

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: P676994

Luminaire Tested: **CCW-SA-1A-740-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676994  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-740-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

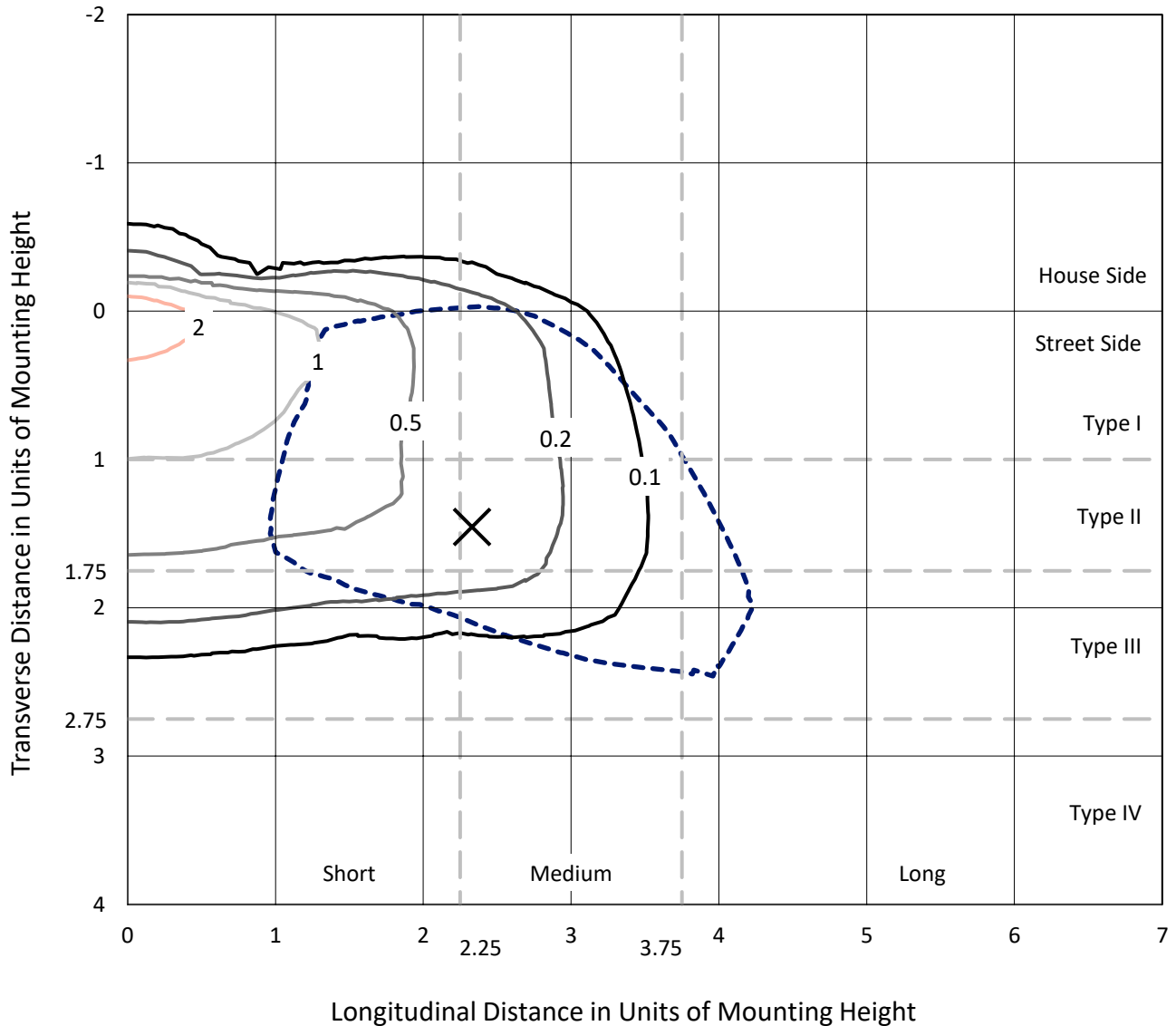
Lumens per Lamp: N/A  
Luminaire Lumens: 2260.7 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 18  
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

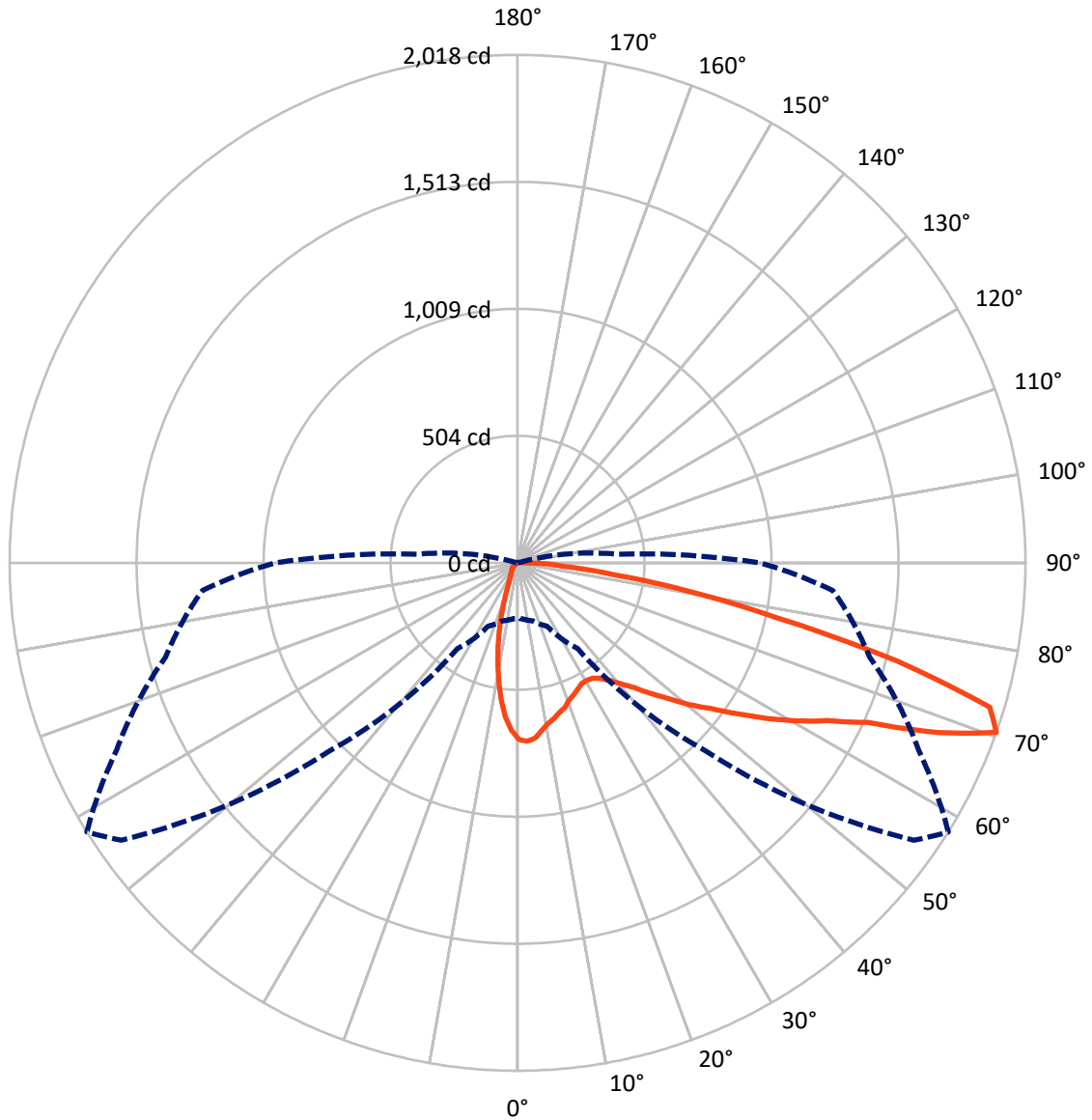
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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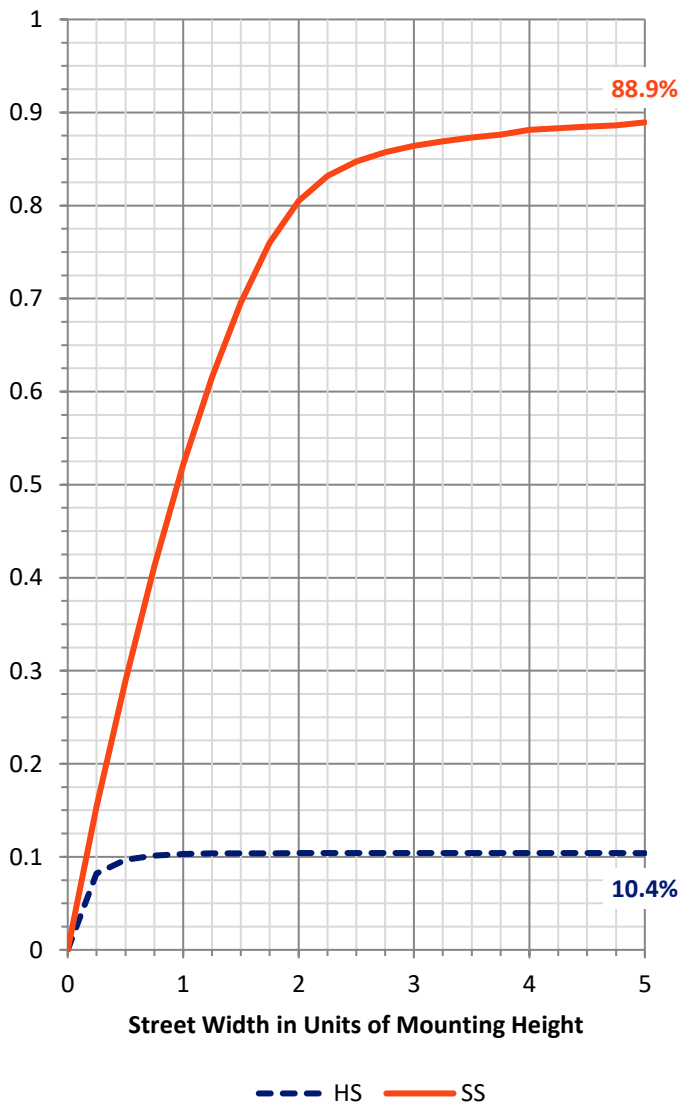
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	236.7	0.0	236.7
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	2024.0	0.0	2024.0
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	2260.7	0.0	2260.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.3	2.5
10°-20°	119.2	5.3
20°-30°	159.6	7.1
30°-40°	215.8	9.5
40°-50°	309.7	13.7
50°-60°	456.4	20.2
60°-70°	556.7	24.6
70°-80°	339.9	15.0
80°-90°	46.2	2.0
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°	2260.7	100.0
0°-180°	2260.7	100.0

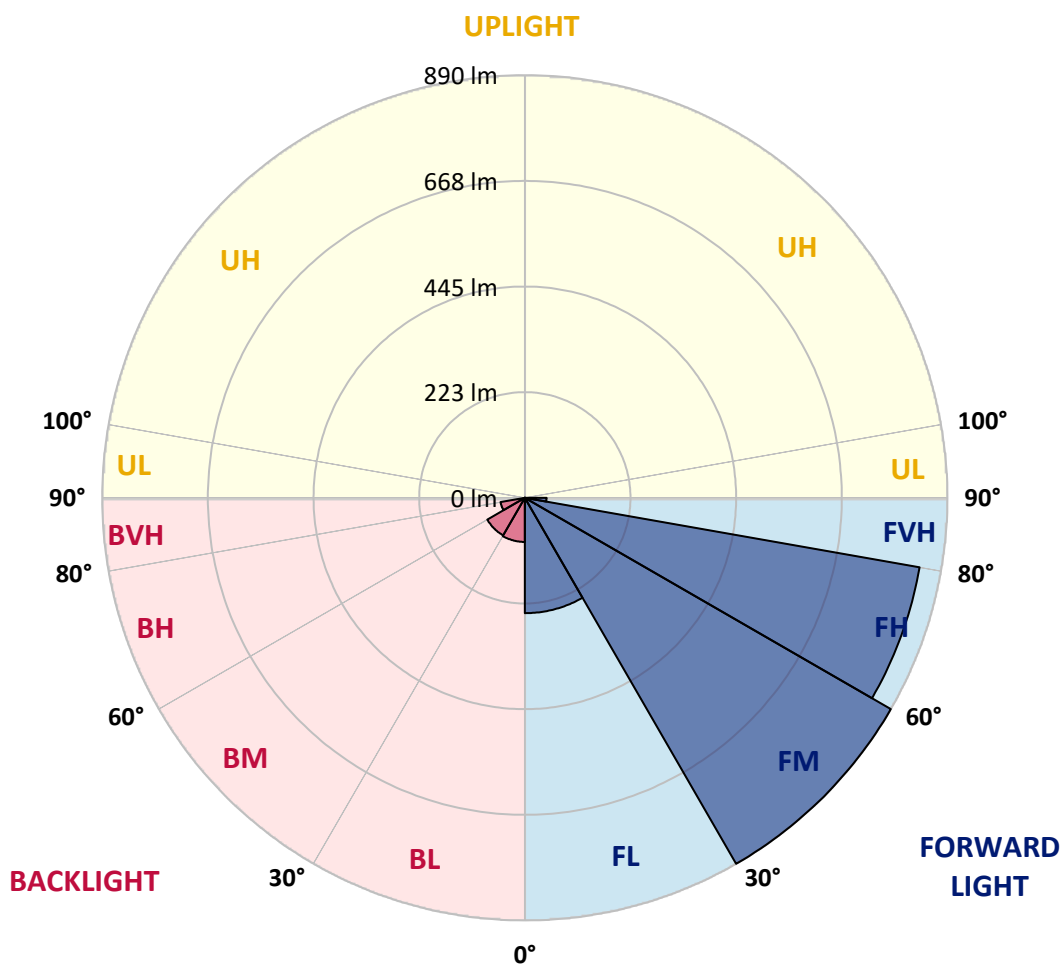


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.1	10.8			
FM (30°-60°)	890.5	39.4			
FH (60°-80°)	844.7	37.4			G1/1800
FVH (80°-90°)	45.7	2.0			G1/100
BL (0°-30°)	93.0	4.1	B0/110		
BM (30°-60°)	91.4	4.0	B0/220		
BH (60°-80°)	51.9	2.3	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8
2.5°	714.5	717.2	710.8	718.2	711.3	714.5	710.8	709.7	710.3	710.8	706.6
5°	681.1	687.5	690.1	685.9	696.0	694.4	700.7	701.3	698.6	696.0	696.5
7.5°	637.1	643.5	646.1	648.8	658.9	672.1	680.6	675.3	679.5	689.1	674.8
10°	605.3	603.7	603.2	608.5	627.6	638.7	653.0	651.4	662.0	671.1	659.4
12.5°	566.1	562.9	572.5	576.7	593.7	613.3	624.4	636.1	646.7	656.2	643.0
15°	537.0	539.6	543.3	552.3	564.5	590.5	606.9	618.0	637.1	641.9	636.6
17.5°	513.6	515.7	521.0	525.8	541.2	566.1	592.1	605.3	625.5	638.2	621.8
20°	514.2	507.8	507.8	512.6	521.0	550.7	578.3	582.5	610.1	631.8	620.7
22.5°	514.7	512.6	507.8	507.3	511.0	532.2	560.3	569.8	599.5	624.9	611.7
25°	522.1	514.2	514.7	507.3	508.9	519.5	541.7	556.0	590.0	628.7	606.9
27.5°	528.5	532.2	524.8	521.6	512.6	512.0	530.6	542.8	585.2	637.1	610.1
30°	542.8	545.4	545.4	543.3	534.8	522.6	526.9	542.3	575.6	635.5	604.8
32.5°	566.6	561.9	568.2	565.0	553.9	534.8	538.5	546.5	581.5	655.7	613.3
35°	574.6	578.3	586.8	579.9	576.2	565.0	557.6	563.5	590.0	675.8	626.0
37.5°	599.0	593.7	599.5	614.9	618.6	598.4	584.1	592.6	621.8	699.7	637.7
40°	601.1	605.3	615.9	646.1	649.9	641.4	629.7	631.8	653.6	730.4	666.8
42.5°	611.7	616.5	638.2	663.6	683.8	685.4	676.9	676.9	695.4	779.7	699.1
45°	632.4	624.4	652.5	695.4	724.6	730.4	741.6	738.9	753.7	831.7	759.6
47.5°	640.3	643.0	673.7	725.7	759.0	786.1	804.6	805.2	812.6	897.9	838.0
50°	666.3	665.8	702.9	751.1	800.4	849.7	885.7	885.7	885.2	962.6	905.3
52.5°	700.7	699.7	728.3	785.5	849.7	911.7	959.4	961.0	973.2	1042.1	982.7
55°	756.9	752.2	779.7	822.1	899.0	974.2	1056.9	1057.5	1047.9	1098.8	1038.4
57.5°	804.1	803.6	826.4	867.2	954.1	1054.8	1150.8	1165.1	1134.9	1157.1	1082.9
60°	791.9	798.8	846.0	906.4	1012.4	1155.5	1252.0	1274.3	1226.0	1196.9	1116.3
62.5°	716.1	732.0	783.4	879.9	1061.7	1301.8	1391.4	1381.3	1273.7	1230.8	1157.1
65°	515.2	531.1	594.7	739.4	1004.5	1405.2	1574.8	1529.2	1358.5	1281.2	1211.7
67.5°	303.2	309.6	349.3	471.8	751.1	1349.0	1797.4	1801.1	1525.5	1358.5	1306.1
70°	218.9	223.7	239.1	278.3	416.1	1057.5	1921.5	2017.9	1757.1	1447.6	1256.2
72.5°	168.0	168.0	194.0	231.6	265.0	633.4	1768.3	1961.8	1807.5	1362.3	1012.4
75°	120.9	124.0	152.1	199.3	244.4	318.0	1302.9	1556.8	1531.9	1104.1	707.1
77.5°	69.4	71.0	107.1	167.0	229.5	218.4	805.2	1055.3	1085.0	691.2	306.4
80°	35.5	36.6	59.9	132.0	207.8	190.3	480.2	694.9	589.4	200.9	71.0
82.5°	17.5	17.5	27.0	84.3	176.5	168.6	282.5	383.8	208.8	46.1	29.7
85°	5.8	6.4	12.2	47.7	127.7	101.8	172.8	182.3	70.0	17.5	16.4
87.5°	1.6	2.1	3.2	17.5	55.7	66.8	102.8	116.6	28.6	6.9	8.0
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°	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8	701.8
2.5°	690.7	687.0	682.7	672.1	663.6	652.5	645.1	639.3	628.1	630.2	625.5
5°	683.8	676.9	652.5	629.2	608.0	575.6	553.4	539.1	527.4	515.7	524.2
7.5°	671.6	655.2	617.0	573.5	528.5	486.1	443.7	418.2	399.7	382.7	382.2
10°	650.9	624.4	564.5	507.8	438.4	382.7	328.6	286.2	258.7	238.5	238.0
12.5°	627.6	600.0	524.8	432.5	352.5	274.0	209.4	164.3	138.3	122.4	120.3
15°	612.7	572.5	474.9	365.7	266.6	178.6	116.1	88.0	77.9	74.2	74.2
17.5°	593.7	547.6	425.6	296.3	185.0	103.4	75.3	67.8	67.3	66.3	65.2
20°	585.7	528.5	381.6	236.4	117.1	73.1	64.7	63.1	63.1	62.0	61.0
22.5°	564.5	500.9	335.0	173.3	77.9	64.1	61.0	58.8	57.8	56.7	57.8
25°	555.0	481.3	291.0	119.8	63.6	57.2	55.7	53.5	51.9	51.4	51.4
27.5°	548.6	461.7	248.1	83.2	56.2	52.5	49.3	47.7	45.6	43.5	43.5
30°	543.8	446.3	206.7	61.5	50.4	46.6	44.0	40.3	37.6	35.5	35.5
32.5°	537.5	428.3	165.4	52.5	45.6	41.9	37.1	33.9	30.2	28.6	28.6
35°	539.6	416.1	129.9	46.6	40.8	36.0	31.8	27.6	23.9	22.3	21.7
37.5°	543.8	407.1	98.6	41.9	36.6	31.3	26.5	21.7	19.6	17.5	17.5
40°	561.9	404.4	72.6	38.7	33.4	27.6	22.3	18.0	15.9	14.3	13.8
42.5°	592.1	408.1	56.2	35.0	30.2	23.3	18.6	14.8	12.7	11.1	10.6
45°	630.8	422.5	46.1	32.9	26.5	19.6	14.8	12.2	9.5	8.5	8.5
47.5°	687.0	444.7	40.3	30.2	23.3	16.4	12.7	9.5	7.4	6.4	6.4
50°	750.6	470.2	35.5	27.0	20.1	13.8	10.1	7.4	5.3	4.8	4.8
52.5°	814.2	502.5	32.9	24.9	17.5	11.1	8.0	5.3	3.7	3.2	3.2
55°	881.0	531.1	29.7	23.3	14.3	9.0	5.8	3.2	2.1	1.6	1.6
57.5°	927.6	542.3	26.0	20.1	11.1	6.9	4.2	2.1	1.1	0.5	0.5
60°	961.0	543.8	22.3	16.4	8.5	5.3	2.7	1.1	0.5	0.0	0.0
62.5°	989.1	547.0	19.1	12.7	6.4	3.7	1.6	0.5	0.0	0.0	0.0
65°	1044.7	544.4	15.4	10.1	4.2	2.1	1.1	0.0	0.0	0.0	0.0
67.5°	1088.7	517.9	12.2	6.9	2.7	1.1	0.5	0.0	0.0	0.0	0.0
70°	963.1	394.9	9.5	4.8	1.6	0.5	0.0	0.0	0.0	0.0	0.0
72.5°	756.4	263.4	6.4	2.7	1.1	0.5	0.0	0.0	0.0	0.0	0.0
75°	496.1	130.9	4.8	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	192.9	34.5	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	46.6	11.7	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.1	4.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.2	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)