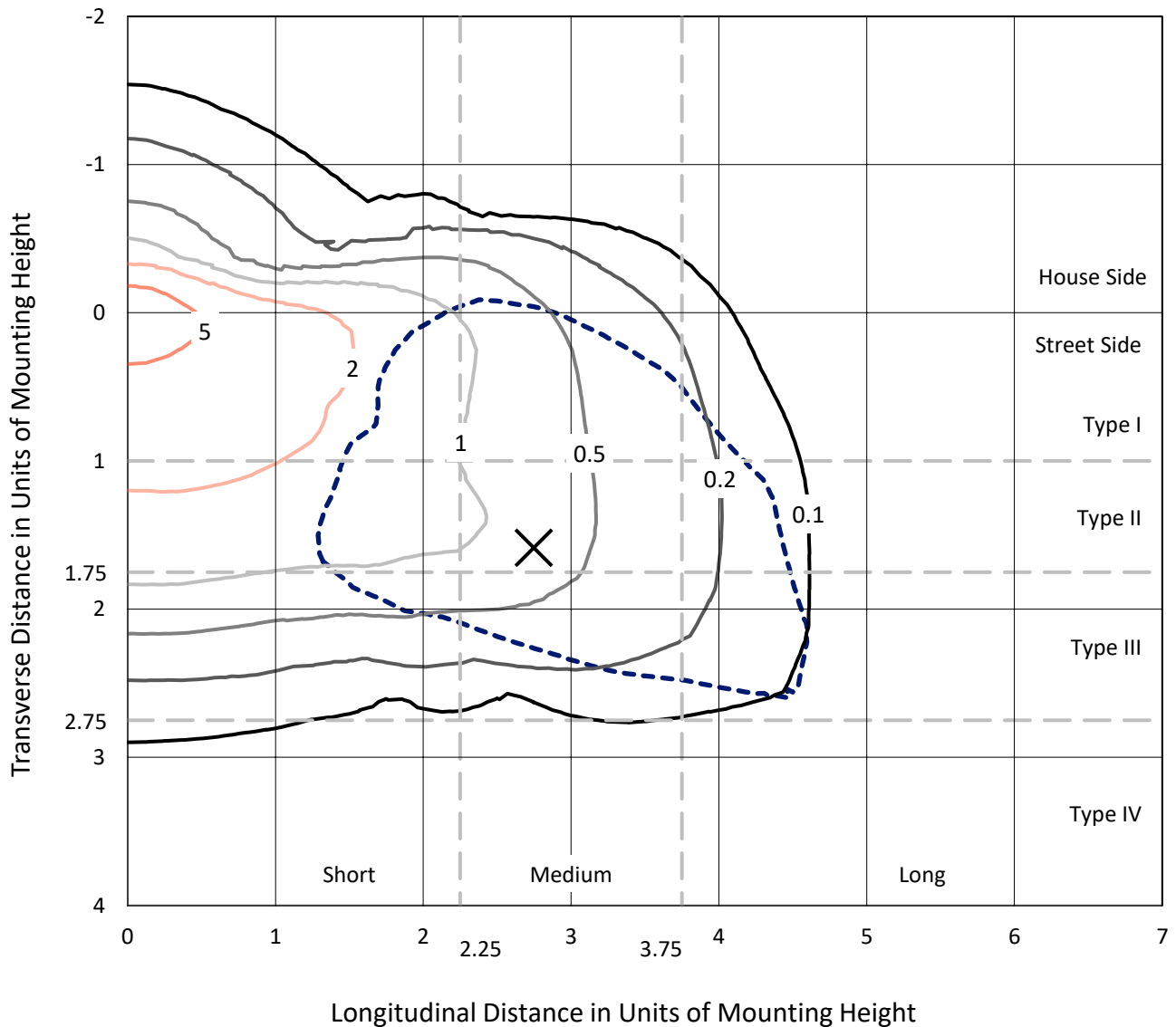
Lumens per Lamp: N/A  
Luminaire Lumens: 6760 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (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

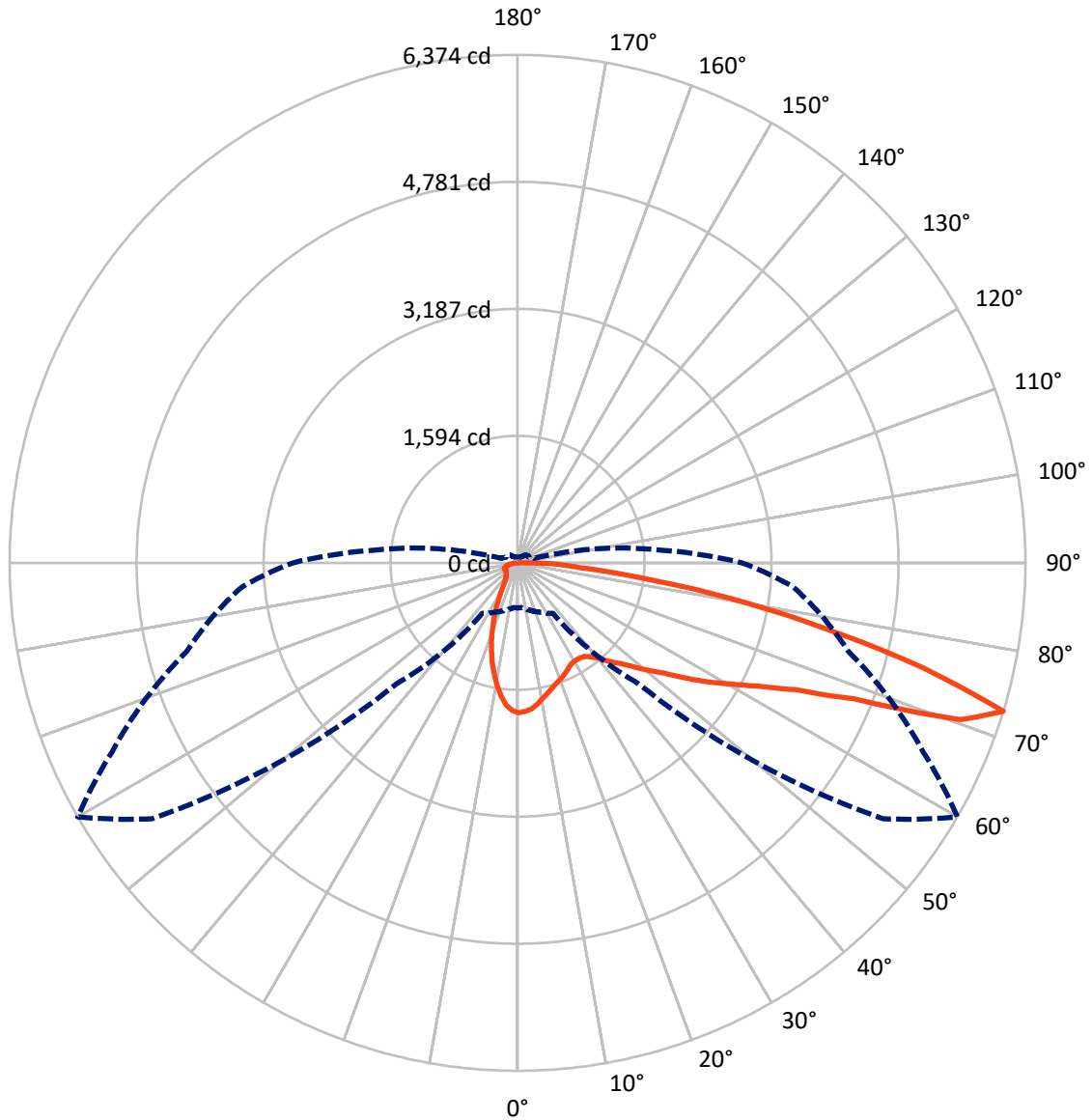
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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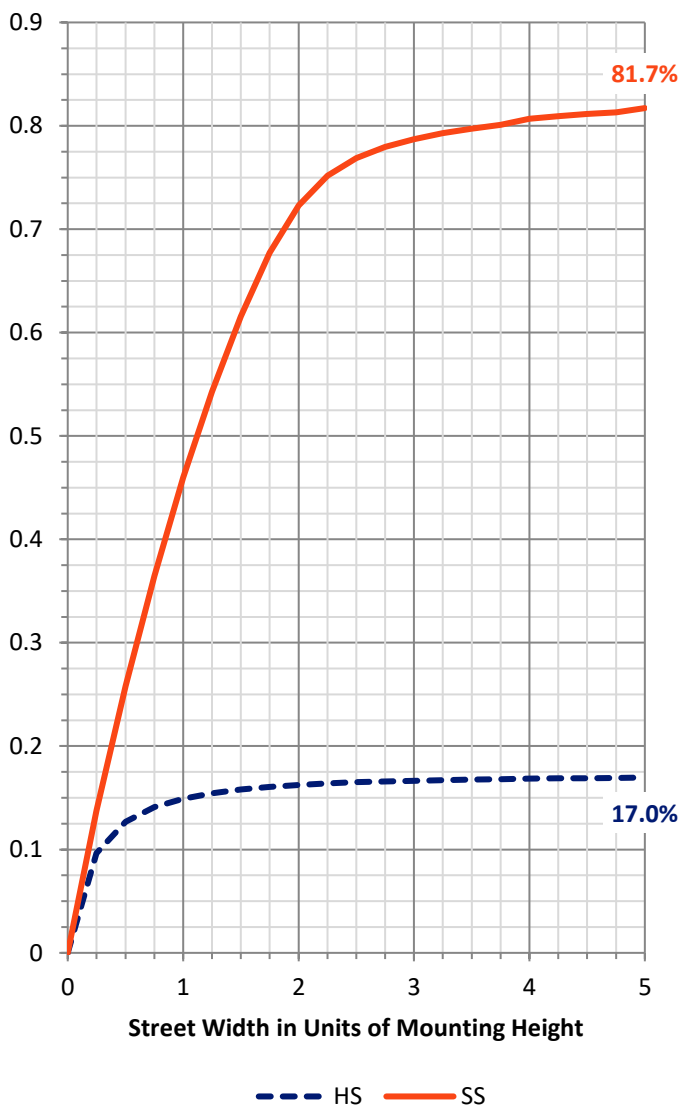
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1161.3	0.0	1161.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	5598.8	0.0	5598.8
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	6760.0	0.0	6760.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.2	2.4
10°-20°	370.0	5.5
20°-30°	473.5	7.0
30°-40°	605.7	9.0
40°-50°	830.8	12.3
50°-60°	1201.6	17.8
60°-70°	1648.4	24.4
70°-80°	1237.0	18.3
80°-90°	229.9	3.4
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°	6760.0	100.0
0°-180°	6760.0	100.0

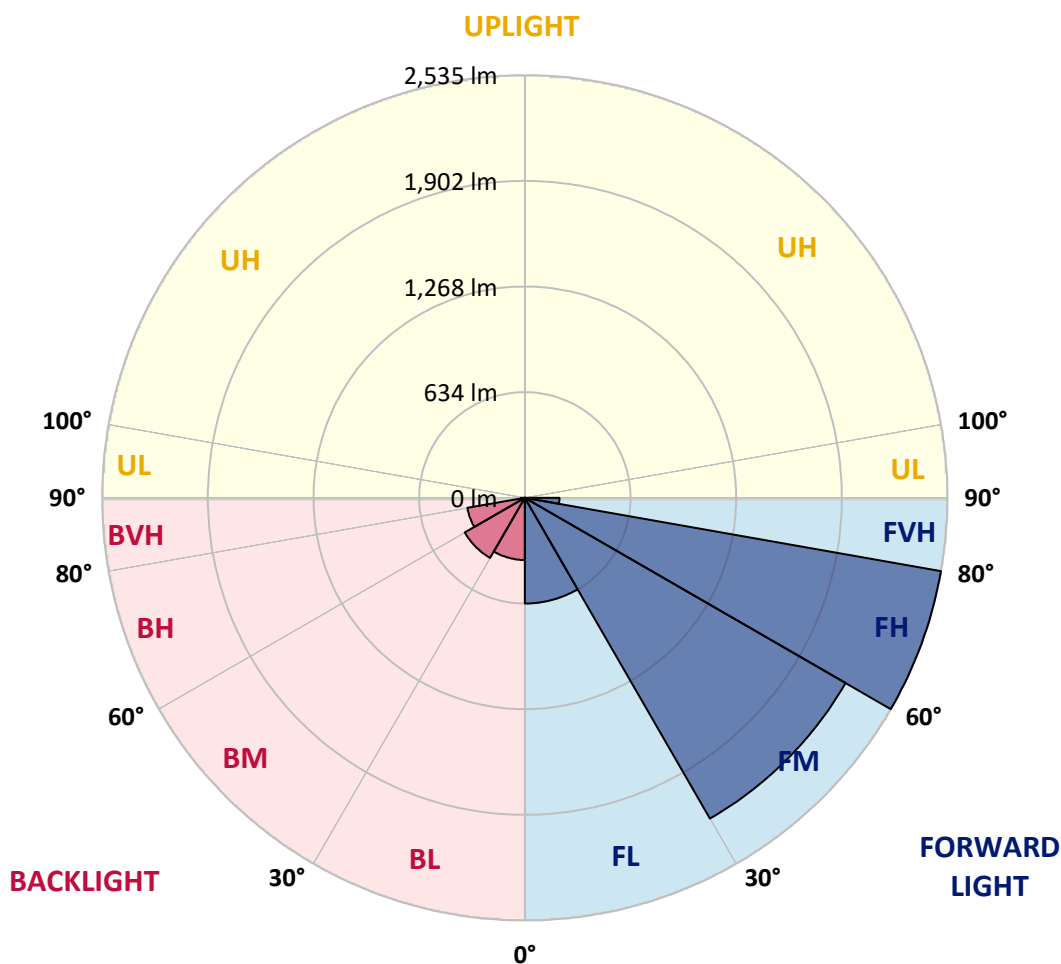


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.9	9.4			
FM (30°-60°)	2222.0	32.9			
FH (60°-80°)	2535.4	37.5			G2/5000
FVH (80°-90°)	207.5	3.1			G2/225
BL (0°-30°)	372.8	5.5	B1/500		
BM (30°-60°)	416.2	6.2	B1/1000		
BH (60°-80°)	349.9	5.2	B1/500		G1/500
BVH (80°-90°)	22.4	0.3			G1/100
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°	60°	65°	75°	85°
0°	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3
2.5°	1842.1	1859.7	1864.7	1864.7	1879.8	1862.2	1887.4	1867.2	1872.3	1879.8	1874.8
5°	1754.0	1784.2	1766.6	1799.3	1786.7	1809.4	1839.6	1839.6	1832.0	1847.1	1834.5
7.5°	1668.4	1658.4	1688.6	1688.6	1708.7	1738.9	1764.1	1789.2	1791.7	1796.8	1794.3
10°	1552.7	1565.3	1580.4	1600.5	1625.7	1655.9	1708.7	1728.8	1733.9	1764.1	1756.5
12.5°	1457.0	1474.7	1484.7	1525.0	1547.6	1590.4	1650.8	1678.5	1681.0	1723.8	1723.8
15°	1386.6	1396.7	1419.3	1434.4	1484.7	1545.1	1603.0	1628.2	1655.9	1701.1	1688.6
17.5°	1338.8	1351.4	1361.4	1381.6	1429.4	1479.7	1570.3	1585.4	1618.1	1683.5	1668.4
20°	1311.1	1313.6	1328.7	1341.3	1384.1	1431.9	1512.4	1552.7	1595.5	1653.3	1638.2
22.5°	1316.1	1306.1	1303.5	1321.2	1328.7	1374.0	1472.1	1514.9	1575.3	1643.3	1618.1
25°	1326.2	1328.7	1323.7	1308.6	1311.1	1351.4	1416.8	1472.1	1540.1	1640.8	1590.4
27.5°	1351.4	1363.9	1343.8	1328.7	1313.6	1328.7	1396.7	1436.9	1512.4	1653.3	1587.9
30°	1376.5	1389.1	1384.1	1361.4	1331.2	1326.2	1374.0	1424.3	1497.3	1663.4	1587.9
32.5°	1414.3	1431.9	1414.3	1421.8	1386.6	1363.9	1381.6	1426.9	1512.4	1698.6	1590.4
35°	1457.0	1472.1	1477.2	1459.6	1452.0	1409.2	1419.3	1442.0	1527.5	1738.9	1615.6
37.5°	1504.9	1522.5	1537.6	1540.1	1514.9	1489.8	1484.7	1497.3	1565.3	1809.4	1643.3
40°	1537.6	1547.6	1577.8	1603.0	1610.6	1575.3	1572.8	1572.8	1633.2	1872.3	1693.6
42.5°	1592.9	1587.9	1630.7	1676.0	1688.6	1668.4	1673.5	1693.6	1728.8	1962.9	1774.1
45°	1620.6	1615.6	1665.9	1741.4	1799.3	1789.2	1794.3	1801.8	1834.5	2106.3	1910.0
47.5°	1658.4	1663.4	1736.4	1821.9	1882.3	1917.6	1945.2	1942.7	1967.9	2252.3	2061.0
50°	1696.1	1706.2	1794.3	1884.9	1990.5	2050.9	2091.2	2118.9	2144.1	2405.8	2234.6
52.5°	1769.1	1779.2	1877.3	1975.4	2111.3	2199.4	2300.1	2297.6	2300.1	2559.3	2408.3
55°	1874.8	1877.3	1935.2	2048.4	2232.1	2393.2	2531.6	2546.7	2503.9	2750.5	2607.1
57.5°	1995.6	2005.6	2056.0	2141.5	2327.8	2579.4	2790.8	2821.0	2705.2	2906.6	2788.3
60°	2108.8	2116.4	2194.4	2292.5	2493.8	2813.4	3052.5	3087.7	2961.9	3097.8	2977.0
62.5°	1980.5	2018.2	2156.6	2380.6	2785.8	3168.3	3384.7	3407.3	3211.0	3291.6	3178.3
65°	1585.4	1610.6	1809.4	2171.7	2805.9	3812.5	3898.0	3837.7	3553.3	3540.7	3482.8
67.5°	883.3	903.4	1039.3	1419.3	2363.0	4054.1	5002.8	4559.9	4084.3	3915.7	3895.5
70°	697.1	702.1	719.7	797.7	1311.1	3573.4	5873.5	5893.6	4952.5	4431.5	3983.6
72.5°	566.2	563.7	616.5	684.5	775.1	2144.1	5599.2	6374.3	5616.8	4295.7	3470.2
75°	432.8	440.4	508.3	606.5	709.7	1009.1	4177.4	5244.4	5262.0	4003.7	2926.7
77.5°	329.7	332.2	407.7	536.0	694.6	712.2	2725.4	3908.1	3925.7	3100.3	1613.1
80°	246.6	246.6	309.5	453.0	676.9	656.8	1678.5	2710.3	2453.6	1089.6	352.3
82.5°	140.9	151.0	206.4	344.8	614.0	631.6	946.2	1552.7	1036.8	296.9	163.6
85°	75.5	78.0	125.8	231.5	505.8	604.0	722.2	772.6	412.7	158.5	75.5
87.5°	27.7	27.7	57.9	118.3	319.6	447.9	573.8	493.2	236.6	73.0	37.7
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°	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3	1882.3
2.5°	1879.8	1869.8	1862.2	1869.8	1842.1	1829.5	1844.6	1837.0	1821.9	1814.4	1809.4
5°	1842.1	1829.5	1816.9	1809.4	1779.2	1749.0	1733.9	1703.7	1678.5	1686.1	1671.0
7.5°	1801.8	1789.2	1751.5	1716.2	1655.9	1595.5	1567.8	1525.0	1509.9	1497.3	1489.8
10°	1751.5	1728.8	1671.0	1600.5	1512.4	1444.5	1374.0	1323.7	1270.8	1248.2	1255.7
12.5°	1688.6	1676.0	1585.4	1477.2	1353.9	1240.6	1157.6	1077.1	1006.6	968.9	958.8
15°	1660.9	1623.1	1492.3	1348.8	1192.8	1051.9	928.6	787.7	704.6	664.4	664.4
17.5°	1630.7	1560.2	1404.2	1207.9	1029.2	848.1	674.4	546.1	480.7	458.0	458.0
20°	1582.9	1504.9	1301.0	1074.5	858.1	639.2	483.2	412.7	392.6	377.5	380.0
22.5°	1547.6	1452.0	1205.4	943.7	679.5	475.6	380.0	357.3	349.8	344.8	347.3
25°	1507.4	1389.1	1104.7	802.8	533.5	375.0	329.7	319.6	324.6	327.1	327.1
27.5°	1474.7	1336.3	1001.6	651.8	402.6	317.1	296.9	294.4	304.5	309.5	312.0
30°	1452.0	1288.4	900.9	513.4	322.1	281.8	271.8	271.8	284.4	289.4	291.9
32.5°	1429.4	1248.2	792.7	392.6	274.3	251.6	249.1	251.6	259.2	259.2	261.7
35°	1436.9	1210.4	689.5	317.1	246.6	231.5	231.5	231.5	234.0	236.6	236.6
37.5°	1452.0	1200.4	578.8	266.7	226.5	216.4	216.4	213.9	216.4	213.9	216.4
40°	1467.1	1185.3	478.1	236.6	213.9	206.4	203.8	198.8	196.3	196.3	198.8
42.5°	1530.0	1205.4	392.6	216.4	203.8	198.8	191.3	186.2	183.7	183.7	183.7
45°	1610.6	1243.1	324.6	206.4	196.3	183.7	178.7	176.2	171.1	173.6	176.2
47.5°	1731.3	1301.0	284.4	198.8	188.7	173.6	168.6	163.6	163.6	168.6	168.6
50°	1889.9	1396.7	259.2	191.3	181.2	166.1	158.5	156.0	156.0	163.6	163.6
52.5°	2061.0	1507.4	249.1	188.7	173.6	158.5	151.0	148.5	148.5	158.5	158.5
55°	2232.1	1643.3	256.7	188.7	168.6	151.0	143.4	138.4	140.9	148.5	148.5
57.5°	2420.9	1789.2	294.4	188.7	163.6	148.5	138.4	130.9	133.4	135.9	135.9
60°	2627.2	1980.5	359.9	188.7	161.1	143.4	130.9	120.8	120.8	123.3	123.3
62.5°	2836.1	2169.2	453.0	191.3	163.6	140.9	120.8	110.7	108.2	110.7	110.7
65°	3110.4	2471.2	546.1	191.3	171.1	135.9	113.2	100.7	98.1	98.1	100.7
67.5°	3495.4	2687.6	422.8	183.7	176.2	135.9	105.7	93.1	88.1	88.1	88.1
70°	3291.6	2267.4	269.3	171.1	168.6	140.9	100.7	85.6	80.5	78.0	78.0
72.5°	2818.5	1814.4	216.4	161.1	156.0	138.4	95.6	80.5	73.0	70.5	70.5
75°	2259.8	1431.9	188.7	146.0	135.9	115.8	88.1	73.0	67.9	62.9	62.9
77.5°	1107.3	598.9	143.4	128.3	115.8	88.1	78.0	67.9	60.4	55.4	55.4
80°	276.8	208.9	105.7	100.7	85.6	67.9	62.9	57.9	52.8	47.8	47.8
82.5°	148.5	123.3	75.5	67.9	57.9	47.8	47.8	45.3	42.8	37.7	35.2
85°	75.5	73.0	50.3	45.3	37.7	30.2	32.7	32.7	30.2	22.6	22.6
87.5°	40.3	40.3	25.2	20.1	17.6	15.1	15.1	15.1	12.6	10.1	10.1
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)