

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: P674800

Luminaire Tested: **CCW-SA-2E-722-U-T2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674800  
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-T2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T2 distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

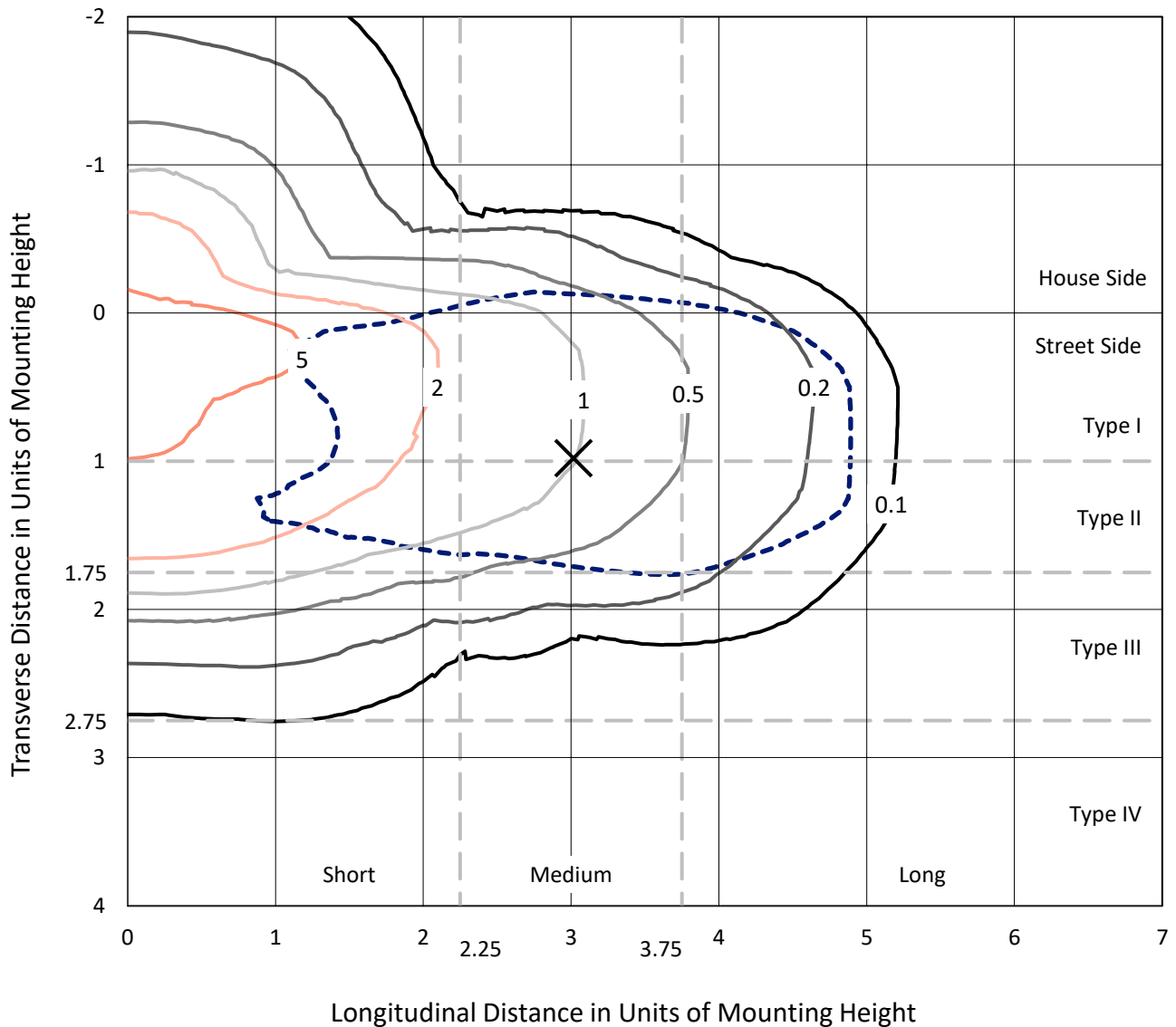
Lumens per Lamp: N/A  
Luminaire Lumens: 10046.5 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6  
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

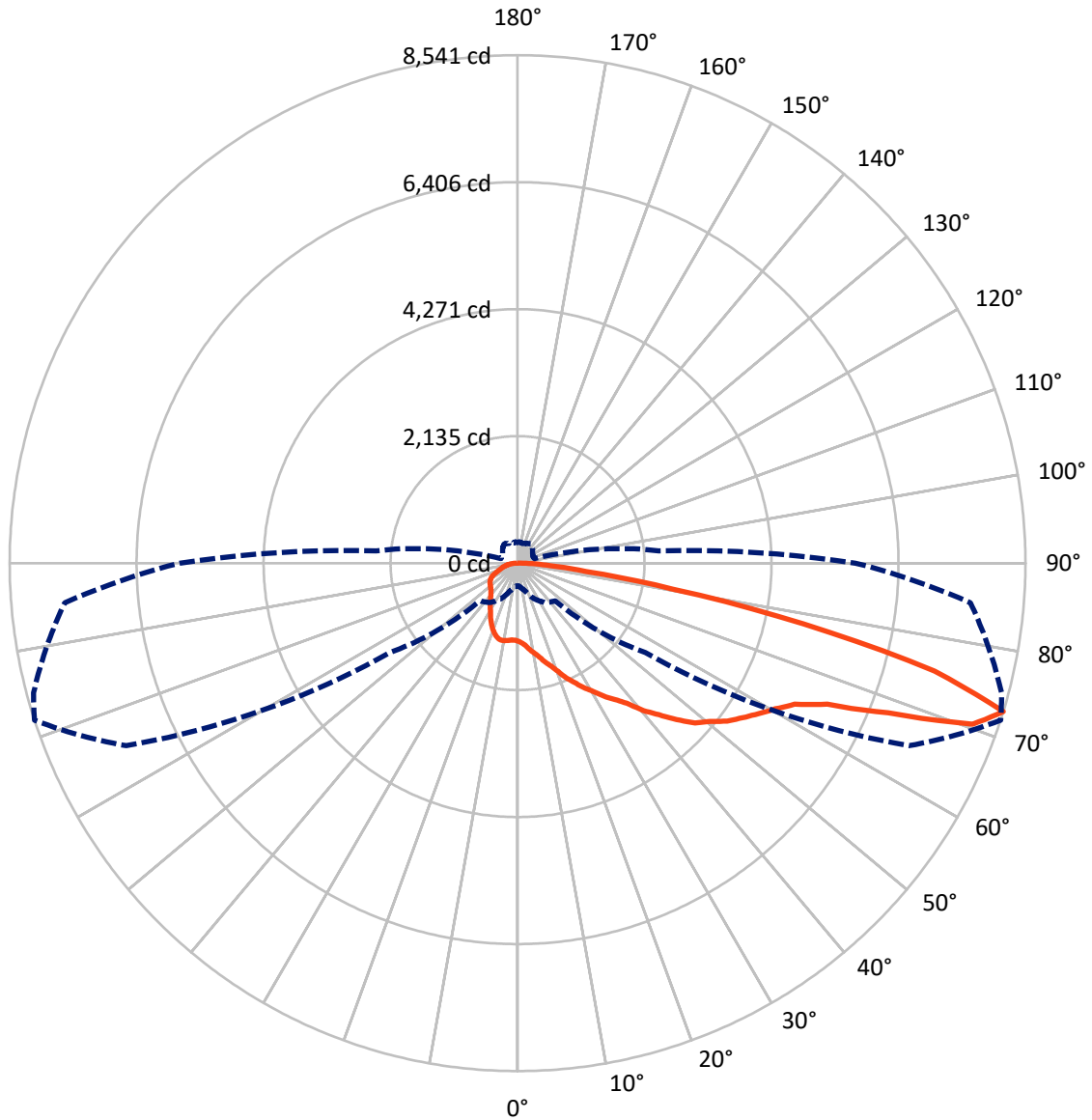
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 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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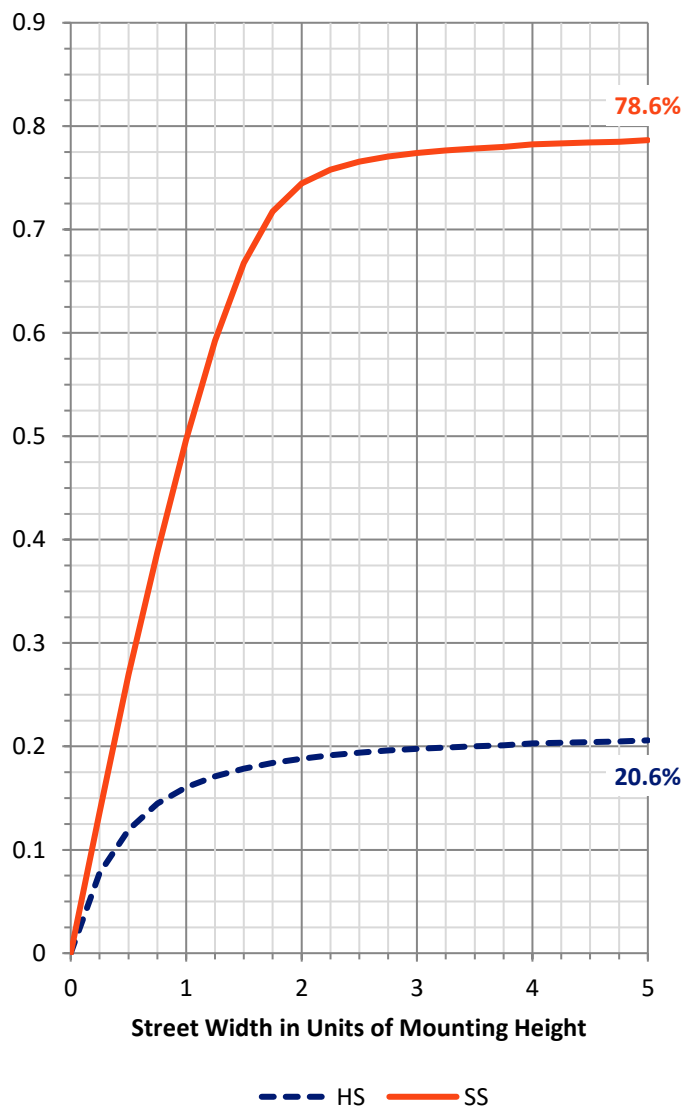
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2114.3	0.0	2114.3
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	7932.1	0.0	7932.1
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	10046.5	0.0	10046.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.7	1.3
10°-20°	403.2	4.0
20°-30°	697.6	6.9
30°-40°	1030.5	10.3
40°-50°	1532.4	15.3
50°-60°	2100.8	20.9
60°-70°	2278.8	22.7
70°-80°	1606.6	16.0
80°-90°	266.9	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°	10046.5	100.0
0°-180°	10046.5	100.0



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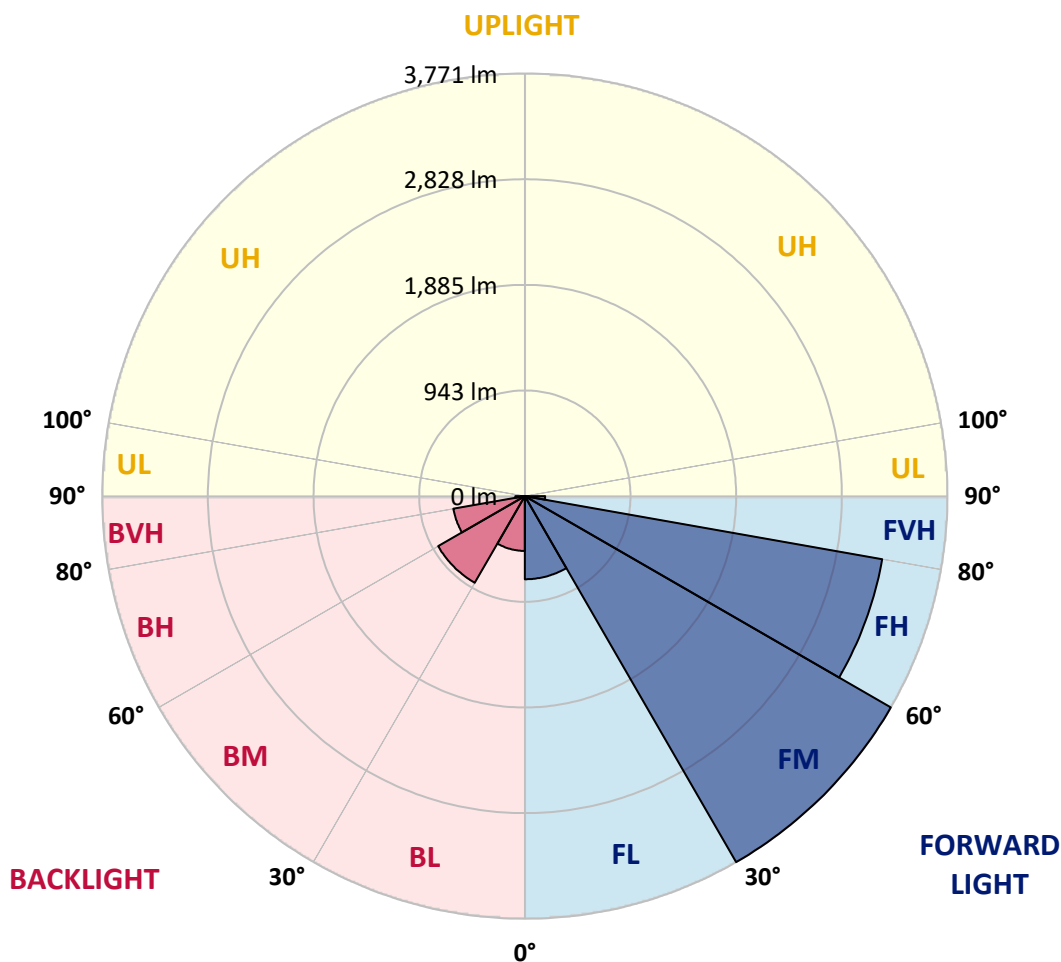
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	741.8	7.4			
FM (30°-60°)	3770.6	37.5			
FH (60°-80°)	3237.6	32.2			G2/5000
FVH (80°-90°)	182.0	1.8			G2/225
BL (0°-30°)	488.7	4.9	B1/500		
BM (30°-60°)	893.0	8.9	B1/1000		
BH (60°-80°)	647.7	6.4	B2/1000		G2/1000
BVH (80°-90°)	85.0	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3
2.5°	1416.1	1416.1	1405.0	1401.3	1401.3	1371.7	1375.4	1356.8	1342.0	1342.0	1327.2
5°	1490.3	1482.9	1482.9	1482.9	1464.3	1453.2	1449.5	1416.1	1390.2	1393.9	1349.4
7.5°	1508.8	1512.5	1516.2	1534.8	1523.7	1531.1	1523.7	1486.6	1468.0	1449.5	1408.7
10°	1519.9	1527.4	1527.4	1553.3	1553.3	1571.8	1583.0	1568.1	1534.8	1516.2	1449.5
12.5°	1545.9	1534.8	1549.6	1568.1	1586.7	1620.0	1653.4	1638.6	1616.3	1594.1	1519.9
15°	1545.9	1549.6	1560.7	1590.4	1620.0	1653.4	1712.7	1735.0	1723.8	1683.1	1605.2
17.5°	1501.4	1490.3	1542.2	1597.8	1653.4	1694.2	1772.0	1823.9	1816.5	1801.7	1683.1
20°	1505.1	1516.2	1534.8	1583.0	1671.9	1746.1	1842.5	1927.7	1946.3	1938.9	1786.9
22.5°	1571.8	1575.6	1594.1	1616.3	1686.8	1783.2	1927.7	2064.9	2098.3	2079.7	1901.8
25°	1638.6	1668.2	1668.2	1683.1	1709.0	1809.1	1983.3	2176.1	2224.3	2228.0	2020.4
27.5°	1746.1	1753.5	1775.7	1783.2	1805.4	1864.7	2046.4	2257.7	2368.9	2354.1	2127.9
30°	1872.1	1875.8	1890.7	1883.3	1887.0	1961.1	2105.7	2350.4	2502.4	2506.1	2242.9
32.5°	2020.4	2050.1	2057.5	2009.3	2016.7	2035.2	2198.4	2461.6	2669.2	2643.2	2342.9
35°	2239.1	2250.3	2228.0	2205.8	2150.2	2139.0	2294.8	2572.8	2813.8	2843.4	2491.2
37.5°	2509.8	2539.4	2509.8	2391.1	2331.8	2287.3	2413.4	2695.1	2988.0	3088.1	2639.5
40°	2761.9	2758.2	2728.5	2621.0	2517.2	2483.8	2583.9	2865.7	3258.6	3355.0	2854.5
42.5°	2965.8	2954.6	2936.1	2854.5	2758.2	2702.5	2780.4	3043.6	3484.8	3670.1	3102.9
45°	3143.7	3128.9	3132.6	3039.9	2947.2	2976.9	2976.9	3247.5	3751.7	3981.5	3388.4
47.5°	3310.5	3317.9	3306.8	3236.4	3165.9	3243.8	3203.0	3481.1	4014.9	4270.7	3629.3
50°	3503.3	3518.1	3481.1	3436.6	3373.5	3451.4	3399.5	3699.8	4185.4	4533.9	3918.5
52.5°	3684.9	3699.8	3733.1	3677.5	3614.5	3677.5	3558.9	3903.7	4411.6	4789.7	4140.9
55°	3729.4	3722.0	3907.4	3966.7	4000.1	3811.0	3699.8	4077.9	4589.5	4952.8	4393.0
57.5°	3525.5	3544.1	3796.2	3966.7	4322.6	4159.5	3859.2	4281.8	4774.9	5167.8	4626.6
60°	3017.7	3028.8	3343.9	3748.0	4267.0	4485.7	4289.2	4545.0	4978.8	5349.5	4889.8
62.5°	2016.7	2102.0	2494.9	3128.9	3874.0	4574.7	4975.1	4989.9	5227.1	5579.3	5249.4
65°	1064.0	1104.7	1412.4	1924.0	2936.1	4267.0	5620.1	5872.2	5723.9	6001.9	5768.4
67.5°	697.0	711.8	878.6	1167.8	1694.2	3114.0	5694.2	7403.3	6721.1	6806.4	6598.8
70°	519.0	526.4	648.8	863.8	1049.1	1664.5	4667.4	8118.7	8115.0	7888.9	7584.9
72.5°	381.8	393.0	478.2	659.9	808.2	897.1	2624.7	7262.4	8541.4	8426.4	7644.2
75°	300.3	307.7	352.2	511.6	652.5	589.4	1330.9	5379.1	7243.9	7796.2	6995.5
77.5°	244.7	252.1	278.0	370.7	522.7	456.0	637.6	3469.9	4912.0	5612.7	5353.2
80°	203.9	203.9	222.4	263.2	404.1	344.8	378.1	1950.0	2646.9	2921.3	2428.2
82.5°	174.2	170.5	185.4	192.8	300.3	248.4	244.7	882.3	1164.1	1234.5	912.0
85°	111.2	114.9	174.2	166.8	196.5	170.5	137.2	418.9	548.7	559.8	341.1
87.5°	44.5	44.5	74.1	92.7	111.2	103.8	66.7	189.1	241.0	241.0	96.4
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°	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3
2.5°	1323.5	1308.6	1297.5	1290.1	1271.6	1253.0	1256.7	1253.0	1238.2	1230.8	1230.8
5°	1338.3	1323.5	1304.9	1275.3	1256.7	1234.5	1241.9	1227.1	1212.3	1223.4	1204.8
7.5°	1375.4	1349.4	1323.5	1279.0	1249.3	1216.0	1201.1	1193.7	1182.6	1175.2	1175.2
10°	1427.3	1390.2	1342.0	1275.3	1227.1	1175.2	1167.8	1152.9	1141.8	1141.8	1138.1
12.5°	1479.2	1438.4	1356.8	1249.3	1167.8	1130.7	1127.0	1130.7	1138.1	1141.8	1145.5
15°	1545.9	1479.2	1353.1	1201.1	1119.6	1104.7	1123.3	1138.1	1152.9	1167.8	1164.1
17.5°	1608.9	1531.1	1319.8	1141.8	1078.8	1082.5	1115.9	1145.5	1175.2	1190.0	1193.7
20°	1694.2	1579.3	1271.6	1071.4	1038.0	1071.4	1115.9	1152.9	1186.3	1204.8	1208.5
22.5°	1790.6	1634.9	1208.5	1008.4	1004.6	1038.0	1082.5	1138.1	1175.2	1208.5	1204.8
25°	1875.8	1671.9	1127.0	956.5	963.9	986.1	1038.0	1097.3	1134.4	1171.5	1160.4
27.5°	1931.4	1679.4	1041.7	919.4	919.4	941.6	989.8	1026.9	1060.3	1089.9	1093.6
30°	1994.5	1664.5	945.3	871.2	871.2	900.8	919.4	941.6	960.2	967.6	975.0
32.5°	2068.6	1631.2	886.0	834.1	834.1	856.4	867.5	860.1	856.4	837.8	848.9
35°	2139.0	1583.0	819.3	785.9	800.8	811.9	808.2	785.9	763.7	730.3	719.2
37.5°	2224.3	1534.8	760.0	734.0	760.0	763.7	763.7	737.7	708.1	667.3	667.3
40°	2354.1	1497.7	711.8	700.7	726.6	722.9	704.4	685.8	697.0	674.7	674.7
42.5°	2491.2	1482.9	667.3	671.0	682.1	685.8	667.3	645.1	689.5	663.6	667.3
45°	2661.8	1494.0	637.6	633.9	659.9	656.2	645.1	626.5	641.3	574.6	556.1
47.5°	2821.2	1516.2	622.8	608.0	637.6	645.1	630.2	589.4	567.2	526.4	519.0
50°	2965.8	1564.4	608.0	578.3	608.0	622.8	596.9	552.4	526.4	500.5	500.5
52.5°	3102.9	1634.9	600.6	545.0	570.9	589.4	574.6	530.1	500.5	489.3	478.2
55°	3243.8	1697.9	589.4	522.7	530.1	567.2	563.5	504.2	474.5	474.5	470.8
57.5°	3444.0	1783.2	574.6	485.6	500.5	541.2	541.2	493.1	459.7	463.4	467.1
60°	3647.9	1883.3	559.8	448.6	459.7	515.3	522.7	478.2	448.6	452.3	448.6
62.5°	3974.1	2068.6	530.1	404.1	426.3	481.9	500.5	459.7	433.7	441.2	441.2
65°	4467.2	2387.4	467.1	367.0	393.0	452.3	478.2	441.2	411.5	433.7	426.3
67.5°	5260.5	2824.9	393.0	337.4	370.7	422.6	452.3	418.9	393.0	426.3	415.2
70°	5972.3	3039.9	337.4	311.4	337.4	389.3	422.6	396.7	370.7	404.1	389.3
72.5°	5683.1	2383.7	292.9	281.7	307.7	352.2	393.0	367.0	341.1	359.6	344.8
75°	4904.6	1898.1	255.8	252.1	274.3	318.8	359.6	341.1	315.1	322.5	315.1
77.5°	3718.3	1568.1	218.7	215.0	233.6	285.5	322.5	307.7	281.7	278.0	278.0
80°	1660.8	771.1	181.7	181.7	192.8	244.7	274.3	266.9	241.0	237.3	233.6
82.5°	545.0	292.9	148.3	140.9	155.7	203.9	244.7	237.3	211.3	203.9	196.5
85°	218.7	140.9	107.5	107.5	122.3	170.5	218.7	203.9	170.5	152.0	152.0
87.5°	74.1	59.3	55.6	55.6	77.9	114.9	163.1	137.2	122.3	107.5	111.2
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)