

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: P673681

Luminaire Tested: **CCP-SA-2D-730-U-SL2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673681
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-730-U-SL2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ SL2 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

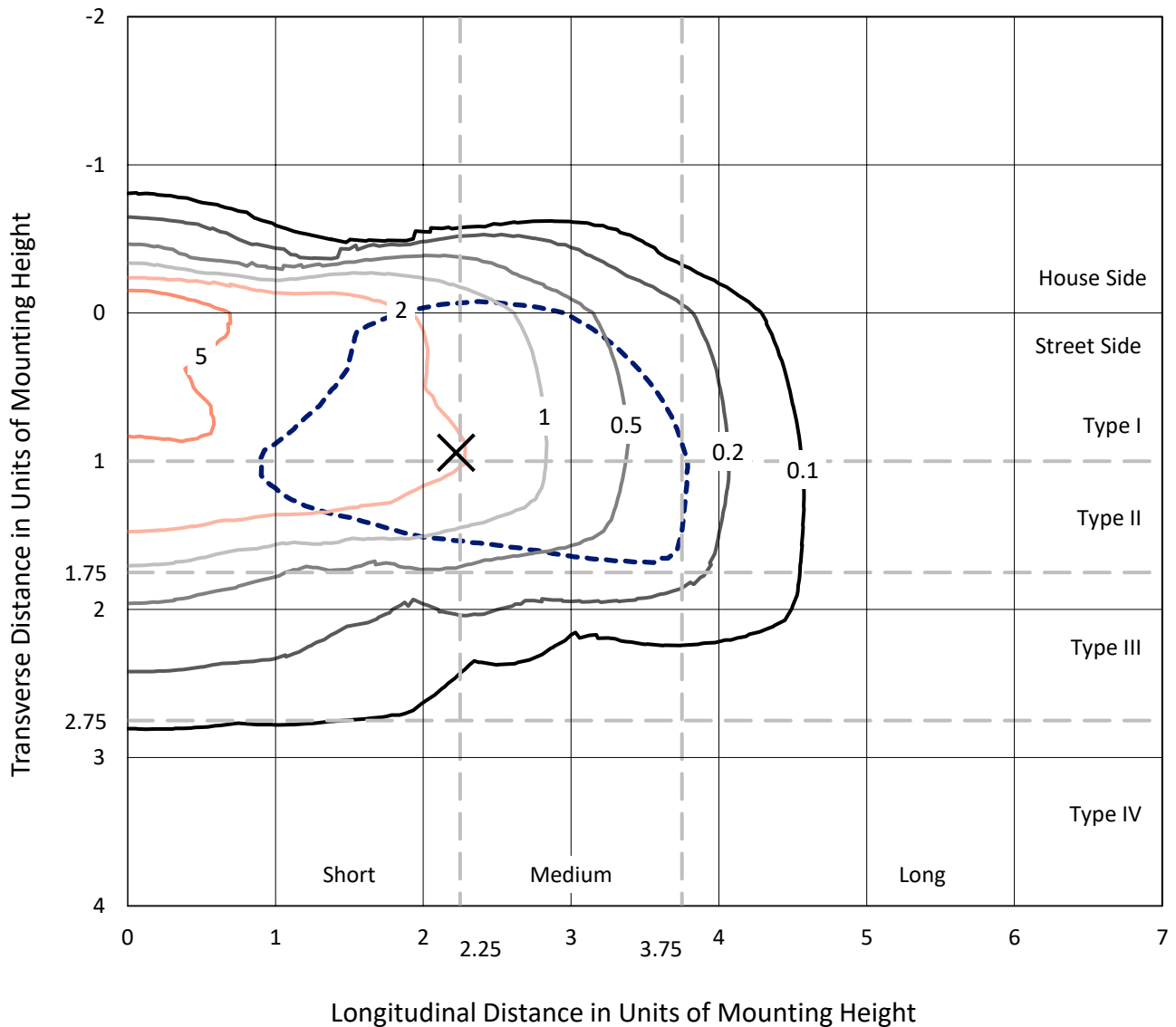
Lumens per Lamp: N/A
Luminaire Lumens: 8166.8 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

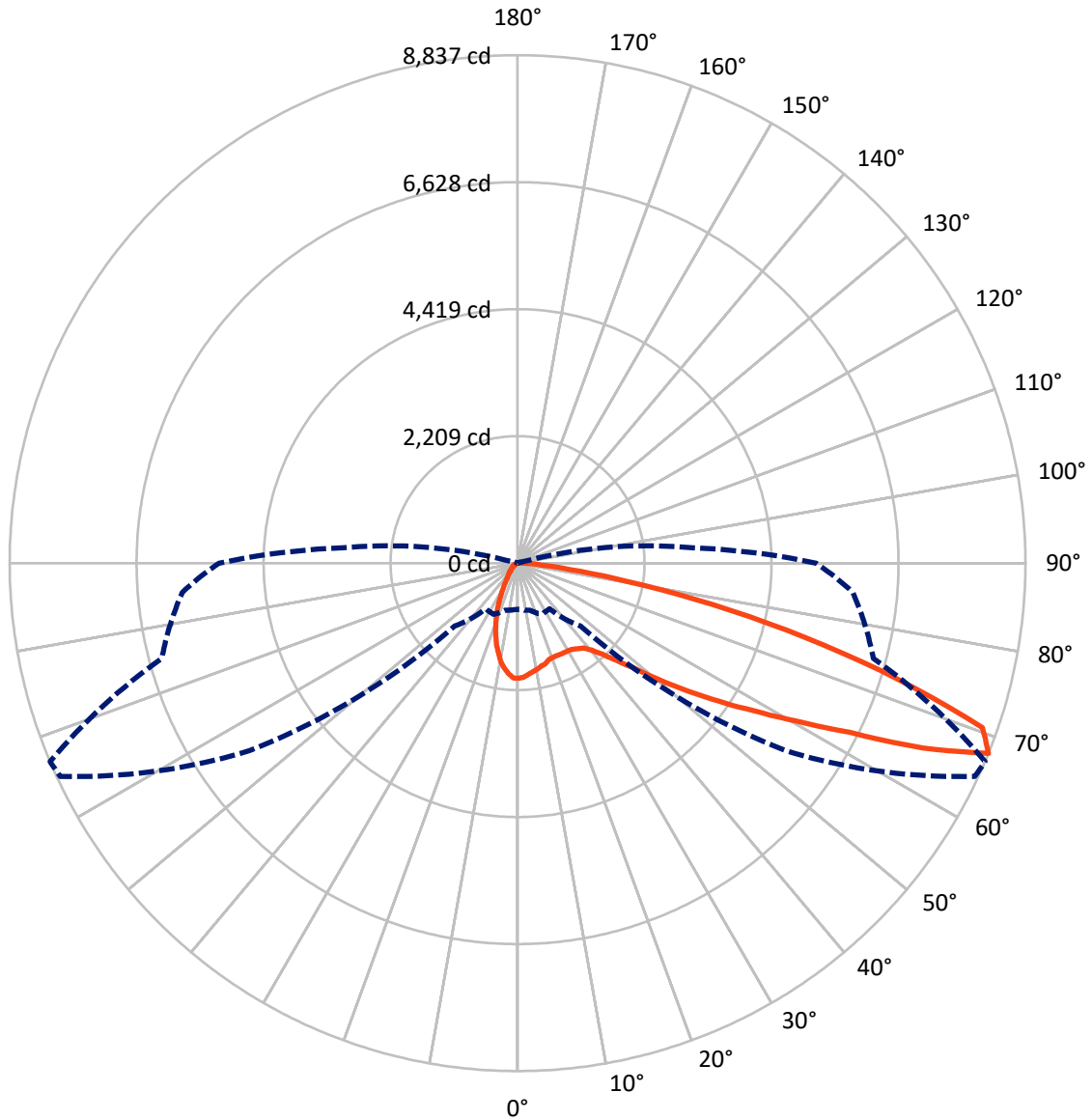
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.9 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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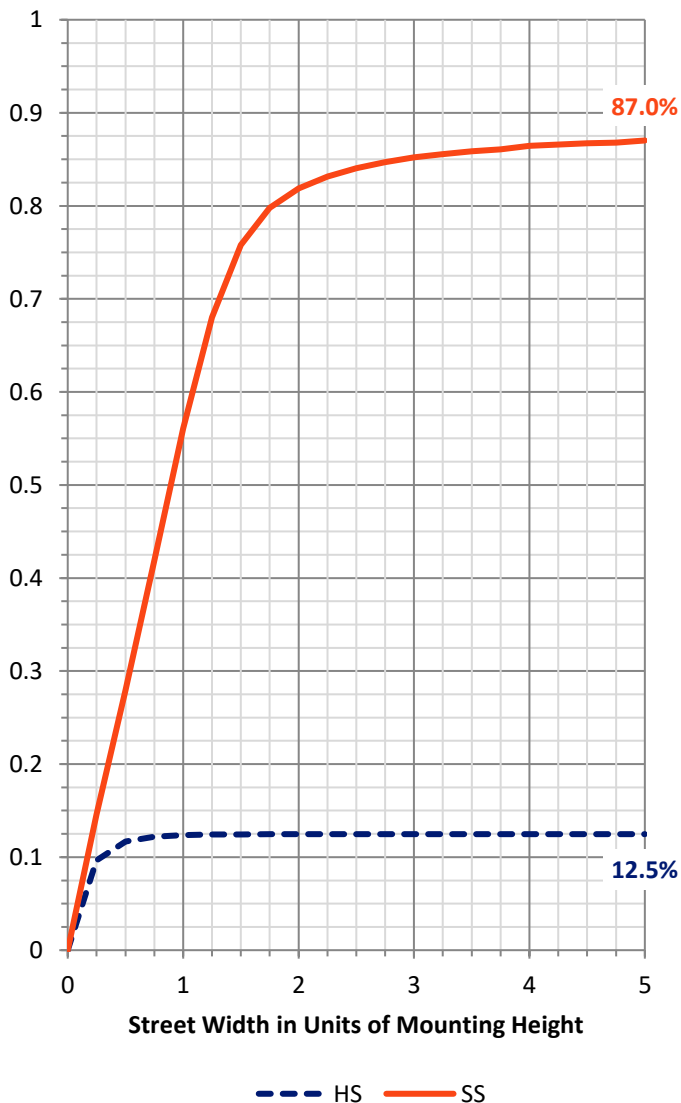
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1027.8	0.0	1027.8
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	7139.0	0.0	7139.0
	% Fixture	87.4	0.0	87.4
Total	Lumens	8166.8	0.0	8166.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.8	2.1
10°-20°	374.9	4.6
20°-30°	533.1	6.5
30°-40°	776.3	9.5
40°-50°	1201.5	14.7
50°-60°	1843.9	22.6
60°-70°	1998.8	24.5
70°-80°	1127.7	13.8
80°-90°	141.7	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°	8166.8	100.0
0°-180°	8166.8	100.0



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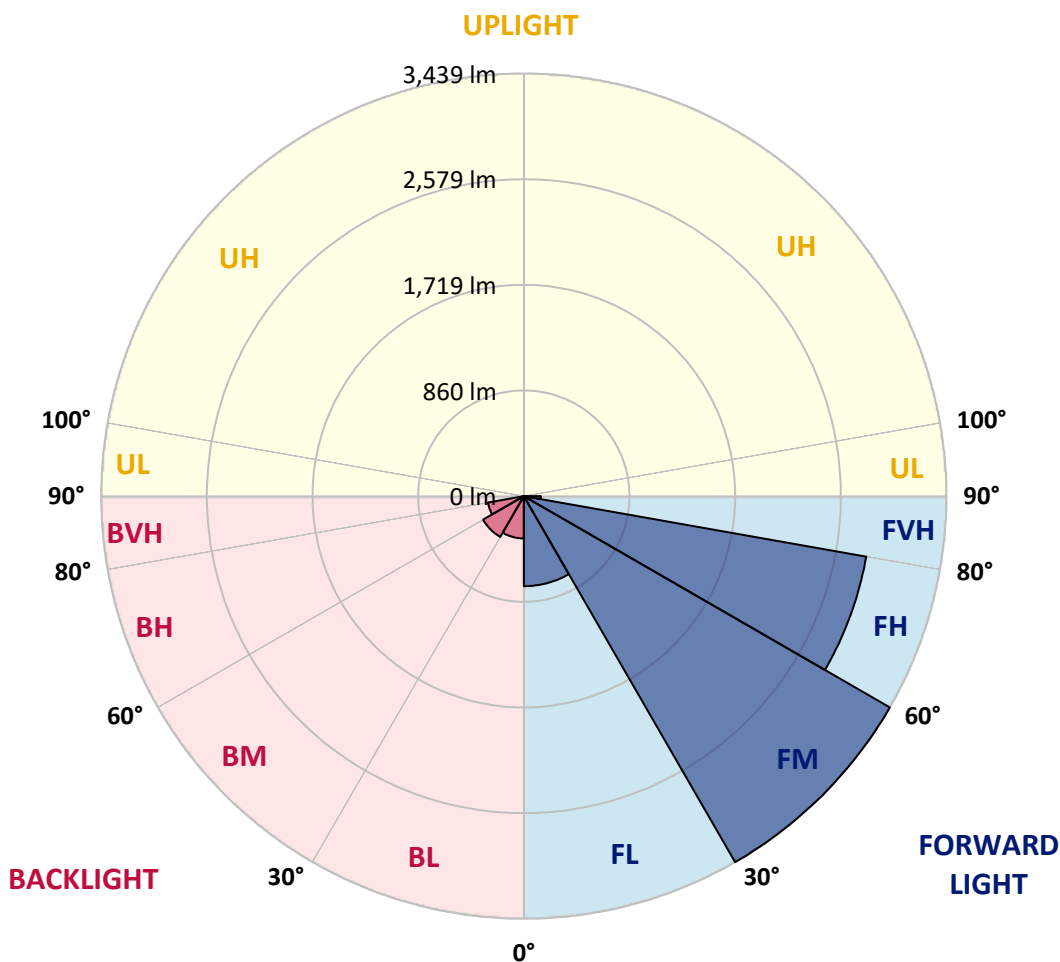
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	732.8	9.0			
FM (30°-60°)	3438.9	42.1			
FH (60°-80°)	2829.6	34.6			G2/5000
FVH (80°-90°)	137.6	1.7			G2/225
BL (0°-30°)	344.0	4.2	B1/500		
BM (30°-60°)	382.8	4.7	B1/1000		
BH (60°-80°)	296.9	3.6	B1/500		G1/500
BVH (80°-90°)	4.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2
2.5°	1916.6	1926.4	1940.2	1959.9	1973.6	1965.8	1971.7	2005.1	1987.4	2003.2	1995.3
5°	1810.3	1820.2	1839.8	1837.9	1853.6	1883.1	1922.5	1965.8	1946.1	1993.3	2011.0
7.5°	1700.1	1696.2	1696.2	1737.5	1771.0	1812.3	1833.9	1904.8	1906.7	1948.1	1991.4
10°	1599.8	1611.6	1631.3	1647.0	1678.5	1737.5	1800.5	1855.6	1877.2	1959.9	1971.7
12.5°	1538.8	1544.7	1568.3	1582.1	1623.4	1680.5	1747.4	1818.2	1835.9	1920.5	1977.6
15°	1513.2	1527.0	1534.8	1560.4	1582.1	1635.2	1684.4	1765.1	1816.2	1883.1	1954.0
17.5°	1532.9	1527.0	1530.9	1538.8	1564.4	1611.6	1664.7	1745.4	1763.1	1875.3	1981.5
20°	1558.5	1560.4	1548.6	1544.7	1538.8	1584.0	1627.3	1731.6	1751.3	1875.3	1999.2
22.5°	1627.3	1605.7	1627.3	1595.8	1564.4	1584.0	1625.4	1733.6	1747.4	1873.3	2016.9
25°	1711.9	1715.9	1721.8	1654.9	1609.6	1595.8	1639.1	1739.5	1751.3	1889.0	2024.8
27.5°	1832.0	1849.7	1820.2	1786.7	1696.2	1627.3	1637.2	1735.5	1757.2	1881.2	2044.5
30°	1993.3	1979.5	1983.5	1906.7	1818.2	1710.0	1682.4	1745.4	1761.1	1891.0	2081.9
32.5°	2133.0	2117.3	2144.8	2117.3	1977.6	1828.0	1735.5	1765.1	1782.8	1914.6	2113.4
35°	2219.6	2239.3	2282.6	2312.1	2194.0	1981.5	1824.1	1818.2	1826.1	1926.4	2137.0
37.5°	2353.4	2388.8	2424.3	2499.0	2396.7	2170.4	1963.8	1887.1	1873.3	1983.5	2148.8
40°	2499.0	2489.2	2593.5	2682.0	2678.1	2436.1	2158.6	2009.1	1989.4	2074.0	2227.5
42.5°	2621.0	2611.2	2727.3	2872.9	2888.6	2691.9	2381.0	2182.2	2164.5	2213.7	2323.9
45°	2780.4	2788.3	2926.0	3099.2	3156.3	3030.3	2682.0	2430.2	2420.3	2404.6	2506.9
47.5°	2922.1	2965.4	3083.5	3288.1	3494.7	3380.6	3036.2	2792.2	2723.4	2687.9	2790.3
50°	3020.5	3059.8	3203.5	3421.9	3799.7	3872.5	3433.7	3177.9	3179.9	3093.3	3148.4
52.5°	3020.5	3018.5	3134.6	3421.9	4012.2	4386.1	3965.0	3663.9	3679.7	3589.2	3593.1
55°	2729.3	2723.4	2865.0	3170.0	3988.6	4880.0	4769.8	4279.8	4240.5	4065.4	4083.1
57.5°	2198.0	2211.7	2320.0	2686.0	3681.6	5110.2	5728.1	4972.5	4838.7	4476.6	4476.6
60°	1603.7	1591.9	1672.6	1928.4	2949.6	5023.6	6515.2	5789.1	5578.6	4817.0	4765.9
62.5°	1220.0	1218.0	1239.7	1326.3	1871.3	4380.2	6853.7	6828.1	6485.7	5151.6	5078.7
65°	985.8	989.8	1019.3	1080.3	1143.3	2987.0	6674.6	8067.7	7754.9	5649.4	5411.3
67.5°	804.8	814.6	850.1	981.9	968.1	1546.6	5684.8	8778.1	8837.1	6408.9	5858.0
70°	619.8	635.6	676.9	863.8	932.7	1029.1	3941.4	8423.9	8581.3	6881.2	5588.4
72.5°	421.1	419.1	507.7	700.5	942.5	942.5	2194.0	6784.8	6934.3	6344.0	4854.4
75°	228.3	242.0	336.5	529.3	863.8	911.1	1249.5	4964.6	5175.2	4933.1	3754.5
77.5°	124.0	125.9	186.9	346.3	718.2	869.7	834.3	3376.6	3459.3	2975.2	2056.3
80°	64.9	66.9	98.4	226.3	495.9	806.8	694.6	2013.0	1934.3	1141.3	678.9
82.5°	29.5	31.5	49.2	141.7	316.8	635.6	600.2	972.1	897.3	318.8	206.6
85°	11.8	11.8	21.6	84.6	185.0	312.9	513.6	488.0	407.3	96.4	102.3
87.5°	3.9	3.9	5.9	33.5	74.8	186.9	273.5	257.8	177.1	35.4	55.1
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°	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2	2003.2
2.5°	1987.4	2009.1	2003.2	1999.2	1961.8	1957.9	1954.0	1918.5	1930.4	1900.8	1920.5
5°	1999.2	2011.0	1979.5	1920.5	1867.4	1808.4	1763.1	1731.6	1674.5	1652.9	1649.0
7.5°	1987.4	1987.4	1922.5	1828.0	1723.7	1627.3	1505.3	1418.7	1353.8	1304.6	1322.3
10°	1971.7	1948.1	1881.2	1713.9	1525.0	1379.4	1204.3	1076.4	979.9	948.5	928.8
12.5°	1971.7	1930.4	1780.8	1552.5	1308.5	1088.2	879.6	712.3	619.8	564.7	556.9
15°	1954.0	1893.0	1708.0	1401.0	1098.0	798.9	560.8	417.2	338.5	316.8	308.9
17.5°	1957.9	1885.1	1599.8	1222.0	852.0	531.3	342.4	263.7	244.0	234.2	236.1
20°	1965.8	1885.1	1503.4	1046.8	613.9	330.6	236.1	222.4	212.5	208.6	210.5
22.5°	1991.4	1847.7	1405.0	867.8	415.2	238.1	208.6	194.8	186.9	181.0	179.1
25°	1995.3	1841.8	1310.5	690.7	285.3	200.7	183.0	167.3	157.4	149.5	147.6
27.5°	1989.4	1816.2	1178.7	513.6	214.5	179.1	155.5	139.7	125.9	120.0	118.1
30°	2011.0	1769.0	1066.5	369.9	181.0	155.5	131.8	114.1	102.3	94.5	94.5
32.5°	2013.0	1727.7	942.5	263.7	165.3	137.7	112.2	92.5	80.7	76.7	76.7
35°	2015.0	1690.3	804.8	200.7	147.6	118.1	92.5	76.7	68.9	63.0	63.0
37.5°	2020.9	1662.7	678.9	169.2	131.8	100.4	76.7	63.0	55.1	53.1	53.1
40°	2032.7	1625.4	547.0	149.5	114.1	84.6	64.9	53.1	45.3	43.3	41.3
42.5°	2064.2	1615.5	436.8	133.8	102.3	70.8	53.1	43.3	37.4	33.5	31.5
45°	2194.0	1641.1	338.5	124.0	86.6	59.0	45.3	35.4	27.5	25.6	23.6
47.5°	2406.6	1725.7	267.6	110.2	72.8	49.2	37.4	27.5	21.6	19.7	17.7
50°	2729.3	1918.5	218.4	98.4	61.0	41.3	29.5	21.6	15.7	13.8	13.8
52.5°	3152.3	2178.3	188.9	86.6	49.2	35.4	23.6	15.7	11.8	9.8	9.8
55°	3585.2	2485.3	177.1	74.8	41.3	29.5	17.7	11.8	7.9	5.9	5.9
57.5°	3982.7	2684.0	171.2	61.0	35.4	21.6	13.8	7.9	3.9	2.0	2.0
60°	4230.6	2829.6	153.5	49.2	27.5	17.7	9.8	3.9	2.0	0.0	0.0
62.5°	4557.3	2977.2	125.9	37.4	19.7	11.8	5.9	2.0	0.0	0.0	0.0
65°	4988.2	3142.5	98.4	29.5	15.7	7.9	3.9	2.0	0.0	0.0	0.0
67.5°	5194.8	3055.9	66.9	21.6	9.8	3.9	2.0	0.0	0.0	0.0	0.0
70°	4781.6	2573.8	47.2	15.7	5.9	2.0	2.0	0.0	0.0	0.0	0.0
72.5°	4020.1	2016.9	35.4	9.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0
75°	2963.4	1261.3	27.5	7.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1572.2	470.3	19.7	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	464.4	137.7	13.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	153.5	41.3	7.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	78.7	15.7	3.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	45.3	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)