

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: P677057

Luminaire Tested: **CCW-SA-2C-835-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677057  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-835-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

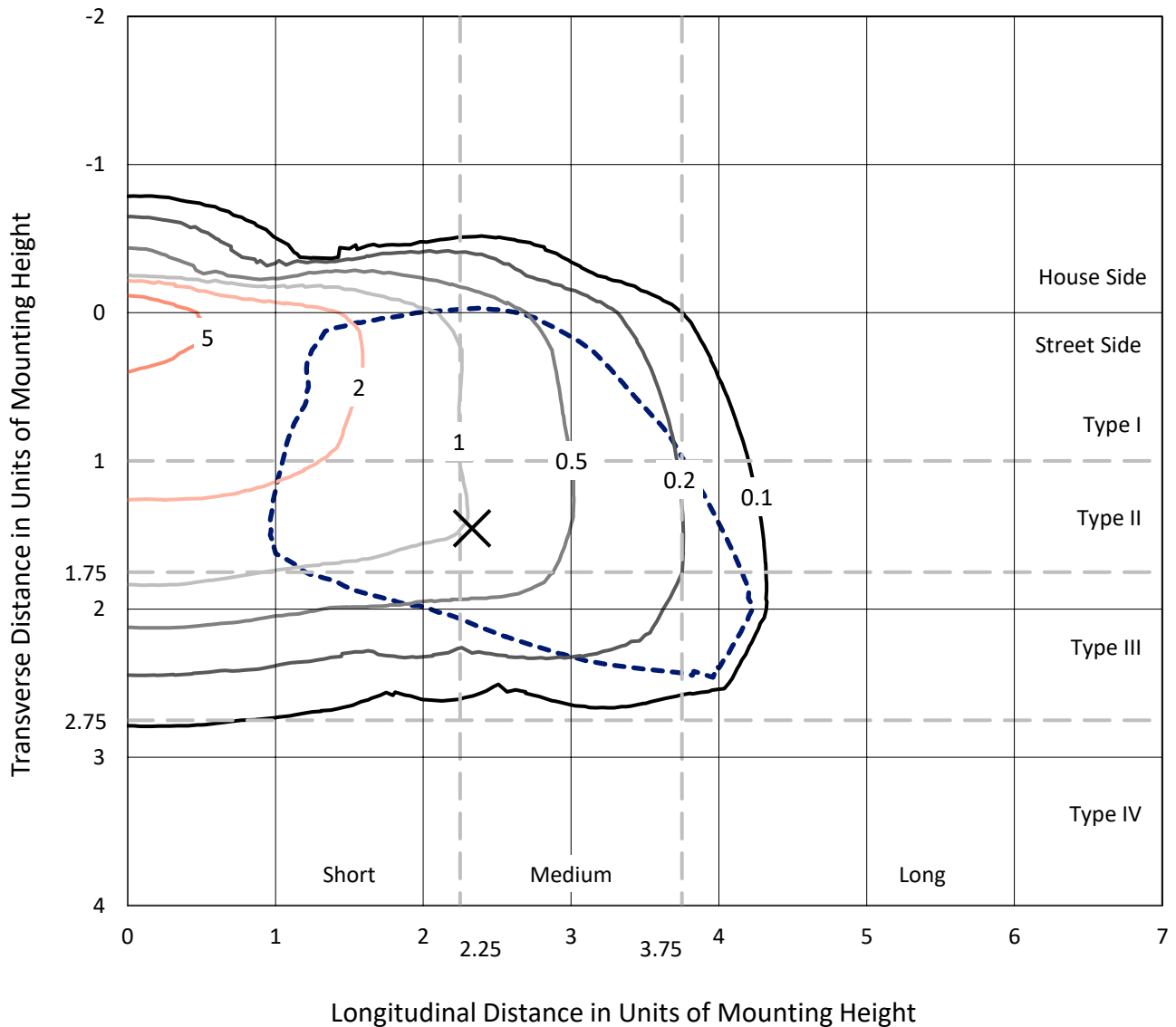
Lumens per Lamp: N/A  
Luminaire Lumens: 6156.4 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
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

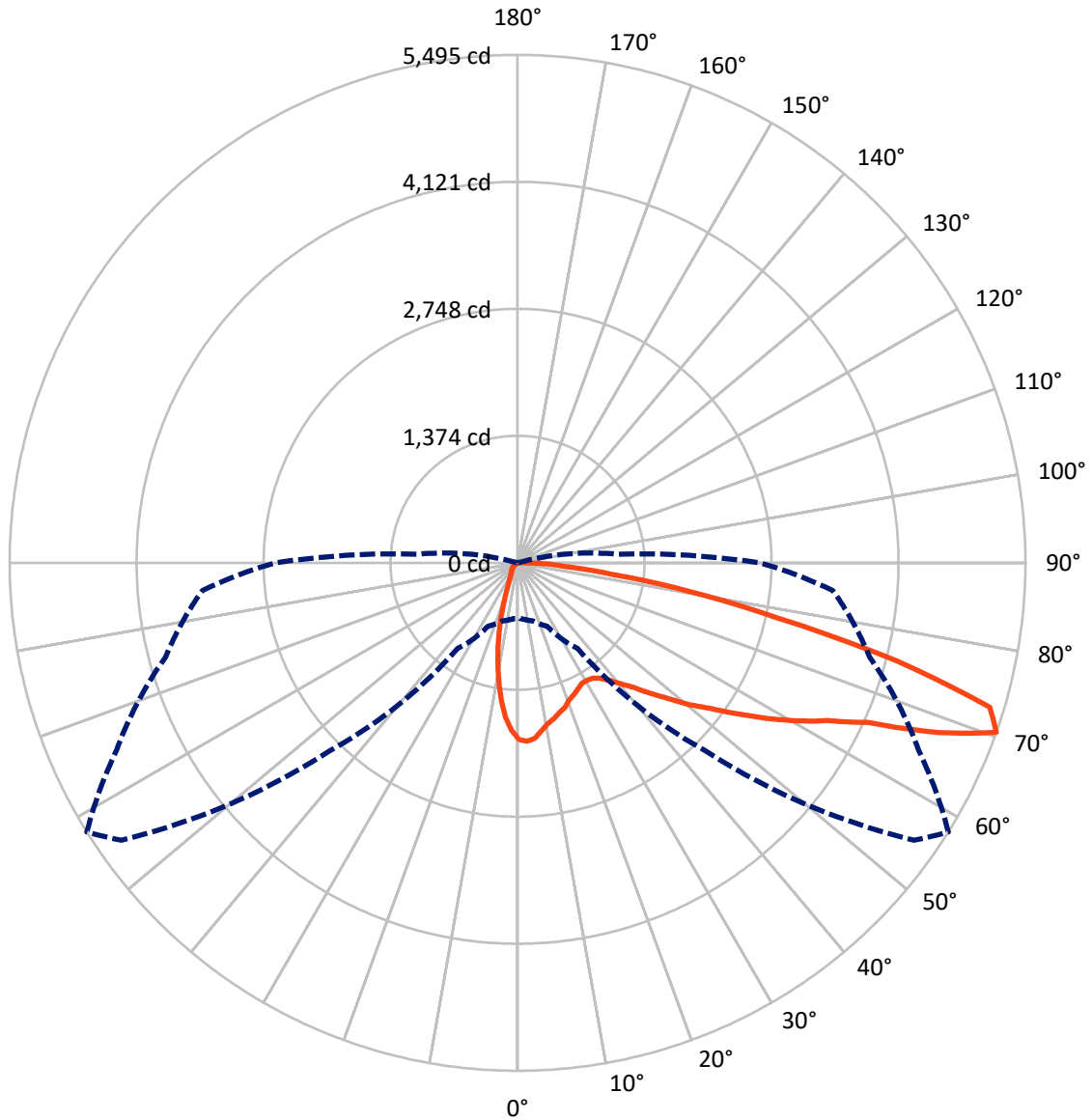
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.5 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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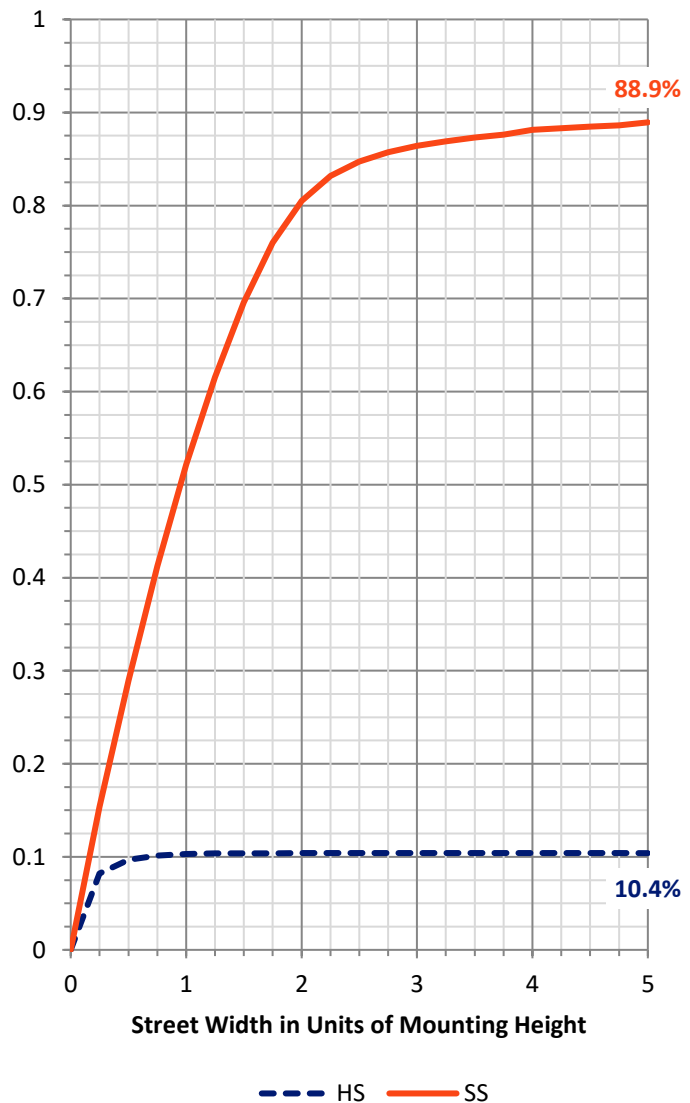
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	644.7	0.0	644.7
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	5511.8	0.0	5511.8
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	6156.4	0.0	6156.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.9	2.5
10°-20°	324.6	5.3
20°-30°	434.7	7.1
30°-40°	587.6	9.5
40°-50°	843.3	13.7
50°-60°	1242.8	20.2
60°-70°	1515.9	24.6
70°-80°	925.7	15.0
80°-90°	125.8	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°	6156.4	100.0
0°-180°	6156.4	100.0

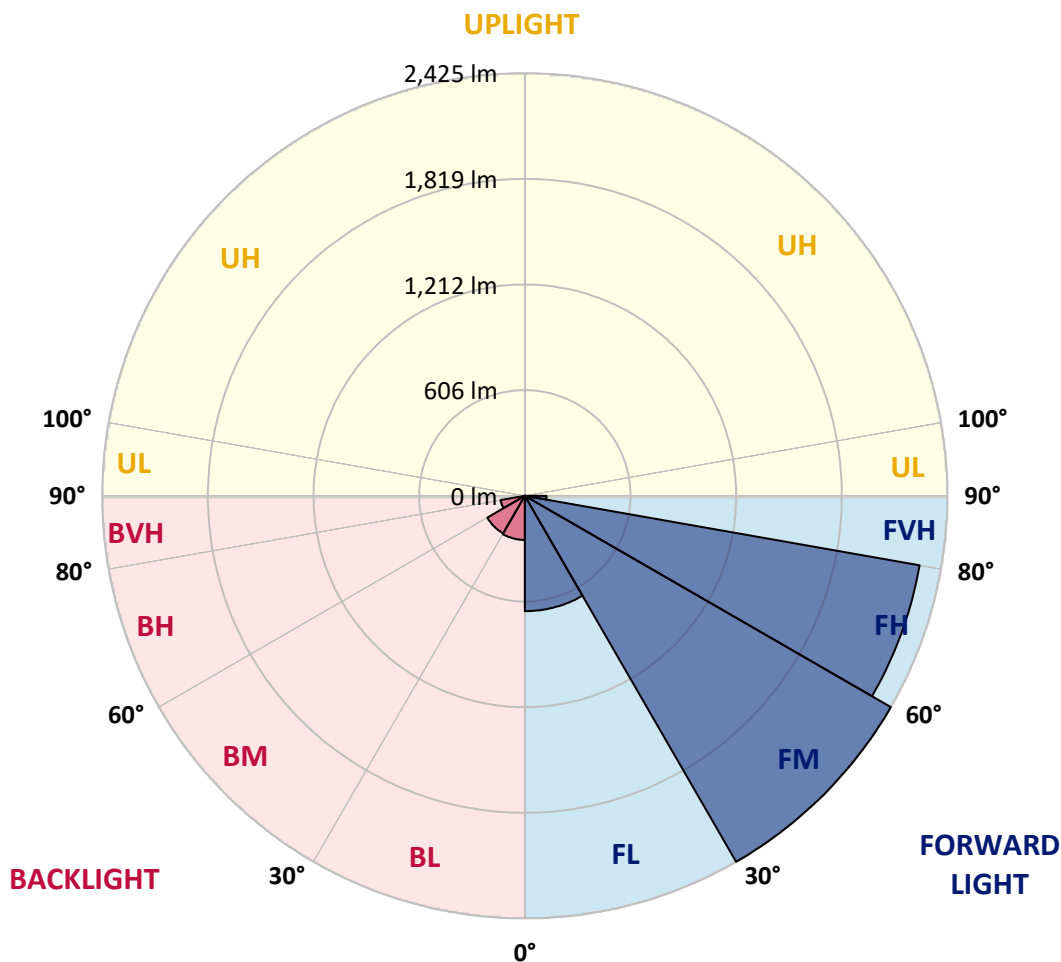


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.9	10.8			
FM (30°-60°)	2425.0	39.4			
FH (60°-80°)	2300.3	37.4			G2/5000
FVH (80°-90°)	124.5	2.0			G2/225
BL (0°-30°)	253.4	4.1	B1/500		
BM (30°-60°)	248.8	4.0	B1/1000		
BH (60°-80°)	141.3	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	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°	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1
2.5°	1945.8	1953.0	1935.7	1955.9	1937.1	1945.8	1935.7	1932.8	1934.2	1935.7	1924.1
5°	1854.9	1872.2	1879.4	1867.8	1895.3	1890.9	1908.3	1909.7	1902.5	1895.3	1896.7
7.5°	1735.0	1752.4	1759.6	1766.8	1794.2	1830.3	1853.4	1839.0	1850.5	1876.5	1837.5
10°	1648.4	1644.1	1642.7	1657.1	1709.1	1739.4	1778.4	1774.0	1802.9	1827.4	1795.7
12.5°	1541.6	1533.0	1558.9	1570.5	1616.7	1670.1	1700.4	1732.2	1761.0	1787.0	1750.9
15°	1462.2	1469.4	1479.6	1504.1	1537.3	1608.0	1652.8	1683.1	1735.0	1748.0	1733.6
17.5°	1398.7	1404.5	1418.9	1431.9	1473.8	1541.6	1612.4	1648.4	1703.3	1737.9	1693.2
20°	1400.2	1382.8	1382.8	1395.8	1418.9	1499.8	1574.8	1586.4	1661.4	1720.6	1690.3
22.5°	1401.6	1395.8	1382.8	1381.4	1391.5	1449.2	1525.7	1551.7	1632.6	1701.8	1665.8
25°	1421.8	1400.2	1401.6	1381.4	1385.7	1414.6	1475.2	1514.2	1606.6	1712.0	1652.8
27.5°	1439.1	1449.2	1429.0	1420.4	1395.8	1394.4	1444.9	1478.1	1593.6	1735.0	1661.4
30°	1478.1	1485.3	1485.3	1479.6	1456.5	1423.3	1434.8	1476.7	1567.6	1730.7	1647.0
32.5°	1543.1	1530.1	1547.4	1538.7	1508.4	1456.5	1466.6	1488.2	1583.5	1785.6	1670.1
35°	1564.7	1574.8	1597.9	1579.2	1569.0	1538.7	1518.5	1534.4	1606.6	1840.4	1704.7
37.5°	1631.1	1616.7	1632.6	1674.4	1684.5	1629.7	1590.7	1613.8	1693.2	1905.4	1736.5
40°	1636.9	1648.4	1677.3	1759.6	1769.7	1746.6	1714.8	1720.6	1779.8	1989.1	1815.9
42.5°	1665.8	1678.8	1737.9	1807.2	1862.1	1866.4	1843.3	1843.3	1893.8	2123.3	1903.9
45°	1722.1	1700.4	1776.9	1893.8	1973.2	1989.1	2019.4	2012.2	2052.6	2264.8	2068.5
47.5°	1743.7	1750.9	1834.6	1976.1	2067.0	2140.7	2191.2	2192.6	2212.8	2445.2	2282.1
50°	1814.4	1813.0	1914.0	2045.4	2179.6	2313.9	2412.0	2412.0	2410.6	2621.3	2465.4
52.5°	1908.3	1905.4	1983.3	2139.2	2313.9	2482.8	2612.7	2617.0	2650.2	2837.9	2676.2
55°	2061.3	2048.3	2123.3	2238.8	2448.1	2653.1	2878.3	2879.7	2853.7	2992.3	2827.8
57.5°	2189.7	2188.3	2250.4	2361.5	2598.2	2872.5	3133.8	3172.7	3090.5	3151.1	2949.0
60°	2156.5	2175.3	2303.8	2468.3	2757.0	3146.8	3409.5	3470.1	3338.7	3259.3	3039.9
62.5°	1950.1	1993.4	2133.4	2396.2	2891.3	3545.2	3789.1	3761.7	3468.6	3351.7	3151.1
65°	1403.0	1446.4	1619.6	2013.6	2735.4	3826.6	4288.5	4164.4	3699.6	3488.9	3299.8
67.5°	825.7	843.0	951.2	1284.7	2045.4	3673.6	4894.8	4904.9	4154.3	3699.6	3556.7
70°	596.2	609.1	651.0	757.8	1133.1	2879.7	5232.6	5495.3	4785.1	3942.1	3421.0
72.5°	457.6	457.6	528.3	630.8	721.7	1724.9	4815.4	5342.3	4922.2	3709.7	2757.0
75°	329.1	337.8	414.3	542.7	665.4	866.1	3548.0	4239.5	4171.6	3006.7	1925.6
77.5°	189.1	193.4	291.6	454.7	625.0	594.7	2192.6	2873.9	2954.8	1882.3	834.3
80°	96.7	99.6	163.1	359.4	565.8	518.2	1307.8	1892.4	1605.1	547.1	193.4
82.5°	47.6	47.6	73.6	229.5	480.7	459.0	769.4	1045.1	568.7	125.6	80.8
85°	15.9	17.3	33.2	129.9	347.9	277.1	470.6	496.6	190.5	47.6	44.7
87.5°	4.3	5.8	8.7	47.6	151.6	181.9	280.0	317.6	77.9	18.8	21.7
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°	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1
2.5°	1880.8	1870.7	1859.2	1830.3	1807.2	1776.9	1756.7	1740.8	1710.5	1716.3	1703.3
5°	1862.1	1843.3	1776.9	1713.4	1655.7	1567.6	1507.0	1468.0	1436.2	1404.5	1427.6
7.5°	1828.9	1784.1	1680.2	1561.8	1439.1	1323.7	1208.2	1138.9	1088.4	1042.2	1040.7
10°	1772.6	1700.4	1537.3	1382.8	1193.7	1042.2	894.9	779.5	704.4	649.6	648.1
12.5°	1709.1	1634.0	1429.0	1177.9	959.9	746.3	570.2	447.5	376.7	333.4	327.7
15°	1668.6	1558.9	1293.3	996.0	726.1	486.4	316.1	239.6	212.2	202.1	202.1
17.5°	1616.7	1491.1	1159.1	806.9	503.8	281.5	205.0	184.8	183.3	180.4	177.5
20°	1595.0	1439.1	1039.3	643.8	319.0	199.2	176.1	171.8	171.8	168.9	166.0
22.5°	1537.3	1364.1	912.3	472.0	212.2	174.7	166.0	160.2	157.3	154.5	157.3
25°	1511.3	1310.7	792.5	326.2	173.2	155.9	151.6	145.8	141.5	140.0	140.0
27.5°	1494.0	1257.3	675.5	226.6	153.0	142.9	134.2	129.9	124.1	118.4	118.4
30°	1481.0	1215.4	563.0	167.4	137.1	127.0	119.8	109.7	102.5	96.7	96.7
32.5°	1463.7	1166.3	450.4	142.9	124.1	114.0	101.0	92.4	82.3	77.9	77.9
35°	1469.4	1133.1	353.6	127.0	111.1	98.2	86.6	75.1	65.0	60.6	59.2
37.5°	1481.0	1108.6	268.5	114.0	99.6	85.2	72.2	59.2	53.4	47.6	47.6
40°	1530.1	1101.4	197.8	105.4	90.9	75.1	60.6	49.1	43.3	39.0	37.5
42.5°	1612.4	1111.5	153.0	95.3	82.3	63.5	50.5	40.4	34.6	30.3	28.9
45°	1717.7	1150.4	125.6	89.5	72.2	53.4	40.4	33.2	26.0	23.1	23.1
47.5°	1870.7	1211.1	109.7	82.3	63.5	44.7	34.6	26.0	20.2	17.3	17.3
50°	2043.9	1280.4	96.7	73.6	54.9	37.5	27.4	20.2	14.4	13.0	13.0
52.5°	2217.2	1368.4	89.5	67.8	47.6	30.3	21.7	14.4	10.1	8.7	8.7
55°	2399.0	1446.4	80.8	63.5	39.0	24.5	15.9	8.7	5.8	4.3	4.3
57.5°	2526.1	1476.7	70.7	54.9	30.3	18.8	11.5	5.8	2.9	1.4	1.4
60°	2617.0	1481.0	60.6	44.7	23.1	14.4	7.2	2.9	1.4	0.0	0.0
62.5°	2693.5	1489.7	52.0	34.6	17.3	10.1	4.3	1.4	0.0	0.0	0.0
65°	2845.1	1482.4	41.9	27.4	11.5	5.8	2.9	0.0	0.0	0.0	0.0
67.5°	2964.9	1410.3	33.2	18.8	7.2	2.9	1.4	0.0	0.0	0.0	0.0
70°	2622.8	1075.4	26.0	13.0	4.3	1.4	0.0	0.0	0.0	0.0	0.0
72.5°	2059.8	717.4	17.3	7.2	2.9	1.4	0.0	0.0	0.0	0.0	0.0
75°	1351.1	356.5	13.0	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	525.4	93.8	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	127.0	31.8	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	54.9	11.5	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	33.2	5.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.3	2.9	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)