

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: P671990

Luminaire Tested: **CCP-SA-1C-760-U-AFL**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671990  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-760-U-AFL  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL distribution lens  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

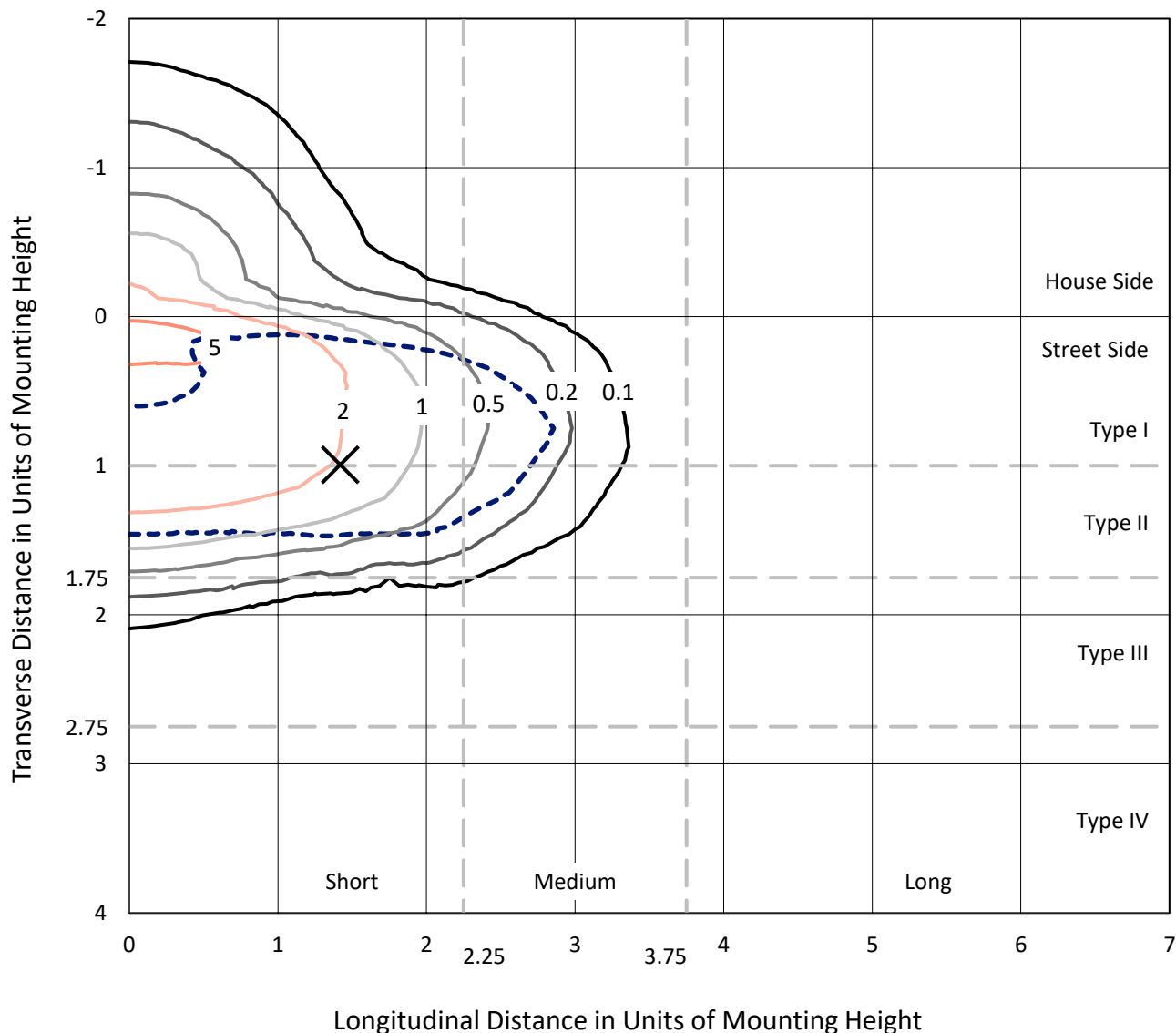
Lumens per Lamp: N/A  
Luminaire Lumens: 4667.1 lumens  
Efficiency: N/A  
Efficacy: 145.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

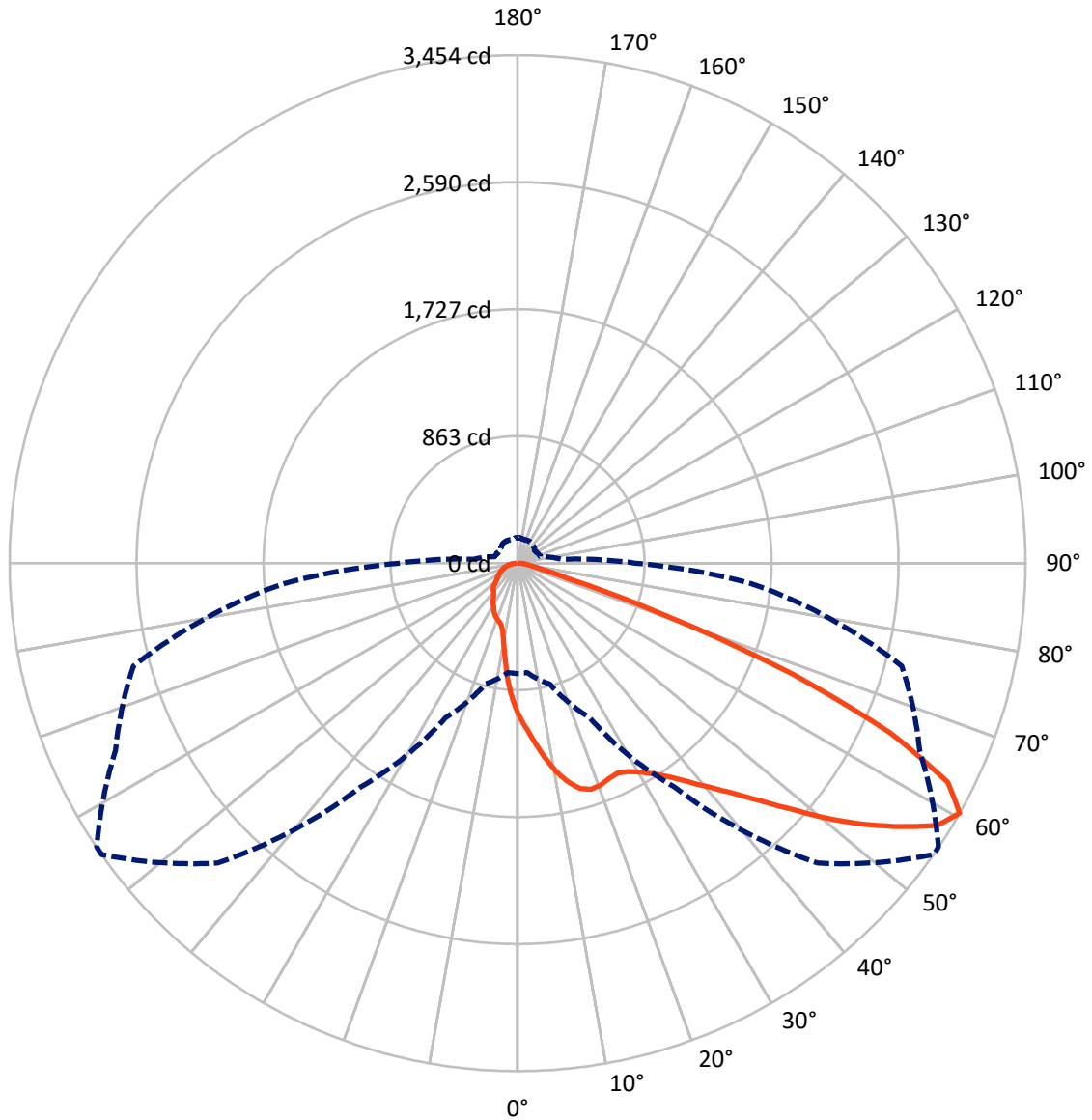
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 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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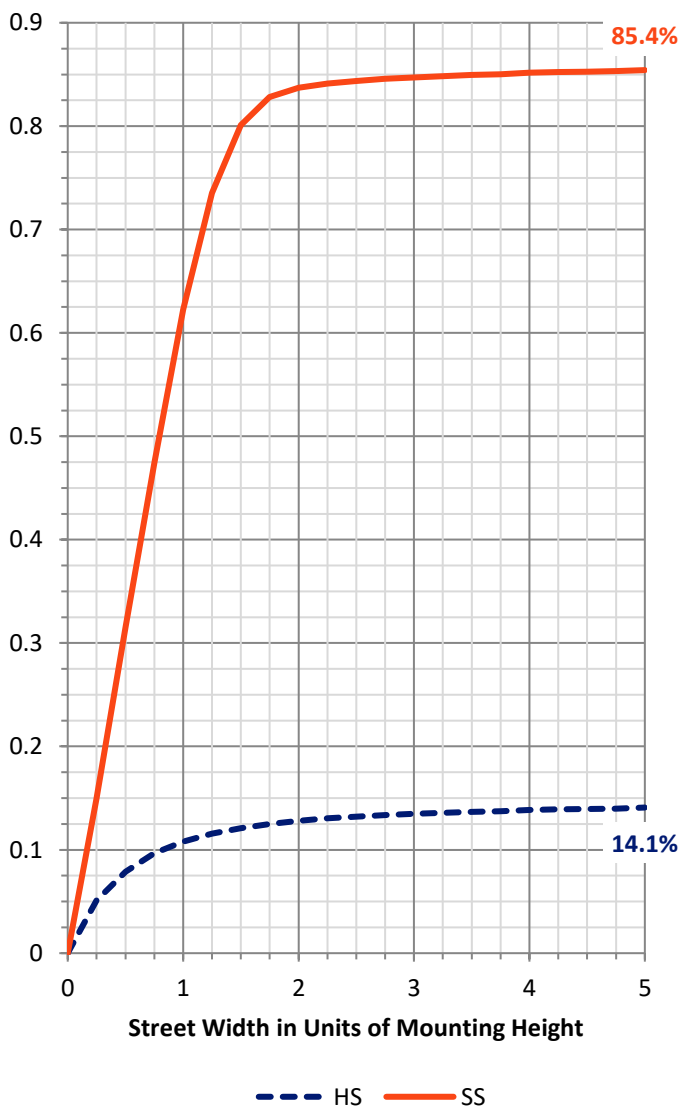
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	670.9	0.0	670.9
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	3996.2	0.0	3996.2
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	4667.1	0.0	4667.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	2.1
10°-20°	274.4	5.9
20°-30°	446.8	9.6
30°-40°	667.8	14.3
40°-50°	981.5	21.0
50°-60°	1150.4	24.6
60°-70°	758.5	16.3
70°-80°	241.5	5.2
80°-90°	49.1	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°	4667.1	100.0
0°-180°	4667.1	100.0



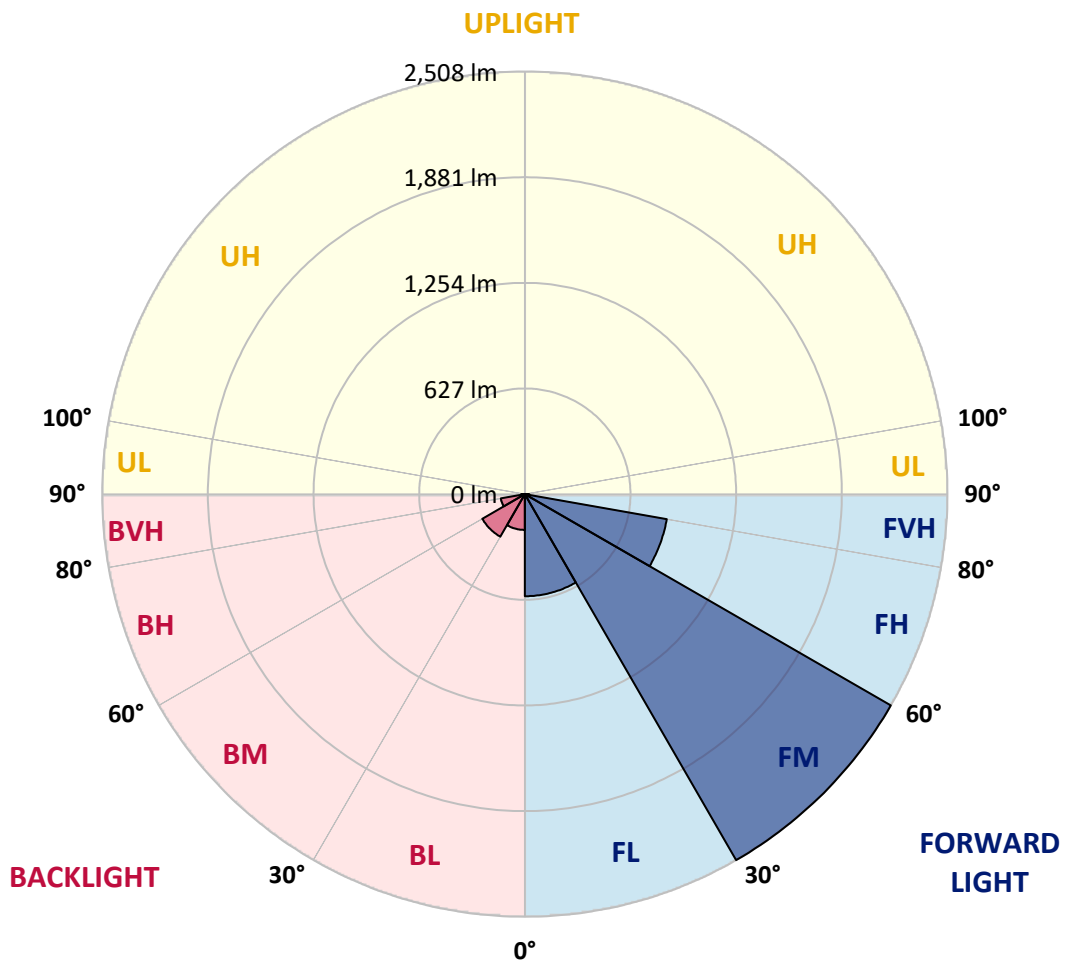
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.7	13.0			
FM (30°-60°)	2508.2	53.7			
FH (60°-80°)	855.3	18.3			G1/1800
FVH (80°-90°)	26.9	0.6			G1/100
BL (0°-30°)	212.4	4.6	B1/500		
BM (30°-60°)	291.6	6.2	B1/1000		
BH (60°-80°)	144.8	3.1	B1/500		G1/500
BVH (80°-90°)	22.2	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°	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1
2.5°	1204.5	1200.1	1200.1	1189.0	1172.4	1149.4	1122.0	1115.2	1104.7	1078.0	1043.5
5°	1388.2	1383.5	1377.0	1357.4	1326.6	1280.6	1222.8	1212.3	1174.8	1119.6	1057.4
7.5°	1509.6	1506.9	1504.9	1488.0	1457.5	1412.2	1334.8	1322.9	1259.3	1168.0	1070.6
10°	1497.1	1505.2	1519.4	1531.3	1537.4	1514.0	1441.3	1427.4	1348.6	1224.1	1090.2
12.5°	1379.7	1391.2	1417.6	1466.0	1521.8	1566.8	1525.5	1517.8	1444.0	1283.7	1114.9
15°	1292.5	1297.2	1310.1	1345.9	1429.1	1549.2	1590.8	1583.7	1533.0	1360.1	1143.3
17.5°	1265.4	1267.4	1270.5	1282.3	1339.2	1480.5	1617.5	1624.3	1619.2	1439.6	1175.4
20°	1278.9	1280.3	1280.6	1282.7	1309.7	1423.0	1610.4	1621.9	1695.0	1519.1	1207.2
22.5°	1331.0	1329.3	1327.0	1319.2	1334.4	1412.9	1591.5	1609.8	1753.5	1591.5	1236.7
25°	1422.0	1419.7	1403.1	1386.8	1393.3	1449.4	1581.3	1601.0	1799.2	1659.8	1258.3
27.5°	1530.3	1527.9	1511.0	1480.2	1473.4	1510.3	1605.0	1617.2	1832.7	1720.4	1267.8
30°	1642.6	1642.6	1621.6	1586.1	1564.4	1580.0	1648.7	1658.5	1858.0	1778.9	1273.9
32.5°	1765.0	1768.4	1735.9	1695.3	1671.3	1662.2	1709.9	1718.3	1894.9	1847.9	1286.7
35°	1922.3	1914.9	1875.3	1821.8	1783.3	1762.7	1785.7	1795.5	1949.0	1933.8	1307.4
37.5°	2099.2	2086.0	2037.3	1973.4	1906.1	1871.6	1886.8	1889.2	2029.2	2045.8	1344.9
40°	2245.3	2243.0	2201.7	2141.2	2056.3	2009.9	2002.5	2003.8	2140.5	2178.4	1401.7
42.5°	2368.5	2359.7	2352.2	2330.9	2240.9	2164.8	2134.4	2134.7	2261.2	2315.4	1458.9
45°	2422.9	2421.2	2443.2	2498.0	2433.4	2343.8	2300.5	2306.6	2399.6	2456.1	1514.0
47.5°	2399.6	2400.9	2459.8	2603.6	2641.8	2573.1	2496.3	2492.6	2533.5	2564.0	1562.7
50°	2191.2	2213.2	2372.5	2613.4	2778.4	2812.6	2726.0	2712.1	2650.9	2649.9	1592.5
52.5°	2033.9	2032.9	2130.7	2513.6	2826.8	3028.7	2950.9	2919.8	2748.0	2698.3	1594.9
55°	1821.5	1820.2	1892.9	2221.7	2730.7	3179.6	3163.0	3124.1	2837.0	2714.2	1578.6
57.5°	1379.4	1405.1	1477.5	1778.5	2426.3	3155.6	3365.6	3333.2	2923.9	2707.1	1575.6
60°	750.6	747.5	852.4	1159.2	1857.7	2883.0	3453.9	3452.2	3016.2	2704.4	1594.2
62.5°	346.0	342.7	363.6	516.2	1065.2	2309.6	3283.4	3307.8	3101.8	2679.7	1592.5
65°	258.8	250.0	221.6	240.2	407.6	1378.7	2788.9	2853.9	2969.9	2578.2	1518.8
67.5°	230.7	222.2	189.1	177.2	204.6	486.4	2023.1	2083.0	2483.5	2388.1	1399.4
70°	211.4	204.0	170.8	152.2	153.6	215.5	1059.1	1176.8	1820.2	1993.0	1192.7
72.5°	192.8	186.4	156.3	133.9	129.2	142.4	360.9	435.3	1132.1	1452.5	889.3
75°	173.2	167.1	140.7	120.1	110.9	105.5	171.8	185.0	598.7	802.0	477.3
77.5°	150.5	147.1	125.5	105.9	98.1	79.8	114.3	120.1	256.4	314.9	227.3
80°	130.9	128.2	112.0	96.1	87.9	61.6	78.8	82.9	126.5	157.3	127.2
82.5°	85.2	92.0	92.7	82.5	77.5	49.4	52.1	55.1	83.9	92.7	55.5
85°	35.2	42.6	63.9	56.8	53.8	41.9	34.5	35.2	51.4	54.1	20.0
87.5°	15.9	17.6	31.5	31.8	27.7	15.9	17.3	18.9	26.4	26.0	8.8
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°	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1
2.5°	1034.0	1018.5	990.8	955.2	929.9	911.3	891.0	876.1	859.5	845.0	847.3
5°	1031.7	1001.6	939.3	873.4	809.1	756.3	712.4	679.9	646.4	633.2	631.5
7.5°	1033.7	982.6	880.5	772.6	674.8	607.5	556.4	525.6	506.4	495.2	495.9
10°	1033.0	964.7	816.9	668.1	561.2	499.6	468.5	458.3	456.6	458.0	460.0
12.5°	1034.0	940.4	745.5	574.0	479.6	448.2	449.5	458.7	464.4	468.1	470.5
15°	1038.4	920.4	672.5	499.9	437.0	438.0	452.6	466.8	475.2	479.3	481.3
17.5°	1044.9	895.4	607.5	443.8	419.1	434.7	453.6	468.8	475.2	477.6	479.3
20°	1045.5	866.6	541.9	405.2	407.3	427.6	444.1	456.3	464.4	467.1	468.5
22.5°	1042.5	827.7	474.6	377.2	393.7	414.0	428.2	442.1	431.3	422.5	420.1
25°	1029.7	778.7	417.1	354.2	376.8	395.8	412.0	396.8	391.7	384.9	385.6
27.5°	1001.9	717.4	362.9	332.5	356.9	383.9	372.1	370.1	363.6	356.9	356.9
30°	965.4	652.8	317.6	309.8	332.8	346.4	349.1	346.0	342.3	333.5	334.2
32.5°	932.6	584.5	285.5	290.9	317.6	317.6	329.5	329.5	315.9	291.2	291.2
35°	900.1	520.2	261.8	275.0	292.6	298.3	314.6	293.3	274.0	262.8	262.1
37.5°	874.7	465.4	246.3	261.5	268.2	282.8	283.1	267.6	261.1	251.0	250.0
40°	859.8	419.4	236.8	254.7	255.4	268.9	246.6	251.0	249.6	241.9	240.8
42.5°	851.7	383.9	229.7	249.0	245.6	232.4	228.3	235.8	238.1	234.1	232.4
45°	845.3	356.2	223.9	229.0	237.8	213.8	212.1	217.8	222.9	222.6	221.2
47.5°	841.9	336.9	218.9	216.5	218.2	202.6	199.2	201.9	208.4	212.4	212.1
50°	828.7	322.0	211.4	203.6	192.8	192.8	191.1	191.1	198.9	207.0	207.7
52.5°	805.4	304.4	200.6	191.5	178.9	184.3	185.0	183.7	191.8	200.6	201.3
55°	779.7	291.2	186.0	180.3	167.4	176.6	179.6	178.3	183.7	189.8	189.4
57.5°	780.0	290.9	173.5	169.1	156.6	166.8	174.2	174.5	174.2	178.6	178.6
60°	799.6	297.7	163.7	154.2	144.1	156.3	168.5	168.5	166.1	172.5	173.2
62.5°	805.4	297.0	157.6	140.0	132.9	146.8	160.0	162.0	160.3	169.5	170.5
65°	754.6	281.1	151.5	127.2	122.8	136.3	149.5	155.3	153.6	165.4	166.8
67.5°	684.3	260.5	142.1	115.7	112.3	126.2	138.7	144.8	144.4	160.0	160.7
70°	589.9	235.1	130.2	103.8	102.2	114.3	125.5	131.9	135.0	152.9	152.6
72.5°	457.0	201.6	112.3	91.3	91.0	102.2	112.0	119.1	124.8	142.1	142.1
75°	294.6	158.6	91.7	79.2	77.8	88.3	98.4	106.6	124.1	151.5	151.2
77.5°	180.0	121.1	73.7	66.0	65.6	75.1	85.2	99.1	135.6	135.0	131.2
80°	107.9	86.9	58.9	52.8	52.8	61.6	72.7	106.2	112.6	128.5	121.4
82.5°	56.2	53.4	44.0	38.9	40.6	48.4	66.3	84.9	92.0	78.1	71.7
85°	23.0	28.4	27.1	24.7	25.7	33.5	63.9	68.0	54.5	57.2	57.5
87.5°	7.8	12.5	12.5	9.8	10.8	23.7	37.9	22.7	27.4	16.2	12.2
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)