

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: P672133

Luminaire Tested: **CCP-SA-1B-760-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672133  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-760-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

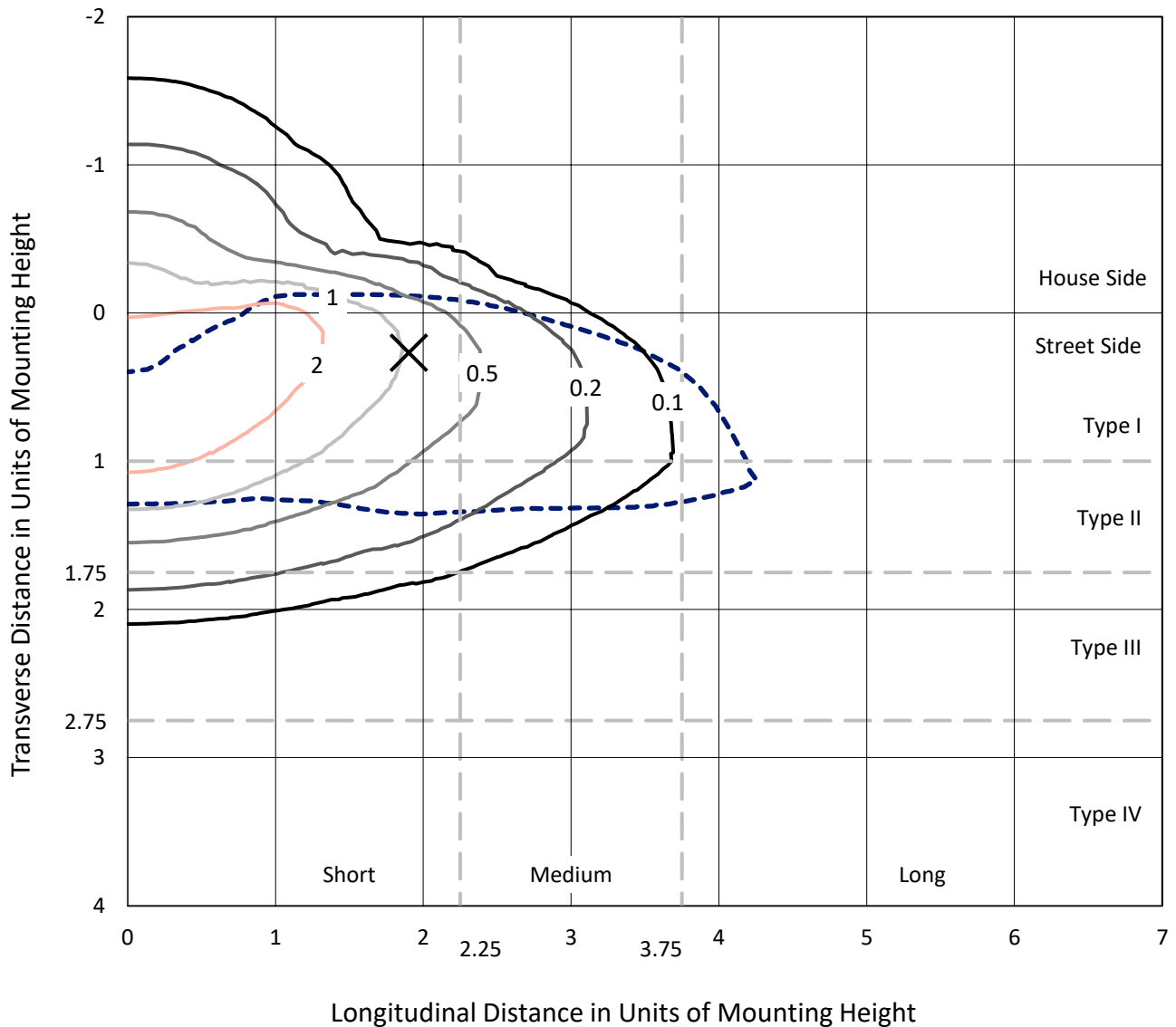
Lumens per Lamp: N/A  
Luminaire Lumens: 3588.4 lumens  
Efficiency: N/A  
Efficacy: 149.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24  
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

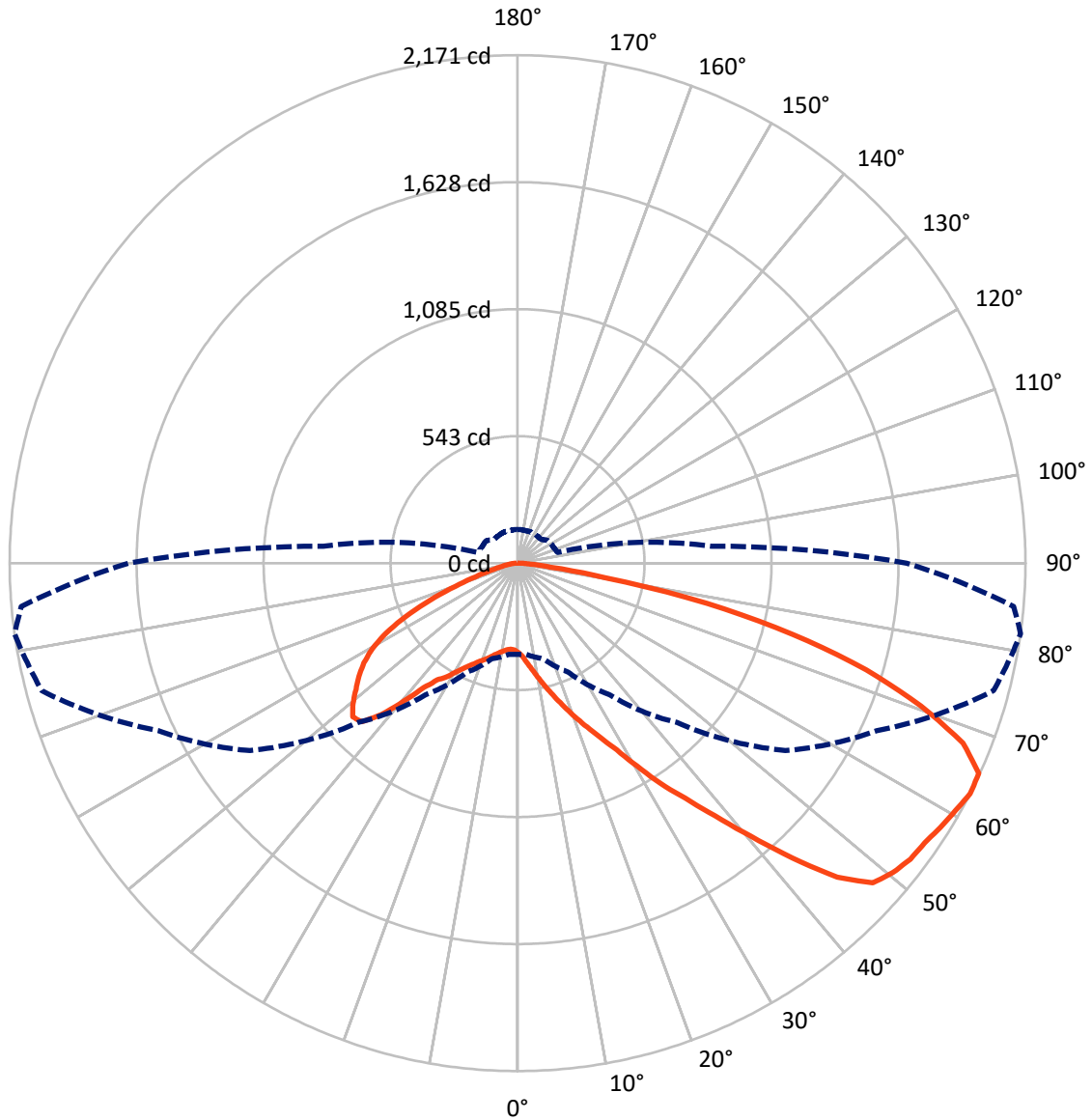
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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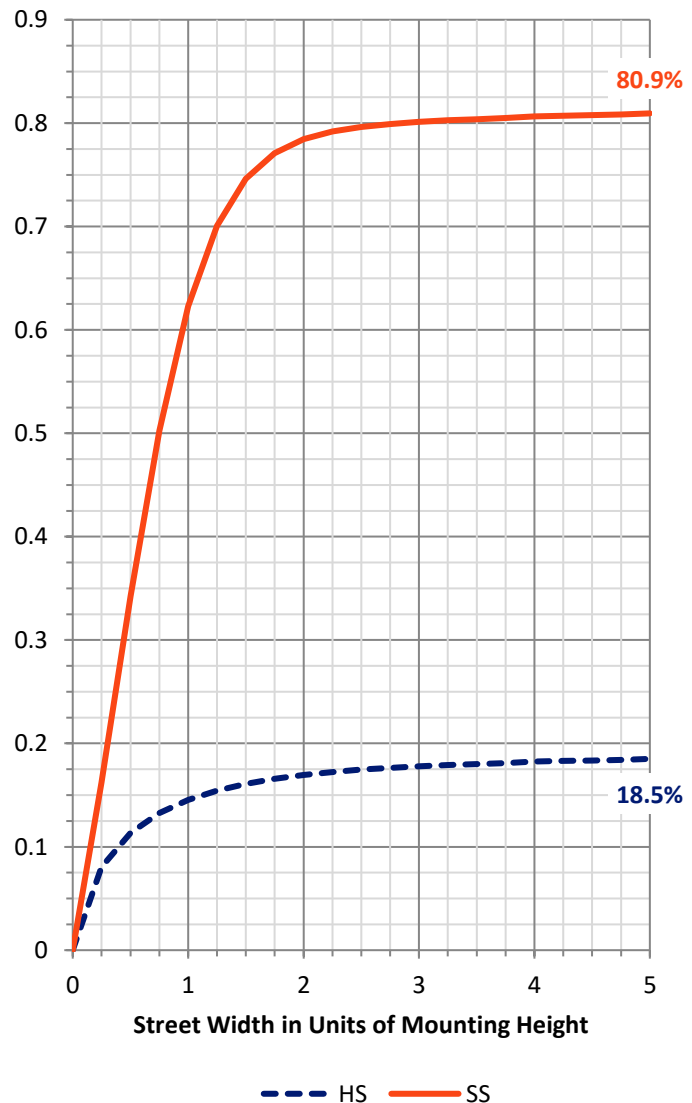
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	676.0	0.0	676.0
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	2912.3	0.0	2912.3
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	3588.4	0.0	3588.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.2	1.2
10°-20°	159.3	4.4
20°-30°	329.8	9.2
30°-40°	559.8	15.6
40°-50°	762.4	21.2
50°-60°	771.7	21.5
60°-70°	608.2	16.9
70°-80°	299.6	8.3
80°-90°	55.4	1.5
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°	3588.4	100.0
0°-180°	3588.4	100.0



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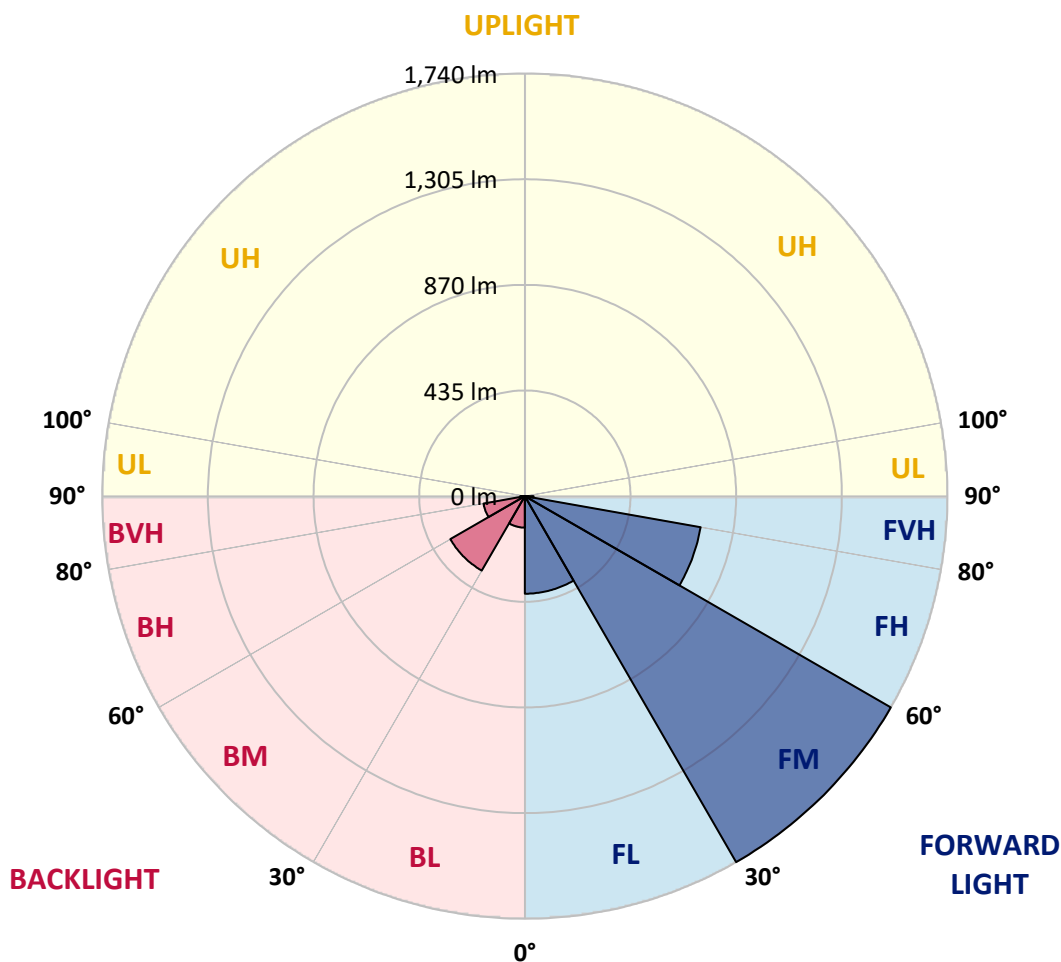
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.6	11.2			
FM (30°-60°)	1739.8	48.5			
FH (60°-80°)	735.0	20.5			G1/1800
FVH (80°-90°)	36.0	1.0			G1/100
BL (0°-30°)	129.7	3.6	B1/500		
BM (30°-60°)	354.1	9.9	B1/1000		
BH (60°-80°)	172.8	4.8	B1/500		G1/500
BVH (80°-90°)	19.4	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°	65°	75°	82°	85°
0°	381.6	381.6	381.6	381.6	381.6	381.6	381.6	381.6	381.6	381.6	381.6
2.5°	508.2	500.4	496.3	491.7	478.7	470.5	455.0	436.9	416.0	398.1	394.8
5°	615.4	607.7	608.7	597.3	578.5	560.9	532.0	497.9	458.1	427.6	417.0
7.5°	691.1	682.6	684.7	680.0	664.8	645.4	608.7	564.8	506.6	461.4	444.4
10°	741.8	742.8	744.3	742.5	732.7	719.0	682.6	634.0	561.7	501.5	478.2
12.5°	799.1	802.0	801.4	802.2	797.0	786.2	750.5	704.8	620.3	544.6	514.4
15°	872.2	869.4	871.7	875.1	869.4	857.5	826.0	771.7	681.8	592.7	555.2
17.5°	952.3	946.4	952.6	949.2	945.1	937.3	902.7	844.8	745.4	644.6	600.7
20°	1021.6	1017.7	1021.0	1021.6	1022.3	1020.8	985.1	923.6	812.0	701.2	649.8
22.5°	1099.3	1097.5	1097.0	1097.3	1098.0	1099.8	1075.6	1009.9	885.9	760.6	702.7
25°	1208.1	1206.3	1194.4	1181.2	1173.5	1179.2	1166.5	1107.9	967.6	827.3	760.9
27.5°	1330.0	1327.2	1311.4	1278.1	1253.3	1257.4	1256.2	1215.8	1061.6	903.7	830.6
30°	1456.6	1449.7	1428.0	1381.2	1342.2	1335.0	1338.6	1325.1	1179.9	1005.3	927.8
32.5°	1569.5	1556.6	1527.9	1480.7	1434.2	1413.2	1413.8	1419.7	1308.6	1123.6	1029.6
35°	1638.5	1630.0	1608.6	1560.8	1508.8	1494.9	1491.0	1520.7	1426.7	1233.2	1120.8
37.5°	1675.7	1667.5	1644.5	1606.0	1566.7	1561.0	1568.3	1614.2	1560.8	1369.8	1244.8
40°	1669.0	1660.2	1645.2	1618.4	1592.5	1596.9	1629.0	1700.0	1707.3	1533.4	1421.5
42.5°	1613.7	1604.4	1603.1	1601.3	1589.2	1608.6	1666.4	1762.8	1841.9	1722.2	1635.4
45°	1516.1	1510.4	1517.1	1548.1	1563.3	1600.8	1684.0	1793.3	1960.2	1914.2	1837.7
47.5°	1392.3	1388.9	1404.2	1453.3	1502.6	1577.0	1695.6	1801.6	2041.6	2041.6	1970.3
50°	1253.8	1252.5	1272.7	1344.0	1421.2	1533.4	1694.3	1809.3	2077.2	2079.0	2017.0
52.5°	1060.6	1067.3	1121.0	1215.1	1320.0	1464.9	1676.2	1831.0	2097.4	2101.5	2048.3
55°	837.9	844.3	925.4	1052.0	1186.4	1381.7	1622.2	1824.5	2101.3	2110.6	2066.1
57.5°	668.9	670.2	720.8	871.2	1037.6	1275.3	1560.0	1781.7	2089.9	2130.4	2093.5
60°	523.4	527.6	561.4	680.5	865.0	1138.1	1490.5	1739.3	2096.3	2149.3	2118.3
62.5°	389.9	390.9	422.4	514.7	687.2	963.2	1396.2	1694.1	2105.4	2170.5	2128.4
65°	254.0	253.7	284.2	367.4	513.4	774.3	1248.1	1623.3	2106.2	2165.8	2082.1
67.5°	161.5	162.5	175.7	228.1	343.6	584.4	1046.6	1491.8	2069.5	2053.2	1913.7
70°	131.0	131.2	135.4	149.1	209.3	399.4	786.7	1286.1	1953.5	1828.7	1663.3
72.5°	116.8	117.0	119.1	120.7	139.5	240.0	516.2	1044.3	1747.3	1558.7	1379.9
75°	104.9	104.9	106.2	104.6	114.5	150.6	293.0	785.2	1439.1	1213.8	1042.5
77.5°	92.0	91.7	91.7	90.9	99.0	110.1	146.7	548.0	1036.5	827.8	676.1
80°	78.0	77.5	78.3	77.8	85.5	83.5	85.5	338.2	561.9	379.5	287.8
82.5°	60.7	60.7	63.0	63.6	70.5	60.5	60.2	160.4	213.4	141.8	106.2
85°	31.8	35.7	48.1	50.1	53.2	38.0	44.2	74.9	85.5	54.3	38.8
87.5°	9.6	10.1	29.5	33.1	32.8	19.1	27.1	36.2	40.0	24.0	15.8
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°	381.6	381.6	381.6	381.6	381.6	381.6	381.6	381.6	381.6	381.6	381.6
2.5°	386.2	377.2	358.1	341.0	328.1	315.7	307.2	302.8	297.1	297.9	296.1
5°	398.1	379.5	345.7	318.3	300.0	286.0	277.5	273.1	269.0	266.9	268.4
7.5°	416.0	387.0	339.7	306.7	287.6	275.7	271.0	269.7	268.7	267.9	269.2
10°	439.0	400.2	338.7	302.5	285.0	277.7	275.9	275.2	274.1	273.1	273.9
12.5°	462.5	414.7	342.3	303.6	289.1	283.7	281.4	280.3	277.7	276.4	276.7
15°	491.9	432.2	347.2	307.7	294.5	287.6	284.5	281.6	277.5	275.7	276.4
17.5°	523.4	453.2	354.0	311.6	296.6	288.1	281.9	277.7	273.6	271.0	271.3
20°	559.1	473.8	359.9	312.9	295.6	283.7	276.2	271.3	265.9	263.0	262.2
22.5°	596.0	495.5	364.5	311.8	289.9	276.2	267.7	261.7	255.3	250.9	251.1
25°	641.0	525.0	368.4	308.2	282.4	266.4	256.8	249.3	242.6	238.5	238.7
27.5°	695.0	558.3	373.1	302.5	273.3	255.8	244.7	237.2	230.7	226.8	226.3
30°	767.1	601.7	378.2	295.6	262.0	244.2	233.3	225.5	219.3	215.7	215.7
32.5°	848.2	654.7	381.9	287.3	249.3	231.7	221.9	215.7	211.1	206.2	205.7
35°	918.7	695.8	393.0	280.8	238.2	220.1	213.4	209.0	202.0	197.4	196.6
37.5°	1022.3	768.1	425.8	279.0	224.8	211.1	209.8	201.5	193.5	184.7	184.0
40°	1189.2	893.4	464.0	270.2	210.8	206.2	204.9	193.8	174.9	169.5	168.5
42.5°	1401.6	1044.3	468.2	244.7	201.0	202.0	198.2	176.5	168.2	164.1	163.0
45°	1593.3	1166.8	444.6	218.6	193.8	195.8	187.8	170.0	165.4	161.5	160.4
47.5°	1701.0	1204.5	400.2	198.9	188.3	190.4	171.3	166.9	162.3	158.4	157.3
50°	1731.3	1171.7	348.5	187.6	184.2	185.0	166.9	164.3	160.2	157.1	155.5
52.5°	1737.2	1122.6	300.7	180.9	181.1	174.1	163.0	161.0	158.4	153.5	151.7
55°	1739.8	1078.4	257.8	176.7	179.0	160.2	158.9	157.3	155.3	150.1	149.1
57.5°	1746.5	1021.8	224.3	173.6	176.5	153.7	154.2	153.2	150.6	148.3	147.8
60°	1727.4	943.5	198.4	170.5	172.8	148.3	148.8	149.3	147.0	146.5	146.2
62.5°	1663.3	832.4	176.5	166.4	165.4	142.9	142.9	144.9	142.9	143.6	143.6
65°	1531.3	690.9	156.8	158.6	153.7	136.9	136.7	140.3	137.2	140.5	140.8
67.5°	1306.3	522.9	136.7	146.5	141.6	130.7	131.8	134.6	130.5	137.4	137.4
70°	1034.0	355.8	115.7	129.4	129.2	123.8	127.1	126.9	122.2	132.5	130.7
72.5°	770.2	228.4	94.3	108.5	112.9	116.3	122.5	117.0	112.6	118.6	113.2
75°	538.2	143.1	74.4	85.8	94.0	108.0	116.8	105.9	99.5	97.7	96.1
77.5°	322.2	91.5	58.6	65.4	73.4	98.2	109.5	94.3	84.5	83.5	80.4
80°	148.6	59.7	44.7	48.8	52.2	84.2	99.7	80.6	68.7	67.7	64.1
82.5°	67.2	39.3	33.3	34.9	35.1	66.9	84.2	63.8	52.4	85.0	73.6
85°	31.3	25.3	21.7	20.7	20.9	44.7	61.2	43.9	59.7	46.5	35.4
87.5°	13.4	12.9	11.1	8.8	8.0	9.6	23.5	18.3	26.1	10.3	7.0
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)