

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: P675397

Luminaire Tested: **CCW-SA-2D-730-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675397
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-730-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

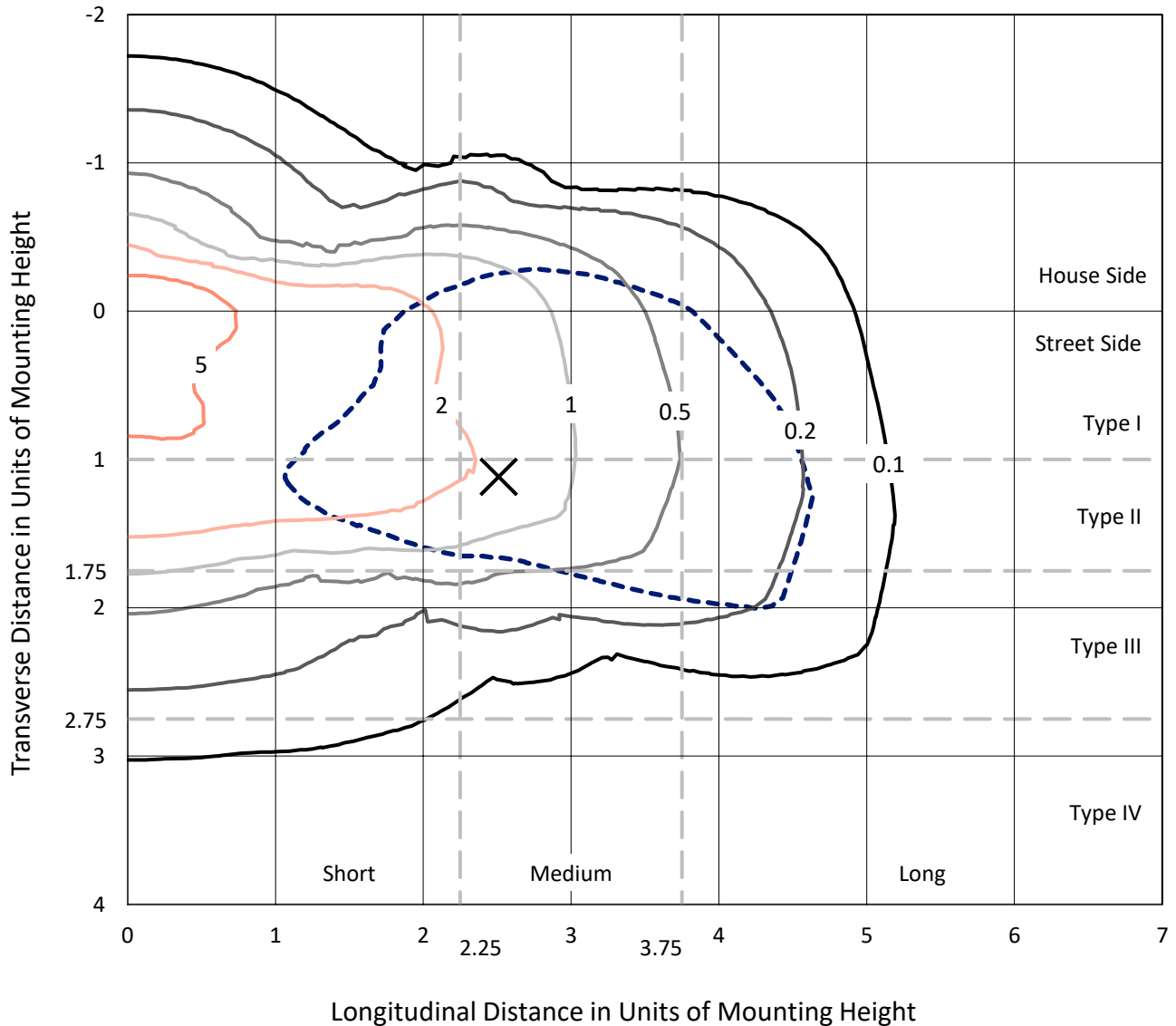
Lumens per Lamp: N/A
Luminaire Lumens: 10051 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

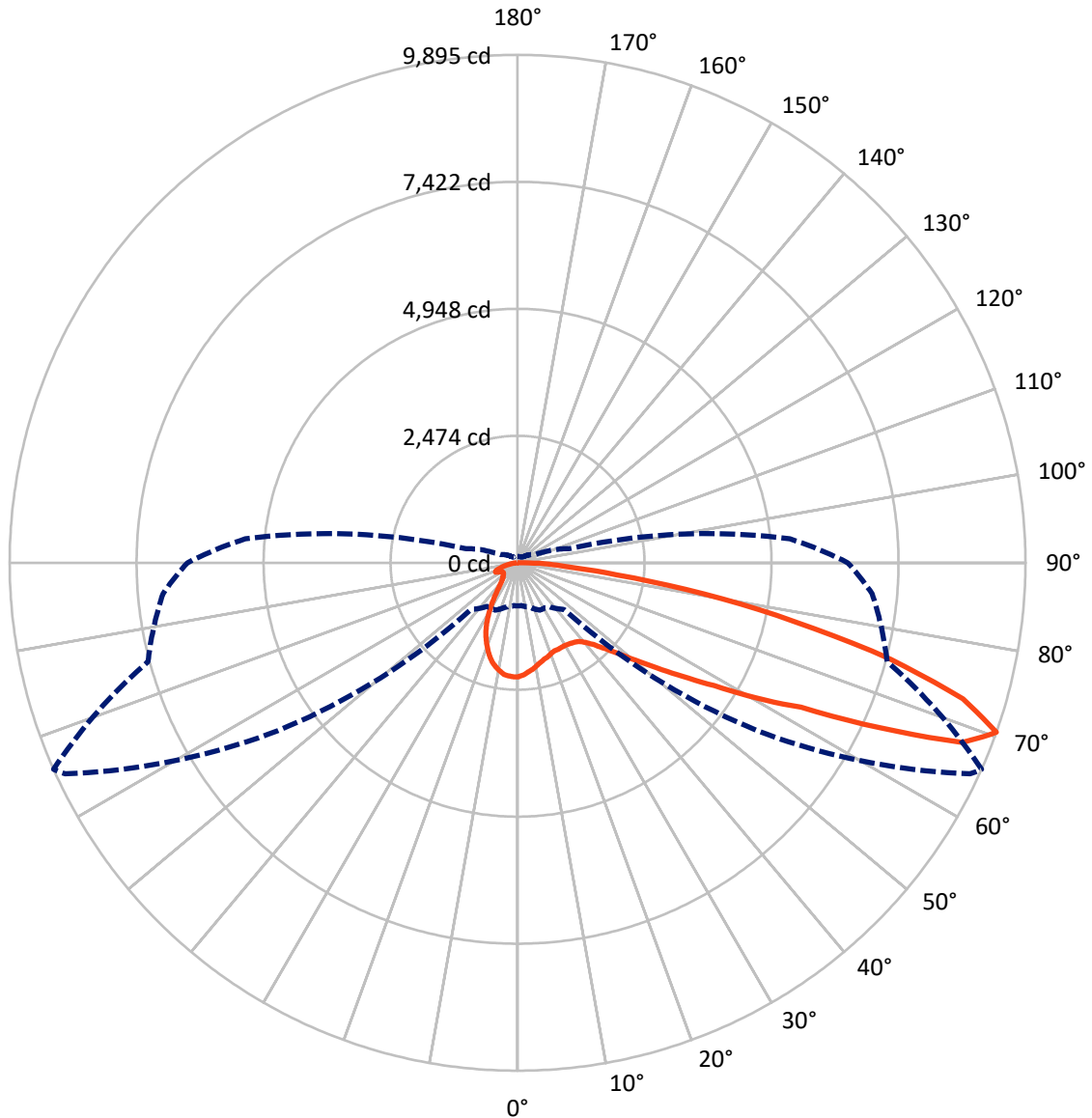
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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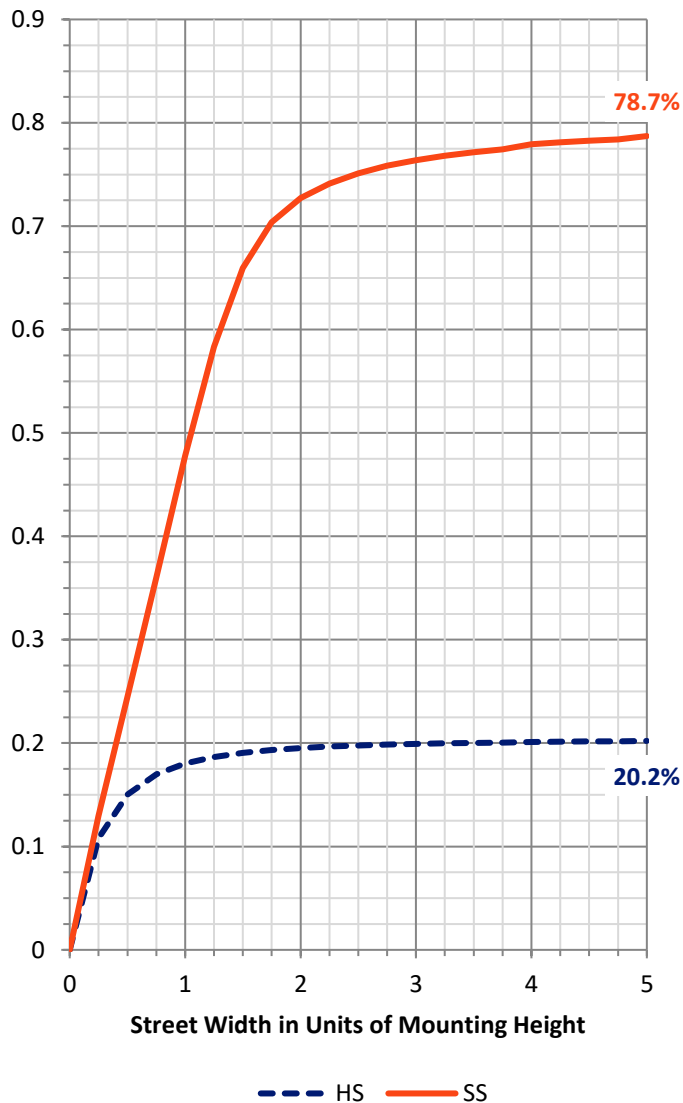
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2057.3	0.0	2057.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7993.7	0.0	7993.7
	% Fixture	79.5	0.0	79.5
Total	Lumens	10051.0	0.0	10051.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.3	2.0
10°-20°	483.3	4.8
20°-30°	663.8	6.6
30°-40°	890.0	8.9
40°-50°	1291.4	12.8
50°-60°	1962.9	19.5
60°-70°	2424.3	24.1
70°-80°	1802.8	17.9
80°-90°	336.3	3.3
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°	10051.0	100.0
0°-180°	10051.0	100.0

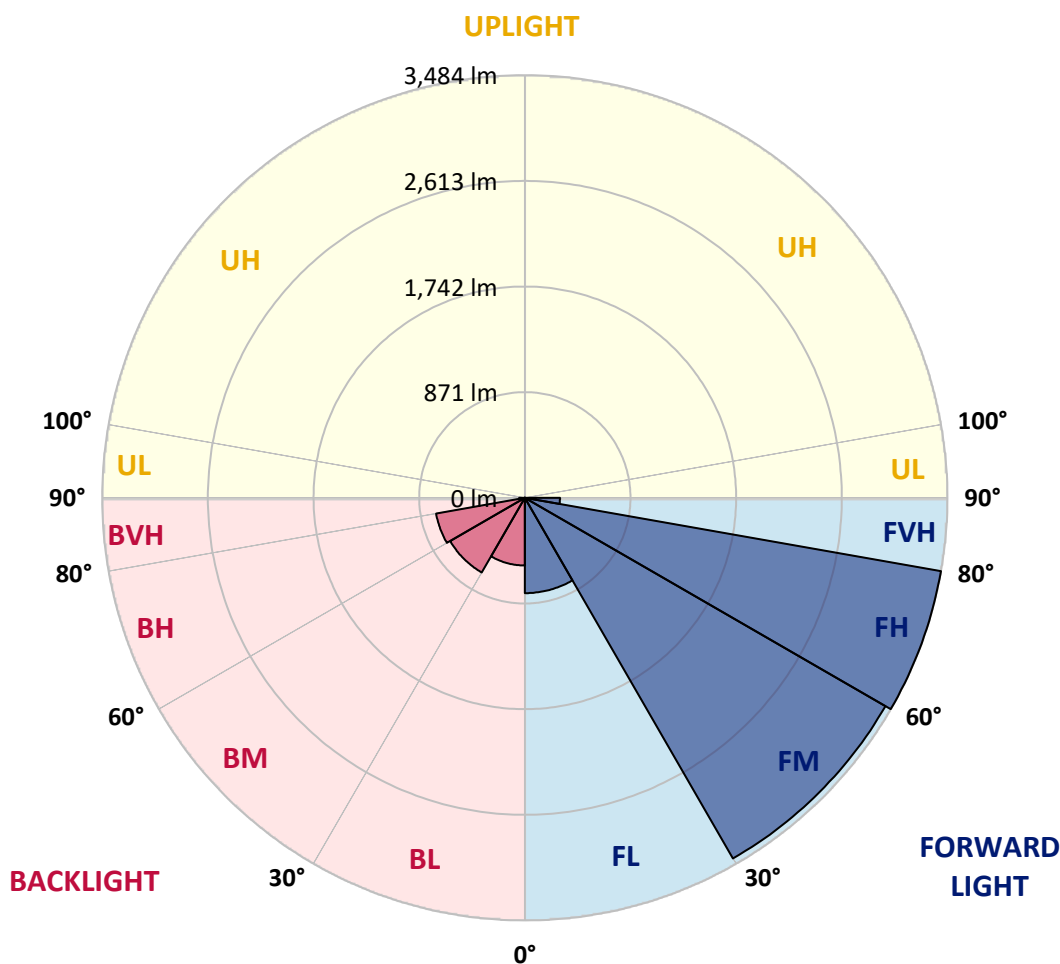


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	785.9	7.8			
FM (30°-60°)	3433.6	34.2			
FH (60°-80°)	3484.4	34.7			G2/5000
FVH (80°-90°)	289.9	2.9			G3/500
BL (0°-30°)	557.6	5.5	B2/1000		
BM (30°-60°)	710.7	7.1	B1/1000		
BH (60°-80°)	742.7	7.4	B2/1000		G2/1000
BVH (80°-90°)	46.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6
2.5°	2112.2	2123.4	2127.1	2134.6	2153.3	2168.2	2190.7	2201.9	2190.7	2205.6	2205.6
5°	1966.4	1951.4	1988.8	2003.8	2026.2	2056.1	2108.4	2149.6	2138.3	2183.2	2220.6
7.5°	1843.0	1843.0	1854.2	1887.9	1914.0	1958.9	2015.0	2078.5	2097.2	2157.0	2213.1
10°	1730.9	1745.8	1745.8	1798.1	1813.1	1865.4	1958.9	2037.4	2041.1	2142.1	2220.6
12.5°	1671.0	1663.6	1700.9	1715.9	1760.8	1813.1	1887.9	1985.1	1988.8	2097.2	2205.6
15°	1622.4	1629.9	1648.6	1686.0	1727.1	1768.2	1839.3	1929.0	1947.7	2074.8	2198.1
17.5°	1626.2	1629.9	1629.9	1656.1	1689.7	1738.3	1805.6	1910.3	1921.5	2044.9	2186.9
20°	1648.6	1633.7	1644.9	1656.1	1678.5	1723.4	1779.5	1869.2	1880.4	2041.1	2213.1
22.5°	1697.2	1686.0	1682.3	1678.5	1674.8	1700.9	1772.0	1846.7	1858.0	2022.4	2224.3
25°	1775.7	1772.0	1745.8	1719.6	1700.9	1700.9	1757.0	1865.4	1861.7	2022.4	2231.8
27.5°	1869.2	1869.2	1865.4	1816.8	1760.8	1730.9	1768.2	1858.0	1854.2	2022.4	2250.5
30°	1996.3	1996.3	1985.1	1940.2	1839.3	1753.3	1775.7	1850.5	1861.7	2007.5	2235.5
32.5°	2134.6	2130.9	2142.1	2101.0	1996.3	1858.0	1820.6	1865.4	1876.7	2022.4	2239.3
35°	2235.5	2258.0	2295.3	2258.0	2153.3	1966.4	1884.1	1895.3	1902.8	2026.2	2254.2
37.5°	2351.4	2377.6	2429.9	2459.8	2347.7	2130.9	1985.1	1943.9	1943.9	2074.8	2258.0
40°	2519.6	2493.5	2583.2	2635.5	2590.7	2332.7	2142.1	2033.7	2037.4	2138.3	2306.6
42.5°	2643.0	2669.2	2762.6	2856.1	2800.0	2579.5	2314.0	2179.5	2179.5	2231.8	2381.3
45°	2781.3	2811.2	2942.1	3054.2	3095.4	2874.8	2549.6	2388.8	2381.3	2415.0	2515.9
47.5°	2934.6	2975.7	3125.3	3256.1	3364.5	3181.3	2852.4	2643.0	2639.3	2665.4	2740.2
50°	3110.3	3125.3	3248.6	3487.9	3704.7	3588.8	3222.5	3001.9	2983.2	2994.4	3095.4
52.5°	3162.6	3151.4	3293.5	3551.4	3947.7	4086.0	3727.1	3409.4	3401.9	3375.7	3506.6
55°	2972.0	3009.4	3147.7	3476.7	4145.8	4672.9	4280.4	3966.4	3899.1	3828.1	3985.1
57.5°	2590.7	2594.4	2751.4	3140.2	3992.6	5158.9	5218.7	4512.2	4515.9	4325.3	4504.7
60°	2015.0	2003.8	2127.1	2478.5	3555.2	5308.5	6243.0	5383.2	5345.8	4822.5	4987.0
62.5°	1454.2	1431.8	1458.0	1663.6	2658.0	5080.4	7248.7	6358.9	6201.9	5330.9	5458.0
65°	1196.3	1207.5	1218.7	1229.9	1491.6	4190.7	7558.9	7951.5	7742.1	5925.3	5977.6
67.5°	990.7	998.1	1046.7	1114.0	1106.6	2474.8	7200.1	9424.4	9345.9	6661.7	6426.2
70°	841.1	837.4	893.5	1016.8	1035.5	1286.0	5701.0	9727.2	9895.4	7454.3	6934.6
72.5°	672.9	680.4	729.0	893.5	1016.8	1084.1	3282.3	9076.7	9073.0	8063.6	6661.7
75°	482.2	482.2	549.5	740.2	983.2	1072.9	1816.8	7368.3	7506.6	7577.6	5779.5
77.5°	317.8	332.7	385.0	553.3	923.4	1050.5	1151.4	5357.1	5529.0	5667.3	4422.5
80°	216.8	224.3	257.9	385.0	781.3	1058.0	942.1	3603.8	3671.1	3129.0	1794.4
82.5°	130.8	134.6	172.0	269.2	560.8	1005.6	886.0	1988.8	1947.7	945.8	515.9
85°	71.0	74.8	108.4	179.4	370.1	878.5	871.0	975.7	908.4	347.7	216.8
87.5°	26.2	26.2	48.6	89.7	213.1	601.9	758.9	579.4	542.1	175.7	100.9
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°	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6	2220.6
2.5°	2224.3	2224.3	2224.3	2224.3	2220.6	2205.6	2216.8	2213.1	2190.7	2194.4	2179.5
5°	2216.8	2235.5	2224.3	2209.4	2190.7	2145.8	2130.9	2119.6	2089.7	2078.5	2089.7
7.5°	2235.5	2220.6	2213.1	2186.9	2112.2	2071.0	2018.7	1955.2	1910.3	1899.1	1910.3
10°	2231.8	2231.8	2198.1	2123.4	2052.4	1932.7	1865.4	1753.3	1689.7	1671.0	1674.8
12.5°	2216.8	2228.1	2175.7	2056.1	1921.5	1775.7	1652.4	1532.7	1420.6	1375.7	1368.2
15°	2231.8	2220.6	2127.1	1973.8	1786.9	1585.1	1405.6	1229.9	1125.2	1058.0	1043.0
17.5°	2209.4	2198.1	2063.6	1861.7	1611.2	1353.3	1129.0	938.3	833.7	807.5	807.5
20°	2235.5	2164.5	1988.8	1727.1	1428.0	1099.1	844.9	702.8	676.6	676.6	684.1
22.5°	2231.8	2157.0	1925.2	1596.3	1207.5	829.9	628.0	586.9	590.7	620.6	616.8
25°	2209.4	2142.1	1835.5	1450.5	975.7	624.3	519.6	508.4	534.6	568.2	564.5
27.5°	2205.6	2101.0	1753.3	1278.5	743.9	493.5	452.3	452.3	478.5	508.4	504.7
30°	2183.2	2067.3	1652.4	1084.1	560.8	429.9	415.0	415.0	426.2	441.1	441.1
32.5°	2179.5	2022.4	1540.2	882.3	448.6	388.8	381.3	385.0	385.0	392.5	388.8
35°	2149.6	1962.6	1424.3	684.1	388.8	366.4	358.9	355.1	355.1	351.4	351.4
37.5°	2138.3	1925.2	1304.7	530.8	362.6	347.7	340.2	329.0	325.2	325.2	321.5
40°	2149.6	1887.9	1188.8	429.9	340.2	332.7	321.5	306.5	302.8	302.8	302.8
42.5°	2190.7	1884.1	1069.2	373.8	329.0	317.8	302.8	287.9	284.1	287.9	284.1
45°	2284.1	1914.0	953.3	347.7	314.0	302.8	284.1	272.9	269.2	272.9	272.9
47.5°	2437.4	1996.3	848.6	332.7	302.8	287.9	269.2	257.9	257.9	257.9	257.9
50°	2691.6	2153.3	747.7	321.5	295.3	276.6	257.9	243.0	239.3	239.3	243.0
52.5°	3072.9	2422.5	665.4	314.0	284.1	261.7	243.0	231.8	224.3	220.6	224.3
55°	3532.7	2815.0	639.3	306.5	269.2	250.5	231.8	216.8	209.3	209.3	205.6
57.5°	4026.2	3248.6	684.1	299.1	257.9	235.5	216.8	201.9	194.4	190.7	190.7
60°	4560.8	3760.8	848.6	295.3	246.7	220.6	201.9	190.7	179.4	175.7	175.7
62.5°	5046.8	4224.3	1143.9	291.6	239.3	205.6	186.9	172.0	164.5	160.7	160.7
65°	5600.0	4740.2	1431.8	306.5	235.5	194.4	172.0	157.0	149.5	145.8	145.8
67.5°	6082.3	5188.8	1600.0	343.9	246.7	179.4	153.3	142.1	138.3	134.6	134.6
70°	6433.7	5327.1	1072.9	377.6	265.4	168.2	138.3	130.8	123.4	123.4	123.4
72.5°	5962.7	4755.2	635.5	355.1	250.5	157.0	123.4	115.9	112.2	112.2	108.4
75°	5099.1	4048.6	489.7	287.9	201.9	134.6	108.4	100.9	97.2	97.2	93.5
77.5°	3764.5	2901.0	362.6	228.0	157.0	108.4	93.5	89.7	86.0	82.2	82.2
80°	1472.9	1271.0	246.7	168.2	115.9	86.0	78.5	74.8	71.0	67.3	67.3
82.5°	456.1	385.0	142.1	112.2	82.2	67.3	63.6	59.8	56.1	52.3	52.3
85°	198.1	190.7	93.5	71.0	56.1	44.9	44.9	41.1	37.4	33.6	33.6
87.5°	97.2	93.5	52.3	33.6	29.9	22.4	22.4	18.7	15.0	15.0	15.0
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)