

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: P670685

Luminaire Tested: **CCP-SA-1E-750-U-T2**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670685  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-750-U-T2  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2 distribution lens  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

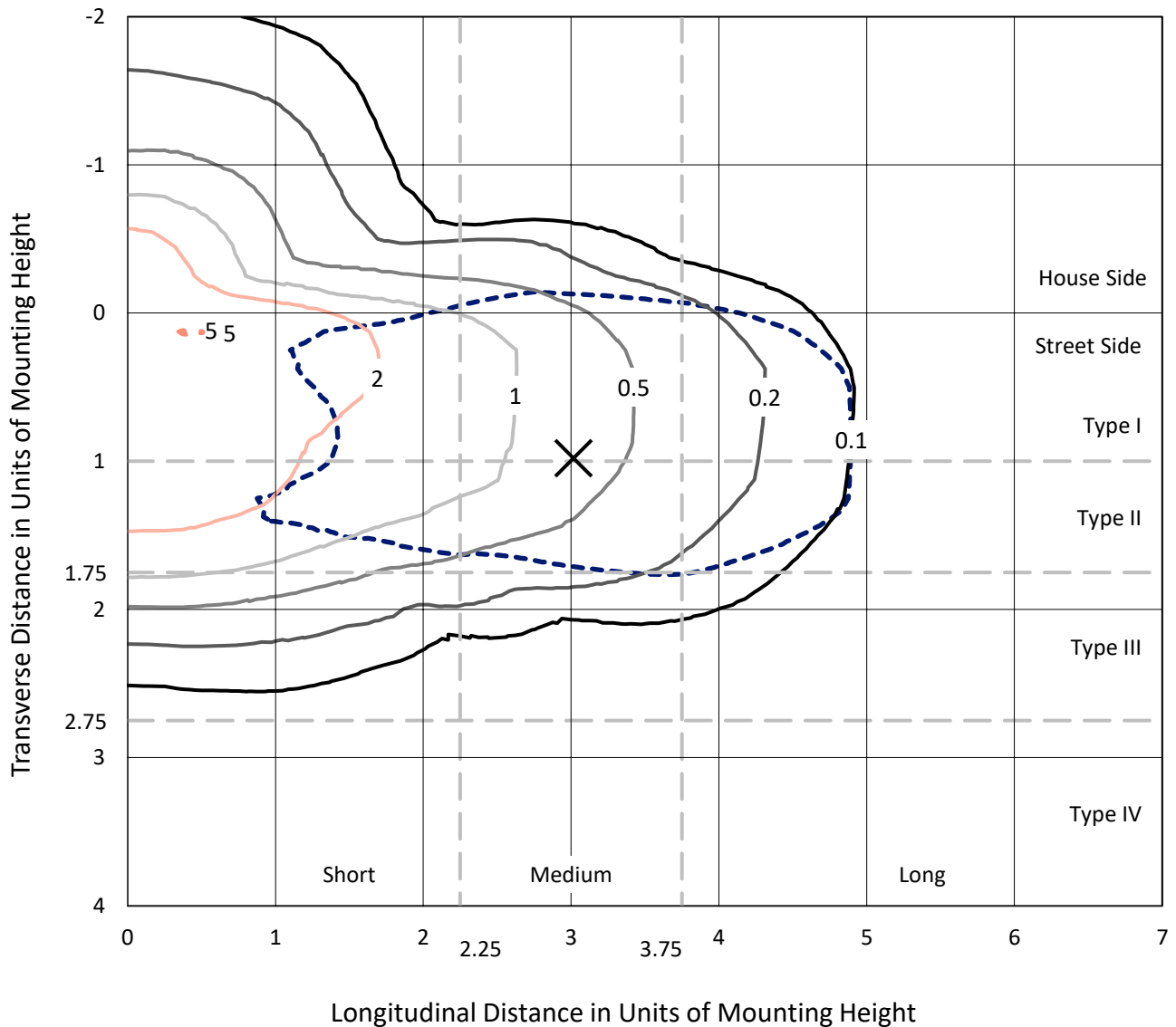
Lumens per Lamp: N/A  
Luminaire Lumens: 6976.2 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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

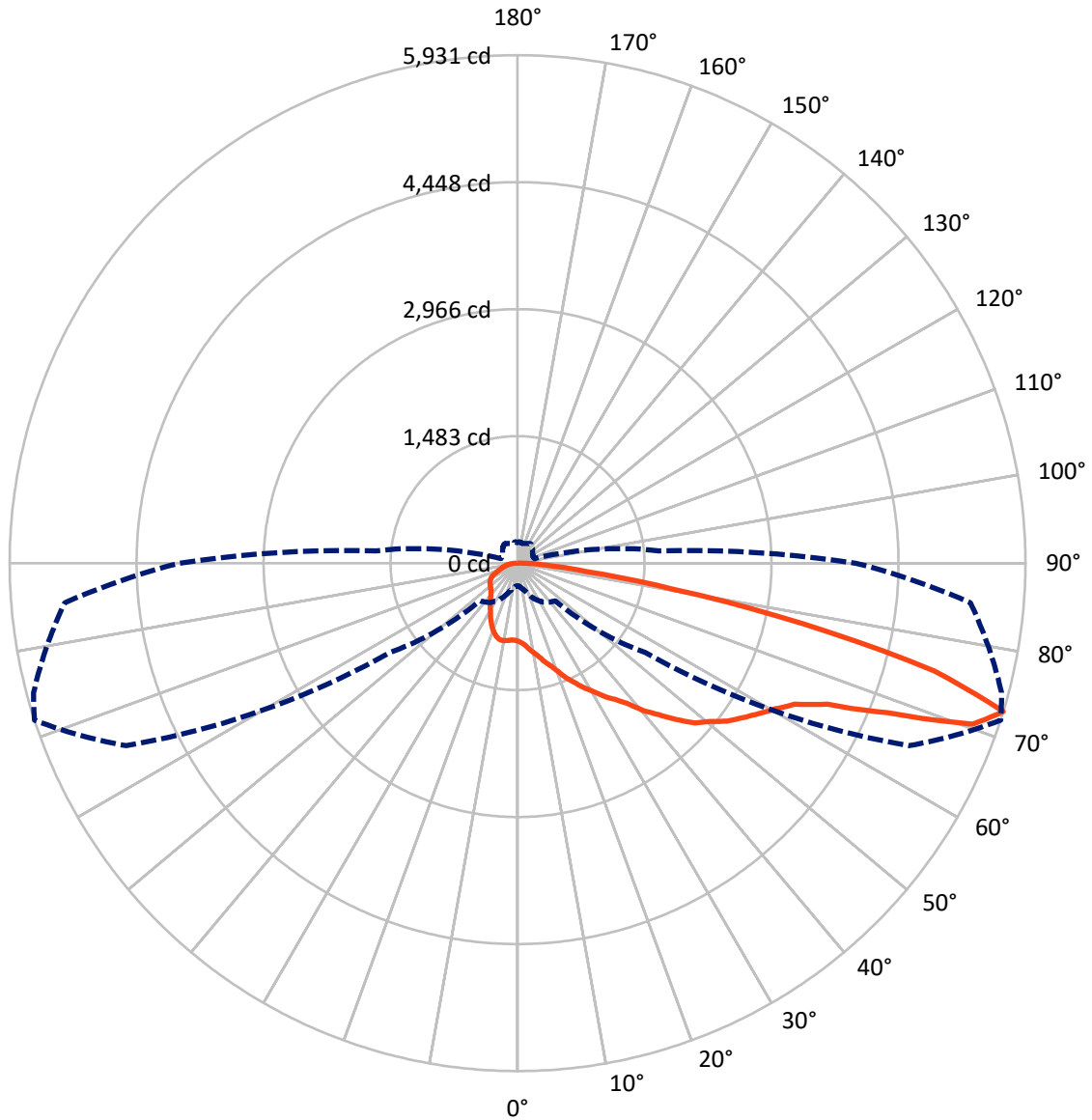
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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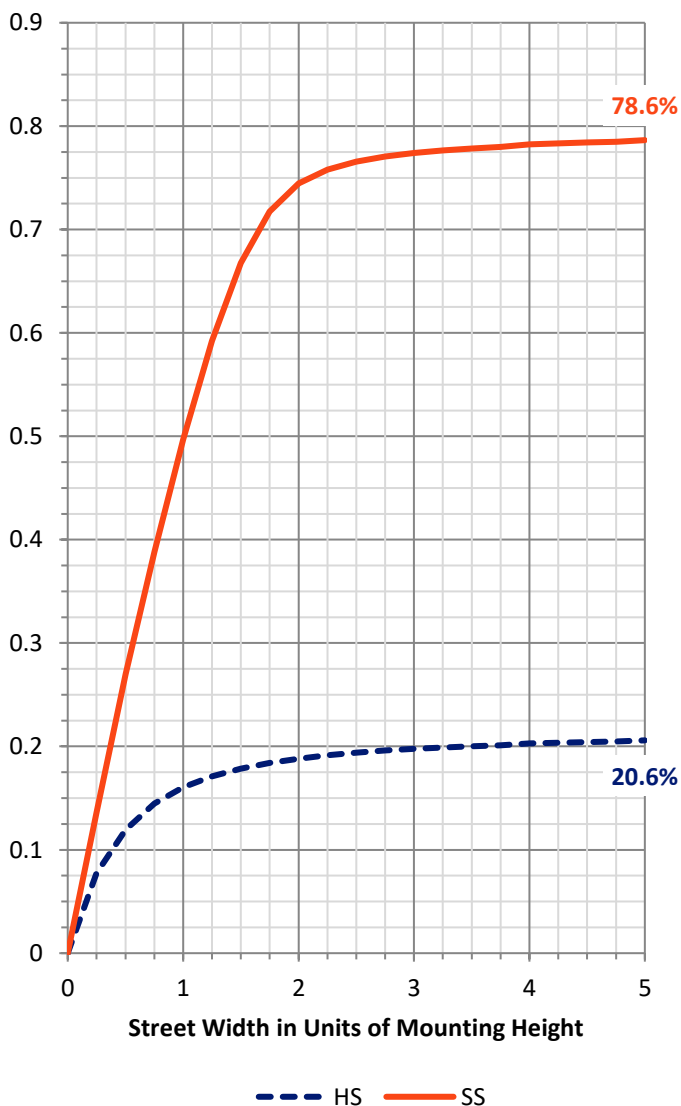
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1468.2	0.0	1468.2
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	5508.0	0.0	5508.0
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	6976.2	0.0	6976.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	1.3
10°-20°	280.0	4.0
20°-30°	484.4	6.9
30°-40°	715.5	10.3
40°-50°	1064.1	15.3
50°-60°	1458.8	20.9
60°-70°	1582.3	22.7
70°-80°	1115.6	16.0
80°-90°	185.4	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°	6976.2	100.0
0°-180°	6976.2	100.0

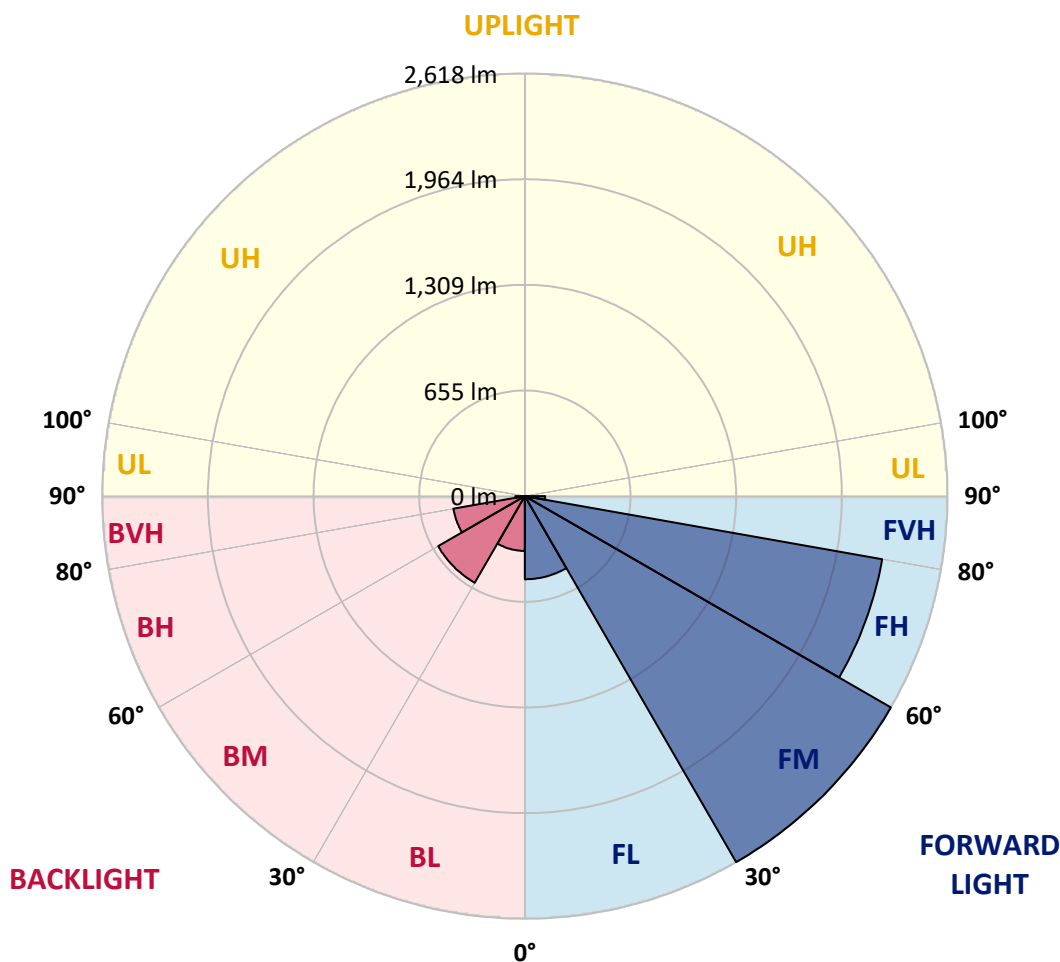


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	515.1	7.4			
FM (30°-60°)	2618.3	37.5			
FH (60°-80°)	2248.2	32.2			G2/5000
FVH (80°-90°)	126.4	1.8			G2/225
BL (0°-30°)	339.3	4.9	B1/500		
BM (30°-60°)	620.1	8.9	B1/1000		
BH (60°-80°)	449.7	6.4	B1/500		G1/500
BVH (80°-90°)	59.0	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3
2.5°	983.4	983.4	975.6	973.1	973.1	952.5	955.0	942.2	931.9	931.9	921.6
5°	1034.8	1029.7	1029.7	1029.7	1016.8	1009.1	1006.5	983.4	965.3	967.9	937.0
7.5°	1047.7	1050.3	1052.9	1065.7	1058.0	1063.2	1058.0	1032.3	1019.4	1006.5	978.2
10°	1055.4	1060.6	1060.6	1078.6	1078.6	1091.5	1099.2	1088.9	1065.7	1052.9	1006.5
12.5°	1073.5	1065.7	1076.0	1088.9	1101.8	1124.9	1148.1	1137.8	1122.4	1106.9	1055.4
15°	1073.5	1076.0	1083.8	1104.3	1124.9	1148.1	1189.3	1204.7	1197.0	1168.7	1114.6
17.5°	1042.6	1034.8	1070.9	1109.5	1148.1	1176.4	1230.5	1266.5	1261.4	1251.1	1168.7
20°	1045.1	1052.9	1065.7	1099.2	1161.0	1212.5	1279.4	1338.6	1351.5	1346.3	1240.8
22.5°	1091.5	1094.1	1106.9	1122.4	1171.3	1238.2	1338.6	1433.8	1457.0	1444.1	1320.6
25°	1137.8	1158.4	1158.4	1168.7	1186.7	1256.2	1377.2	1511.1	1544.5	1547.1	1403.0
27.5°	1212.5	1217.6	1233.1	1238.2	1253.7	1294.8	1421.0	1567.7	1644.9	1634.6	1477.6
30°	1300.0	1302.6	1312.9	1307.7	1310.3	1361.8	1462.2	1632.1	1737.6	1740.2	1557.4
32.5°	1403.0	1423.6	1428.7	1395.2	1400.4	1413.3	1526.5	1709.3	1853.4	1835.4	1626.9
35°	1554.8	1562.6	1547.1	1531.7	1493.1	1485.3	1593.5	1786.5	1953.8	1974.4	1729.9
37.5°	1742.8	1763.4	1742.8	1660.4	1619.2	1588.3	1675.8	1871.5	2074.8	2144.3	1832.9
40°	1917.8	1915.2	1894.6	1820.0	1747.9	1724.7	1794.2	1989.9	2262.8	2329.7	1982.2
42.5°	2059.4	2051.7	2038.8	1982.2	1915.2	1876.6	1930.7	2113.4	2419.8	2548.5	2154.6
45°	2183.0	2172.7	2175.2	2110.9	2046.5	2067.1	2067.1	2255.0	2605.1	2764.7	2352.9
47.5°	2298.8	2303.9	2296.2	2247.3	2198.4	2252.5	2224.1	2417.2	2787.9	2965.5	2520.2
50°	2432.7	2442.9	2417.2	2386.3	2342.6	2396.6	2360.6	2569.1	2906.3	3148.3	2721.0
52.5°	2558.8	2569.1	2592.3	2553.6	2509.9	2553.6	2471.3	2710.7	3063.3	3325.9	2875.4
55°	2589.7	2584.5	2713.2	2754.4	2777.6	2646.3	2569.1	2831.7	3186.9	3439.2	3050.5
57.5°	2448.1	2461.0	2636.0	2754.4	3001.6	2888.3	2679.8	2973.2	3315.6	3588.5	3212.6
60°	2095.4	2103.2	2322.0	2602.6	2962.9	3114.8	2978.4	3156.0	3457.2	3714.6	3395.4
62.5°	1400.4	1459.6	1732.5	2172.7	2690.1	3176.6	3454.6	3464.9	3629.7	3874.2	3645.1
65°	738.8	767.1	980.8	1336.0	2038.8	2962.9	3902.5	4077.6	3974.6	4167.7	4005.5
67.5°	484.0	494.3	610.1	810.9	1176.4	2162.4	3954.0	5140.7	4667.1	4726.3	4582.1
70°	360.4	365.5	450.5	599.8	728.5	1155.8	3241.0	5637.6	5635.0	5478.0	5266.9
72.5°	265.1	272.9	332.1	458.2	561.2	623.0	1822.6	5042.9	5931.0	5851.2	5308.1
75°	208.5	213.7	244.6	355.2	453.1	409.3	924.2	3735.2	5030.1	5413.6	4857.6
77.5°	169.9	175.0	193.1	257.4	363.0	316.6	442.8	2409.5	3410.9	3897.4	3717.2
80°	141.6	141.6	154.5	182.8	280.6	239.4	262.6	1354.0	1838.0	2028.5	1686.1
82.5°	121.0	118.4	128.7	133.9	208.5	172.5	169.9	612.7	808.3	857.2	633.3
85°	77.2	79.8	121.0	115.8	136.4	118.4	95.2	290.9	381.0	388.7	236.8
87.5°	30.9	30.9	51.5	64.4	77.2	72.1	46.3	131.3	167.3	167.3	66.9
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°	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3
2.5°	919.0	908.7	901.0	895.8	883.0	870.1	872.7	870.1	859.8	854.6	854.6
5°	929.3	919.0	906.1	885.5	872.7	857.2	862.4	852.1	841.8	849.5	836.6
7.5°	955.0	937.0	919.0	888.1	867.5	844.3	834.1	828.9	821.2	816.0	816.0
10°	991.1	965.3	931.9	885.5	852.1	816.0	810.9	800.6	792.9	792.9	790.3
12.5°	1027.1	998.8	942.2	867.5	810.9	785.1	782.6	785.1	790.3	792.9	795.4
15°	1073.5	1027.1	939.6	834.1	777.4	767.1	780.0	790.3	800.6	810.9	808.3
17.5°	1117.2	1063.2	916.4	792.9	749.1	751.7	774.8	795.4	816.0	826.3	828.9
20°	1176.4	1096.6	883.0	744.0	720.8	744.0	774.8	800.6	823.8	836.6	839.2
22.5°	1243.4	1135.2	839.2	700.2	697.6	720.8	751.7	790.3	816.0	839.2	836.6
25°	1302.6	1161.0	782.6	664.2	669.3	684.7	720.8	762.0	787.7	813.5	805.7
27.5°	1341.2	1166.1	723.4	638.4	638.4	653.9	687.3	713.1	736.2	756.8	759.4
30°	1384.9	1155.8	656.4	604.9	604.9	625.5	638.4	653.9	666.7	671.9	677.0
32.5°	1436.4	1132.7	615.2	579.2	579.2	594.6	602.4	597.2	594.6	581.8	589.5
35°	1485.3	1099.2	568.9	545.7	556.0	563.8	561.2	545.7	530.3	507.1	499.4
37.5°	1544.5	1065.7	527.7	509.7	527.7	530.3	530.3	512.3	491.7	463.4	463.4
40°	1634.6	1040.0	494.3	486.5	504.6	502.0	489.1	476.2	484.0	468.5	468.5
42.5°	1729.9	1029.7	463.4	465.9	473.7	476.2	463.4	447.9	478.8	460.8	463.4
45°	1848.3	1037.4	442.8	440.2	458.2	455.6	447.9	435.0	445.3	399.0	386.1
47.5°	1959.0	1052.9	432.5	422.2	442.8	447.9	437.6	409.3	393.9	365.5	360.4
50°	2059.4	1086.3	422.2	401.6	422.2	432.5	414.5	383.6	365.5	347.5	347.5
52.5°	2154.6	1135.2	417.0	378.4	396.4	409.3	399.0	368.1	347.5	339.8	332.1
55°	2252.5	1179.0	409.3	363.0	368.1	393.9	391.3	350.1	329.5	329.5	326.9
57.5°	2391.5	1238.2	399.0	337.2	347.5	375.8	375.8	342.4	319.2	321.8	324.4
60°	2533.0	1307.7	388.7	311.5	319.2	357.8	363.0	332.1	311.5	314.1	311.5
62.5°	2759.6	1436.4	368.1	280.6	296.0	334.7	347.5	319.2	301.2	306.3	306.3
65°	3102.0	1657.8	324.4	254.8	272.9	314.1	332.1	306.3	285.7	301.2	296.0
67.5°	3652.8	1961.6	272.9	234.3	257.4	293.5	314.1	290.9	272.9	296.0	288.3
70°	4147.1	2110.9	234.3	216.2	234.3	270.3	293.5	275.4	257.4	280.6	270.3
72.5°	3946.3	1655.2	203.4	195.6	213.7	244.6	272.9	254.8	236.8	249.7	239.4
75°	3405.7	1318.0	177.6	175.0	190.5	221.4	249.7	236.8	218.8	224.0	218.8
77.5°	2582.0	1088.9	151.9	149.3	162.2	198.2	224.0	213.7	195.6	193.1	193.1
80°	1153.3	535.4	126.1	126.1	133.9	169.9	190.5	185.3	167.3	164.8	162.2
82.5°	378.4	203.4	103.0	97.8	108.1	141.6	169.9	164.8	146.7	141.6	136.4
85°	151.9	97.8	74.7	74.7	84.9	118.4	151.9	141.6	118.4	105.5	105.5
87.5°	51.5	41.2	38.6	38.6	54.1	79.8	113.3	95.2	84.9	74.7	77.2
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)