

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: P672112

Luminaire Tested: **CCP-SA-1C-740-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672112  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-740-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

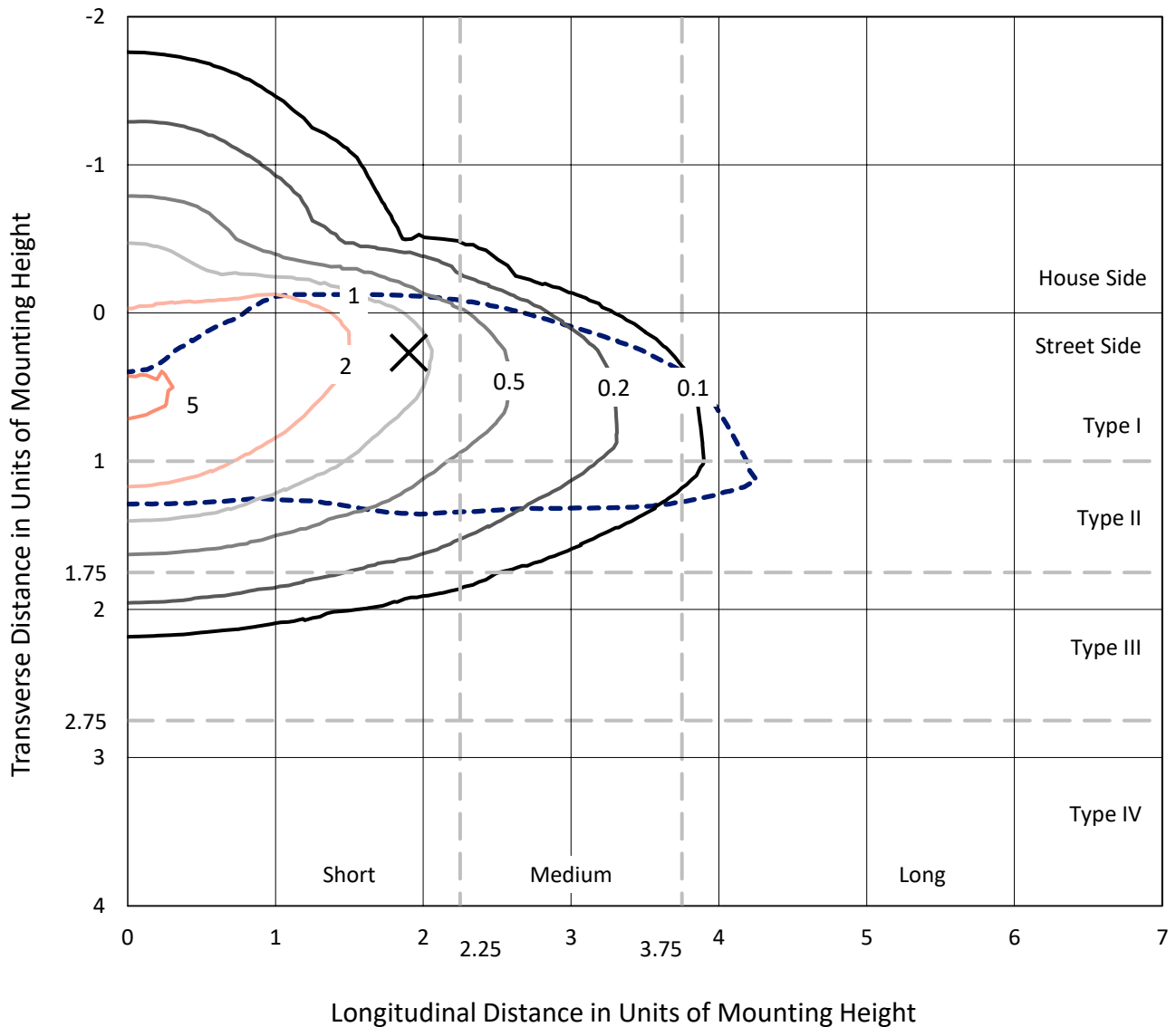
Lumens per Lamp: N/A  
Luminaire Lumens: 4592.5 lumens  
Efficiency: N/A  
Efficacy: 143.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

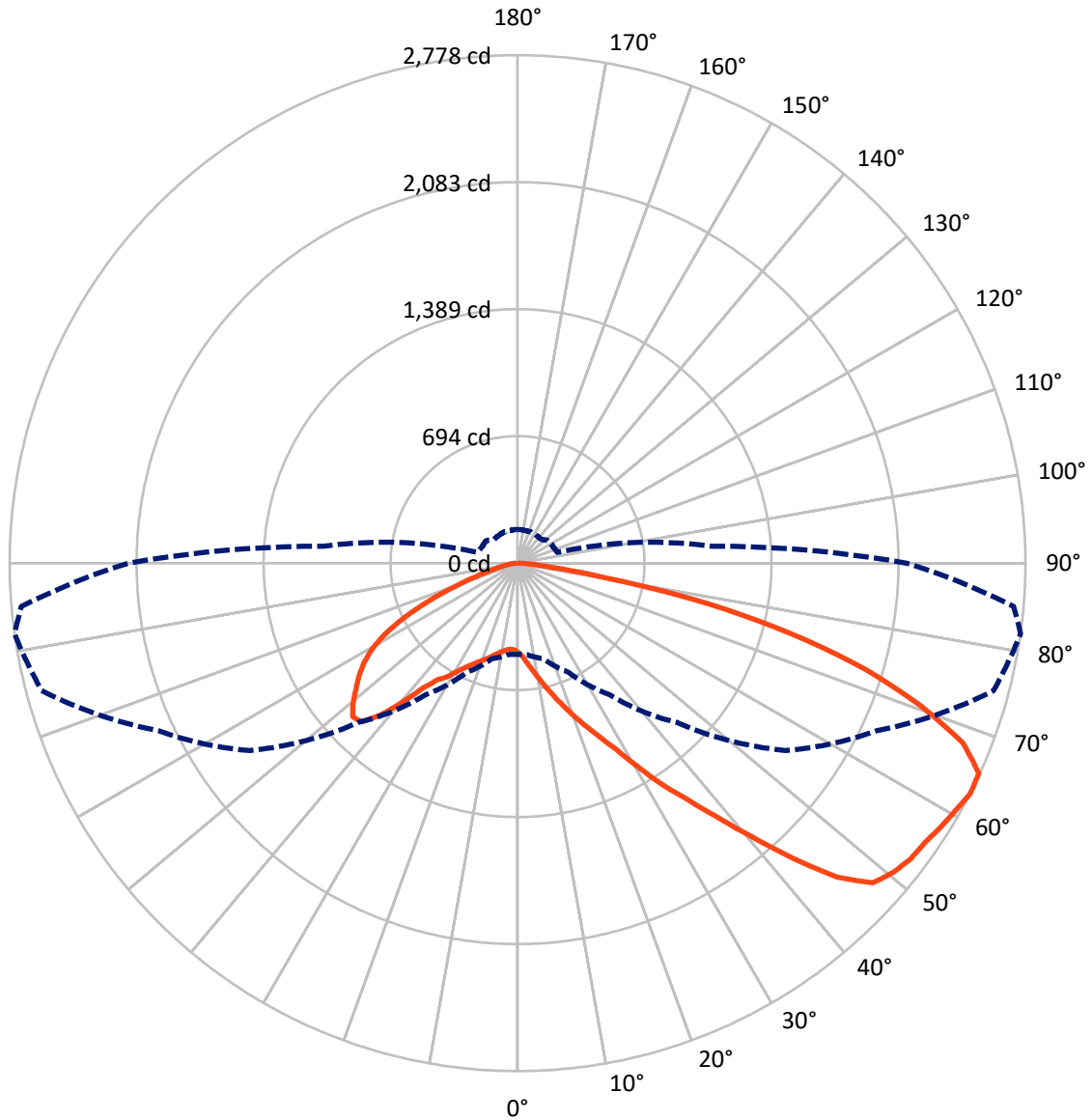
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 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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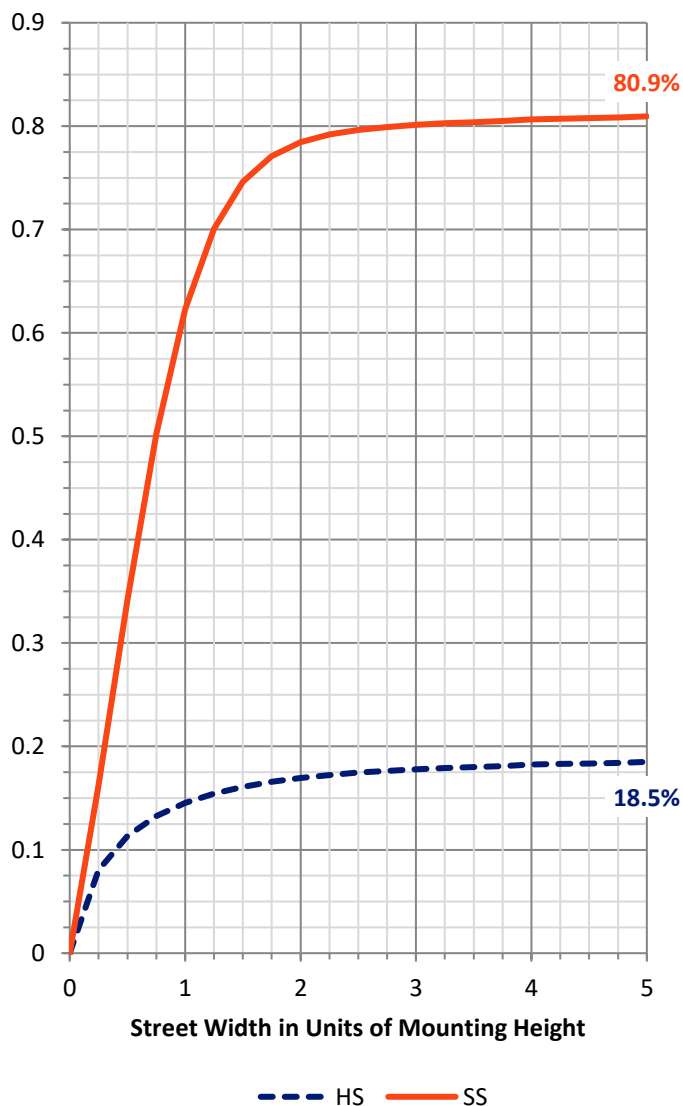
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	865.2	0.0	865.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	3727.3	0.0	3727.3
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	4592.5	0.0	4592.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.0	1.2
10°-20°	203.8	4.4
20°-30°	422.1	9.2
30°-40°	716.5	15.6
40°-50°	975.7	21.2
50°-60°	987.6	21.5
60°-70°	778.4	16.9
70°-80°	383.4	8.3
80°-90°	70.9	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°	4592.5	100.0
0°-180°	4592.5	100.0

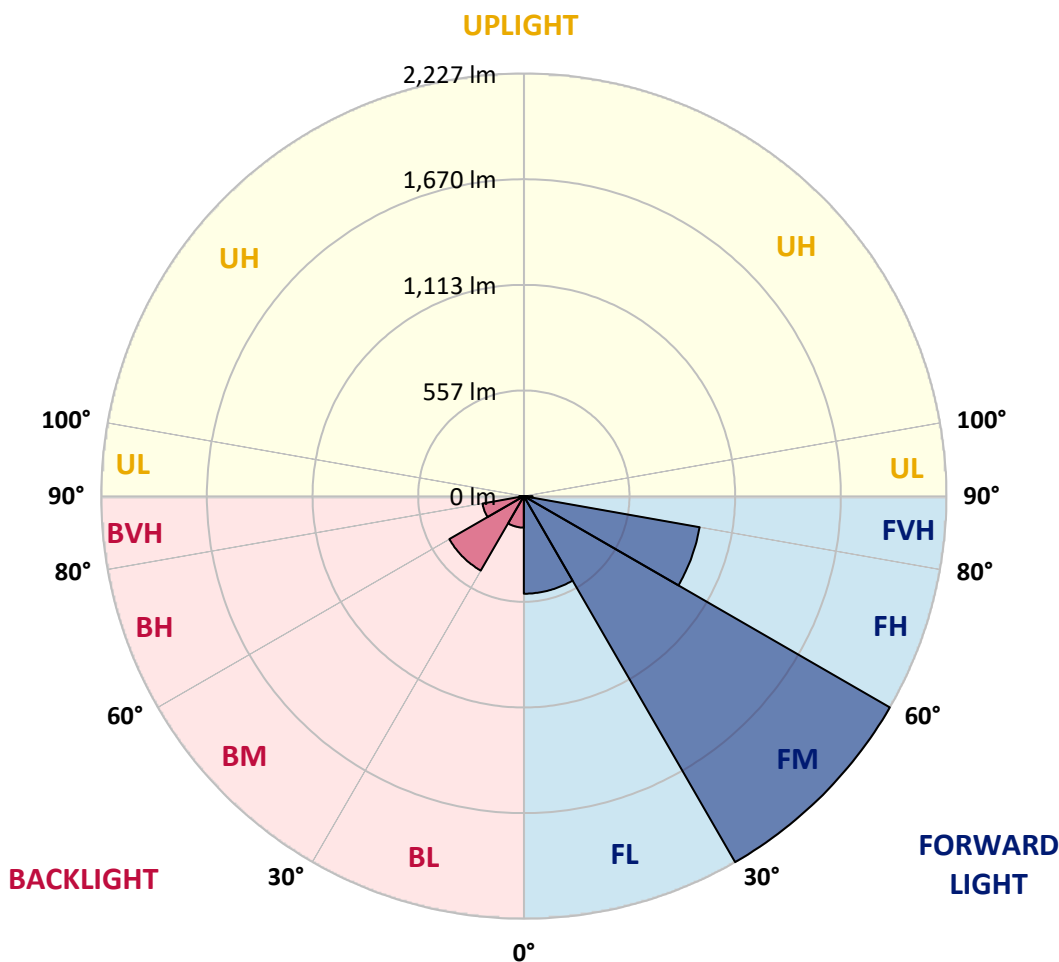


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	514.0	11.2			
FM (30°-60°)	2226.6	48.5			
FH (60°-80°)	940.6	20.5			G1/1800
FVH (80°-90°)	46.1	1.0			G1/100
BL (0°-30°)	166.0	3.6	B1/500		
BM (30°-60°)	453.2	9.9	B1/1000		
BH (60°-80°)	221.2	4.8	B1/500		G1/500
BVH (80°-90°)	24.8	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°	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4
2.5°	650.4	640.5	635.2	629.2	612.7	602.1	582.3	559.1	532.4	509.5	505.2
5°	787.6	777.7	779.0	764.5	740.3	717.9	680.8	637.2	586.3	547.2	533.7
7.5°	884.5	873.6	876.2	870.3	850.8	826.0	779.0	722.8	648.4	590.6	568.7
10°	949.3	950.6	952.6	950.3	937.8	920.2	873.6	811.4	718.9	641.8	612.1
12.5°	1022.7	1026.4	1025.7	1026.7	1020.1	1006.2	960.6	902.0	793.9	697.0	658.3
15°	1116.3	1112.7	1115.6	1119.9	1112.7	1097.5	1057.1	987.7	872.6	758.5	710.6
17.5°	1218.8	1211.2	1219.1	1214.8	1209.6	1199.6	1155.3	1081.3	954.0	825.0	768.8
20°	1307.4	1302.5	1306.8	1307.4	1308.4	1306.4	1260.8	1182.1	1039.3	897.4	831.6
22.5°	1407.0	1404.6	1404.0	1404.3	1405.3	1407.6	1376.5	1292.5	1133.8	973.5	899.4
25°	1546.2	1543.9	1528.6	1511.8	1501.9	1509.1	1492.9	1417.9	1238.3	1058.8	973.8
27.5°	1702.2	1698.6	1678.4	1635.8	1604.0	1609.3	1607.7	1556.1	1358.7	1156.6	1063.1
30°	1864.3	1855.3	1827.6	1767.7	1717.8	1708.5	1713.1	1696.0	1510.1	1286.6	1187.4
32.5°	2008.8	1992.2	1955.5	1895.0	1835.5	1808.7	1809.4	1817.0	1674.8	1438.0	1317.7
35°	2097.0	2086.1	2058.7	1997.5	1931.1	1913.2	1908.2	1946.3	1825.9	1578.2	1434.4
37.5°	2144.7	2134.1	2104.6	2055.4	2005.1	1997.8	2007.1	2066.0	1997.5	1753.2	1593.1
40°	2136.1	2124.8	2105.6	2071.3	2038.2	2043.8	2084.8	2175.7	2185.0	1962.5	1819.3
42.5°	2065.3	2053.4	2051.7	2049.4	2033.9	2058.7	2132.8	2256.1	2357.3	2204.2	2093.1
45°	1940.3	1933.0	1941.6	1981.3	2000.8	2048.8	2155.2	2295.1	2508.7	2449.9	2352.0
47.5°	1781.9	1777.6	1797.1	1860.0	1923.1	2018.3	2170.1	2305.7	2612.9	2612.9	2521.6
50°	1604.7	1603.0	1628.8	1720.1	1819.0	1962.5	2168.5	2315.6	2658.5	2660.8	2581.5
52.5°	1357.4	1366.0	1434.7	1555.1	1689.3	1874.8	2145.3	2343.4	2684.3	2689.6	2621.5
55°	1072.3	1080.6	1184.4	1346.4	1518.4	1768.4	2076.2	2335.1	2689.3	2701.2	2644.3
57.5°	856.1	857.7	922.5	1115.0	1327.9	1632.1	1996.5	2280.2	2674.7	2726.6	2679.3
60°	669.9	675.2	718.5	871.0	1107.0	1456.6	1907.6	2226.0	2683.0	2750.8	2711.1
62.5°	499.0	500.3	540.6	658.7	879.6	1232.7	1786.9	2168.1	2694.5	2777.9	2724.0
65°	325.0	324.7	363.7	470.2	657.0	991.0	1597.4	2077.5	2695.5	2771.9	2664.8
67.5°	206.7	208.0	224.8	292.0	439.8	748.0	1339.5	1909.2	2648.6	2627.8	2449.2
70°	167.6	168.0	173.3	190.8	267.8	511.2	1006.9	1646.0	2500.1	2340.4	2128.8
72.5°	149.5	149.8	152.4	154.4	178.6	307.2	660.7	1336.5	2236.3	1994.9	1766.1
75°	134.2	134.2	135.9	133.9	146.5	192.8	375.0	1004.9	1841.8	1553.4	1334.2
77.5°	117.7	117.4	117.4	116.4	126.6	140.9	187.8	701.3	1326.6	1059.4	865.3
80°	99.9	99.2	100.2	99.5	109.4	106.8	109.4	432.8	719.2	485.7	368.4
82.5°	77.7	77.7	80.7	81.3	90.3	77.4	77.0	205.3	273.1	181.5	135.9
85°	40.7	45.6	61.5	64.1	68.1	48.6	56.5	95.9	109.4	69.4	49.6
87.5°	12.2	12.9	37.7	42.3	42.0	24.5	34.7	46.3	51.3	30.8	20.2
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°	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4
2.5°	494.3	482.8	458.3	436.5	419.9	404.1	393.2	387.5	380.3	381.3	378.9
5°	509.5	485.7	442.4	407.4	383.9	366.0	355.1	349.5	344.2	341.6	343.6
7.5°	532.4	495.3	434.8	392.5	368.0	352.8	346.9	345.2	343.9	342.9	344.5
10°	561.8	512.2	433.5	387.2	364.7	355.5	353.1	352.2	350.8	349.5	350.5
12.5°	591.9	530.7	438.1	388.5	370.0	363.1	360.1	358.8	355.5	353.8	354.1
15°	629.6	553.2	444.4	393.8	377.0	368.0	364.1	360.4	355.1	352.8	353.8
17.5°	669.9	580.0	453.0	398.8	379.6	368.7	360.7	355.5	350.2	346.9	347.2
20°	715.5	606.4	460.6	400.4	378.3	363.1	353.5	347.2	340.2	336.6	335.6
22.5°	762.8	634.2	466.6	399.1	371.0	353.5	342.6	335.0	326.7	321.1	321.4
25°	820.4	671.9	471.5	394.5	361.4	340.9	328.7	319.1	310.5	305.2	305.5
27.5°	889.5	714.6	477.5	387.2	349.8	327.4	313.1	303.5	295.3	290.3	289.7
30°	981.7	770.1	484.1	378.3	335.3	312.5	298.6	288.7	280.7	276.1	276.1
32.5°	1085.6	837.9	488.7	367.7	319.1	296.6	284.0	276.1	270.1	263.9	263.2
35°	1175.8	890.5	502.9	359.4	304.9	281.7	273.1	267.5	258.6	252.6	251.6
37.5°	1308.4	983.1	544.9	357.1	287.7	270.1	268.5	257.9	247.7	236.4	235.4
40°	1522.0	1143.4	593.9	345.9	269.8	263.9	262.2	248.0	223.9	216.9	215.6
42.5°	1793.8	1336.5	599.2	313.1	257.3	258.6	253.6	225.8	215.3	210.0	208.6
45°	2039.2	1493.3	569.1	279.7	248.0	250.6	240.4	217.6	211.6	206.7	205.3
47.5°	2177.1	1541.5	512.2	254.6	241.1	243.7	219.2	213.6	207.7	202.7	201.4
50°	2215.8	1499.5	446.1	240.1	235.8	236.8	213.6	210.3	205.0	201.0	199.1
52.5°	2223.4	1436.7	384.9	231.5	231.8	222.9	208.6	206.0	202.7	196.4	194.1
55°	2226.7	1380.2	330.0	226.2	229.1	205.0	203.4	201.4	198.7	192.1	190.8
57.5°	2235.3	1307.8	287.0	222.2	225.8	196.7	197.4	196.1	192.8	189.8	189.1
60°	2210.8	1207.6	253.9	218.2	221.2	189.8	190.5	191.1	188.1	187.5	187.2
62.5°	2128.8	1065.4	225.8	212.9	211.6	182.9	182.9	185.5	182.9	183.8	183.8
65°	1959.8	884.2	200.7	203.0	196.7	175.2	174.9	179.5	175.6	179.9	180.2
67.5°	1671.8	669.3	174.9	187.5	181.2	167.3	168.6	172.3	167.0	175.9	175.9
70°	1323.3	455.3	148.1	165.7	165.3	158.4	162.7	162.4	156.4	169.6	167.3
72.5°	985.7	292.3	120.7	138.9	144.5	148.8	156.7	149.8	144.2	151.8	144.8
75°	688.8	183.2	95.2	109.8	120.4	138.2	149.5	135.6	127.3	125.0	123.0
77.5°	412.3	117.1	75.1	83.7	93.9	125.7	140.2	120.7	108.1	106.8	102.8
80°	190.1	76.4	57.2	62.5	66.8	107.8	127.6	103.2	88.0	86.6	82.0
82.5°	86.0	50.3	42.7	44.6	45.0	85.6	107.8	81.7	67.1	108.8	94.2
85°	40.0	32.4	27.8	26.5	26.8	57.2	78.4	56.2	76.4	59.5	45.3
87.5°	17.2	16.5	14.2	11.2	10.3	12.2	30.1	23.5	33.4	13.2	8.9
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)