

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: P676816

Luminaire Tested: **CCW-SA-2E-722-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676816
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-722-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

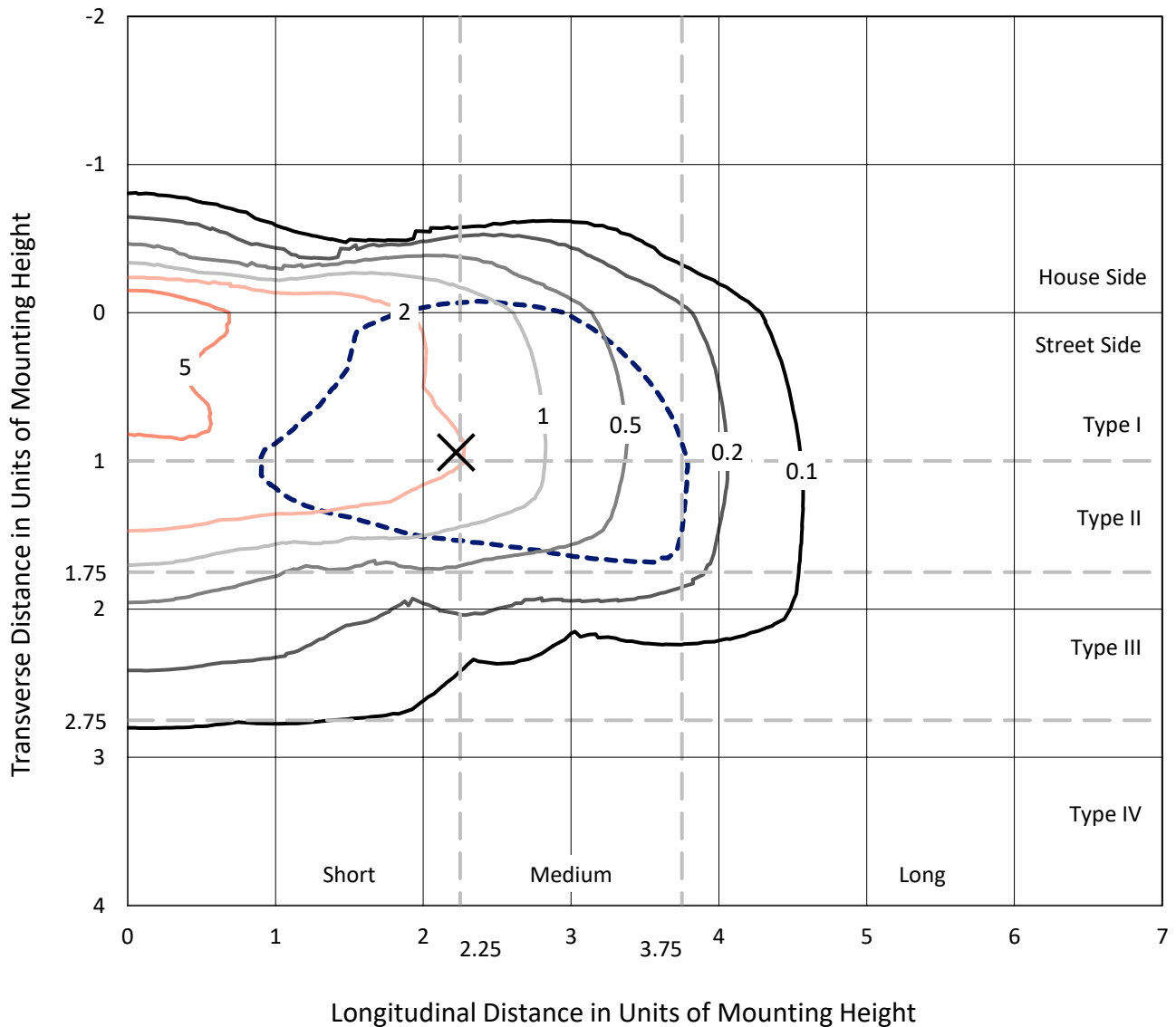
Lumens per Lamp: N/A
Luminaire Lumens: 8099.2 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): 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

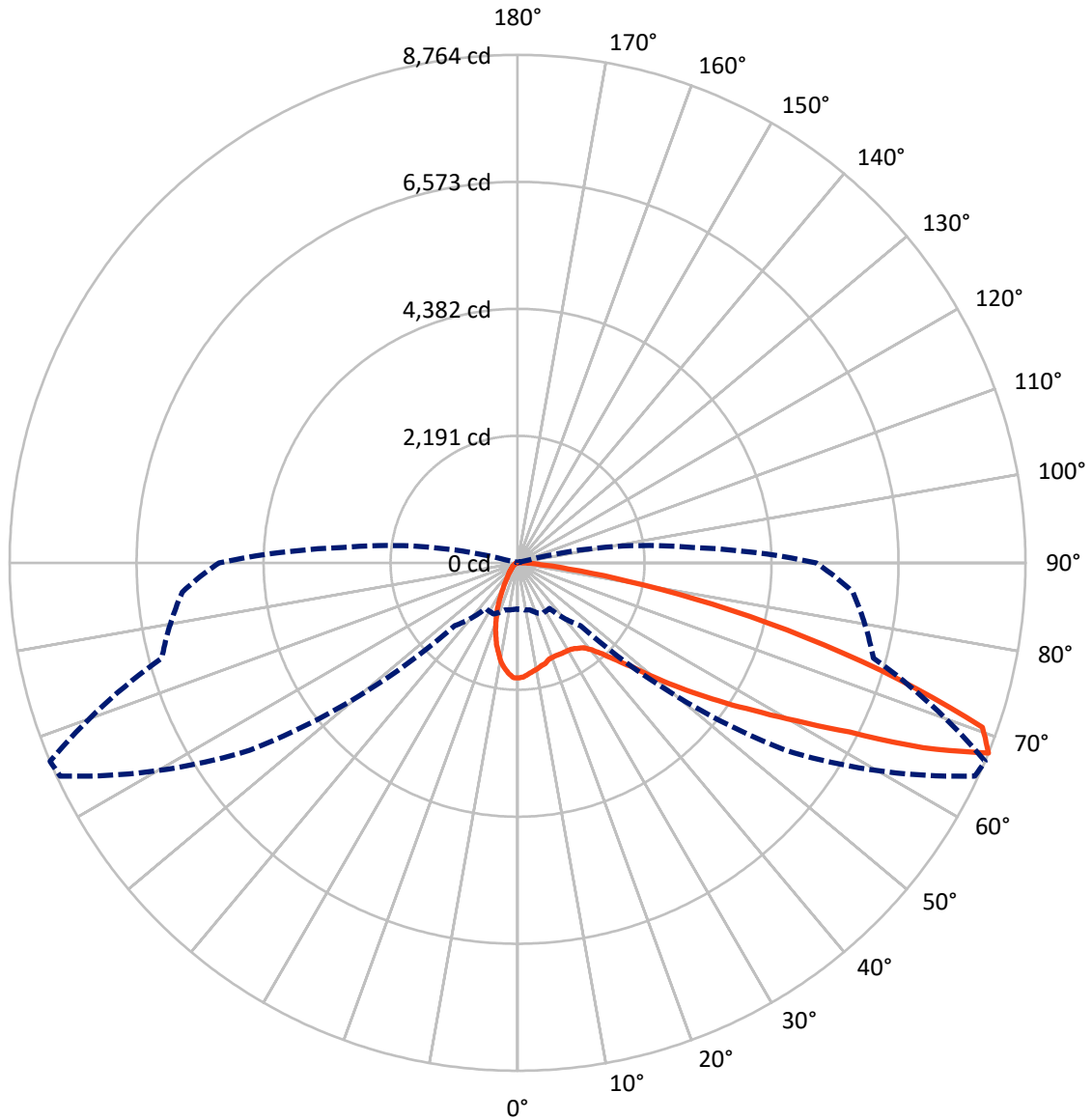
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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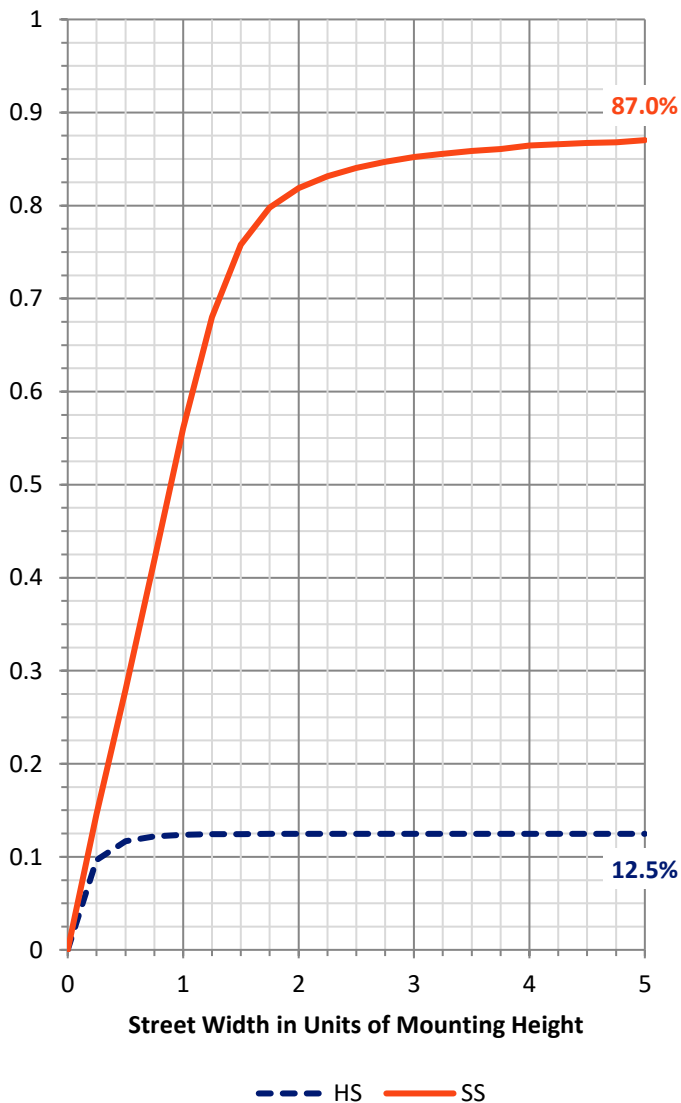
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1019.3	0.0	1019.3
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	7079.8	0.0	7079.8
	% Fixture	87.4	0.0	87.4
Total	Lumens	8099.2	0.0	8099.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	2.1
10°-20°	371.8	4.6
20°-30°	528.7	6.5
30°-40°	769.9	9.5
40°-50°	1191.5	14.7
50°-60°	1828.7	22.6
60°-70°	1982.3	24.5
70°-80°	1118.3	13.8
80°-90°	140.5	1.7
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°	8099.2	100.0
0°-180°	8099.2	100.0

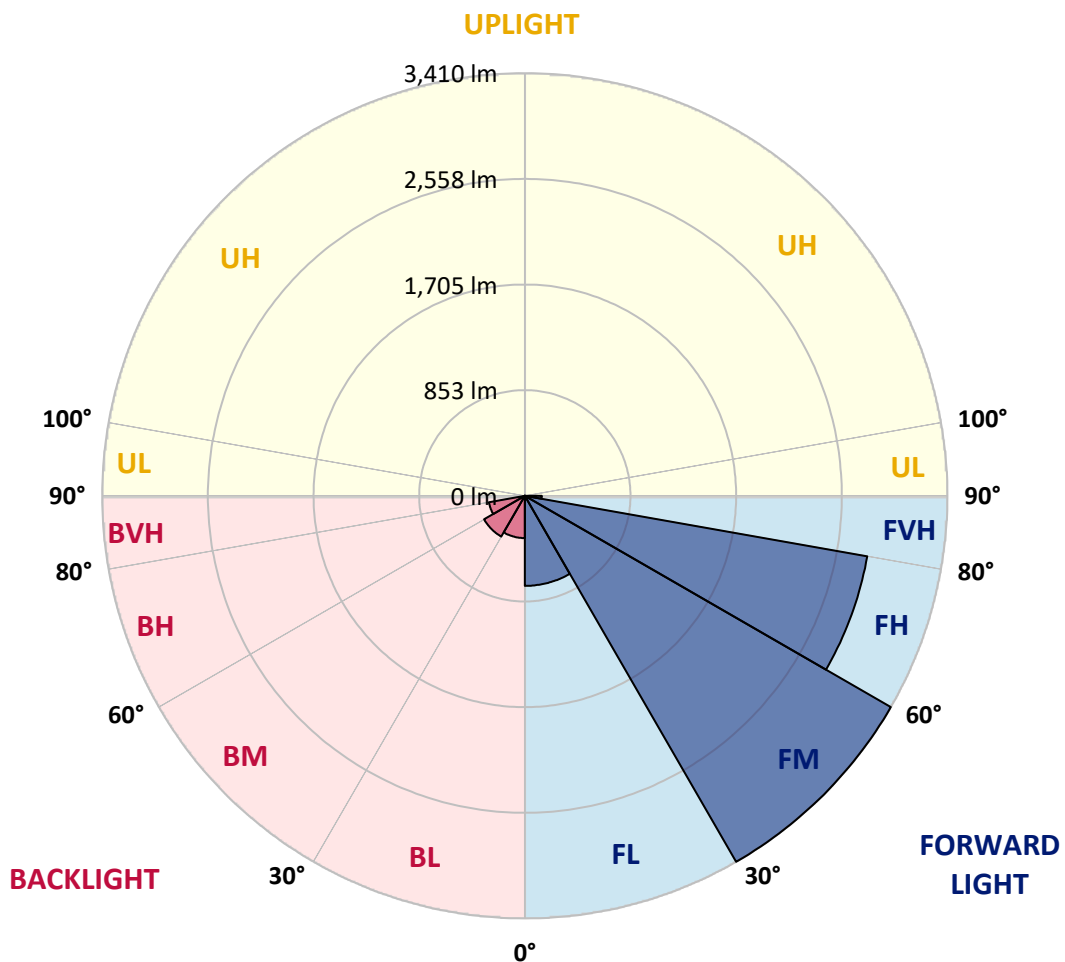


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	726.7	9.0			
FM (30°-60°)	3410.4	42.1			
FH (60°-80°)	2806.2	34.6			G2/5000
FVH (80°-90°)	136.5	1.7			G2/225
BL (0°-30°)	341.2	4.2	B1/500		
BM (30°-60°)	379.7	4.7	B1/1000		
BH (60°-80°)	294.4	3.6	B1/500		G1/500
BVH (80°-90°)	4.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6
2.5°	1900.7	1910.5	1924.1	1943.6	1957.3	1949.5	1955.3	1988.5	1971.0	1986.6	1978.8
5°	1795.3	1805.1	1824.6	1822.6	1838.3	1867.5	1906.6	1949.5	1930.0	1976.8	1994.4
7.5°	1686.0	1682.1	1682.1	1723.1	1756.3	1797.3	1818.7	1889.0	1890.9	1931.9	1974.9
10°	1586.5	1598.2	1617.7	1633.4	1664.6	1723.1	1785.6	1840.2	1861.7	1943.6	1955.3
12.5°	1526.0	1531.9	1555.3	1569.0	1609.9	1666.5	1732.9	1803.1	1820.7	1904.6	1961.2
15°	1500.7	1514.3	1522.1	1547.5	1569.0	1621.6	1670.4	1750.4	1801.2	1867.5	1937.8
17.5°	1520.2	1514.3	1518.2	1526.0	1551.4	1598.2	1650.9	1730.9	1748.5	1859.7	1965.1
20°	1545.5	1547.5	1535.8	1531.9	1526.0	1570.9	1613.8	1717.3	1736.8	1859.7	1982.7
22.5°	1613.8	1592.4	1613.8	1582.6	1551.4	1570.9	1611.9	1719.2	1732.9	1857.8	2000.2
25°	1697.8	1701.7	1707.5	1641.2	1596.3	1582.6	1625.5	1725.1	1736.8	1873.4	2008.0
27.5°	1816.8	1834.4	1805.1	1771.9	1682.1	1613.8	1623.6	1721.2	1742.6	1865.6	2027.5
30°	1976.8	1963.1	1967.1	1890.9	1803.1	1695.8	1668.5	1730.9	1746.5	1875.3	2064.6
32.5°	2115.4	2099.7	2127.1	2099.7	1961.2	1812.9	1721.2	1750.4	1768.0	1898.8	2095.8
35°	2201.2	2220.7	2263.7	2292.9	2175.9	1965.1	1809.0	1803.1	1810.9	1910.5	2119.3
37.5°	2333.9	2369.0	2404.2	2478.3	2376.9	2152.4	1947.5	1871.4	1857.8	1967.1	2131.0
40°	2478.3	2468.6	2572.0	2659.8	2655.9	2415.9	2140.7	1992.4	1972.9	2056.8	2209.0
42.5°	2599.3	2589.6	2704.7	2849.1	2864.7	2669.6	2361.2	2164.1	2146.6	2195.4	2304.6
45°	2757.4	2765.2	2901.8	3073.5	3130.1	3005.2	2659.8	2410.0	2400.3	2384.7	2486.1
47.5°	2897.9	2940.8	3057.9	3260.9	3465.8	3352.6	3011.1	2769.1	2700.8	2665.7	2767.1
50°	2995.5	3034.5	3176.9	3393.6	3768.2	3840.4	3405.3	3151.6	3153.5	3067.7	3122.3
52.5°	2995.5	2993.5	3108.6	3393.6	3979.0	4349.8	3932.2	3633.6	3649.2	3559.4	3563.3
55°	2706.6	2700.8	2841.3	3143.8	3955.6	4839.6	4730.3	4244.4	4205.4	4031.7	4049.2
57.5°	2179.8	2193.4	2300.7	2663.7	3651.1	5067.9	5680.6	4931.3	4798.6	4439.5	4439.5
60°	1590.4	1578.7	1658.7	1912.4	2925.2	4982.0	6461.2	5741.1	5532.3	4777.1	4726.4
62.5°	1209.9	1207.9	1229.4	1315.3	1855.8	4343.9	6796.9	6771.5	6431.9	5108.9	5036.7
65°	977.7	981.6	1010.8	1071.3	1133.8	2962.3	6619.3	8000.9	7690.6	5602.6	5366.5
67.5°	798.1	807.9	843.0	973.8	960.1	1533.8	5637.7	8705.4	8763.9	6355.8	5809.4
70°	614.7	630.3	671.3	856.7	925.0	1020.6	3908.7	8354.1	8510.2	6824.2	5542.1
72.5°	417.6	415.7	503.5	694.7	934.7	934.7	2175.9	6728.6	6876.9	6291.4	4814.2
75°	226.4	240.0	333.7	524.9	856.7	903.5	1239.2	4923.5	5132.3	4892.3	3723.3
77.5°	122.9	124.9	185.4	343.5	712.3	862.5	827.4	3348.7	3430.6	2950.6	2039.3
80°	64.4	66.3	97.6	224.4	491.8	800.1	688.9	1996.3	1918.3	1131.8	673.2
82.5°	29.3	31.2	48.8	140.5	314.2	630.3	595.2	964.0	889.9	316.1	204.9
85°	11.7	11.7	21.5	83.9	183.4	310.3	509.3	484.0	403.9	95.6	101.5
87.5°	3.9	3.9	5.9	33.2	74.2	185.4	271.3	255.6	175.6	35.1	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°	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6
2.5°	1971.0	1992.4	1986.6	1982.7	1945.6	1941.7	1937.8	1902.7	1914.4	1885.1	1904.6
5°	1982.7	1994.4	1963.1	1904.6	1851.9	1793.4	1748.5	1717.3	1660.7	1639.2	1635.3
7.5°	1971.0	1971.0	1906.6	1812.9	1709.5	1613.8	1492.9	1407.0	1342.6	1293.8	1311.4
10°	1955.3	1931.9	1865.6	1699.7	1512.4	1368.0	1194.3	1067.4	971.8	940.6	921.1
12.5°	1955.3	1914.4	1766.1	1539.7	1297.7	1079.1	872.3	706.4	614.7	560.1	552.3
15°	1937.8	1877.3	1693.8	1389.4	1088.9	792.3	556.2	413.7	335.6	314.2	306.4
17.5°	1941.7	1869.5	1586.5	1211.8	845.0	526.9	339.6	261.5	242.0	232.2	234.2
20°	1949.5	1869.5	1490.9	1038.2	608.8	327.8	234.2	220.5	210.8	206.9	208.8
22.5°	1974.9	1832.4	1393.3	860.6	411.8	236.1	206.9	193.2	185.4	179.5	177.6
25°	1978.8	1826.5	1299.7	685.0	283.0	199.0	181.5	165.9	156.1	148.3	146.4
27.5°	1972.9	1801.2	1168.9	509.3	212.7	177.6	154.2	138.6	124.9	119.0	117.1
30°	1994.4	1754.3	1057.7	366.9	179.5	154.2	130.7	113.2	101.5	93.7	93.7
32.5°	1996.3	1713.4	934.7	261.5	163.9	136.6	111.2	91.7	80.0	76.1	76.1
35°	1998.3	1676.3	798.1	199.0	146.4	117.1	91.7	76.1	68.3	62.4	62.4
37.5°	2004.1	1649.0	673.2	167.8	130.7	99.5	76.1	62.4	54.6	52.7	52.7
40°	2015.8	1611.9	542.5	148.3	113.2	83.9	64.4	52.7	44.9	42.9	41.0
42.5°	2047.1	1602.1	433.2	132.7	101.5	70.3	52.7	42.9	37.1	33.2	31.2
45°	2175.9	1627.5	335.6	122.9	85.9	58.5	44.9	35.1	27.3	25.4	23.4
47.5°	2386.6	1711.4	265.4	109.3	72.2	48.8	37.1	27.3	21.5	19.5	17.6
50°	2706.6	1902.7	216.6	97.6	60.5	41.0	29.3	21.5	15.6	13.7	13.7
52.5°	3126.2	2160.2	187.3	85.9	48.8	35.1	23.4	15.6	11.7	9.8	9.8
55°	3555.5	2464.7	175.6	74.2	41.0	29.3	17.6	11.7	7.8	5.9	5.9
57.5°	3949.7	2661.8	169.8	60.5	35.1	21.5	13.7	7.8	3.9	2.0	2.0
60°	4195.6	2806.2	152.2	48.8	27.3	17.6	9.8	3.9	2.0	0.0	0.0
62.5°	4519.5	2952.5	124.9	37.1	19.5	11.7	5.9	2.0	0.0	0.0	0.0
65°	4946.9	3116.4	97.6	29.3	15.6	7.8	3.9	2.0	0.0	0.0	0.0
67.5°	5151.8	3030.6	66.3	21.5	9.8	3.9	2.0	0.0	0.0	0.0	0.0
70°	4742.0	2552.5	46.8	15.6	5.9	2.0	2.0	0.0	0.0	0.0	0.0
72.5°	3986.8	2000.2	35.1	9.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0
75°	2938.9	1250.9	27.3	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1559.2	466.4	19.5	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	460.5	136.6	13.7	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	152.2	41.0	7.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	78.1	15.6	3.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	44.9	5.9	3.9	3.9	2.0	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)