

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: P671926

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671926  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-722-U-AFL  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

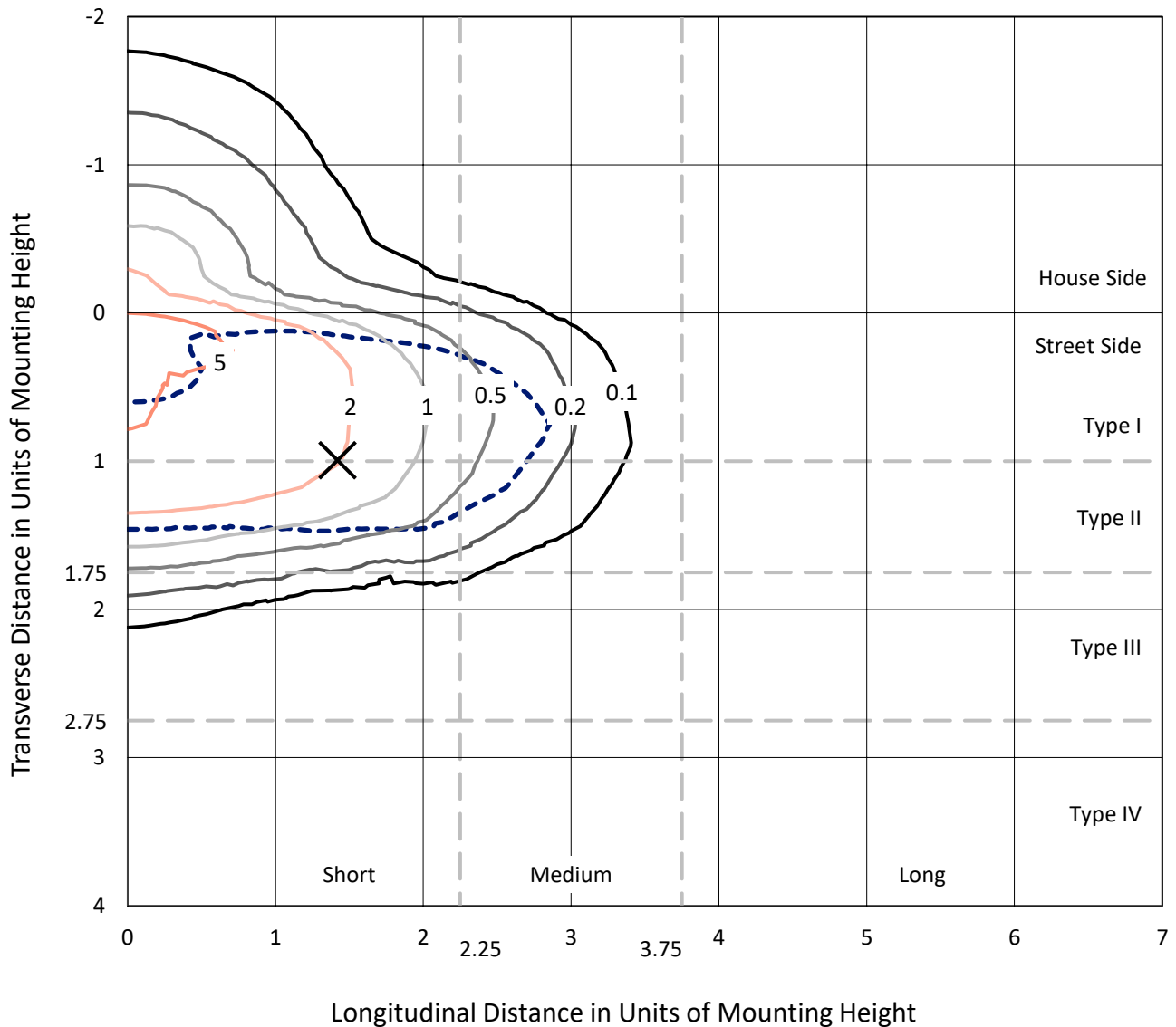
Lumens per Lamp: N/A  
Luminaire Lumens: 5082.3 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

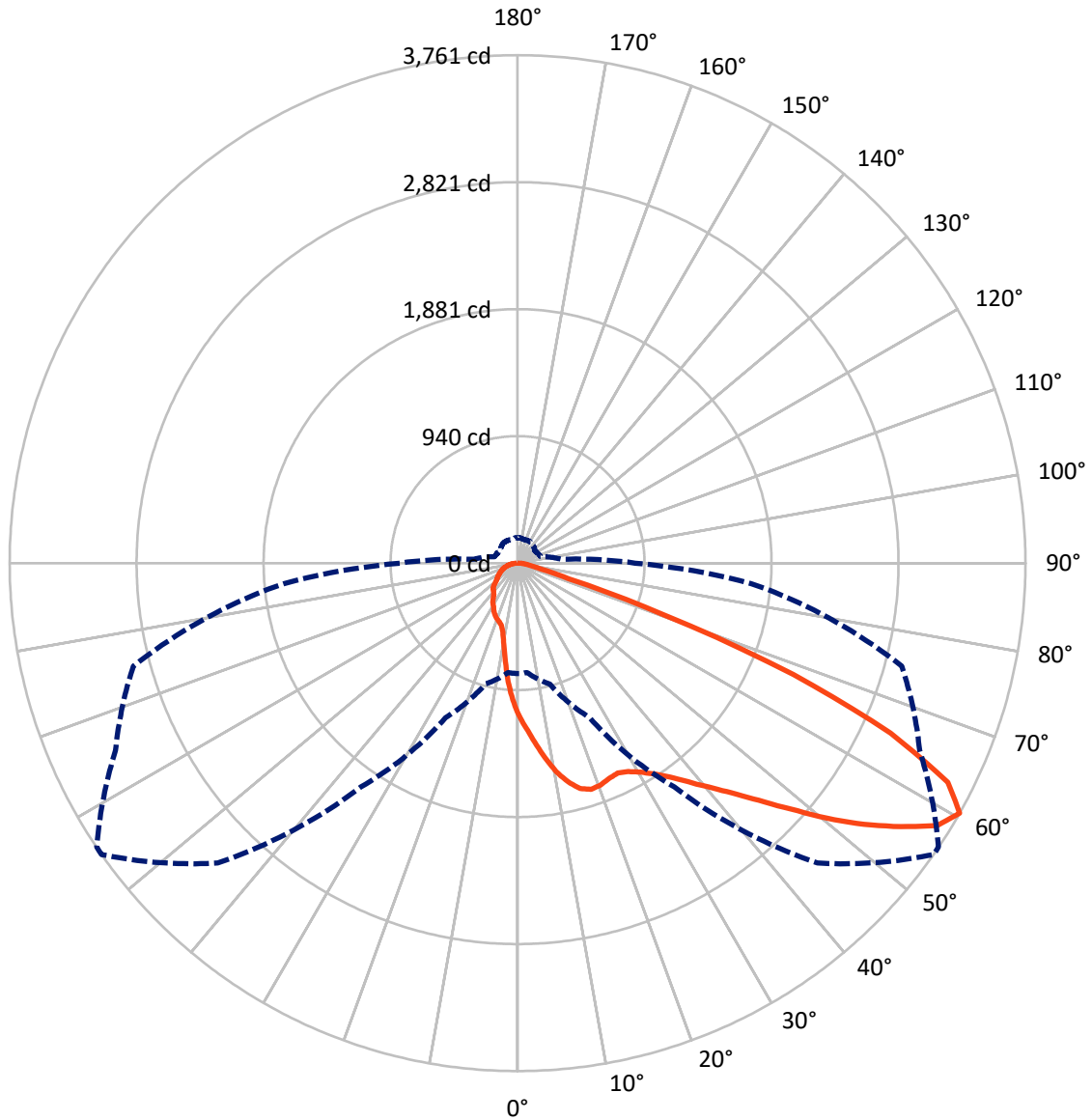
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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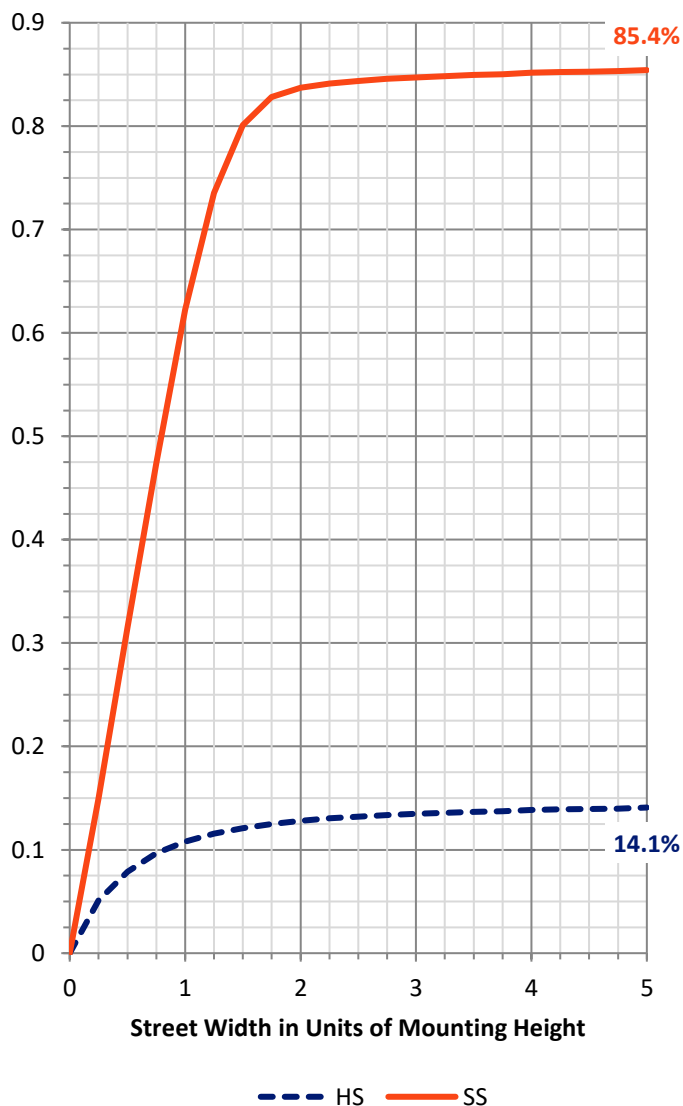
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	730.6	0.0	730.6
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	4351.7	0.0	4351.7
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	5082.3	0.0	5082.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.5	2.1
10°-20°	298.8	5.9
20°-30°	486.6	9.6
30°-40°	727.2	14.3
40°-50°	1068.9	21.0
50°-60°	1252.8	24.6
60°-70°	826.0	16.3
70°-80°	263.0	5.2
80°-90°	53.5	1.1
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°	5082.3	100.0
0°-180°	5082.3	100.0



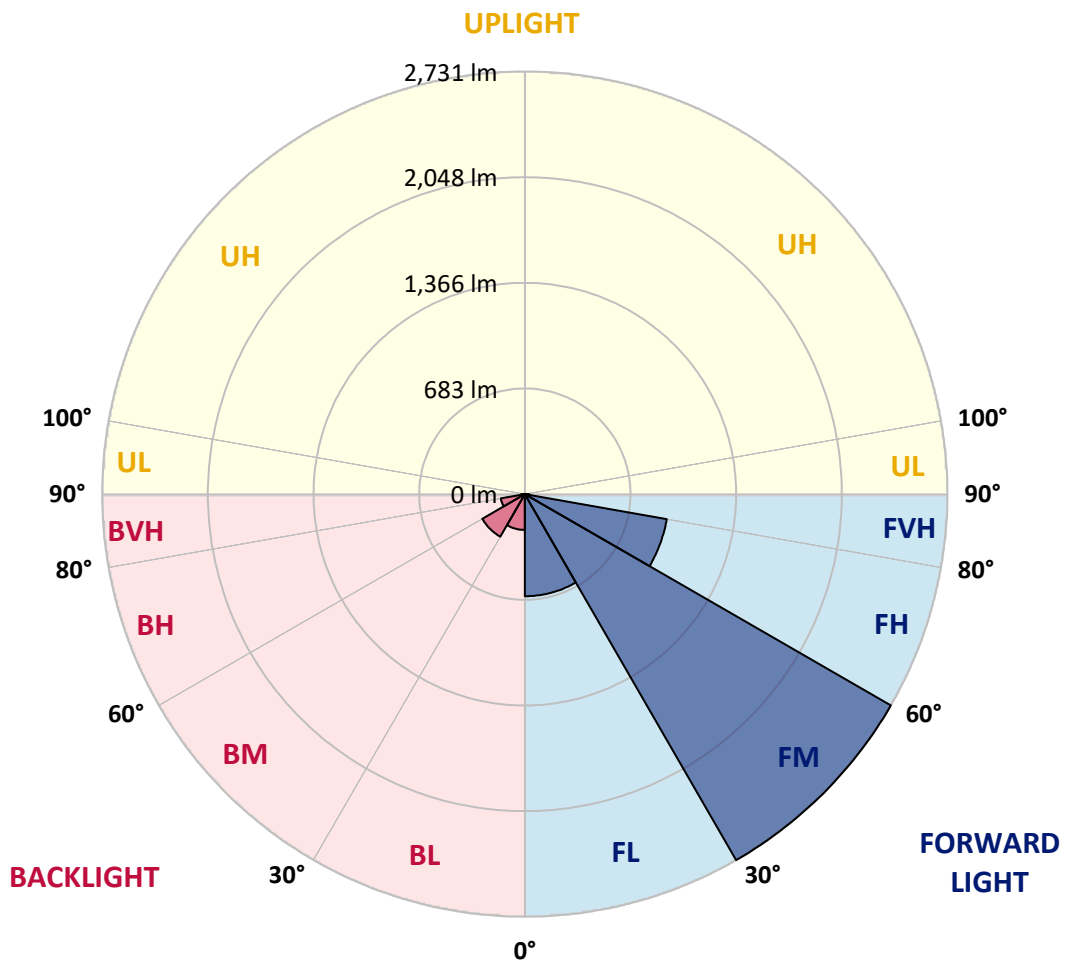
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.6	13.0			
FM (30°-60°)	2731.3	53.7			
FH (60°-80°)	931.4	18.3			G1/1800
FVH (80°-90°)	29.3	0.6			G1/100
BL (0°-30°)	231.3	4.6	B1/500		
BM (30°-60°)	317.5	6.2	B1/1000		
BH (60°-80°)	157.6	3.1	B1/500		G1/500
BVH (80°-90°)	24.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1
2.5°	1311.7	1306.9	1306.9	1294.7	1276.7	1251.6	1221.8	1214.4	1203.0	1173.9	1136.3
5°	1511.7	1506.5	1499.5	1478.2	1444.6	1394.5	1331.6	1320.1	1279.3	1219.2	1151.4
7.5°	1643.9	1641.0	1638.8	1620.3	1587.2	1537.8	1453.5	1440.6	1371.3	1271.9	1165.8
10°	1630.3	1639.1	1654.6	1667.5	1674.1	1648.7	1569.5	1554.4	1468.6	1333.0	1187.2
12.5°	1502.5	1515.0	1543.7	1596.4	1657.2	1706.2	1661.2	1652.8	1572.5	1397.9	1214.1
15°	1407.4	1412.6	1426.6	1465.6	1556.2	1687.0	1732.3	1724.6	1669.3	1481.1	1245.0
17.5°	1378.0	1380.2	1383.5	1396.4	1458.3	1612.2	1761.4	1768.8	1763.3	1567.7	1280.0
20°	1392.7	1394.2	1394.5	1396.8	1426.2	1549.6	1753.7	1766.2	1845.8	1654.2	1314.6
22.5°	1449.4	1447.6	1445.0	1436.5	1453.1	1538.6	1733.1	1752.9	1909.5	1733.1	1346.7
25°	1548.5	1545.9	1527.9	1510.2	1517.2	1578.3	1722.0	1743.4	1959.2	1807.5	1370.2
27.5°	1666.4	1663.8	1645.4	1611.9	1604.5	1644.6	1747.8	1761.0	1995.7	1873.4	1380.5
30°	1788.7	1788.7	1765.8	1727.2	1703.6	1720.5	1795.3	1806.0	2023.3	1937.1	1387.2
32.5°	1922.0	1925.7	1890.3	1846.1	1820.0	1810.0	1862.0	1871.2	2063.5	2012.3	1401.2
35°	2093.3	2085.2	2042.1	1983.9	1941.9	1919.4	1944.5	1955.2	2122.4	2105.8	1423.6
37.5°	2285.9	2271.6	2218.5	2148.9	2075.6	2038.0	2054.6	2057.2	2209.7	2227.7	1464.5
40°	2445.1	2442.5	2397.5	2331.6	2239.2	2188.7	2180.6	2182.1	2330.9	2372.1	1526.4
42.5°	2579.1	2569.6	2561.5	2538.2	2440.3	2357.4	2324.2	2324.6	2462.4	2521.3	1588.7
45°	2638.4	2636.6	2660.5	2720.2	2649.9	2552.2	2505.1	2511.7	2613.0	2674.5	1648.7
47.5°	2613.0	2614.5	2678.6	2835.1	2876.8	2802.0	2718.4	2714.3	2758.9	2792.0	1701.7
50°	2386.1	2410.1	2583.6	2845.8	3025.6	3062.8	2968.5	2953.4	2886.7	2885.6	1734.2
52.5°	2214.8	2213.7	2320.2	2737.2	3078.2	3298.1	3213.4	3179.5	2992.4	2938.3	1736.7
55°	1983.5	1982.1	2061.2	2419.3	2973.6	3462.4	3444.4	3402.0	3089.3	2955.6	1719.1
57.5°	1502.1	1530.1	1608.9	1936.7	2642.1	3436.3	3665.0	3629.6	3184.0	2947.8	1715.7
60°	817.4	814.0	928.2	1262.3	2022.9	3139.4	3761.1	3759.3	3284.5	2944.9	1736.0
62.5°	376.8	373.1	396.0	562.1	1159.9	2515.0	3575.5	3602.0	3377.7	2918.0	1734.2
65°	281.8	272.2	241.3	261.5	443.9	1501.4	3037.0	3107.7	3234.0	2807.5	1653.9
67.5°	251.2	242.0	205.9	193.0	222.8	529.7	2203.1	2268.3	2704.4	2600.5	1523.8
70°	230.2	222.1	186.0	165.8	167.2	234.6	1153.3	1281.5	1982.1	2170.3	1298.8
72.5°	210.0	203.0	170.2	145.9	140.7	155.1	393.0	474.1	1232.8	1581.7	968.4
75°	188.6	182.0	153.2	130.8	120.8	114.9	187.1	201.5	652.0	873.3	519.7
77.5°	163.9	160.2	136.7	115.3	106.8	86.9	124.5	130.8	279.2	342.9	247.5
80°	142.5	139.6	121.9	104.6	95.8	67.0	85.8	90.2	137.8	171.3	138.5
82.5°	92.8	100.2	100.9	89.9	84.4	53.8	56.7	60.0	91.3	100.9	60.4
85°	38.3	46.4	69.6	61.9	58.6	45.7	37.6	38.3	56.0	58.9	21.7
87.5°	17.3	19.2	34.3	34.6	30.2	17.3	18.8	20.6	28.7	28.4	9.6
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°	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1	1127.1
2.5°	1126.0	1109.1	1078.9	1040.2	1012.6	992.3	970.2	954.0	936.0	920.1	922.7
5°	1123.4	1090.7	1022.9	951.1	881.1	823.6	775.7	740.4	703.9	689.5	687.7
7.5°	1125.7	1070.0	958.8	841.3	734.8	661.5	605.9	572.4	551.4	539.3	540.0
10°	1124.9	1050.5	889.5	727.5	611.1	544.0	510.2	499.1	497.3	498.7	500.9
12.5°	1126.0	1024.0	811.8	625.1	522.3	488.1	489.5	499.5	505.7	509.8	512.4
15°	1130.8	1002.3	732.3	544.4	475.9	477.0	492.8	508.3	517.5	521.9	524.2
17.5°	1137.8	975.0	661.5	483.3	456.4	473.3	493.9	510.5	517.5	520.1	521.9
20°	1138.5	943.7	590.1	441.3	443.5	465.6	483.6	496.9	505.7	508.7	510.2
22.5°	1135.2	901.3	516.8	410.7	428.8	450.9	466.3	481.4	469.6	460.1	457.5
25°	1121.2	847.9	454.2	385.7	410.3	431.0	448.6	432.1	426.5	419.2	419.9
27.5°	1091.0	781.3	395.2	362.1	388.6	418.1	405.2	403.0	396.0	388.6	388.6
30°	1051.2	710.9	345.9	337.4	362.4	377.2	380.1	376.8	372.8	363.2	363.9
32.5°	1015.5	636.5	310.9	316.8	345.9	345.9	358.8	358.8	344.0	317.1	317.1
35°	980.2	566.5	285.1	299.5	318.6	324.9	342.6	319.4	298.4	286.2	285.5
37.5°	952.5	506.8	268.2	284.7	292.1	307.9	308.3	291.4	284.4	273.3	272.2
40°	936.3	456.7	257.8	277.4	278.1	292.8	268.5	273.3	271.8	263.4	262.3
42.5°	927.5	418.1	250.1	271.1	267.4	253.1	248.6	256.7	259.3	254.9	253.1
45°	920.5	387.9	243.8	249.4	258.9	232.8	231.0	237.2	242.7	242.4	240.9
47.5°	916.8	366.9	238.3	235.7	237.6	220.6	217.0	219.9	226.9	231.3	231.0
50°	902.4	350.7	230.2	221.7	210.0	210.0	208.1	208.1	216.6	225.4	226.2
52.5°	877.0	331.5	218.4	208.5	194.9	200.7	201.5	200.0	208.9	218.4	219.2
55°	849.0	317.1	202.6	196.3	182.3	192.3	195.6	194.1	200.0	206.6	206.3
57.5°	849.4	316.8	189.0	184.2	170.5	181.6	189.7	190.1	189.7	194.5	194.5
60°	870.8	324.1	178.3	168.0	156.9	170.2	183.4	183.4	180.9	187.9	188.6
62.5°	877.0	323.4	171.6	152.5	144.8	159.9	174.2	176.4	174.6	184.5	185.6
65°	821.8	306.1	165.0	138.5	133.7	148.4	162.8	169.1	167.2	180.1	181.6
67.5°	745.2	283.6	154.7	126.0	122.3	137.4	151.0	157.7	157.3	174.2	175.0
70°	642.4	256.0	141.8	113.1	111.2	124.5	136.7	143.7	147.0	166.5	166.1
72.5°	497.6	219.5	122.3	99.5	99.1	111.2	121.9	129.7	135.9	154.7	154.7
75°	320.8	172.8	99.8	86.2	84.7	96.1	107.2	116.0	135.2	165.0	164.6
77.5°	196.0	131.9	80.3	71.8	71.5	81.8	92.8	107.9	147.7	147.0	142.9
80°	117.5	94.7	64.1	57.5	57.5	67.0	79.2	115.7	122.7	140.0	132.2
82.5°	61.1	58.2	47.9	42.4	44.2	52.7	72.2	92.5	100.2	85.1	78.1
85°	25.0	30.9	29.5	26.9	28.0	36.5	69.6	74.0	59.3	62.2	62.6
87.5°	8.5	13.6	13.6	10.7	11.8	25.8	41.3	24.7	29.8	17.7	13.3
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)