

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: P674833

Luminaire Tested: **CCW-SA-2E-735-U-T2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674833  
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-T2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T2 distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

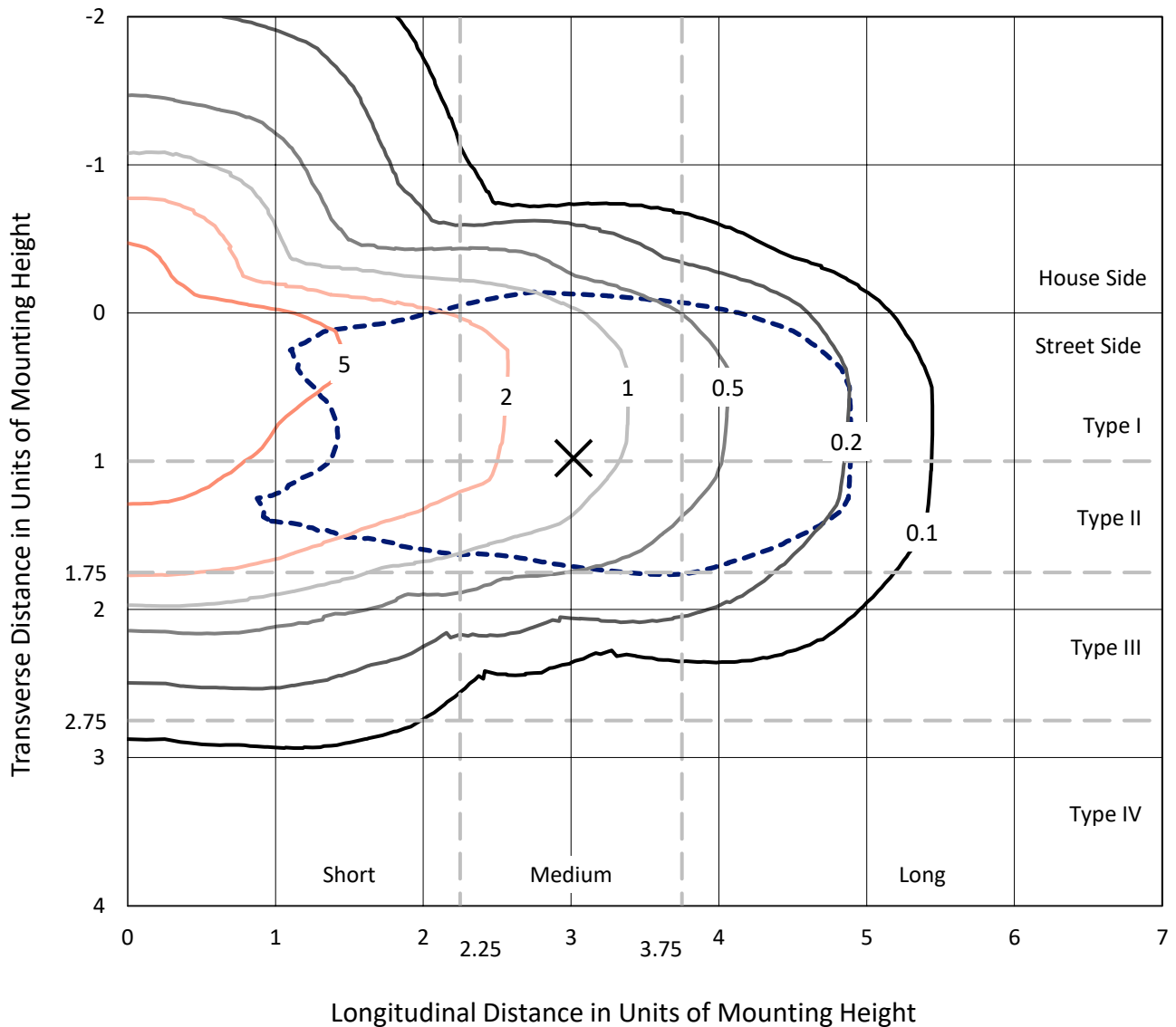
Lumens per Lamp: N/A  
Luminaire Lumens: 13452.1 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

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

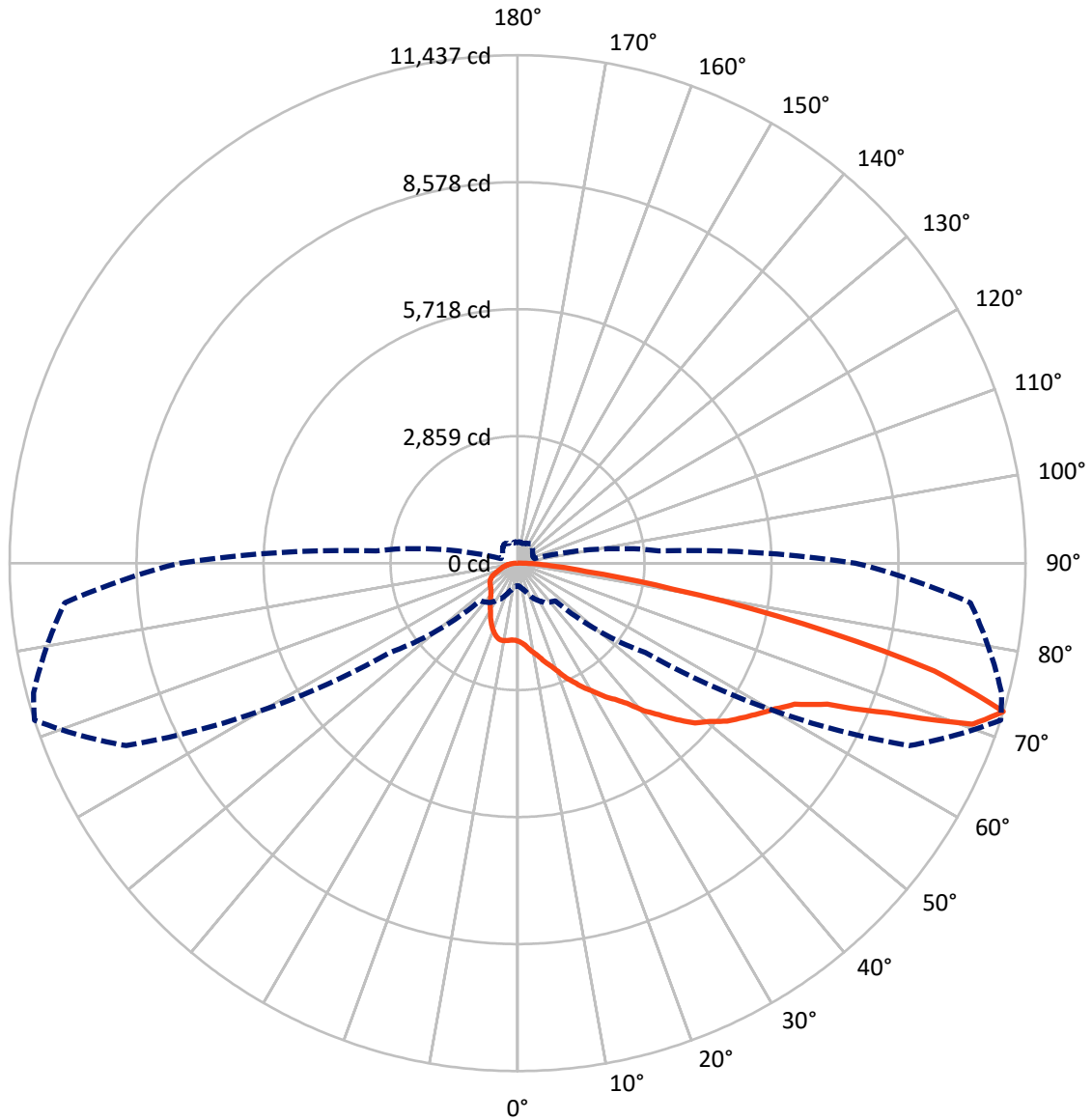
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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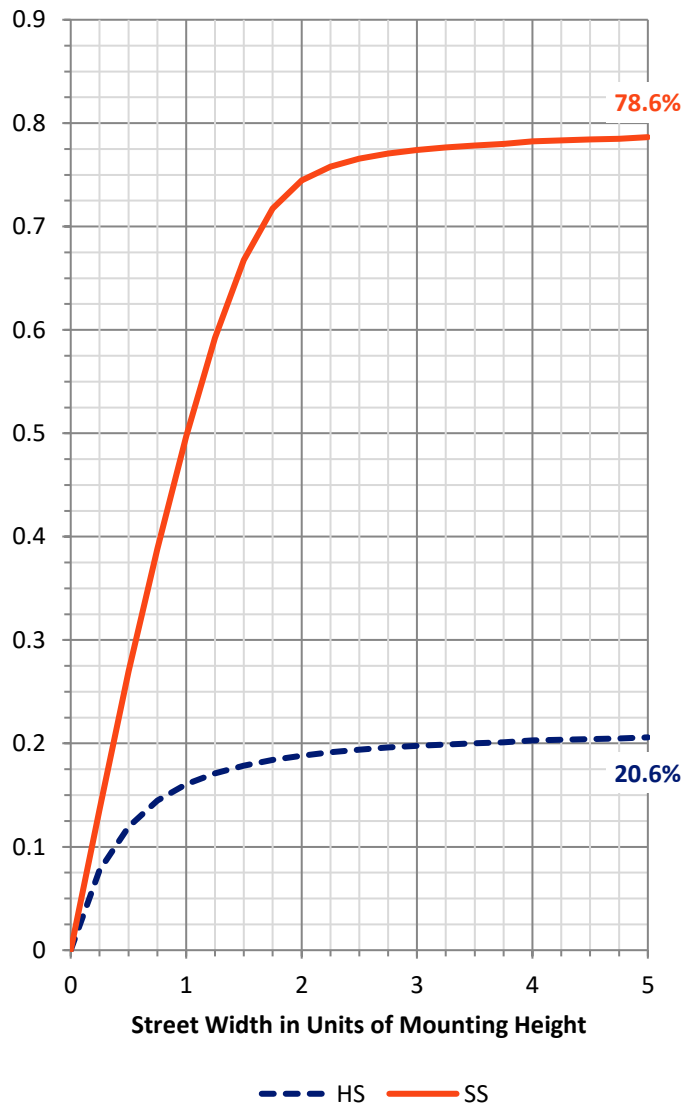
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2831.1	0.0	2831.1
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	10621.0	0.0	10621.0
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	13452.1	0.0	13452.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.7	1.3
10°-20°	539.8	4.0
20°-30°	934.1	6.9
30°-40°	1379.8	10.3
40°-50°	2051.9	15.3
50°-60°	2813.0	20.9
60°-70°	3051.2	22.7
70°-80°	2151.2	16.0
80°-90°	357.4	2.7
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°	13452.1	100.0
0°-180°	13452.1	100.0



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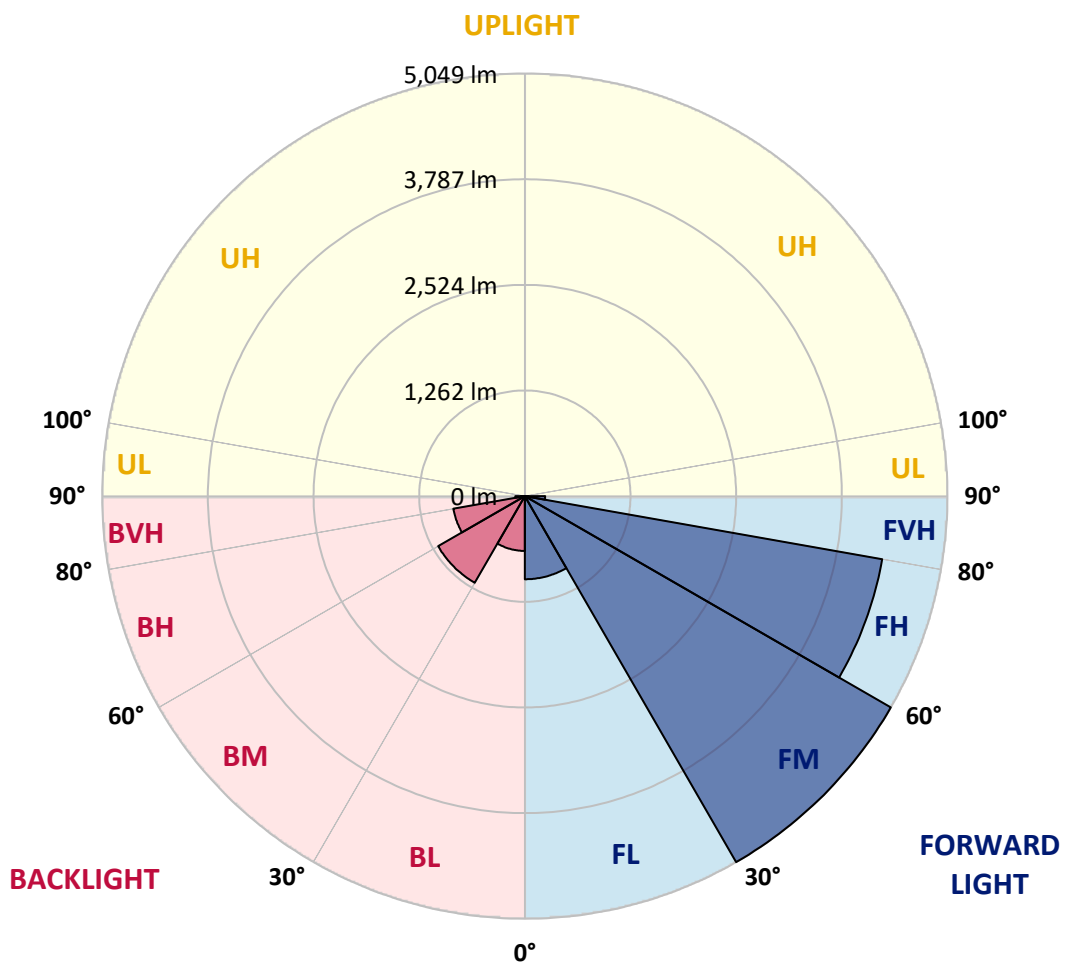
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	993.3	7.4			
FM (30°-60°)	5048.8	37.5			
FH (60°-80°)	4335.2	32.2			G2/5000
FVH (80°-90°)	243.7	1.8			G3/500
BL (0°-30°)	654.3	4.9	B2/1000		
BM (30°-60°)	1195.8	8.9	B2/2500		
BH (60°-80°)	867.2	6.4	B2/1000		G2/1000
BVH (80°-90°)	113.7	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2
2.5°	1896.2	1896.2	1881.3	1876.4	1876.4	1836.6	1841.6	1816.8	1796.9	1796.9	1777.1
5°	1995.5	1985.6	1985.6	1985.6	1960.7	1945.8	1940.9	1896.2	1861.5	1866.4	1806.9
7.5°	2020.3	2025.3	2030.2	2055.1	2040.2	2050.1	2040.2	1990.5	1965.7	1940.9	1886.3
10°	2035.2	2045.1	2045.1	2079.9	2079.9	2104.7	2119.6	2099.7	2055.1	2030.2	1940.9
12.5°	2069.9	2055.1	2074.9	2099.7	2124.5	2169.2	2213.9	2194.0	2164.3	2134.5	2035.2
15°	2069.9	2074.9	2089.8	2129.5	2169.2	2213.9	2293.3	2323.1	2308.2	2253.6	2149.4
17.5°	2010.4	1995.5	2065.0	2139.4	2213.9	2268.5	2372.7	2442.2	2432.3	2412.5	2253.6
20°	2015.3	2030.2	2055.1	2119.6	2238.7	2338.0	2467.1	2581.2	2606.0	2596.1	2392.6
22.5°	2104.7	2109.7	2134.5	2164.3	2258.6	2387.6	2581.2	2764.9	2809.6	2784.7	2546.5
25°	2194.0	2233.8	2233.8	2253.6	2288.4	2422.4	2655.7	2913.8	2978.3	2983.3	2705.3
27.5°	2338.0	2347.9	2377.7	2387.6	2417.4	2496.8	2740.1	3023.0	3171.9	3152.1	2849.3
30°	2506.8	2511.7	2531.6	2521.7	2526.6	2625.9	2819.5	3147.1	3350.6	3355.6	3003.2
32.5°	2705.3	2745.0	2755.0	2690.4	2700.4	2725.2	2943.6	3296.0	3574.0	3539.3	3137.2
35°	2998.2	3013.1	2983.3	2953.5	2879.1	2864.2	3072.6	3444.9	3767.6	3807.3	3335.7
37.5°	3360.6	3400.3	3360.6	3201.7	3122.3	3062.7	3231.5	3608.7	4000.9	4134.9	3534.3
40°	3698.1	3693.1	3653.4	3509.5	3370.5	3325.8	3459.8	3837.1	4363.3	4492.3	3822.2
42.5°	3971.1	3956.2	3931.4	3822.2	3693.1	3618.7	3722.9	4075.4	4666.1	4914.3	4154.8
45°	4209.4	4189.5	4194.5	4070.4	3946.3	3986.0	3986.0	4348.4	5023.5	5331.2	4537.0
47.5°	4432.8	4442.7	4427.8	4333.5	4239.2	4343.4	4288.8	4661.1	5375.9	5718.4	4859.6
50°	4690.9	4710.7	4661.1	4601.5	4517.1	4621.4	4551.9	4954.0	5604.2	6070.8	5246.8
52.5°	4934.1	4954.0	4998.6	4924.2	4839.8	4924.2	4765.3	5227.0	5907.0	6413.3	5544.7
55°	4993.7	4983.7	5231.9	5311.4	5356.0	5102.9	4954.0	5460.3	6145.3	6631.8	5882.2
57.5°	4720.7	4745.5	5083.0	5311.4	5787.9	5569.5	5167.4	5733.3	6393.5	6919.7	6194.9
60°	4040.6	4055.5	4477.4	5018.5	5713.4	6006.3	5743.2	6085.7	6666.5	7162.9	6547.4
62.5°	2700.4	2814.5	3340.7	4189.5	5187.3	6125.4	6661.5	6681.4	6999.1	7470.7	7028.9
65°	1424.6	1479.2	1891.2	2576.3	3931.4	5713.4	7525.3	7862.8	7664.2	8036.5	7723.8
67.5°	933.2	953.1	1176.4	1563.6	2268.5	4169.7	7624.5	9912.9	8999.5	9113.7	8835.7
70°	694.9	704.9	868.7	1156.6	1404.8	2228.8	6249.5	10870.9	10866.0	10563.2	10156.1
72.5°	511.3	526.2	640.3	883.6	1082.1	1201.3	3514.4	9724.3	11436.8	11282.9	10235.5
75°	402.1	412.0	471.6	685.0	873.6	789.3	1782.0	7202.6	9699.4	10439.1	9366.9
77.5°	327.6	337.5	372.3	496.4	699.9	610.6	853.8	4646.2	6577.2	7515.3	7167.9
80°	273.0	273.0	297.8	352.4	541.1	461.6	506.3	2611.0	3544.2	3911.5	3251.3
82.5°	233.3	228.3	248.2	258.1	402.1	332.6	327.6	1181.4	1558.7	1653.0	1221.1
85°	148.9	153.9	233.3	223.4	263.1	228.3	183.7	560.9	734.7	749.5	456.7
87.5°	59.6	59.6	99.3	124.1	148.9	139.0	89.4	253.2	322.7	322.7	129.1
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°	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2	1757.2
2.5°	1772.1	1752.3	1737.4	1727.4	1702.6	1677.8	1682.8	1677.8	1657.9	1648.0	1648.0
5°	1792.0	1772.1	1747.3	1707.6	1682.8	1653.0	1662.9	1643.0	1623.2	1638.1	1613.3
7.5°	1841.6	1806.9	1772.1	1712.5	1672.8	1628.2	1608.3	1598.4	1583.5	1573.6	1573.6
10°	1911.1	1861.5	1796.9	1707.6	1643.0	1573.6	1563.6	1543.8	1528.9	1528.9	1523.9
12.5°	1980.6	1926.0	1816.8	1672.8	1563.6	1514.0	1509.0	1514.0	1523.9	1528.9	1533.8
15°	2069.9	1980.6	1811.8	1608.3	1499.1	1479.2	1504.1	1523.9	1543.8	1563.6	1558.7
17.5°	2154.3	2050.1	1767.1	1528.9	1444.5	1449.5	1494.1	1533.8	1573.6	1593.4	1598.4
20°	2268.5	2114.6	1702.6	1434.6	1389.9	1434.6	1494.1	1543.8	1588.4	1613.3	1618.2
22.5°	2397.6	2189.1	1618.2	1350.2	1345.2	1389.9	1449.5	1523.9	1573.6	1618.2	1613.3
25°	2511.7	2238.7	1509.0	1280.7	1290.6	1320.4	1389.9	1469.3	1519.0	1568.6	1553.7
27.5°	2586.2	2248.6	1394.9	1231.0	1231.0	1260.8	1325.4	1375.0	1419.7	1459.4	1464.3
30°	2670.6	2228.8	1265.8	1166.5	1166.5	1206.2	1231.0	1260.8	1285.6	1295.6	1305.5
32.5°	2769.9	2184.1	1186.4	1116.9	1116.9	1146.7	1161.6	1151.6	1146.7	1121.8	1136.7
35°	2864.2	2119.6	1097.0	1052.3	1072.2	1087.1	1082.1	1052.3	1022.6	977.9	963.0
37.5°	2978.3	2055.1	1017.6	982.9	1017.6	1022.6	1022.6	987.8	948.1	893.5	893.5
40°	3152.1	2005.4	953.1	938.2	972.9	968.0	943.1	918.3	933.2	903.4	903.4
42.5°	3335.7	1985.6	893.5	898.5	913.4	918.3	893.5	863.7	923.3	888.5	893.5
45°	3564.1	2000.4	853.8	848.8	883.6	878.6	863.7	838.9	858.8	769.4	744.6
47.5°	3777.5	2030.2	833.9	814.1	853.8	863.7	843.9	789.3	759.5	704.9	694.9
50°	3971.1	2094.8	814.1	774.4	814.1	833.9	799.2	739.6	704.9	670.1	670.1
52.5°	4154.8	2189.1	804.2	729.7	764.4	789.3	769.4	709.8	670.1	655.2	640.3
55°	4343.4	2273.5	789.3	699.9	709.8	759.5	754.5	675.1	635.4	635.4	630.4
57.5°	4611.5	2387.6	769.4	650.3	670.1	724.7	724.7	660.2	615.5	620.5	625.5
60°	4884.5	2521.7	749.5	600.6	615.5	690.0	699.9	640.3	600.6	605.6	600.6
62.5°	5321.3	2769.9	709.8	541.1	570.8	645.3	670.1	615.5	580.8	590.7	590.7
65°	5981.5	3196.7	625.5	491.4	526.2	605.6	640.3	590.7	551.0	580.8	570.8
67.5°	7043.8	3782.5	526.2	451.7	496.4	565.9	605.6	560.9	526.2	570.8	556.0
70°	7996.8	4070.4	451.7	417.0	451.7	521.2	565.9	531.1	496.4	541.1	521.2
72.5°	7609.6	3191.8	392.1	377.3	412.0	471.6	526.2	491.4	456.7	481.5	461.6
75°	6567.2	2541.5	342.5	337.5	367.3	426.9	481.5	456.7	421.9	431.9	421.9
77.5°	4978.8	2099.7	292.9	287.9	312.7	382.2	431.9	412.0	377.3	372.3	372.3
80°	2223.8	1032.5	243.2	243.2	258.1	327.6	367.3	357.4	322.7	317.7	312.7
82.5°	729.7	392.1	198.6	188.6	208.5	273.0	327.6	317.7	282.9	273.0	263.1
85°	292.9	188.6	144.0	144.0	163.8	228.3	292.9	273.0	228.3	203.5	203.5
87.5°	99.3	79.4	74.5	74.5	104.2	153.9	218.4	183.7	163.8	144.0	148.9
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)