

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: P675057

Luminaire Tested: **CCW-SA-1C-850-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675057  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-850-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T3 distribution lens  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

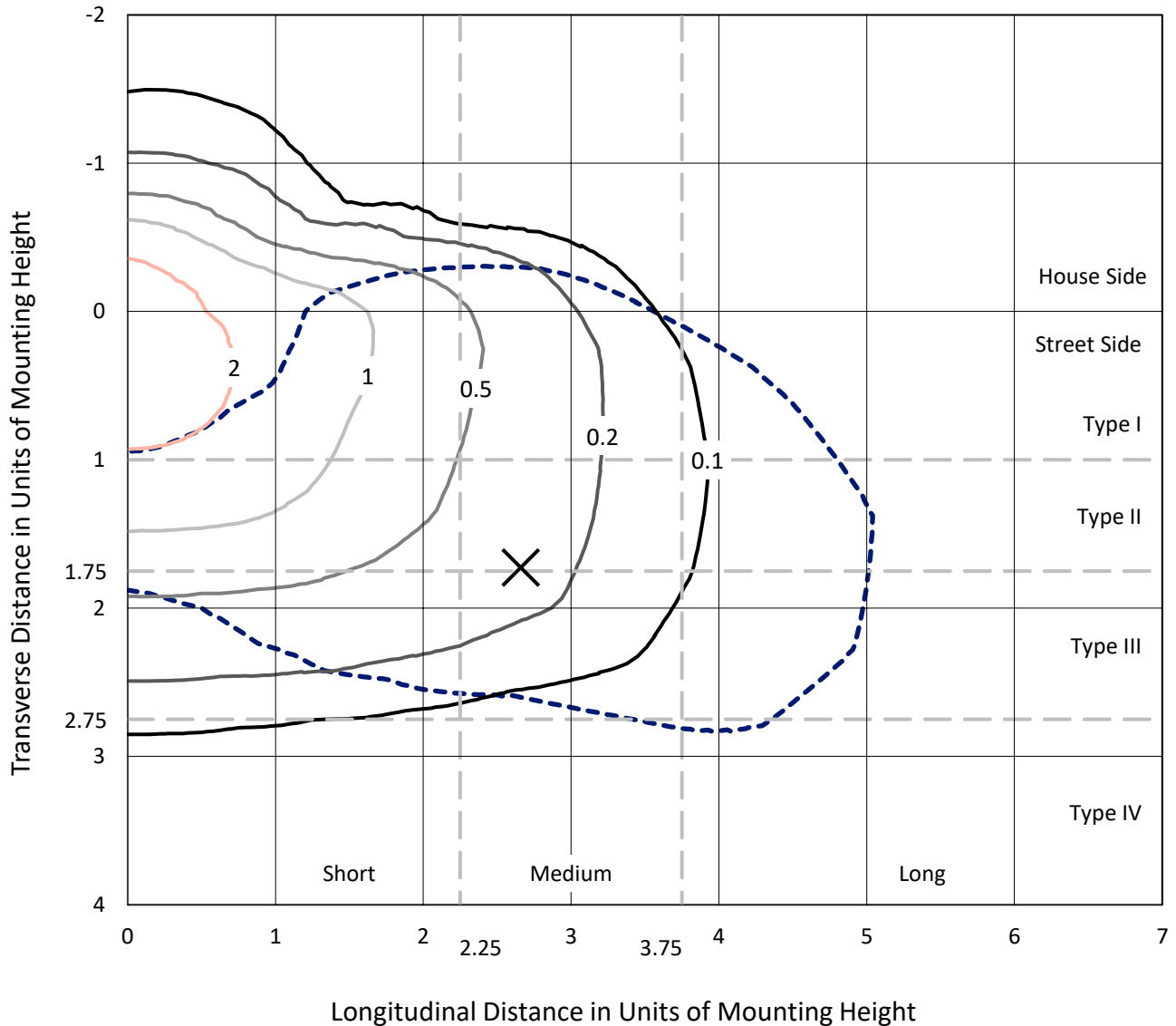
Lumens per Lamp: N/A  
Luminaire Lumens: 3986.2 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

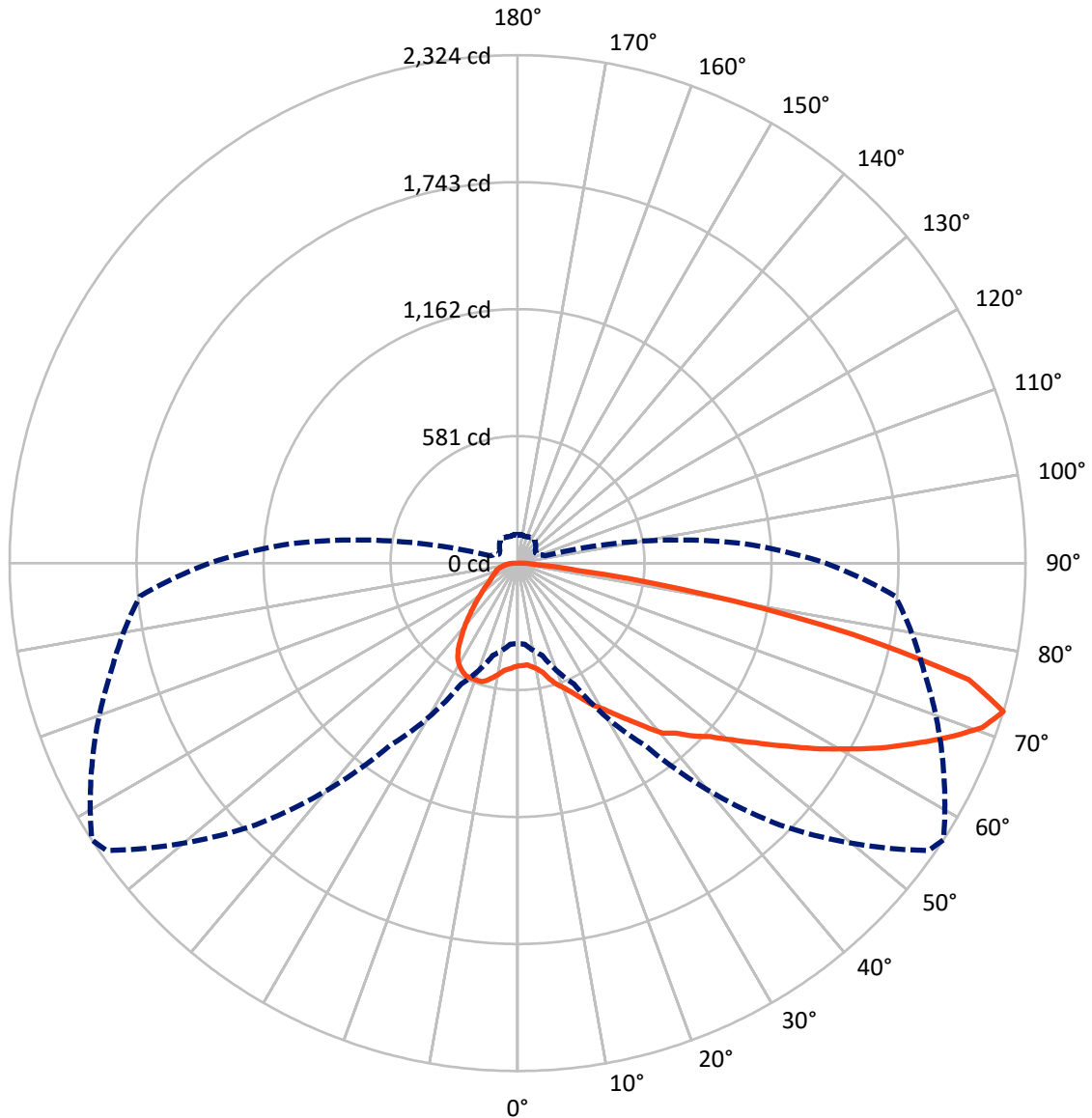
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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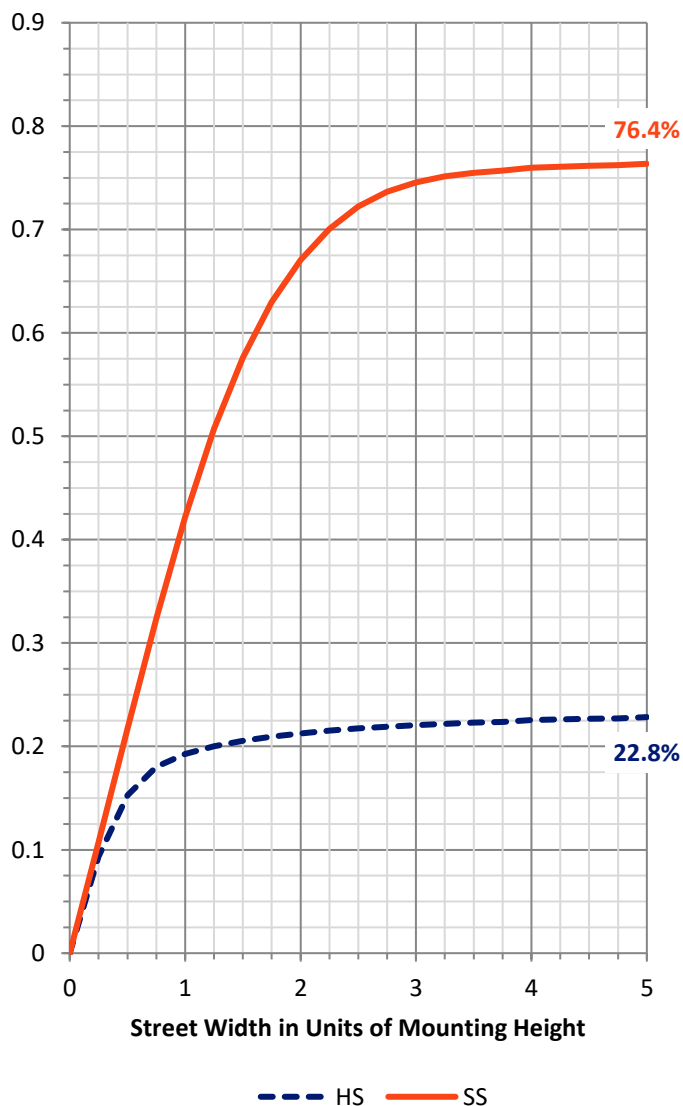
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	930.9	0.0	930.9
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	3055.3	0.0	3055.3
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	3986.2	0.0	3986.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.7	1.2
10°-20°	157.4	3.9
20°-30°	287.7	7.2
30°-40°	422.1	10.6
40°-50°	581.2	14.6
50°-60°	797.0	20.0
60°-70°	960.8	24.1
70°-80°	640.0	16.1
80°-90°	93.2	2.3
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°	3986.2	100.0
0°-180°	3986.2	100.0

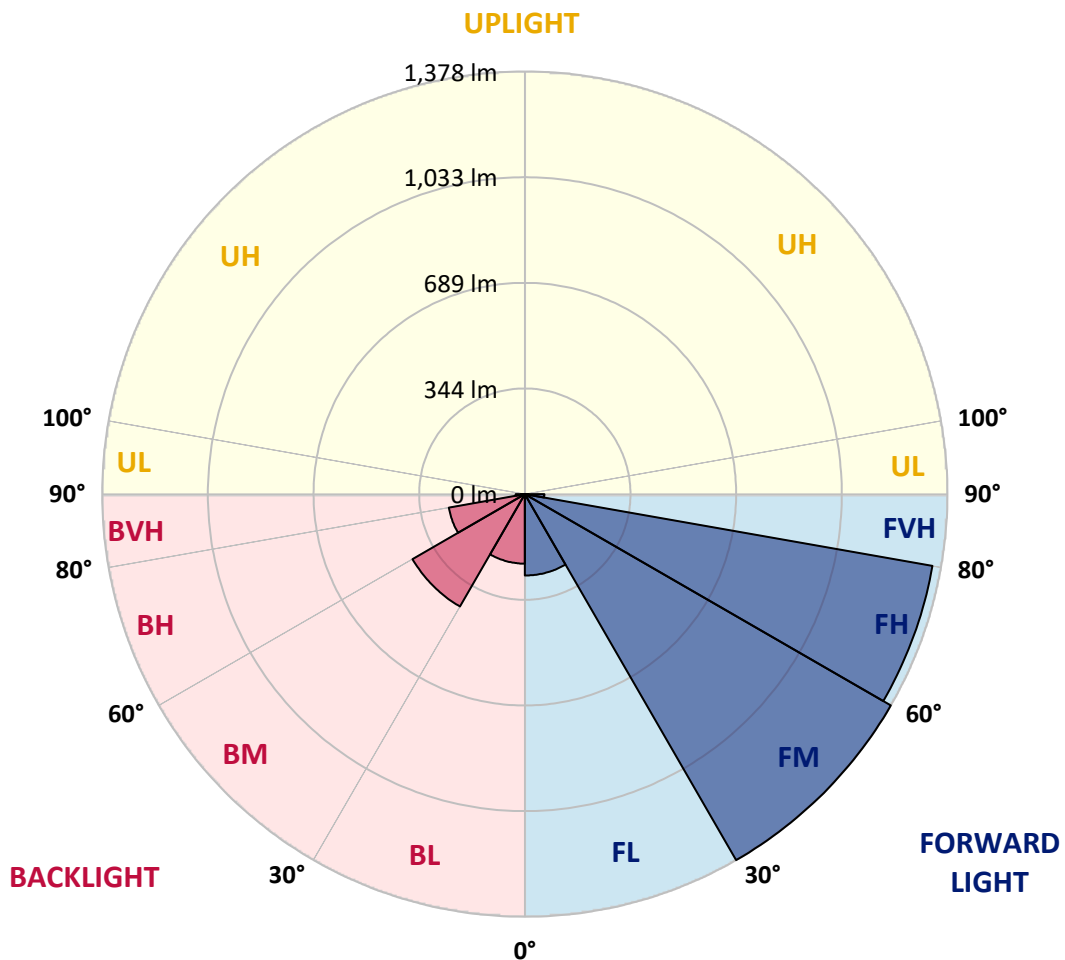


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.2	6.7			
FM (30°-60°)	1377.5	34.6			
FH (60°-80°)	1349.1	33.8			G1/1800
FVH (80°-90°)	63.5	1.6			G1/100
BL (0°-30°)	226.6	5.7	B1/500		
BM (30°-60°)	422.8	10.6	B1/1000		
BH (60°-80°)	251.7	6.3	B1/500		G1/500
BVH (80°-90°)	29.7	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-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	470.5	470.5	470.5	470.5	470.5	470.5	470.5	470.5	470.5	470.5	470.5
2.5°	461.8	463.2	466.1	464.7	464.7	460.3	467.6	469.0	466.1	467.6	470.5
5°	461.8	464.7	469.0	466.1	467.6	466.1	463.2	467.6	467.6	469.0	473.4
7.5°	486.5	485.0	485.0	480.7	479.2	477.8	479.2	479.2	476.3	477.8	477.8
10°	514.1	514.1	511.2	511.2	508.3	501.0	493.7	492.3	487.9	489.4	489.4
12.5°	543.1	546.0	548.9	540.2	537.3	525.7	521.3	512.6	512.6	509.7	508.3
15°	579.4	575.1	578.0	575.1	567.8	556.2	548.9	550.4	540.2	537.3	532.9
17.5°	611.4	612.8	608.5	605.6	592.5	583.8	585.2	583.8	570.7	566.3	559.1
20°	649.1	647.7	647.7	639.0	627.3	615.7	611.4	609.9	612.8	604.1	586.7
22.5°	688.3	682.5	682.5	675.3	659.3	652.0	649.1	643.3	646.2	639.0	612.8
25°	720.3	720.3	730.4	715.9	707.2	692.7	686.9	688.3	689.8	675.3	644.8
27.5°	762.4	755.1	765.3	758.0	753.7	737.7	730.4	734.8	731.9	715.9	673.8
30°	816.1	817.6	811.8	801.6	795.8	784.2	779.8	775.5	779.8	759.5	705.8
32.5°	882.9	887.3	872.8	861.1	851.0	839.4	830.6	826.3	830.6	800.1	730.4
35°	959.9	964.2	952.6	939.6	927.9	898.9	891.6	884.4	868.4	819.0	753.7
37.5°	1031.0	1025.2	1022.3	1022.3	1000.5	958.4	954.1	949.7	919.2	856.8	785.6
40°	1079.0	1086.2	1083.3	1080.4	1077.5	1038.3	1029.6	1022.3	971.5	913.4	830.6
42.5°	1132.7	1128.3	1139.9	1144.3	1134.1	1122.5	1087.7	1063.0	1018.0	971.5	897.4
45°	1196.6	1193.7	1198.0	1214.0	1199.5	1203.8	1145.8	1128.3	1071.7	1044.1	981.7
47.5°	1253.2	1260.5	1282.3	1286.6	1275.0	1295.3	1214.0	1186.4	1150.1	1128.3	1068.8
50°	1277.9	1286.6	1336.0	1366.5	1367.9	1399.9	1282.3	1270.6	1221.3	1230.0	1177.7
52.5°	1257.6	1285.2	1344.7	1424.6	1473.9	1505.9	1372.3	1366.5	1321.5	1349.1	1296.8
55°	1276.5	1302.6	1341.8	1453.6	1578.5	1585.8	1497.2	1475.4	1430.4	1468.1	1420.2
57.5°	1285.2	1270.6	1344.7	1485.6	1655.5	1674.3	1616.3	1600.3	1565.4	1601.7	1574.1
60°	1216.9	1234.3	1304.0	1476.9	1659.8	1768.7	1749.9	1726.6	1694.7	1728.1	1712.1
62.5°	1139.9	1151.6	1227.1	1424.6	1684.5	1837.0	1879.1	1861.7	1816.7	1845.7	1873.3
65°	1042.7	1044.1	1128.3	1331.6	1636.6	1876.2	1992.4	1990.9	1959.0	1951.7	1995.3
67.5°	923.6	935.2	1002.0	1232.9	1571.2	1919.8	2104.2	2126.0	2062.1	2005.4	2021.4
70°	708.7	720.3	784.2	1010.7	1437.6	1906.7	2242.1	2253.8	2128.9	1985.1	1944.4
72.5°	368.8	371.8	437.1	609.9	1019.4	1693.2	2293.0	2323.5	2146.3	1925.6	1733.9
75°	122.0	122.0	149.6	232.3	480.7	1083.3	2076.6	2131.8	2060.6	1777.4	1418.8
77.5°	72.6	74.1	88.6	116.2	191.7	432.7	1463.8	1561.1	1686.0	1511.7	1036.8
80°	52.3	53.7	66.8	79.9	114.7	139.4	734.8	869.8	1035.4	973.0	553.3
82.5°	39.2	39.2	52.3	59.5	78.4	82.8	204.8	280.3	447.3	348.5	152.5
85°	40.7	40.7	40.7	42.1	53.7	47.9	85.7	91.5	130.7	114.7	42.1
87.5°	14.5	16.0	40.7	27.6	27.6	20.3	33.4	36.3	46.5	47.9	16.0
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°	470.5	470.5	470.5	470.5	470.5	470.5	470.5	470.5	470.5	470.5	470.5
2.5°	472.0	472.0	473.4	473.4	476.3	479.2	483.6	480.7	480.7	482.1	480.7
5°	470.5	472.0	476.3	483.6	486.5	487.9	496.6	496.6	496.6	499.5	499.5
7.5°	476.3	479.2	486.5	493.7	495.2	499.5	511.2	514.1	521.3	524.2	525.7
10°	490.8	495.2	501.0	509.7	515.5	521.3	530.0	540.2	538.8	547.5	548.9
12.5°	512.6	511.2	521.3	530.0	535.8	544.6	547.5	547.5	547.5	547.5	550.4
15°	530.0	532.9	541.7	547.5	554.7	553.3	547.5	541.7	543.1	541.7	541.7
17.5°	556.2	556.2	563.4	564.9	567.8	553.3	544.6	544.6	548.9	548.9	546.0
20°	582.3	580.9	583.8	582.3	563.4	546.0	544.6	546.0	547.5	546.0	544.6
22.5°	607.0	604.1	599.7	593.9	560.5	544.6	541.7	534.4	527.1	527.1	522.8
25°	628.8	625.9	614.3	596.8	559.1	535.8	521.3	503.9	495.2	490.8	496.6
27.5°	649.1	643.3	627.3	596.8	546.0	512.6	485.0	463.2	456.0	450.2	456.0
30°	676.7	666.5	644.8	592.5	525.7	476.3	438.6	412.4	405.2	396.4	399.3
32.5°	701.4	678.2	659.3	579.4	499.5	435.6	392.1	365.9	352.9	345.6	351.4
35°	727.5	704.3	665.1	559.1	458.9	386.3	342.7	318.0	307.9	297.7	297.7
37.5°	753.7	740.6	673.8	521.3	409.5	339.8	300.6	281.7	264.3	245.4	245.4
40°	808.9	791.4	684.0	477.8	360.1	294.8	267.2	242.5	225.1	198.9	197.5
42.5°	866.9	829.2	684.0	425.5	316.6	262.8	236.7	210.6	178.6	162.6	164.1
45°	941.0	897.4	665.1	379.0	273.0	236.7	207.7	174.3	159.7	149.6	149.6
47.5°	1033.9	965.7	641.9	328.2	238.2	213.5	177.2	156.8	146.7	138.0	136.5
50°	1144.3	1028.1	612.8	284.6	209.1	191.7	161.2	145.2	136.5	130.7	130.7
52.5°	1260.5	1119.6	592.5	245.4	185.9	162.6	149.6	139.4	132.1	127.8	126.3
55°	1378.1	1211.1	578.0	203.3	164.1	149.6	146.7	138.0	135.1	130.7	127.8
57.5°	1510.3	1286.6	575.1	174.3	146.7	143.8	149.6	142.3	138.0	133.6	129.2
60°	1652.6	1388.3	548.9	151.0	138.0	140.9	145.2	138.0	135.1	130.7	127.8
62.5°	1793.4	1463.8	477.8	133.6	129.2	132.1	138.0	132.1	127.8	129.2	130.7
65°	1851.5	1469.6	370.3	120.5	119.1	120.5	129.2	127.8	123.4	132.1	132.1
67.5°	1793.4	1417.3	261.4	108.9	108.9	116.2	130.7	133.6	129.2	140.9	139.4
70°	1661.3	1288.1	177.2	101.7	104.6	123.4	135.1	132.1	126.3	140.9	138.0
72.5°	1410.1	1031.0	129.2	94.4	98.7	117.6	133.6	130.7	126.3	132.1	126.3
75°	1058.6	733.3	101.7	85.7	87.1	106.0	138.0	130.7	119.1	116.2	111.8
77.5°	707.2	453.1	78.4	75.5	75.5	92.9	132.1	122.0	107.5	103.1	101.7
80°	336.9	181.5	62.4	63.9	65.3	79.9	120.5	108.9	97.3	91.5	91.5
82.5°	107.5	68.3	52.3	52.3	52.3	65.3	100.2	91.5	84.2	79.9	72.6
85°	37.8	37.8	45.0	46.5	42.1	47.9	82.8	78.4	69.7	58.1	56.6
87.5°	14.5	21.8	30.5	36.3	26.1	33.4	59.5	55.2	50.8	37.8	36.3
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)