

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: P670918

Luminaire Tested: **CCP-SA-1E-722-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670918  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-722-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4FT distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

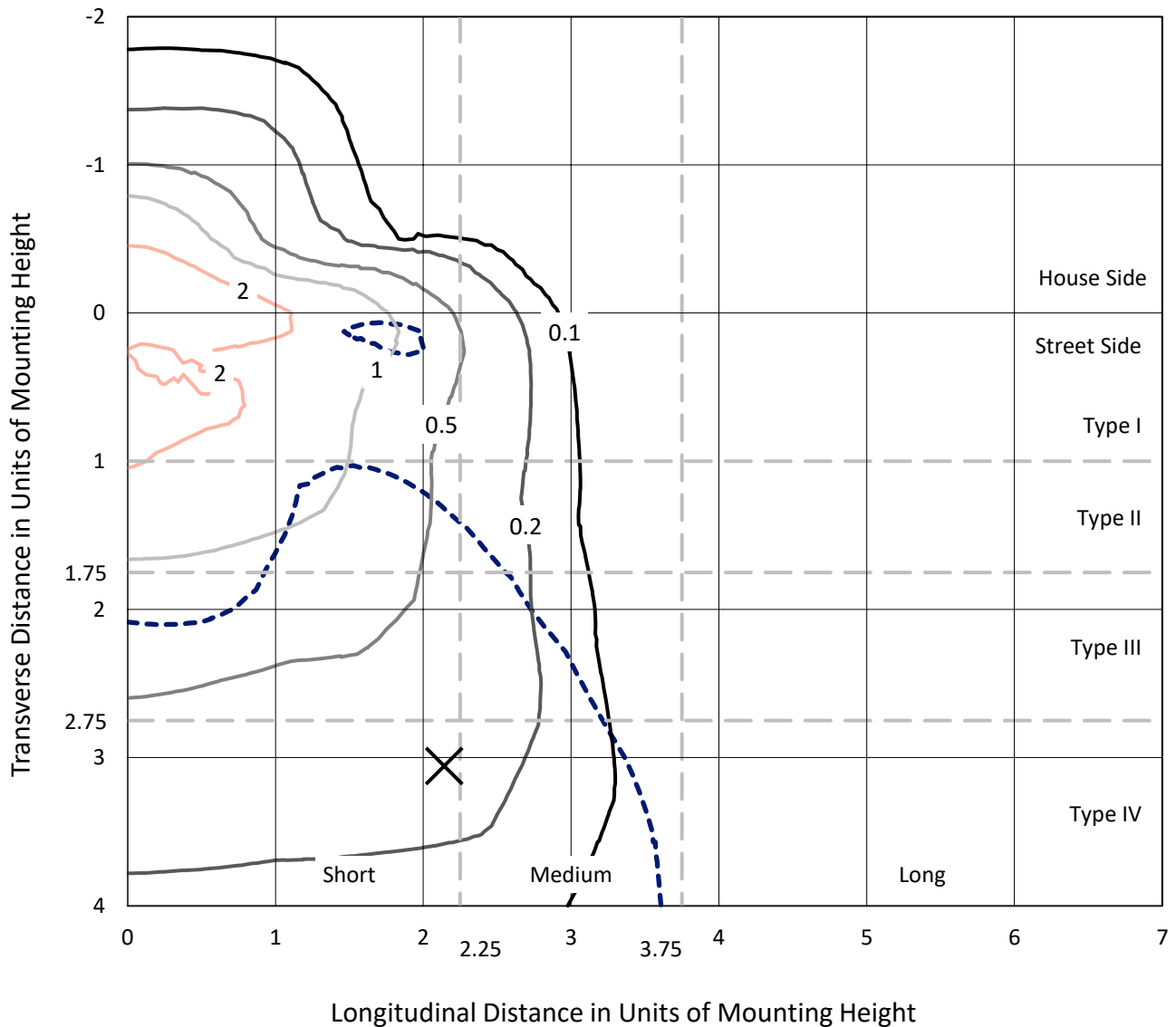
Lumens per Lamp: N/A  
Luminaire Lumens: 5033 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

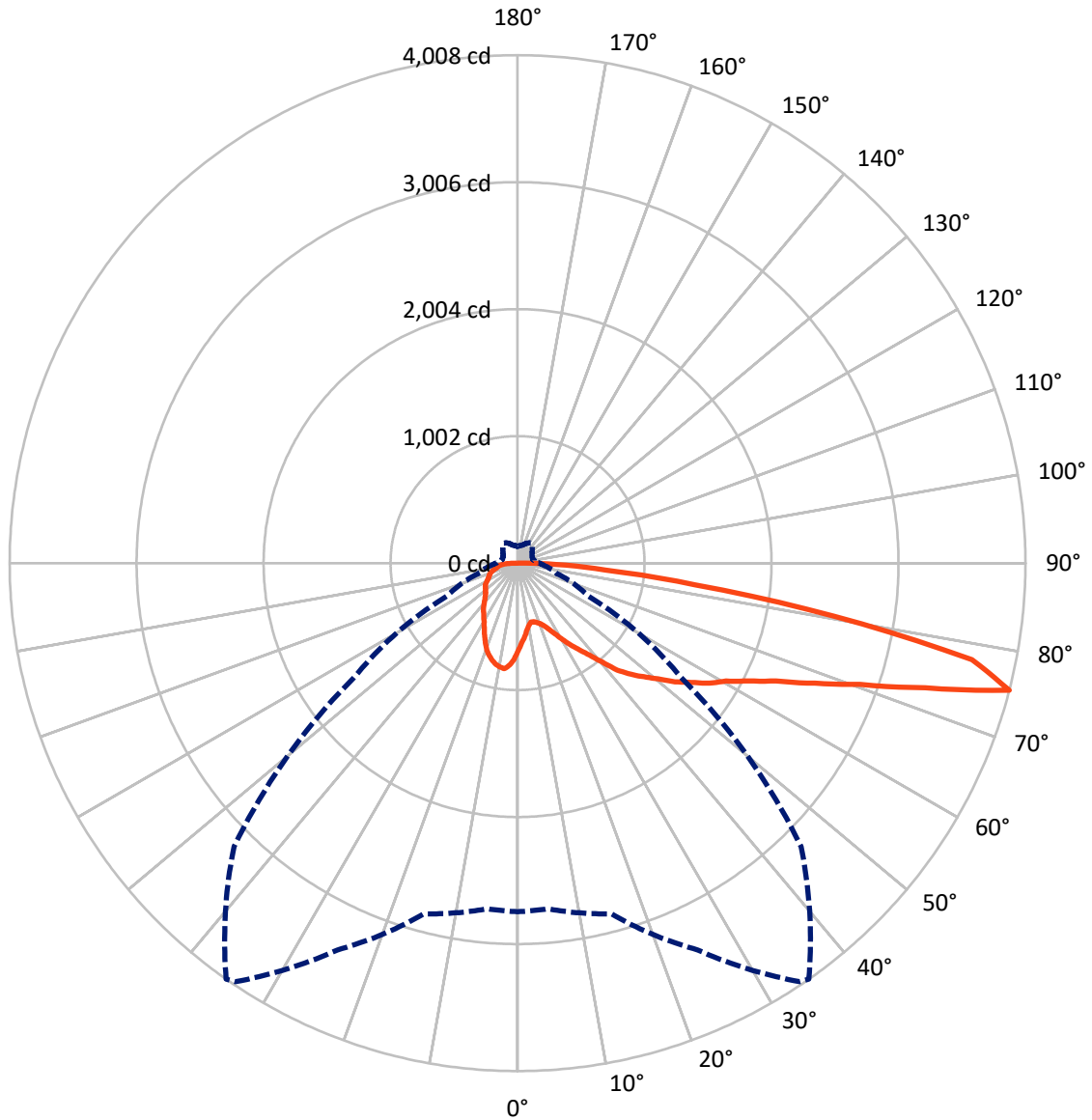
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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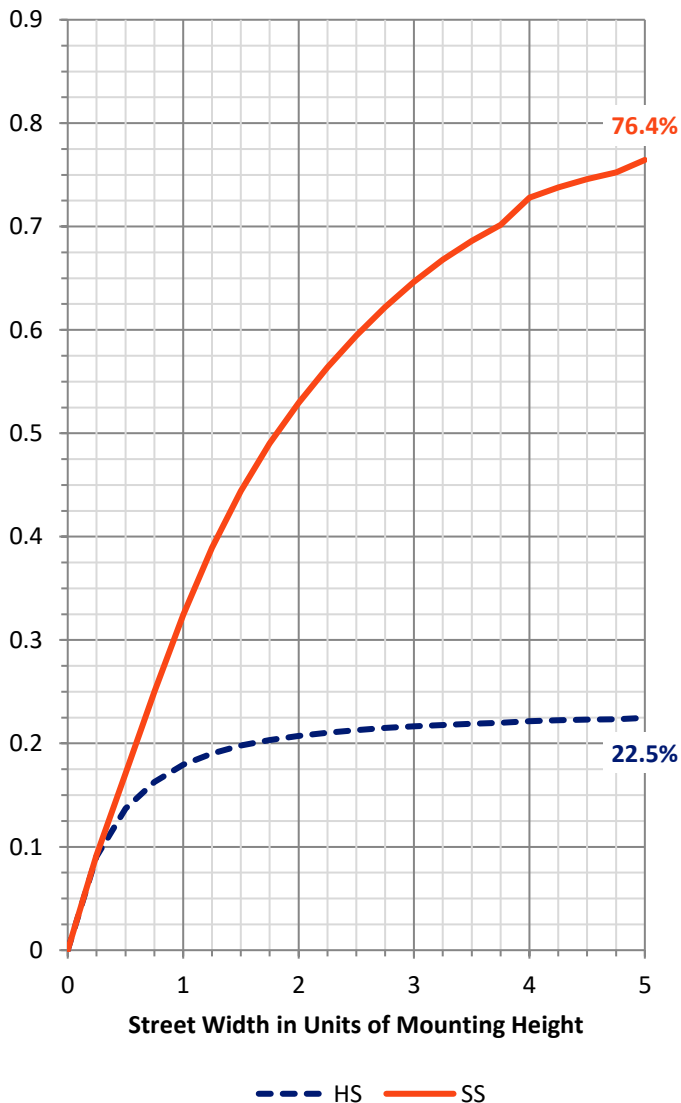
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1156.7	0.0	1156.7
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	3876.3	0.0	3876.3
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	5033.0	0.0	5033.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.7	1.3
10°-20°	190.7	3.8
20°-30°	316.4	6.3
30°-40°	469.1	9.3
40°-50°	676.3	13.4
50°-60°	930.0	18.5
60°-70°	1148.8	22.8
70°-80°	1051.0	20.9
80°-90°	185.0	3.7
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°	5033.0	100.0
0°-180°	5033.0	100.0



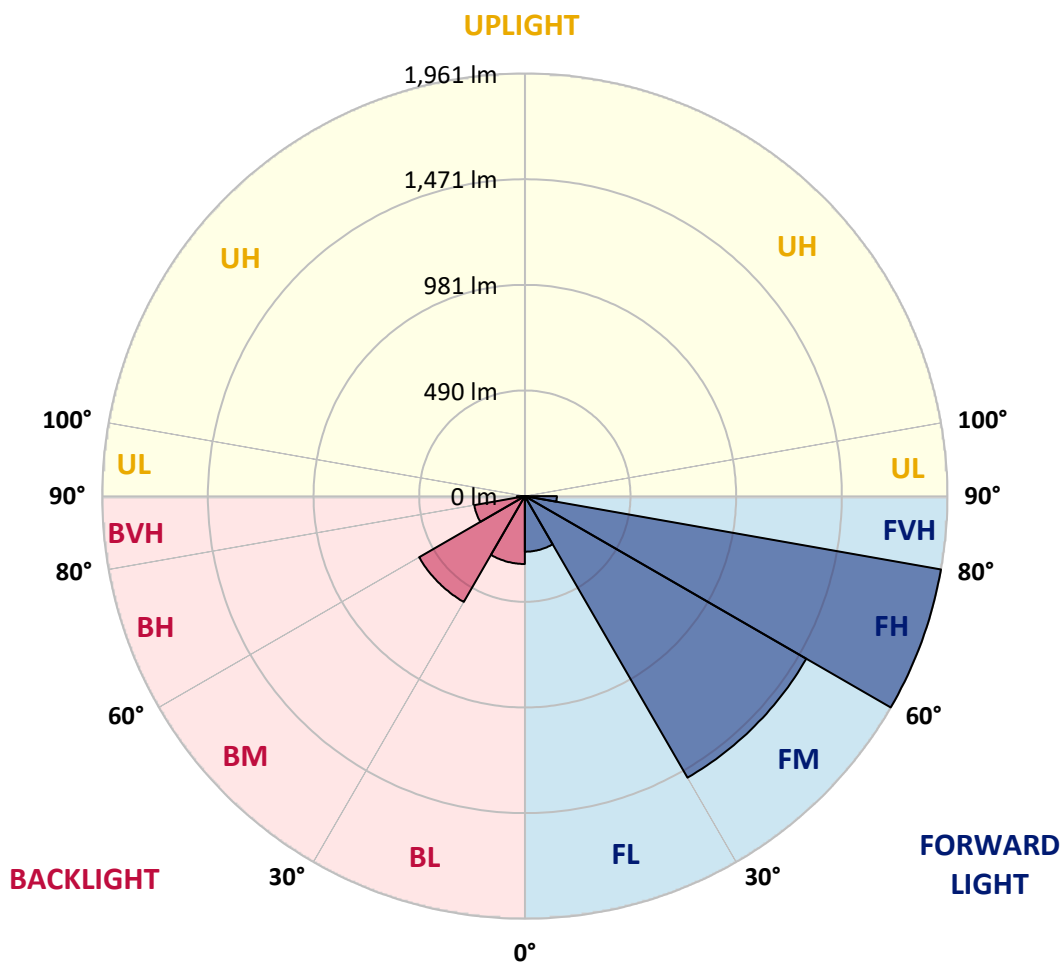
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.0	5.1			
FM (30°-60°)	1508.6	30.0			
FH (60°-80°)	1961.3	39.0			G2/5000
FVH (80°-90°)	148.5	3.0			G2/225
BL (0°-30°)	314.8	6.3	B1/500		
BM (30°-60°)	566.8	11.3	B1/1000		
BH (60°-80°)	238.5	4.7	B1/500		G1/500
BVH (80°-90°)	36.5	0.7			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	689.6	689.6	689.6	689.6	689.6	689.6	689.6	689.6	689.6	689.6	689.6
2.5°	624.7	619.1	624.7	628.4	628.4	628.4	633.9	650.6	661.8	669.2	682.1
5°	559.8	561.7	565.4	574.6	580.2	583.9	593.2	613.6	630.2	654.3	682.1
7.5°	502.3	506.0	511.6	520.9	533.9	532.0	552.4	580.2	611.7	643.2	684.0
10°	472.7	480.1	481.9	483.8	496.8	496.8	524.6	556.1	595.0	635.8	684.0
12.5°	478.2	478.2	472.7	470.8	478.2	476.4	500.5	537.6	580.2	637.7	691.4
15°	494.9	494.9	483.8	472.7	483.8	480.1	500.5	530.1	580.2	639.5	706.2
17.5°	517.2	519.0	506.0	487.5	491.2	493.1	507.9	535.7	580.2	643.2	726.6
20°	561.7	552.4	532.0	502.3	515.3	509.8	532.0	556.1	591.3	658.0	756.3
22.5°	600.6	600.6	561.7	535.7	537.6	537.6	557.9	578.3	608.0	678.4	778.5
25°	663.6	659.9	611.7	572.8	576.5	578.3	589.5	613.6	635.8	689.6	806.3
27.5°	743.3	734.0	685.8	641.4	626.5	632.1	637.7	656.2	661.8	708.1	839.7
30°	828.6	815.6	774.8	704.4	697.0	698.8	689.6	700.7	693.3	737.8	873.1
32.5°	882.3	882.3	843.4	791.5	771.1	771.1	739.6	747.0	747.0	765.6	932.4
35°	928.7	925.0	899.0	860.1	847.1	839.7	808.2	819.3	800.8	819.3	1015.8
37.5°	999.1	988.0	976.9	950.9	925.0	919.4	902.7	910.1	884.2	874.9	1110.3
40°	1080.7	1075.1	1064.0	1052.9	1026.9	1025.1	1006.5	1013.9	986.1	950.9	1204.9
42.5°	1201.2	1184.5	1149.3	1140.0	1145.6	1153.0	1145.6	1132.6	1082.5	1038.0	1306.8
45°	1321.7	1295.7	1229.0	1214.1	1256.8	1251.2	1282.7	1277.2	1195.6	1125.2	1414.3
47.5°	1399.5	1377.3	1323.5	1314.2	1332.8	1340.2	1434.7	1418.0	1288.3	1204.9	1518.1
50°	1455.1	1457.0	1386.5	1410.6	1434.7	1434.7	1553.4	1551.5	1401.4	1303.1	1653.5
52.5°	1536.7	1510.7	1481.1	1503.3	1536.7	1555.2	1701.6	1660.9	1471.8	1386.5	1805.5
55°	1579.3	1568.2	1542.2	1581.2	1651.6	1660.9	1816.6	1785.1	1551.5	1484.8	1961.2
57.5°	1596.0	1605.3	1647.9	1664.6	1762.8	1786.9	1920.4	1875.9	1625.6	1607.1	2081.6
60°	1670.1	1657.2	1714.6	1781.4	1875.9	1888.9	2050.1	1953.7	1697.9	1686.8	2120.6
62.5°	1820.3	1786.9	1818.4	1898.1	2029.7	2046.4	2187.3	2057.5	1729.5	1740.6	2118.7
65°	2039.0	2014.9	1968.6	2031.6	2217.0	2241.1	2348.6	2146.5	1720.2	1722.0	1968.6
67.5°	2296.7	2257.7	2209.5	2248.5	2474.6	2530.2	2545.1	2185.5	1655.3	1618.2	1601.6
70°	2522.8	2496.9	2465.4	2532.1	2847.2	2867.6	2789.7	2161.4	1475.5	1299.4	1067.7
72.5°	2734.1	2721.2	2739.7	2989.9	3351.4	3364.4	3019.6	2009.4	1165.9	787.8	496.8
75°	2750.8	2737.8	2865.7	3368.1	3983.5	4007.6	3162.3	1575.6	615.4	320.7	209.5
77.5°	1862.9	1901.8	2141.0	2949.2	3659.1	3664.7	2585.8	732.2	253.9	189.1	146.4
80°	457.9	507.9	806.3	1525.6	2467.2	2528.4	1416.2	246.5	166.8	144.6	109.4
82.5°	166.8	181.7	328.1	689.6	1386.5	1410.6	494.9	133.5	120.5	111.2	79.7
85°	79.7	81.6	155.7	339.2	700.7	693.3	178.0	79.7	87.1	76.0	48.2
87.5°	33.4	33.4	68.6	157.6	309.6	300.3	57.5	37.1	50.0	44.5	24.1
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°	689.6	689.6	689.6	689.6	689.6	689.6	689.6	689.6	689.6	689.6	689.6
2.5°	691.4	695.1	709.9	721.1	732.2	741.5	756.3	756.3	765.6	765.6	765.6
5°	689.6	709.9	734.0	760.0	776.7	793.4	808.2	810.0	815.6	823.0	824.9
7.5°	697.0	717.4	756.3	793.4	813.8	821.2	839.7	834.1	834.1	834.1	839.7
10°	711.8	734.0	787.8	821.2	836.0	837.8	832.3	828.6	817.5	813.8	808.2
12.5°	722.9	761.8	815.6	841.6	836.0	830.4	817.5	798.9	785.9	782.2	782.2
15°	750.7	789.7	839.7	849.0	839.7	810.0	793.4	773.0	761.8	745.2	752.6
17.5°	774.8	819.3	863.8	852.7	834.1	787.8	763.7	734.0	719.2	700.7	700.7
20°	806.3	847.1	886.0	856.4	815.6	765.6	726.6	689.6	669.2	650.6	654.3
22.5°	841.6	878.6	899.0	841.6	787.8	730.3	676.6	641.4	615.4	604.3	608.0
25°	869.4	910.1	906.4	817.5	754.4	685.8	626.5	593.2	587.6	576.5	576.5
27.5°	904.6	947.2	900.9	787.8	698.8	615.4	578.3	565.4	565.4	559.8	563.5
30°	950.9	980.6	887.9	745.2	628.4	552.4	533.9	541.3	554.2	548.7	550.5
32.5°	1026.9	1023.2	876.8	697.0	554.2	491.2	504.2	519.0	530.1	535.7	539.4
35°	1101.1	1077.0	863.8	632.1	485.7	461.6	472.7	489.4	509.8	515.3	517.2
37.5°	1175.2	1132.6	841.6	552.4	443.0	435.6	446.7	456.0	472.7	476.4	480.1
40°	1253.1	1169.7	802.6	474.5	407.8	407.8	415.2	417.1	426.3	431.9	435.6
42.5°	1321.7	1204.9	732.2	402.2	370.7	383.7	385.6	381.9	374.4	378.1	380.0
45°	1405.1	1243.8	650.6	350.3	342.9	359.6	363.3	348.5	335.5	328.1	324.4
47.5°	1486.6	1284.6	580.2	307.7	317.0	342.9	342.9	326.2	304.0	285.5	278.0
50°	1560.8	1325.4	522.7	281.8	291.0	329.9	333.7	302.1	278.0	255.8	252.1
52.5°	1685.0	1393.9	463.4	261.4	276.2	320.7	318.8	291.0	259.5	235.4	233.6
55°	1794.3	1462.5	385.6	241.0	261.4	307.7	313.3	279.9	237.3	215.0	211.3
57.5°	1874.0	1479.2	307.7	220.6	246.5	292.9	300.3	257.7	222.4	203.9	202.0
60°	1888.9	1414.3	250.2	203.9	226.1	272.5	278.0	244.7	211.3	196.5	192.8
62.5°	1820.3	1290.1	213.2	189.1	209.5	252.1	263.2	229.9	200.2	187.2	185.4
65°	1664.6	1108.5	187.2	176.1	198.3	237.3	250.2	218.7	190.9	179.8	178.0
67.5°	1317.9	850.8	166.8	166.8	183.5	222.4	241.0	211.3	181.7	174.2	172.4
70°	861.9	511.6	152.0	153.9	172.4	209.5	229.9	202.0	170.5	168.7	165.0
72.5°	370.7	235.4	135.3	140.9	155.7	187.2	213.2	189.1	157.6	152.0	146.4
75°	170.5	142.7	122.3	126.0	139.0	165.0	192.8	174.2	146.4	137.2	131.6
77.5°	120.5	103.8	102.0	109.4	118.6	142.7	170.5	163.1	135.3	127.9	124.2
80°	89.0	79.7	85.3	92.7	98.2	131.6	161.3	150.1	124.2	113.1	107.5
82.5°	63.0	59.3	66.7	74.1	79.7	114.9	148.3	131.6	103.8	94.5	85.3
85°	37.1	38.9	46.3	50.0	55.6	85.3	124.2	105.7	79.7	61.2	59.3
87.5°	16.7	16.7	22.2	24.1	27.8	50.0	83.4	66.7	50.0	38.9	37.1
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)