

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: P674935

Luminaire Tested: **CCW-SA-1B-722-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674935  
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-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
T3 distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

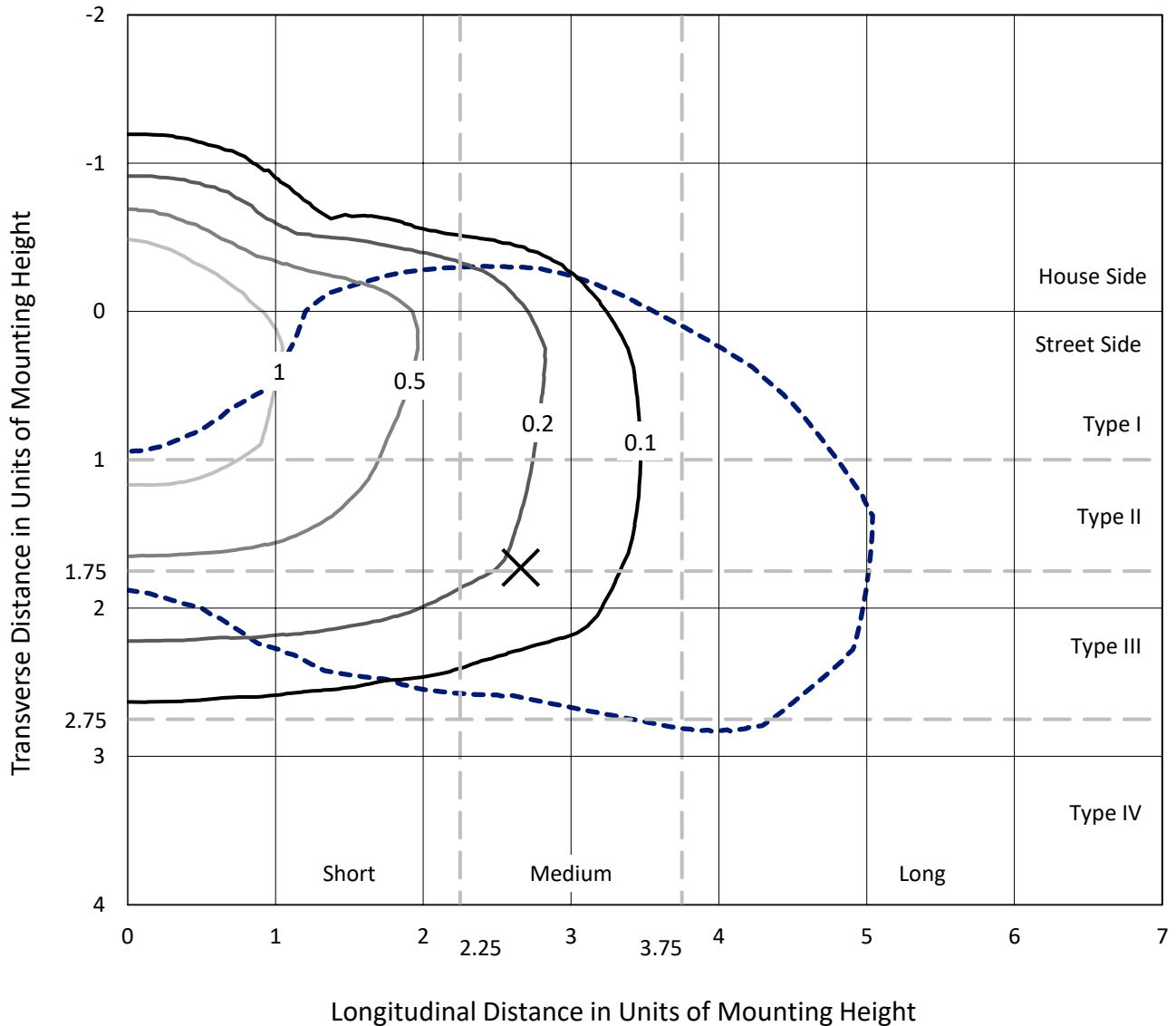
Lumens per Lamp: N/A  
Luminaire Lumens: 2570.3 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24  
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

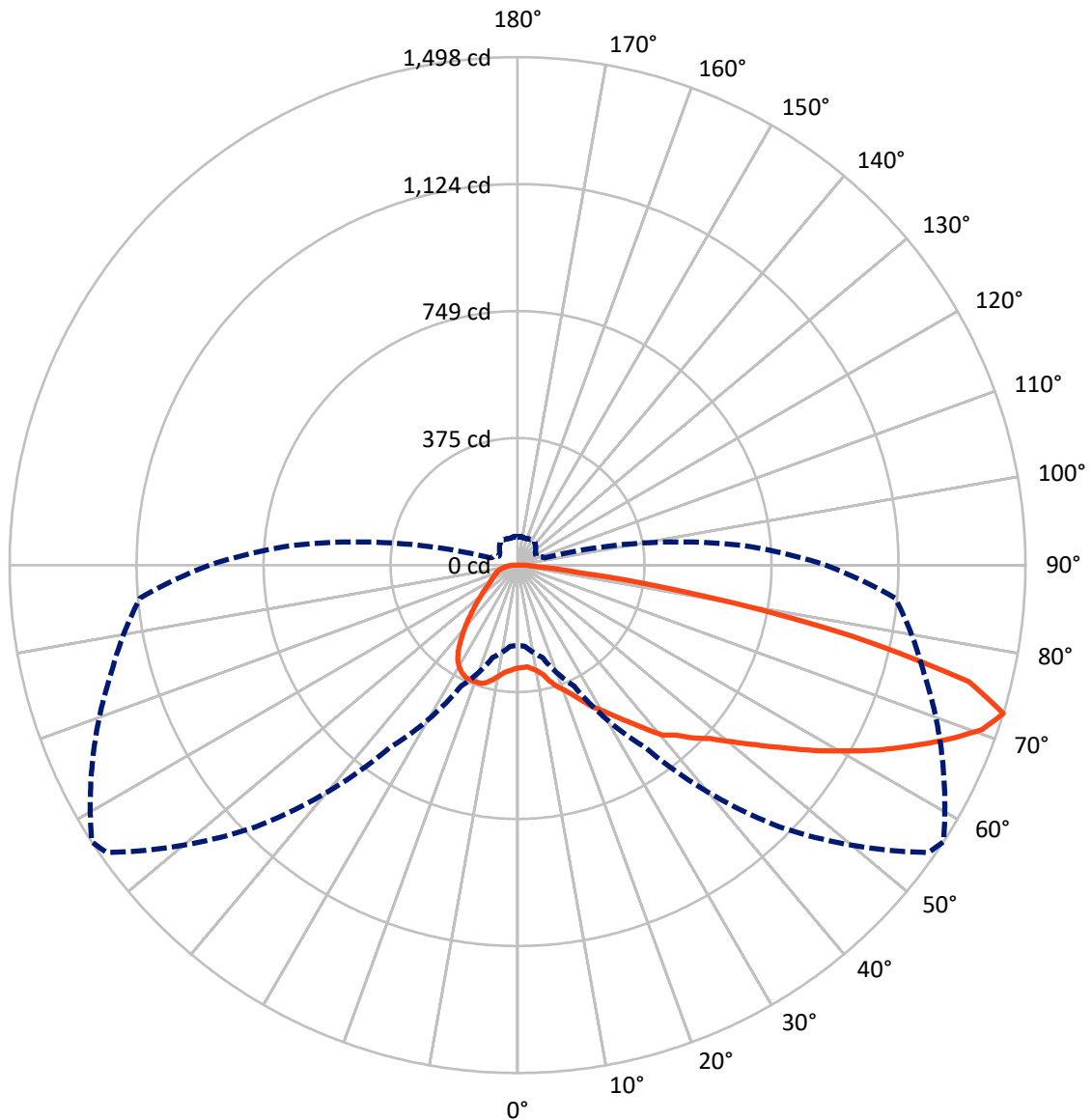
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 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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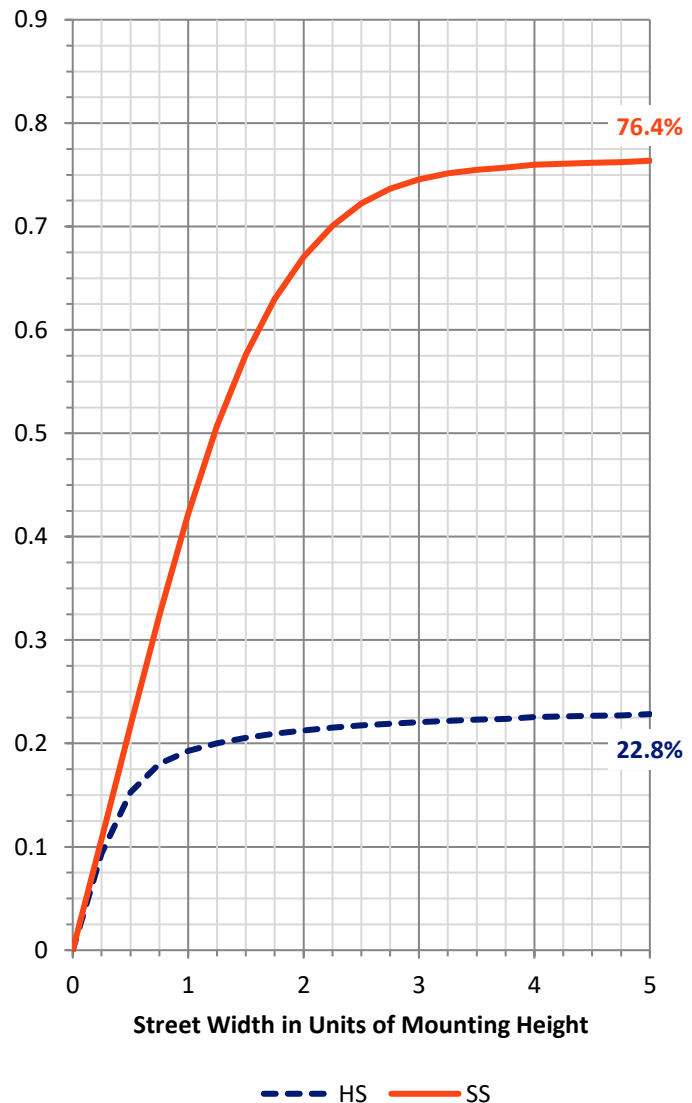
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.3	0.0	600.3
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	1970.1	0.0	1970.1
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	2570.3	0.0	2570.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.1	1.2
10°-20°	101.5	3.9
20°-30°	185.5	7.2
30°-40°	272.2	10.6
40°-50°	374.8	14.6
50°-60°	513.9	20.0
60°-70°	619.5	24.1
70°-80°	412.7	16.1
80°-90°	60.1	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°	2570.3	100.0
0°-180°	2570.3	100.0



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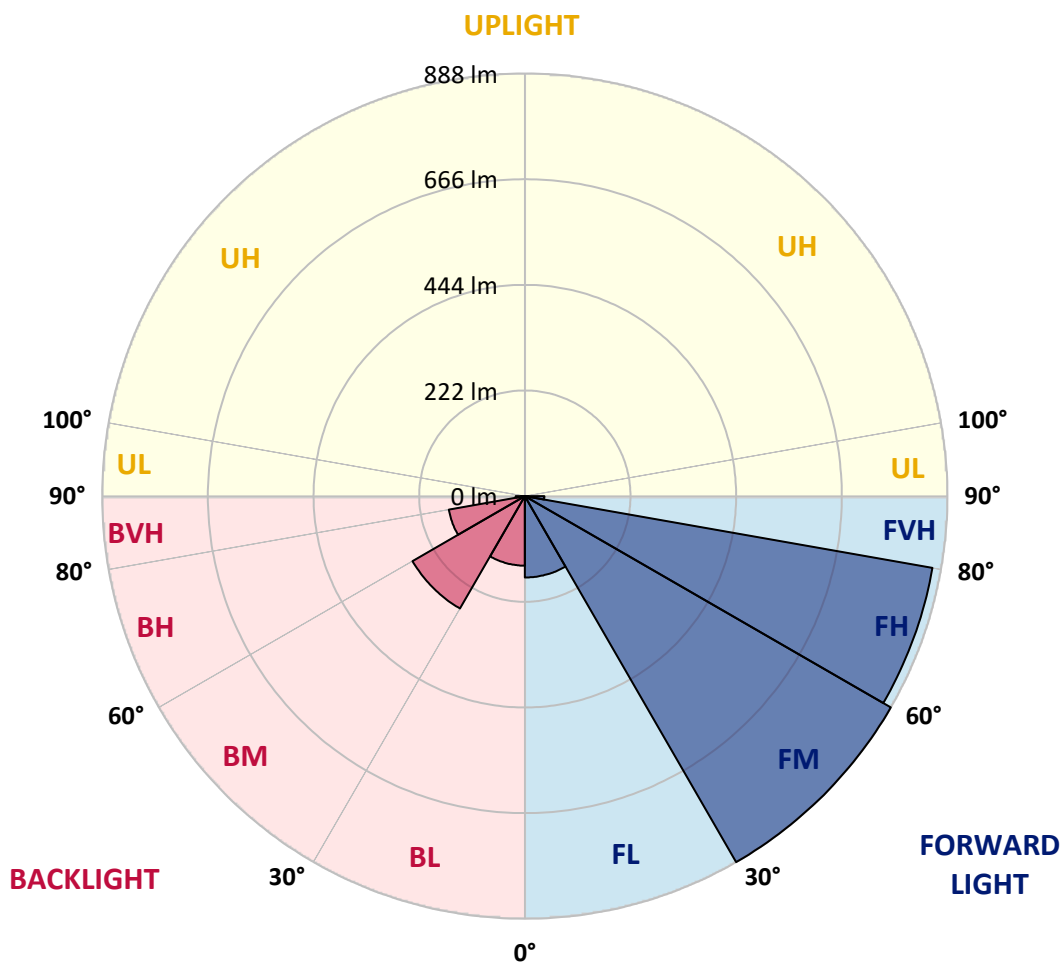
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.0	6.7			
FM (30°-60°)	888.3	34.6			
FH (60°-80°)	869.9	33.8			G1/1800
FVH (80°-90°)	40.9	1.6			G1/100
BL (0°-30°)	146.1	5.7	B1/500		
BM (30°-60°)	272.6	10.6	B1/1000		
BH (60°-80°)	162.3	6.3	B1/500		G1/500
BVH (80°-90°)	19.2	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°	303.4	303.4	303.4	303.4	303.4	303.4	303.4	303.4	303.4	303.4	303.4
2.5°	297.8	298.7	300.6	299.6	299.6	296.8	301.5	302.4	300.6	301.5	303.4
5°	297.8	299.6	302.4	300.6	301.5	300.6	298.7	301.5	301.5	302.4	305.3
7.5°	313.7	312.7	312.7	309.9	309.0	308.1	309.0	309.0	307.1	308.1	308.1
10°	331.5	331.5	329.6	329.6	327.7	323.0	318.4	317.4	314.6	315.6	315.6
12.5°	350.2	352.1	353.9	348.3	346.5	339.0	336.2	330.5	330.5	328.7	327.7
15°	373.6	370.8	372.7	370.8	366.1	358.6	353.9	354.9	348.3	346.5	343.6
17.5°	394.2	395.1	392.3	390.5	382.0	376.4	377.4	376.4	368.0	365.2	360.5
20°	418.6	417.6	417.6	412.0	404.5	397.0	394.2	393.3	395.1	389.5	378.3
22.5°	443.8	440.1	440.1	435.4	425.1	420.4	418.6	414.8	416.7	412.0	395.1
25°	464.4	464.4	471.0	461.6	456.0	446.6	442.9	443.8	444.8	435.4	415.7
27.5°	491.6	486.9	493.5	488.8	486.0	475.7	471.0	473.8	471.9	461.6	434.5
30°	526.2	527.2	523.4	516.9	513.1	505.6	502.8	500.0	502.8	489.7	455.1
32.5°	569.3	572.1	562.8	555.3	548.7	541.2	535.6	532.8	535.6	515.9	471.0
35°	618.9	621.7	614.3	605.8	598.3	579.6	574.9	570.2	559.9	528.1	486.0
37.5°	664.8	661.1	659.2	659.2	645.2	618.0	615.2	612.4	592.7	552.5	506.6
40°	695.7	700.4	698.5	696.7	694.8	669.5	663.9	659.2	626.4	589.0	535.6
42.5°	730.4	727.6	735.0	737.9	731.3	723.8	701.3	685.4	656.4	626.4	578.7
45°	771.6	769.7	772.5	782.8	773.4	776.2	738.8	727.6	691.0	673.2	633.0
47.5°	808.1	812.8	826.8	829.6	822.1	835.2	782.8	765.0	741.6	727.6	689.2
50°	824.0	829.6	861.5	881.1	882.1	902.7	826.8	819.3	787.5	793.1	759.4
52.5°	810.9	828.7	867.1	918.6	950.4	971.0	884.9	881.1	852.1	869.9	836.2
55°	823.1	839.9	865.2	937.3	1017.8	1022.5	965.4	951.3	922.3	946.7	915.8
57.5°	828.7	819.3	867.1	957.9	1067.5	1079.6	1042.2	1031.9	1009.4	1032.8	1015.0
60°	784.7	795.9	840.9	952.3	1070.3	1140.5	1128.3	1113.3	1092.7	1114.3	1104.0
62.5°	735.0	742.5	791.2	918.6	1086.2	1184.5	1211.7	1200.4	1171.4	1190.1	1207.9
65°	672.3	673.2	727.6	858.6	1055.3	1209.8	1284.7	1283.8	1263.2	1258.5	1286.6
67.5°	595.5	603.0	646.1	795.0	1013.1	1237.9	1356.8	1370.8	1329.6	1293.1	1303.4
70°	456.9	464.4	505.6	651.7	927.0	1229.4	1445.7	1453.2	1372.7	1280.0	1253.8
72.5°	237.8	239.7	281.8	393.3	657.3	1091.8	1478.5	1498.2	1383.9	1241.6	1118.0
75°	78.7	78.7	96.4	149.8	309.9	698.5	1339.0	1374.6	1328.7	1146.1	914.8
77.5°	46.8	47.8	57.1	74.9	123.6	279.0	943.9	1006.6	1087.1	974.8	668.6
80°	33.7	34.6	43.1	51.5	74.0	89.9	473.8	560.9	667.6	627.4	356.8
82.5°	25.3	25.3	33.7	38.4	50.6	53.4	132.0	180.7	288.4	224.7	98.3
85°	26.2	26.2	26.2	27.2	34.6	30.9	55.2	59.0	84.3	74.0	27.2
87.5°	9.4	10.3	26.2	17.8	17.8	13.1	21.5	23.4	30.0	30.9	10.3
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°	303.4	303.4	303.4	303.4	303.4	303.4	303.4	303.4	303.4	303.4	303.4
2.5°	304.3	304.3	305.3	305.3	307.1	309.0	311.8	309.9	309.9	310.9	309.9
5°	303.4	304.3	307.1	311.8	313.7	314.6	320.2	320.2	320.2	322.1	322.1
7.5°	307.1	309.0	313.7	318.4	319.3	322.1	329.6	331.5	336.2	338.0	339.0
10°	316.5	319.3	323.0	328.7	332.4	336.2	341.8	348.3	347.4	353.0	353.9
12.5°	330.5	329.6	336.2	341.8	345.5	351.1	353.0	353.0	353.0	353.0	354.9
15°	341.8	343.6	349.3	353.0	357.7	356.8	353.0	349.3	350.2	349.3	349.3
17.5°	358.6	358.6	363.3	364.2	366.1	356.8	351.1	351.1	353.9	353.9	352.1
20°	375.5	374.5	376.4	375.5	363.3	352.1	351.1	352.1	353.0	352.1	351.1
22.5°	391.4	389.5	386.7	383.0	361.4	351.1	349.3	344.6	339.9	339.9	337.1
25°	405.4	403.6	396.1	384.8	360.5	345.5	336.2	324.9	319.3	316.5	320.2
27.5°	418.6	414.8	404.5	384.8	352.1	330.5	312.7	298.7	294.0	290.3	294.0
30°	436.3	429.8	415.7	382.0	339.0	307.1	282.8	265.9	261.2	255.6	257.5
32.5°	452.3	437.3	425.1	373.6	322.1	280.9	252.8	236.0	227.5	222.9	226.6
35°	469.1	454.1	428.9	360.5	295.9	249.1	221.0	205.1	198.5	192.0	192.0
37.5°	486.0	477.5	434.5	336.2	264.1	219.1	193.8	181.7	170.4	158.2	158.2
40°	521.6	510.3	441.0	308.1	232.2	190.1	172.3	156.4	145.1	128.3	127.3
42.5°	559.0	534.7	441.0	274.4	204.1	169.5	152.6	135.8	115.2	104.9	105.8
45°	606.8	578.7	428.9	244.4	176.0	152.6	133.9	112.4	103.0	96.4	96.4
47.5°	666.7	622.7	413.9	211.6	153.6	137.6	114.2	101.1	94.6	89.0	88.0
50°	737.9	662.9	395.1	183.5	134.8	123.6	103.9	93.6	88.0	84.3	84.3
52.5°	812.8	721.9	382.0	158.2	119.9	104.9	96.4	89.9	85.2	82.4	81.5
55°	888.6	780.9	372.7	131.1	105.8	96.4	94.6	89.0	87.1	84.3	82.4
57.5°	973.8	829.6	370.8	112.4	94.6	92.7	96.4	91.8	89.0	86.1	83.3
60°	1065.6	895.2	353.9	97.4	89.0	90.8	93.6	89.0	87.1	84.3	82.4
62.5°	1156.4	943.9	308.1	86.1	83.3	85.2	89.0	85.2	82.4	83.3	84.3
65°	1193.9	947.6	238.8	77.7	76.8	77.7	83.3	82.4	79.6	85.2	85.2
67.5°	1156.4	913.9	168.5	70.2	70.2	74.9	84.3	86.1	83.3	90.8	89.9
70°	1071.2	830.6	114.2	65.5	67.4	79.6	87.1	85.2	81.5	90.8	89.0
72.5°	909.2	664.8	83.3	60.9	63.7	75.8	86.1	84.3	81.5	85.2	81.5
75°	682.6	472.9	65.5	55.2	56.2	68.4	89.0	84.3	76.8	74.9	72.1
77.5°	456.0	292.1	50.6	48.7	48.7	59.9	85.2	78.7	69.3	66.5	65.5
80°	217.2	117.0	40.3	41.2	42.1	51.5	77.7	70.2	62.7	59.0	59.0
82.5°	69.3	44.0	33.7	33.7	33.7	42.1	64.6	59.0	54.3	51.5	46.8
85°	24.3	24.3	29.0	30.0	27.2	30.9	53.4	50.6	44.9	37.5	36.5
87.5°	9.4	14.0	19.7	23.4	16.9	21.5	38.4	35.6	32.8	24.3	23.4
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)