

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: P674791

Luminaire Tested: **CCW-SA-1B-722-U-T2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674791  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-722-U-T2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
T2 distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

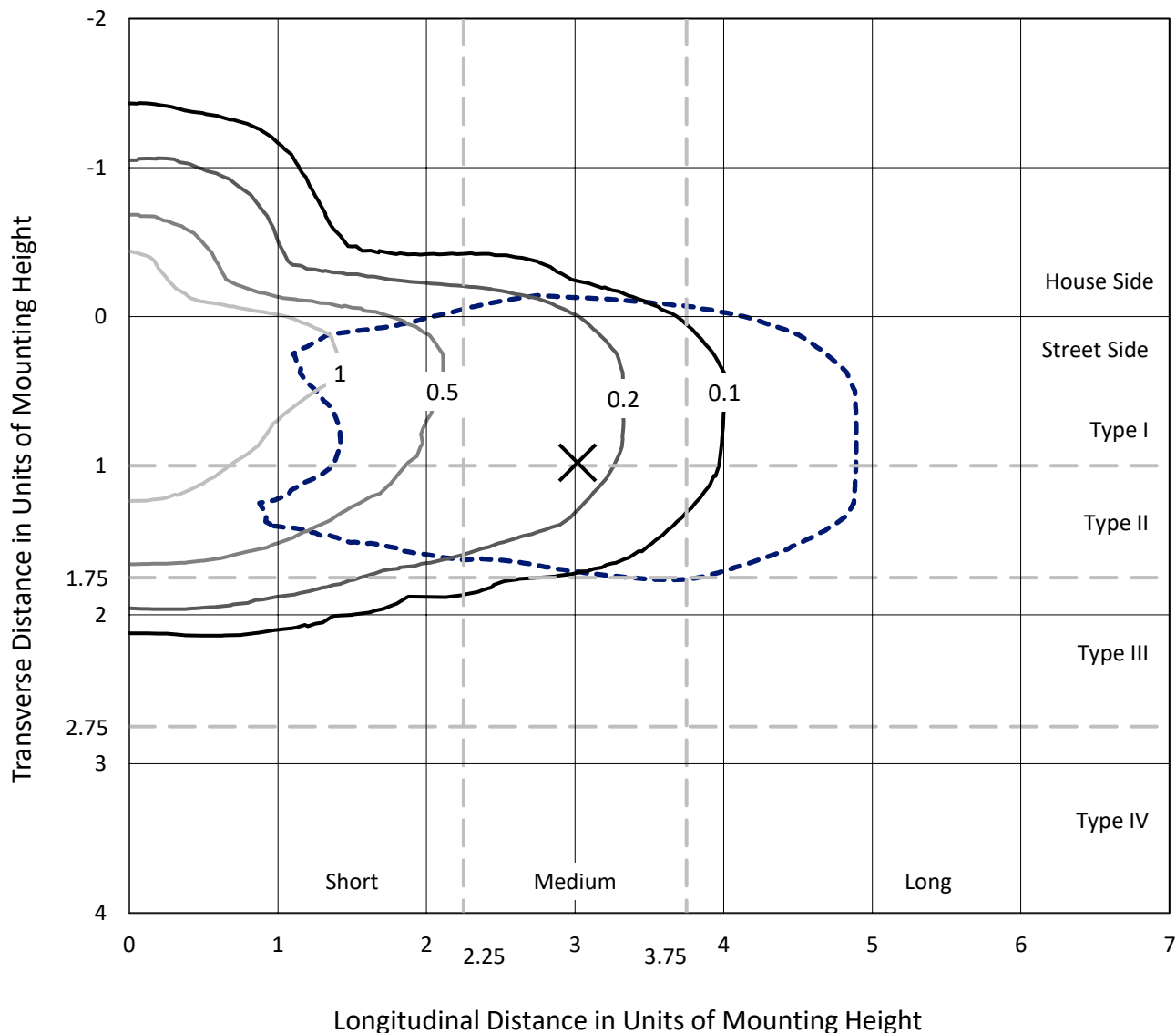
Lumens per Lamp: N/A  
Luminaire Lumens: 2537.6 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P674791  
 CATALOG NUMBER: CCW-SA-1B-722-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

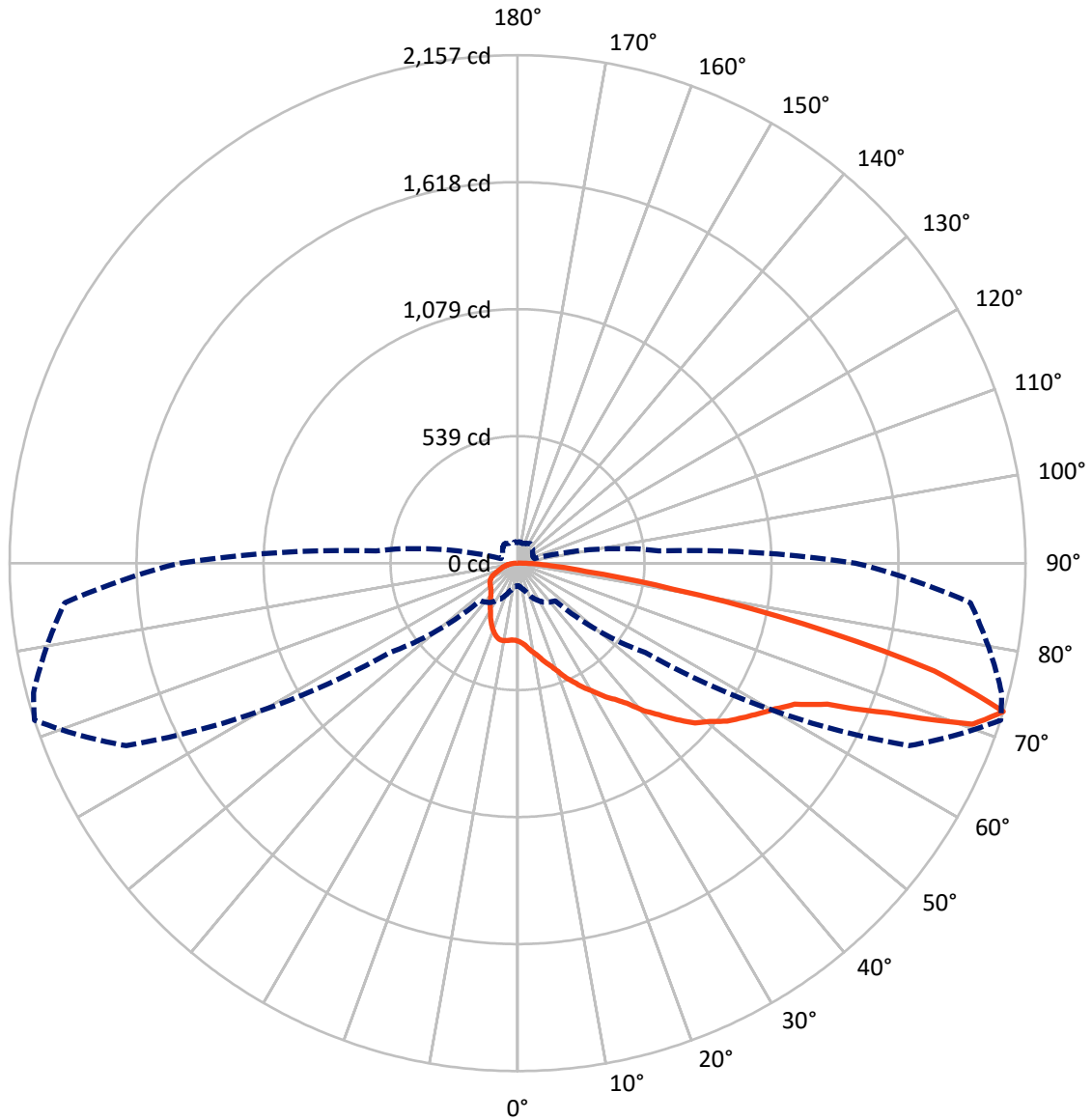
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674791  
CATALOG NUMBER: CCW-SA-1B-722-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P674791  
 CATALOG NUMBER: CCW-SA-1B-722-U-T2

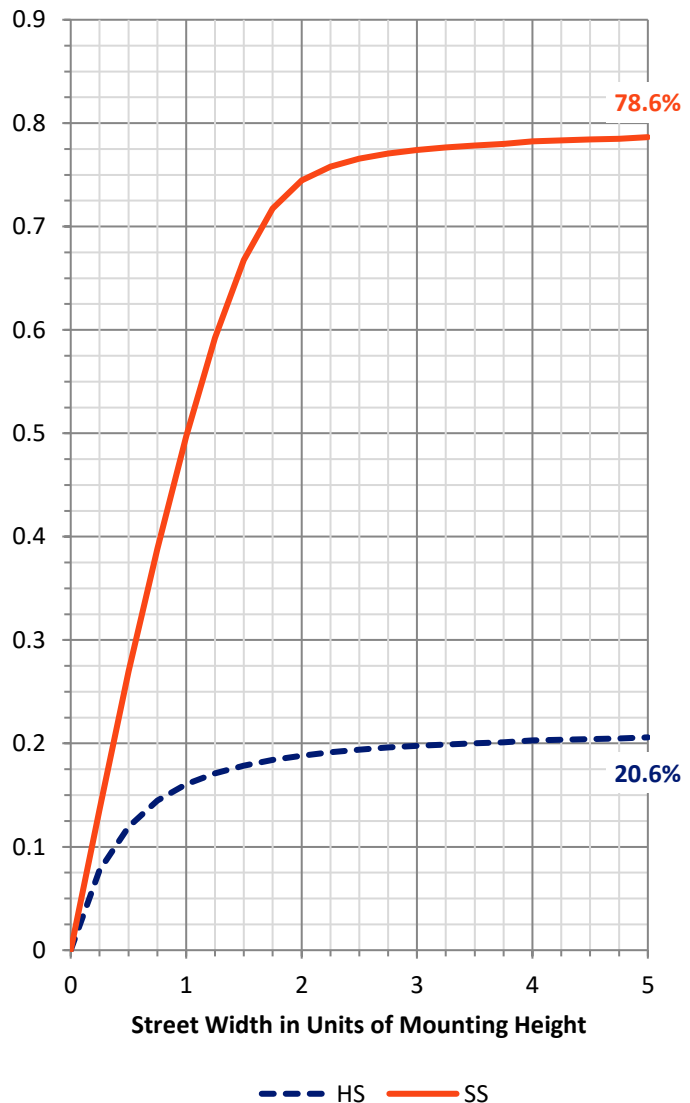
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	534.0	0.0	534.0
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	2003.5	0.0	2003.5
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	2537.6	0.0	2537.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.8	1.3
10°-20°	101.8	4.0
20°-30°	176.2	6.9
30°-40°	260.3	10.3
40°-50°	387.1	15.3
50°-60°	530.6	20.9
60°-70°	575.6	22.7
70°-80°	405.8	16.0
80°-90°	67.4	2.7
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°	2537.6	100.0
0°-180°	2537.6	100.0



REPORT NUMBER: P674791

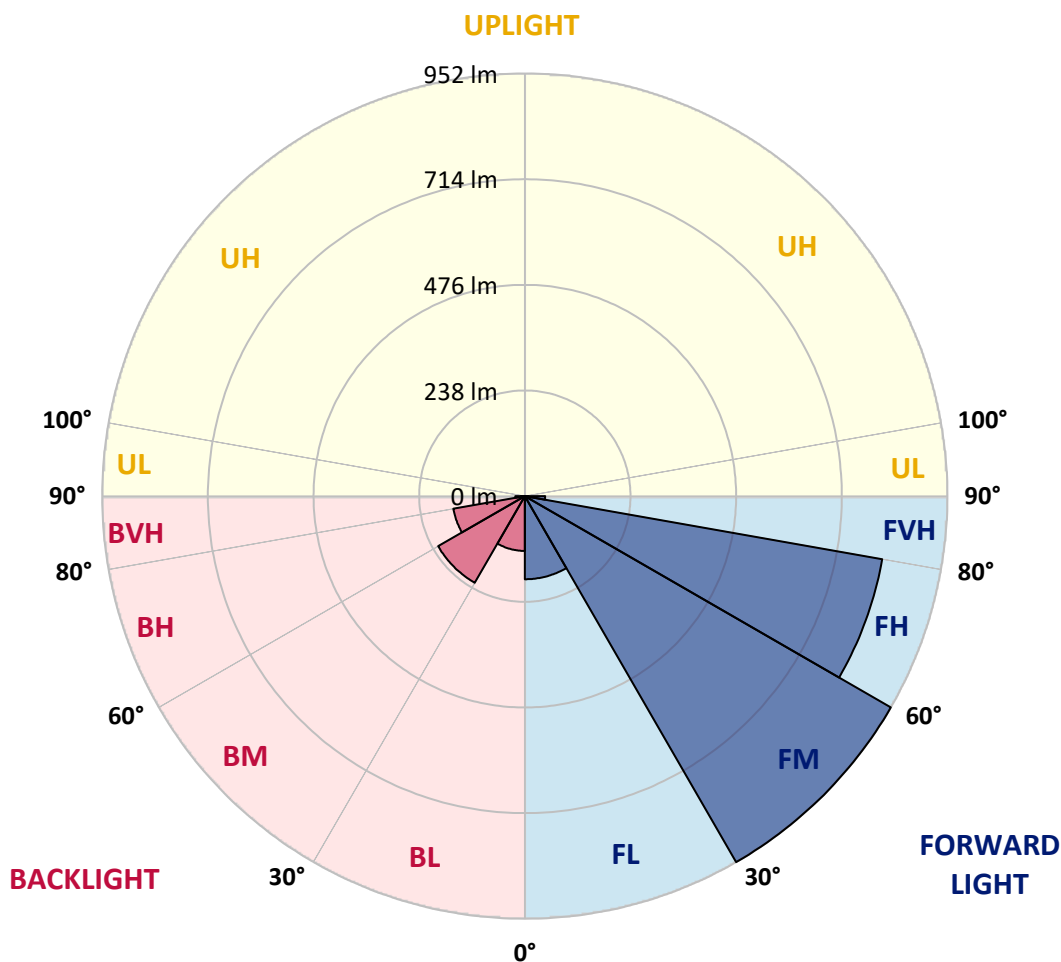
CATALOG NUMBER: CCW-SA-1B-722-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.4	7.4			
FM (30°-60°)	952.4	37.5			
FH (60°-80°)	817.8	32.2			G1/1800
FVH (80°-90°)	46.0	1.8			G1/100
BL (0°-30°)	123.4	4.9	B1/500		
BM (30°-60°)	225.6	8.9	B1/1000		
BH (60°-80°)	163.6	6.4	B1/500		G1/500
BVH (80°-90°)	21.5	0.8			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 Medium





REPORT NUMBER: P674791  
 CATALOG NUMBER: CCW-SA-1B-722-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	357.7	357.7	354.9	354.0	354.0	346.5	347.4	342.7	339.0	339.0	335.2
5°	376.4	374.6	374.6	374.6	369.9	367.1	366.1	357.7	351.1	352.1	340.8
7.5°	381.1	382.0	383.0	387.7	384.9	386.7	384.9	375.5	370.8	366.1	355.8
10°	383.9	385.8	385.8	392.3	392.3	397.0	399.8	396.1	387.7	383.0	366.1
12.5°	390.5	387.7	391.4	396.1	400.8	409.2	417.6	413.9	408.3	402.6	383.9
15°	390.5	391.4	394.2	401.7	409.2	417.6	432.6	438.2	435.4	425.1	405.5
17.5°	379.2	376.4	389.5	403.6	417.6	427.9	447.6	460.7	458.8	455.1	425.1
20°	380.2	383.0	387.7	399.8	422.3	441.0	465.4	486.9	491.6	489.7	451.3
22.5°	397.0	398.0	402.6	408.3	426.1	450.4	486.9	521.6	530.0	525.3	480.4
25°	413.9	421.4	421.4	425.1	431.7	457.0	501.0	549.7	561.8	562.8	510.3
27.5°	441.0	442.9	448.5	450.4	456.0	471.0	516.9	570.3	598.3	594.6	537.5
30°	472.9	473.8	477.6	475.7	476.6	495.3	531.9	593.7	632.1	633.0	566.5
32.5°	510.3	517.8	519.7	507.5	509.4	514.1	555.3	621.8	674.2	667.6	591.8
35°	565.6	568.4	562.8	557.1	543.1	540.3	579.6	649.8	710.7	718.2	629.2
37.5°	633.9	641.4	633.9	604.0	589.0	577.7	609.6	680.7	754.7	780.0	666.7
40°	697.6	696.7	689.2	662.0	635.8	627.4	652.7	723.8	823.1	847.4	721.0
42.5°	749.1	746.3	741.6	721.0	696.7	682.6	702.3	768.8	880.2	927.0	783.7
45°	794.0	790.3	791.2	767.8	744.4	751.9	751.9	820.3	947.6	1005.7	855.9
47.5°	836.2	838.1	835.3	817.5	799.7	819.3	809.0	879.3	1014.1	1078.7	916.7
50°	884.9	888.6	879.3	868.0	852.1	871.8	858.7	934.5	1057.2	1145.2	989.8
52.5°	930.8	934.5	942.9	928.9	913.0	928.9	898.9	986.0	1114.3	1209.8	1045.9
55°	942.0	940.1	986.9	1001.9	1010.4	962.6	934.5	1030.0	1159.2	1251.0	1109.6
57.5°	890.5	895.2	958.9	1001.9	1091.8	1050.6	974.8	1081.5	1206.1	1305.3	1168.6
60°	762.2	765.0	844.6	946.7	1077.8	1133.0	1083.4	1148.0	1257.6	1351.2	1235.1
62.5°	509.4	530.9	630.2	790.3	978.5	1155.5	1256.6	1260.4	1320.3	1409.3	1325.9
65°	268.7	279.0	356.8	486.0	741.6	1077.8	1419.6	1483.2	1445.8	1516.0	1457.0
67.5°	176.0	179.8	221.9	295.0	427.9	786.6	1438.3	1869.9	1697.7	1719.2	1666.8
70°	131.1	133.0	163.9	218.2	265.0	420.4	1178.9	2050.7	2049.7	1992.6	1915.8
72.5°	96.4	99.3	120.8	166.7	204.1	226.6	663.0	1834.4	2157.4	2128.4	1930.8
75°	75.8	77.7	89.0	129.2	164.8	148.9	336.2	1358.7	1829.7	1969.2	1766.9
77.5°	61.8	63.7	70.2	93.6	132.0	115.2	161.1	876.5	1240.7	1417.7	1352.1
80°	51.5	51.5	56.2	66.5	102.1	87.1	95.5	492.5	668.6	737.9	613.3
82.5°	44.0	43.1	46.8	48.7	75.8	62.7	61.8	222.9	294.0	311.8	230.3
85°	28.1	29.0	44.0	42.1	49.6	43.1	34.6	105.8	138.6	141.4	86.1
87.5°	11.2	11.2	18.7	23.4	28.1	26.2	16.9	47.8	60.9	60.9	24.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674791  
 CATALOG NUMBER: CCW-SA-1B-722-U-T2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	334.3	330.5	327.7	325.9	321.2	316.5	317.4	316.5	312.8	310.9	310.9
5°	338.0	334.3	329.6	322.1	317.4	311.8	313.7	309.9	306.2	309.0	304.3
7.5°	347.4	340.8	334.3	323.1	315.6	307.1	303.4	301.5	298.7	296.8	296.8
10°	360.5	351.1	339.0	322.1	309.9	296.8	295.0	291.2	288.4	288.4	287.5
12.5°	373.6	363.3	342.7	315.6	295.0	285.6	284.7	285.6	287.5	288.4	289.3
15°	390.5	373.6	341.8	303.4	282.8	279.0	283.7	287.5	291.2	295.0	294.0
17.5°	406.4	386.7	333.4	288.4	272.5	273.4	281.9	289.3	296.8	300.6	301.5
20°	427.9	398.9	321.2	270.6	262.2	270.6	281.9	291.2	299.6	304.3	305.3
22.5°	452.3	412.9	305.3	254.7	253.8	262.2	273.4	287.5	296.8	305.3	304.3
25°	473.8	422.3	284.7	241.6	243.5	249.1	262.2	277.2	286.5	295.9	293.1
27.5°	487.9	424.2	263.1	232.2	232.2	237.8	250.0	259.4	267.8	275.3	276.2
30°	503.8	420.4	238.8	220.0	220.0	227.5	232.2	237.8	242.5	244.4	246.3
32.5°	522.5	412.0	223.8	210.7	210.7	216.3	219.1	217.2	216.3	211.6	214.4
35°	540.3	399.8	206.9	198.5	202.3	205.1	204.1	198.5	192.9	184.5	181.7
37.5°	561.8	387.7	192.0	185.4	192.0	192.9	192.9	186.3	178.8	168.5	168.5
40°	594.6	378.3	179.8	177.0	183.5	182.6	177.9	173.2	176.0	170.4	170.4
42.5°	629.2	374.6	168.5	169.5	172.3	173.2	168.5	162.9	174.2	167.6	168.5
45°	672.3	377.4	161.1	160.1	166.7	165.7	162.9	158.2	162.0	145.1	140.5
47.5°	712.6	383.0	157.3	153.6	161.1	162.9	159.2	148.9	143.3	133.0	131.1
50°	749.1	395.2	153.6	146.1	153.6	157.3	150.8	139.5	133.0	126.4	126.4
52.5°	783.7	412.9	151.7	137.6	144.2	148.9	145.1	133.9	126.4	123.6	120.8
55°	819.3	428.9	148.9	132.0	133.9	143.3	142.3	127.3	119.9	119.9	118.9
57.5°	869.9	450.4	145.1	122.7	126.4	136.7	136.7	124.5	116.1	117.0	118.0
60°	921.4	475.7	141.4	113.3	116.1	130.2	132.0	120.8	113.3	114.2	113.3
62.5°	1003.8	522.5	133.9	102.1	107.7	121.7	126.4	116.1	109.6	111.4	111.4
65°	1128.3	603.0	118.0	92.7	99.3	114.2	120.8	111.4	103.9	109.6	107.7
67.5°	1328.7	713.5	99.3	85.2	93.6	106.7	114.2	105.8	99.3	107.7	104.9
70°	1508.5	767.8	85.2	78.7	85.2	98.3	106.7	100.2	93.6	102.1	98.3
72.5°	1435.5	602.1	74.0	71.2	77.7	89.0	99.3	92.7	86.1	90.8	87.1
75°	1238.8	479.4	64.6	63.7	69.3	80.5	90.8	86.1	79.6	81.5	79.6
77.5°	939.2	396.1	55.2	54.3	59.0	72.1	81.5	77.7	71.2	70.2	70.2
80°	419.5	194.8	45.9	45.9	48.7	61.8	69.3	67.4	60.9	59.9	59.0
82.5°	137.6	74.0	37.5	35.6	39.3	51.5	61.8	59.9	53.4	51.5	49.6
85°	55.2	35.6	27.2	27.2	30.9	43.1	55.2	51.5	43.1	38.4	38.4
87.5°	18.7	15.0	14.0	14.0	19.7	29.0	41.2	34.6	30.9	27.2	28.1
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)