

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: P674977

Luminaire Tested: **CCW-SA-2E-735-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674977  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2E-735-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T3 distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

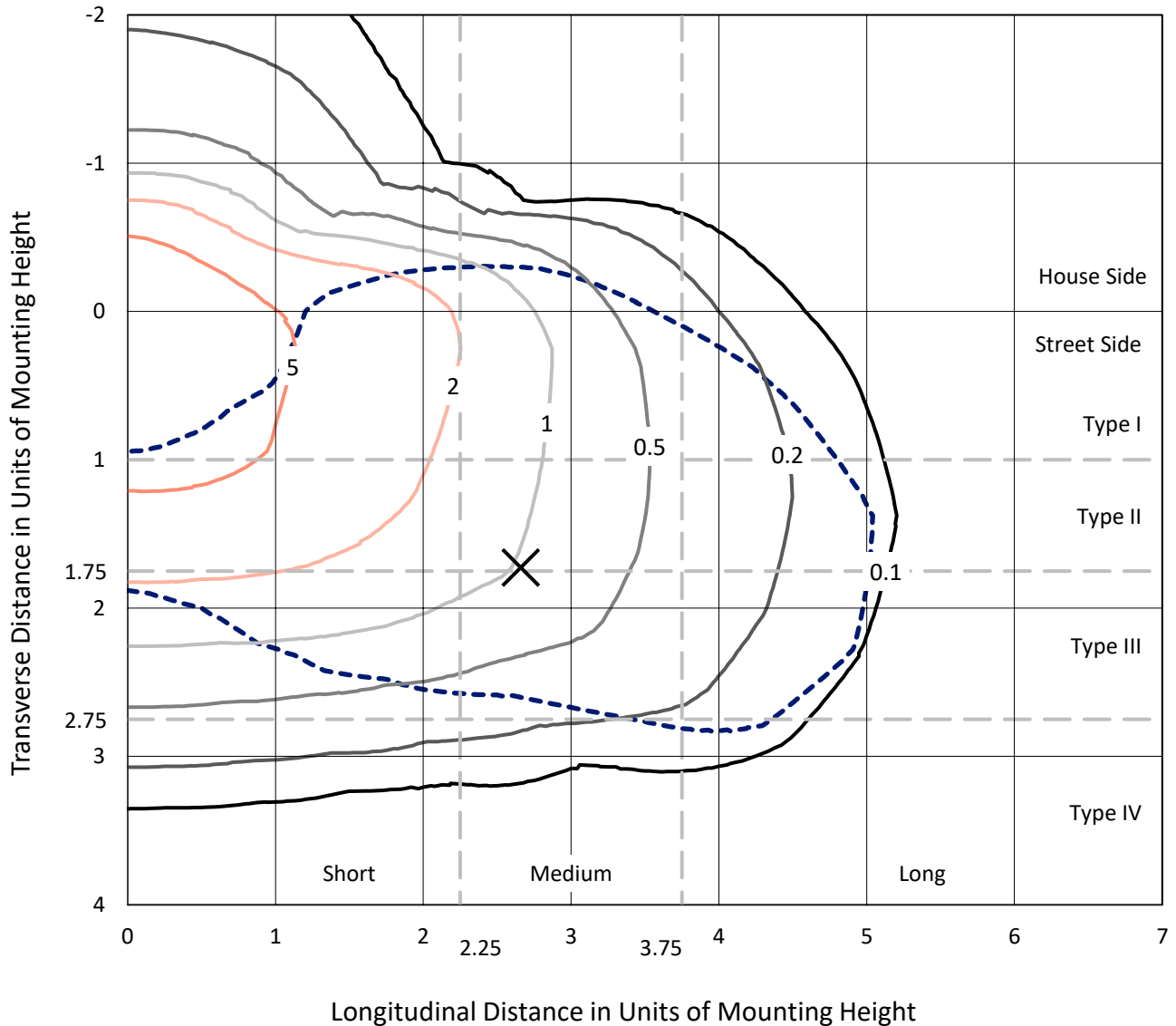
Lumens per Lamp: N/A  
Luminaire Lumens: 13625.8 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6  
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

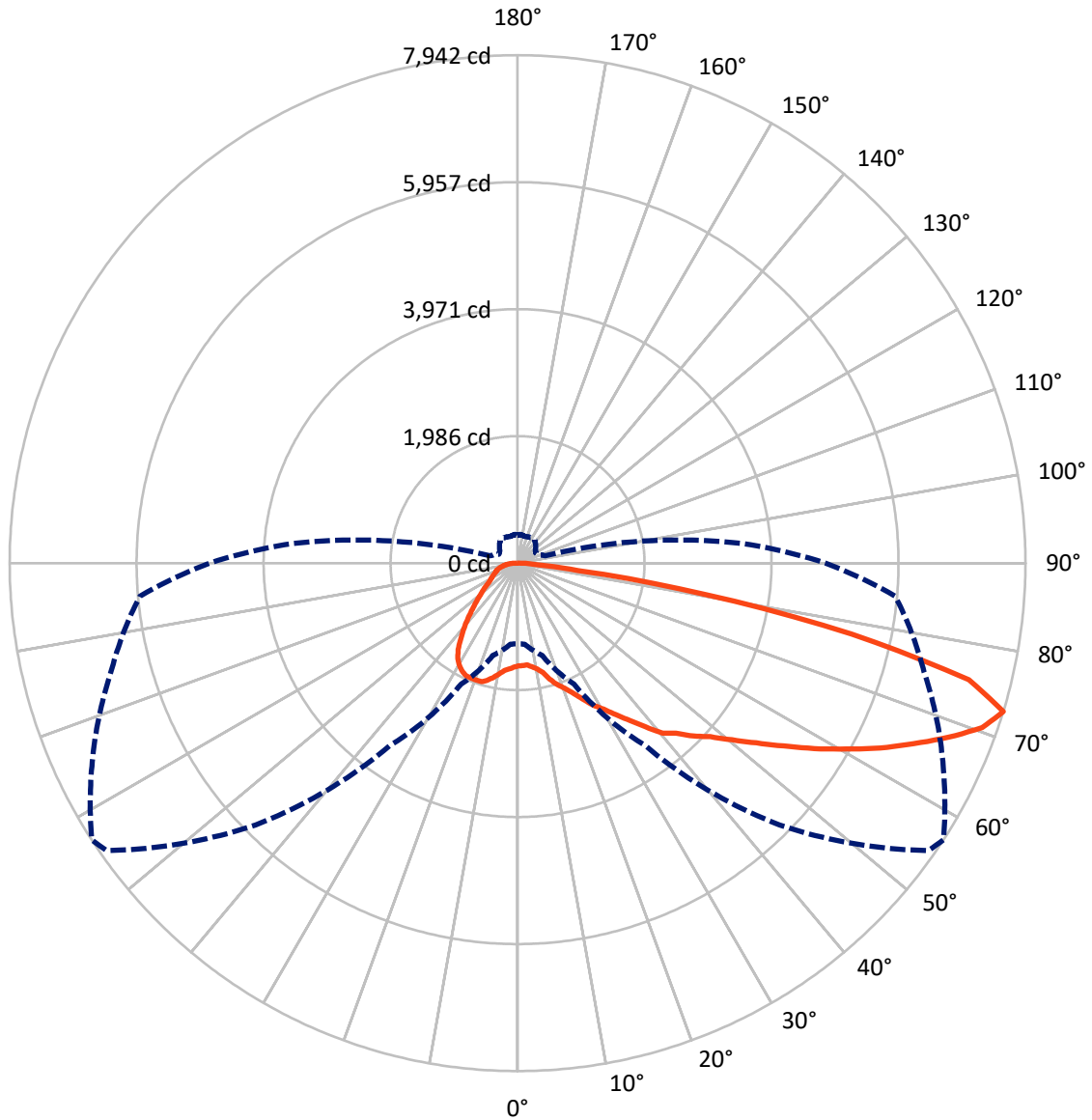
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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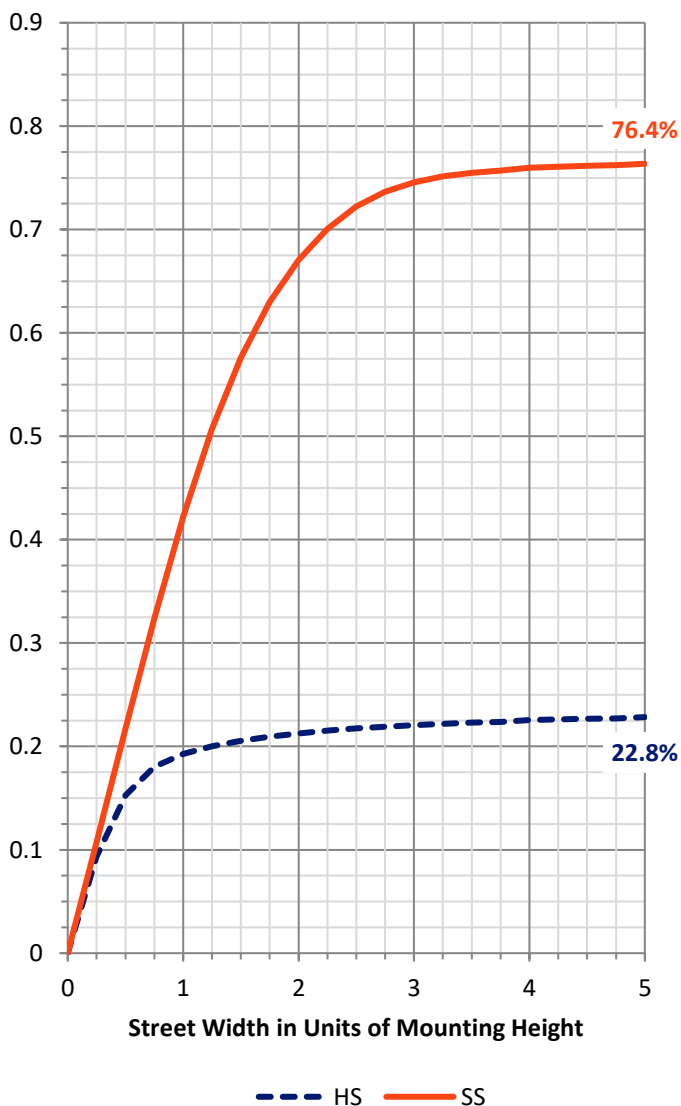
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3182.1	0.0	3182.1
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	10443.7	0.0	10443.7
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	13625.8	0.0	13625.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.6	1.2
10°-20°	538.0	3.9
20°-30°	983.5	7.2
30°-40°	1442.9	10.6
40°-50°	1986.7	14.6
50°-60°	2724.4	20.0
60°-70°	3284.1	24.1
70°-80°	2187.7	16.1
80°-90°	318.6	2.3
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°	13625.8	100.0
0°-180°	13625.8	100.0



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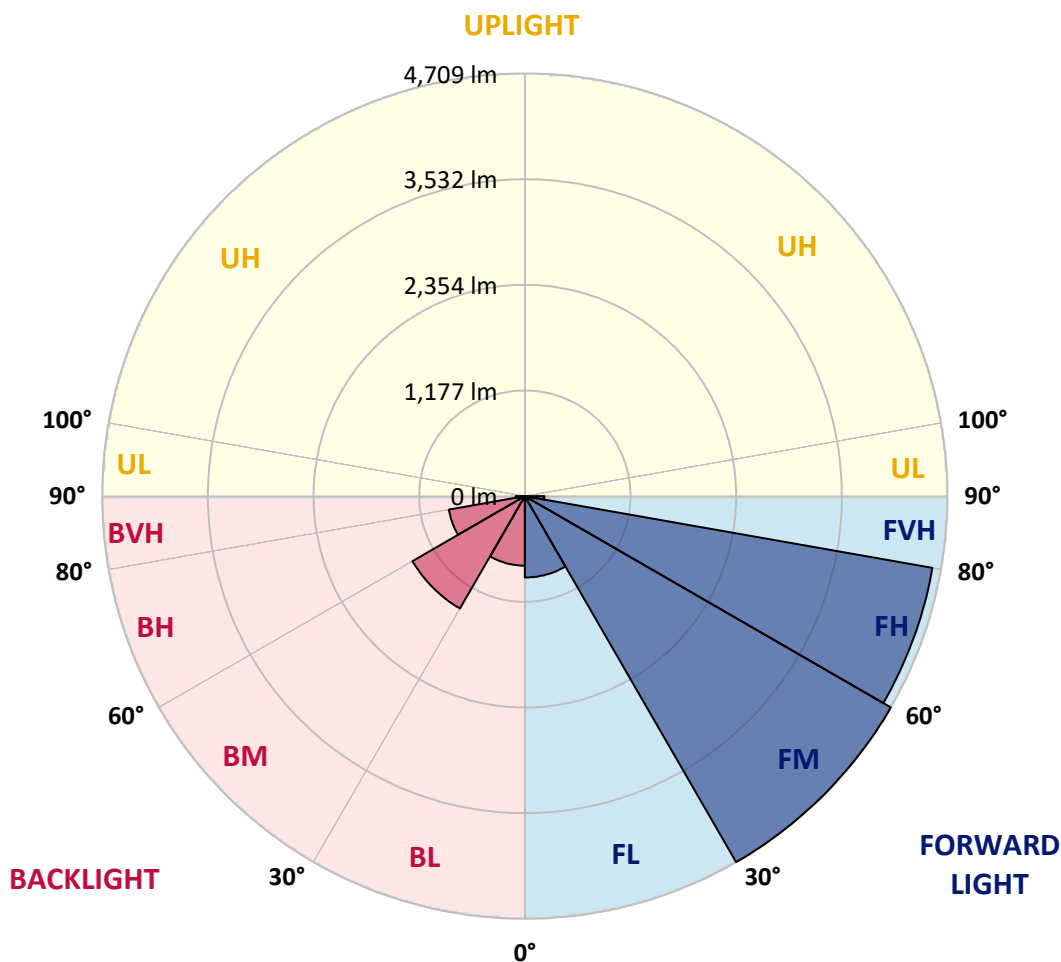
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	906.5	6.7			
FM (30°-60°)	4708.8	34.6			
FH (60°-80°)	4611.5	33.8			G2/5000
FVH (80°-90°)	217.0	1.6			G2/225
BL (0°-30°)	774.7	5.7	B2/1000		
BM (30°-60°)	1445.3	10.6	B2/2500		
BH (60°-80°)	860.4	6.3	B2/1000		G2/1000
BVH (80°-90°)	101.7	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3
2.5°	1578.5	1583.5	1593.4	1588.4	1588.4	1573.5	1598.3	1603.3	1593.4	1598.3	1608.3
5°	1578.5	1588.4	1603.3	1593.4	1598.3	1593.4	1583.5	1598.3	1598.3	1603.3	1618.2
7.5°	1662.9	1657.9	1657.9	1643.0	1638.1	1633.1	1638.1	1638.1	1628.1	1633.1	1633.1
10°	1757.2	1757.2	1747.3	1747.3	1737.3	1712.5	1687.7	1682.7	1667.8	1672.8	1672.8
12.5°	1856.5	1866.4	1876.3	1846.5	1836.6	1796.9	1782.0	1752.2	1752.2	1742.3	1737.3
15°	1980.6	1965.7	1975.6	1965.7	1940.9	1901.1	1876.3	1881.3	1846.5	1836.6	1821.7
17.5°	2089.8	2094.7	2079.8	2069.9	2025.2	1995.5	2000.4	1995.5	1950.8	1935.9	1911.1
20°	2218.8	2213.9	2213.9	2184.1	2144.4	2104.7	2089.8	2084.8	2094.7	2064.9	2005.4
22.5°	2352.8	2333.0	2333.0	2308.2	2253.6	2228.8	2218.8	2199.0	2208.9	2184.1	2094.7
25°	2462.1	2462.1	2496.8	2447.2	2417.4	2367.7	2347.9	2352.8	2357.8	2308.2	2203.9
27.5°	2606.0	2581.2	2615.9	2591.1	2576.2	2521.6	2496.8	2511.7	2501.8	2447.2	2303.2
30°	2789.7	2794.6	2774.8	2740.0	2720.2	2680.5	2665.6	2650.7	2665.6	2596.1	2412.4
32.5°	3018.0	3032.9	2983.3	2943.5	2908.8	2869.1	2839.3	2824.4	2839.3	2735.1	2496.8
35°	3281.1	3296.0	3256.3	3211.6	3171.9	3072.6	3047.8	3023.0	2968.4	2799.6	2576.2
37.5°	3524.3	3504.5	3494.5	3494.5	3420.1	3276.1	3261.2	3246.3	3142.1	2928.7	2685.4
40°	3688.1	3712.9	3703.0	3693.1	3683.2	3549.1	3519.3	3494.5	3320.8	3122.2	2839.3
42.5°	3871.8	3856.9	3896.6	3911.5	3876.7	3837.0	3717.9	3633.5	3479.6	3320.8	3067.6
45°	4090.2	4080.3	4095.1	4149.8	4100.1	4115.0	3916.5	3856.9	3663.3	3569.0	3355.5
47.5°	4283.8	4308.6	4383.1	4397.9	4358.2	4427.7	4149.8	4055.4	3931.3	3856.9	3653.4
50°	4368.2	4397.9	4566.7	4671.0	4675.9	4785.1	4383.1	4343.3	4174.6	4204.4	4025.7
52.5°	4298.7	4393.0	4596.5	4869.5	5038.3	5147.5	4690.8	4671.0	4517.1	4611.4	4432.7
55°	4363.2	4452.5	4586.6	4968.8	5395.7	5420.5	5117.7	5043.2	4889.4	5018.4	4854.6
57.5°	4393.0	4343.3	4596.5	5078.0	5658.8	5723.3	5524.7	5470.1	5351.0	5475.1	5380.8
60°	4159.7	4219.2	4457.5	5048.2	5673.6	6045.9	5981.4	5902.0	5792.8	5906.9	5852.3
62.5°	3896.6	3936.3	4194.4	4869.5	5758.0	6279.2	6423.2	6363.6	6209.7	6309.0	6403.3
65°	3564.0	3569.0	3856.9	4551.8	5594.2	6413.3	6810.4	6805.4	6696.2	6671.4	6820.3
67.5°	3157.0	3196.7	3425.0	4214.3	5370.9	6562.2	7192.6	7267.0	7048.6	6855.0	6909.6
70°	2422.3	2462.1	2680.5	3454.8	4914.2	6517.5	7664.1	7703.8	7277.0	6785.5	6646.6
72.5°	1260.8	1270.7	1494.1	2084.8	3484.6	5787.8	7837.9	7942.1	7336.5	6582.0	5926.8
75°	417.0	417.0	511.3	794.2	1643.0	3703.0	7098.3	7286.9	7043.7	6075.7	4849.6
77.5°	248.2	253.2	302.8	397.1	655.2	1479.2	5003.5	5336.1	5763.0	5167.3	3544.2
80°	178.7	183.7	228.3	273.0	392.1	476.5	2511.7	2973.3	3539.2	3325.8	1891.2
82.5°	134.0	134.0	178.7	203.5	268.0	282.9	699.9	958.0	1528.9	1191.3	521.2
85°	139.0	139.0	139.0	144.0	183.7	163.8	292.9	312.7	446.7	392.1	144.0
87.5°	49.6	54.6	139.0	94.3	94.3	69.5	114.2	124.1	158.8	163.8	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°	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3	1608.3
2.5°	1613.2	1613.2	1618.2	1618.2	1628.1	1638.1	1653.0	1643.0	1643.0	1648.0	1643.0
5°	1608.3	1613.2	1628.1	1653.0	1662.9	1667.8	1697.6	1697.6	1697.6	1707.6	1707.6
7.5°	1628.1	1638.1	1662.9	1687.7	1692.7	1707.6	1747.3	1757.2	1782.0	1791.9	1796.9
10°	1677.8	1692.7	1712.5	1742.3	1762.2	1782.0	1811.8	1846.5	1841.6	1871.4	1876.3
12.5°	1752.2	1747.3	1782.0	1811.8	1831.6	1861.4	1871.4	1871.4	1871.4	1871.4	1881.3
15°	1811.8	1821.7	1851.5	1871.4	1896.2	1891.2	1871.4	1851.5	1856.5	1851.5	1851.5
17.5°	1901.1	1901.1	1926.0	1930.9	1940.9	1891.2	1861.4	1861.4	1876.3	1876.3	1866.4
20°	1990.5	1985.5	1995.5	1990.5	1926.0	1866.4	1861.4	1866.4	1871.4	1866.4	1861.4
22.5°	2074.9	2064.9	2050.1	2030.2	1916.0	1861.4	1851.5	1826.7	1801.9	1801.9	1787.0
25°	2149.3	2139.4	2099.7	2040.1	1911.1	1831.6	1782.0	1722.4	1692.7	1677.8	1697.6
27.5°	2218.8	2199.0	2144.4	2040.1	1866.4	1752.2	1657.9	1583.5	1558.6	1538.8	1558.6
30°	2313.1	2278.4	2203.9	2025.2	1796.9	1628.1	1499.1	1409.7	1384.9	1355.1	1365.0
32.5°	2397.5	2318.1	2253.6	1980.6	1707.6	1489.1	1340.2	1250.9	1206.2	1181.4	1201.2
35°	2486.9	2407.5	2273.4	1911.1	1568.6	1320.4	1171.5	1087.1	1052.3	1017.6	1017.6
37.5°	2576.2	2531.5	2303.2	1782.0	1399.8	1161.5	1027.5	963.0	903.4	838.9	838.9
40°	2764.8	2705.3	2338.0	1633.1	1231.0	1007.7	913.3	829.0	769.4	680.0	675.1
42.5°	2963.4	2834.3	2338.0	1454.4	1082.1	898.5	809.1	719.8	610.5	555.9	560.9
45°	3216.6	3067.6	2273.4	1295.6	933.2	809.1	709.8	595.7	546.0	511.3	511.3
47.5°	3534.2	3300.9	2194.0	1121.8	814.1	729.7	605.6	536.1	501.3	471.6	466.6
50°	3911.5	3514.4	2094.7	972.9	714.8	655.2	551.0	496.4	466.6	446.7	446.7
52.5°	4308.6	3827.1	2025.2	838.9	635.4	555.9	511.3	476.5	451.7	436.8	431.9
55°	4710.7	4139.8	1975.6	694.9	560.9	511.3	501.3	471.6	461.6	446.7	436.8
57.5°	5162.4	4397.9	1965.7	595.7	501.3	491.4	511.3	486.5	471.6	456.7	441.8
60°	5648.8	4745.4	1876.3	516.2	471.6	481.5	496.4	471.6	461.6	446.7	436.8
62.5°	6130.3	5003.5	1633.1	456.7	441.8	451.7	471.6	451.7	436.8	441.8	446.7
65°	6328.9	5023.4	1265.8	412.0	407.0	412.0	441.8	436.8	421.9	451.7	451.7
67.5°	6130.3	4844.7	893.5	372.3	372.3	397.1	446.7	456.7	441.8	481.5	476.5
70°	5678.6	4402.9	605.6	347.5	357.4	421.9	461.6	451.7	431.9	481.5	471.6
72.5°	4819.9	3524.3	441.8	322.6	337.5	402.1	456.7	446.7	431.9	451.7	431.9
75°	3618.6	2506.7	347.5	292.9	297.8	362.4	471.6	446.7	407.0	397.1	382.2
77.5°	2417.4	1548.7	268.0	258.1	258.1	317.7	451.7	417.0	367.3	352.4	347.5
80°	1151.6	620.5	213.4	218.4	223.4	273.0	412.0	372.3	332.6	312.7	312.7
82.5°	367.3	233.3	178.7	178.7	178.7	223.4	342.5	312.7	287.9	273.0	248.2
85°	129.1	129.1	153.9	158.8	144.0	163.8	282.9	268.0	238.3	198.6	193.6
87.5°	49.6	74.5	104.2	124.1	89.3	114.2	203.5	188.6	173.7	129.1	124.1
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)