

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: P673218

Luminaire Tested: **CCP-SA-1A-722-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673218  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-722-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3 distribution lens and House Side Shield  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

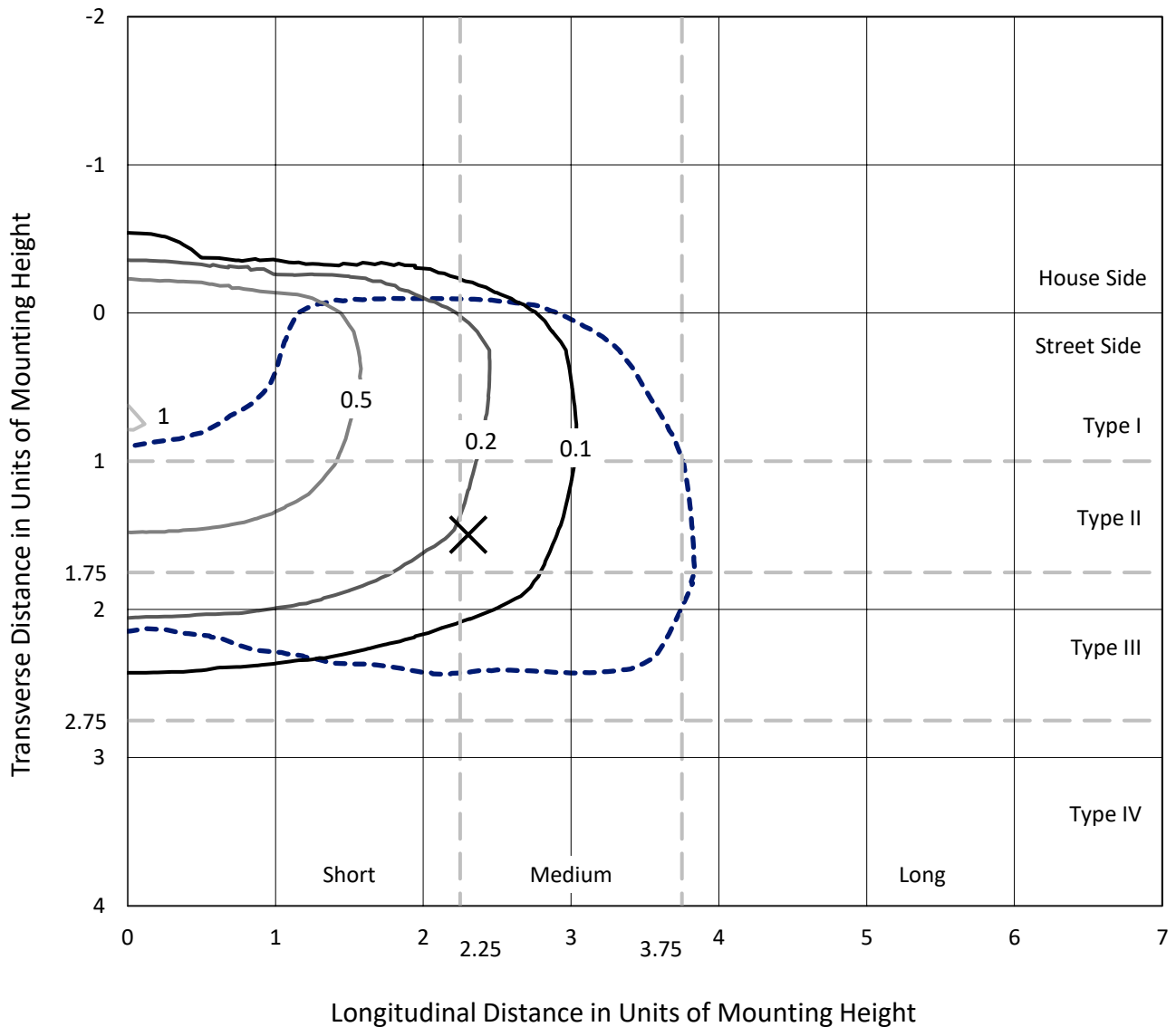
Lumens per Lamp: N/A  
Luminaire Lumens: 1451.8 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G0

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

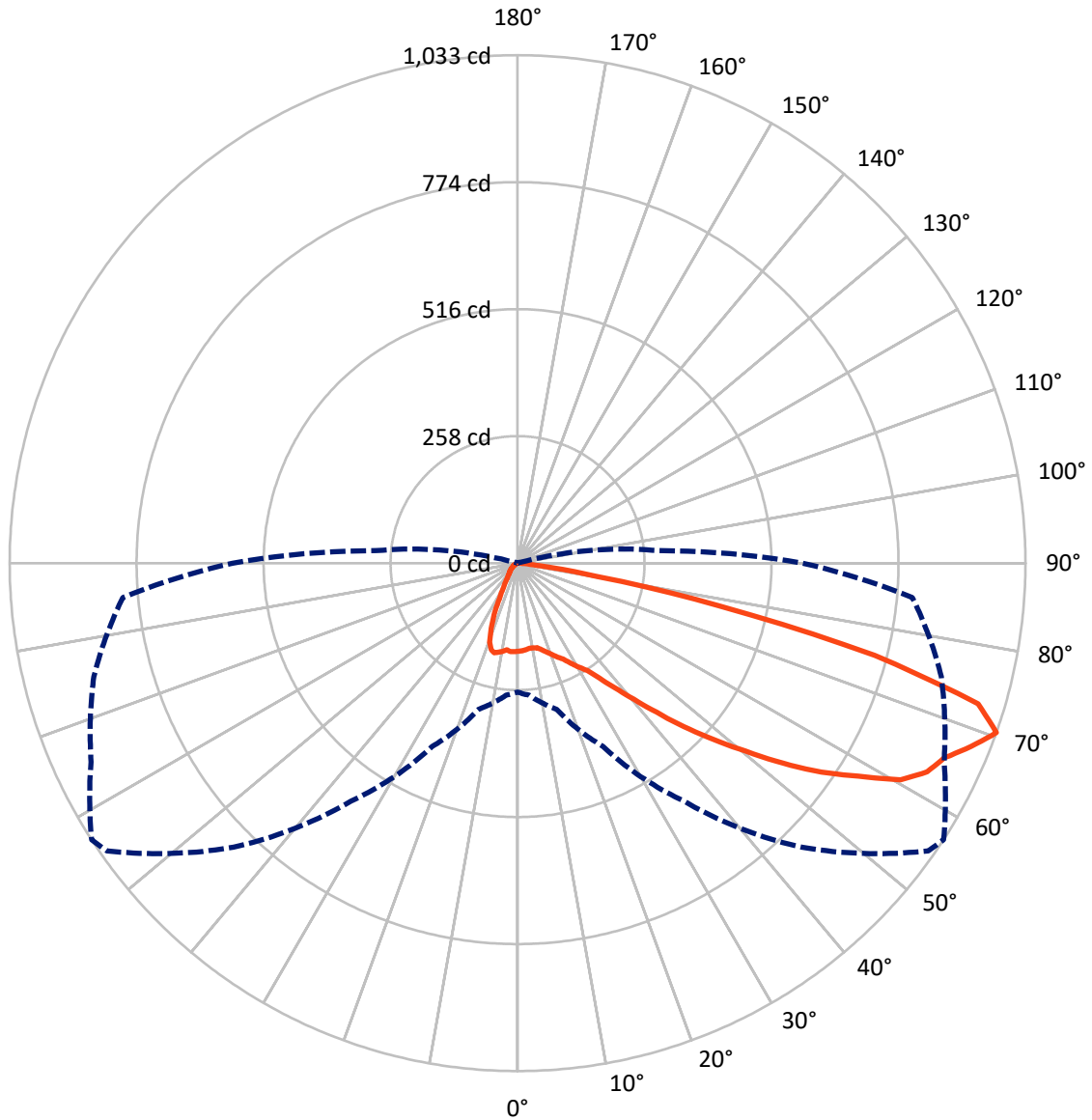
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical



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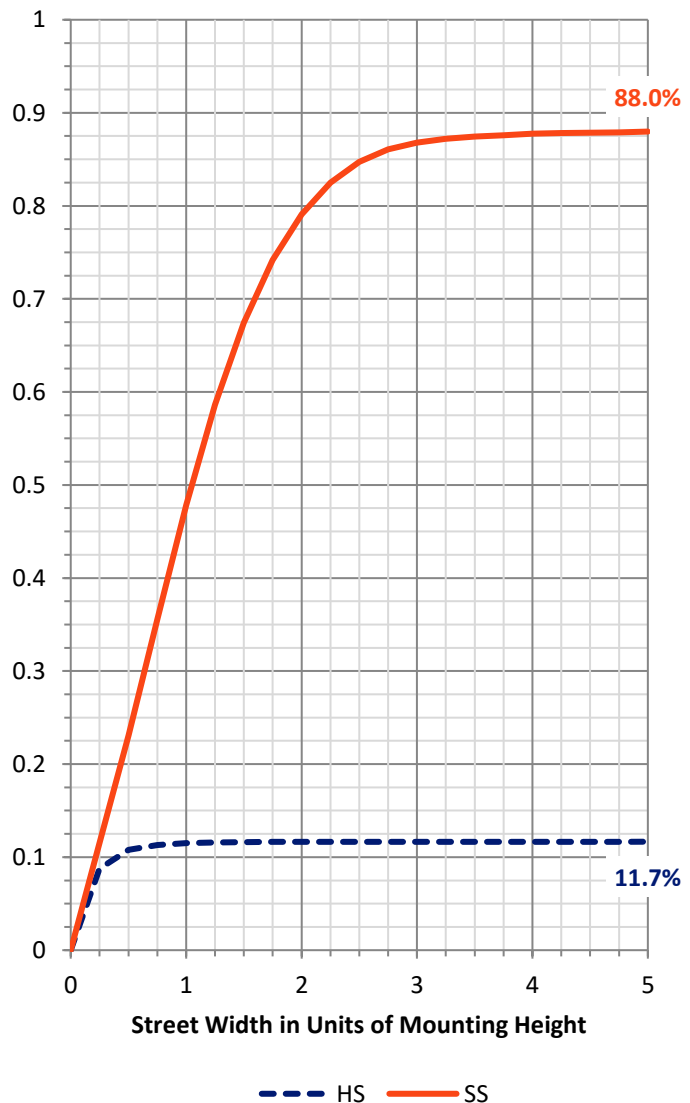
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	171.1	0.0	171.1
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	1280.7	0.0	1280.7
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	1451.8	0.0	1451.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.7	1.2
10°-20°	46.8	3.2
20°-30°	78.8	5.4
30°-40°	134.9	9.3
40°-50°	226.6	15.6
50°-60°	347.8	24.0
60°-70°	401.5	27.7
70°-80°	189.7	13.1
80°-90°	9.0	0.6
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°	1451.8	100.0
0°-180°	1451.8	100.0



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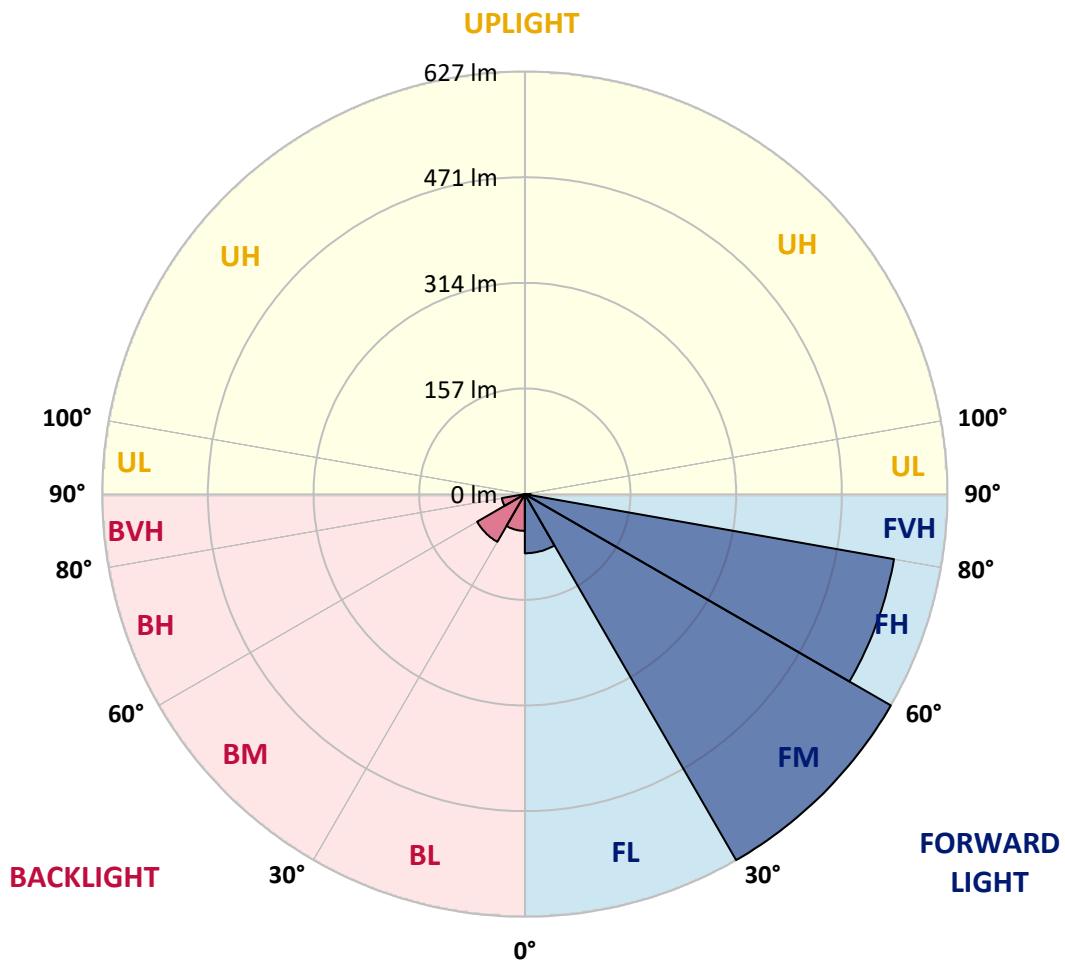
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.8	6.0			
FM (30°-60°)	627.4	43.2			
FH (60°-80°)	556.6	38.3			G0/660
FVH (80°-90°)	8.8	0.6			G0/10
BL (0°-30°)	54.6	3.8	B0/110		
BM (30°-60°)	81.8	5.6	B0/220		
BH (60°-80°)	34.6	2.4	B0/110		G0/110
BVH (80°-90°)	0.2	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-G0**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
2.5°	176.5	175.4	176.5	178.0	176.5	177.6	177.3	178.4	176.9	176.9	178.0
5°	165.0	166.9	167.6	169.5	171.3	174.7	176.9	176.9	179.1	180.2	181.7
7.5°	161.0	158.0	161.0	162.4	164.3	169.9	173.2	174.7	177.6	181.7	184.0
10°	155.0	157.2	157.2	162.1	164.7	168.0	173.9	175.1	181.7	185.8	188.0
12.5°	154.7	154.7	156.5	159.8	165.0	171.3	178.8	176.5	183.6	191.0	194.7
15°	155.8	158.4	158.4	162.8	166.9	175.8	182.1	182.5	192.5	199.9	203.2
17.5°	160.6	159.5	161.0	163.6	169.9	178.4	188.8	189.9	201.4	211.4	216.2
20°	170.6	172.5	170.2	168.7	171.3	182.5	195.8	198.0	211.0	220.7	225.5
22.5°	208.1	206.6	197.7	187.3	182.8	188.0	202.5	207.7	222.9	234.4	238.5
25°	250.3	247.7	237.4	221.8	201.4	199.2	215.8	215.8	237.7	250.3	249.2
27.5°	290.4	289.6	277.4	261.1	232.2	216.2	226.6	230.7	254.4	264.8	260.0
30°	331.2	331.9	320.8	301.1	270.7	243.7	241.8	245.1	267.0	283.3	273.3
32.5°	378.7	372.0	364.2	337.1	309.3	278.9	261.5	260.0	281.1	296.0	282.6
35°	420.9	416.9	408.3	383.8	352.0	315.6	291.1	287.4	298.9	318.6	304.1
37.5°	458.0	453.9	442.8	426.5	401.7	361.2	326.7	321.2	326.0	346.8	329.3
40°	489.9	491.0	488.1	472.1	449.1	412.4	372.7	363.8	359.7	378.3	358.6
42.5°	512.9	523.7	524.4	504.8	486.2	466.2	421.7	414.6	405.0	420.6	406.8
45°	561.1	555.2	558.9	551.9	531.5	528.5	478.1	474.0	460.6	465.8	451.3
47.5°	599.0	597.8	604.9	593.4	587.8	588.2	542.2	535.2	516.3	525.9	509.6
50°	620.8	614.9	640.5	649.4	648.3	652.7	607.1	601.2	583.0	597.1	562.2
52.5°	626.0	636.8	660.9	693.2	706.9	716.1	677.9	675.7	656.1	665.0	616.8
55°	639.0	649.4	663.5	716.5	767.3	769.6	747.7	749.9	732.5	730.2	668.7
57.5°	638.6	636.4	675.4	736.9	807.4	839.3	827.4	816.7	797.7	775.9	702.1
60°	615.3	614.2	654.6	739.5	829.3	902.3	907.1	894.5	847.1	814.8	741.4
62.5°	568.9	573.4	614.2	717.3	850.0	924.9	942.8	934.2	875.3	840.8	787.7
65°	515.9	506.6	554.1	661.6	803.3	918.3	956.8	953.9	908.6	868.9	830.4
67.5°	413.9	418.0	454.3	569.3	723.6	893.8	989.9	994.3	935.3	893.8	843.4
70°	262.2	269.6	307.5	411.3	590.8	816.7	1019.5	1032.5	956.5	891.6	805.5
72.5°	76.4	79.4	130.9	205.1	376.4	655.0	972.0	978.7	915.3	809.2	623.1
75°	25.2	26.7	38.6	66.8	147.6	338.6	718.0	749.5	728.4	586.7	356.4
77.5°	16.7	17.4	21.1	31.9	56.0	106.1	385.0	418.7	410.6	274.8	115.0
80°	12.2	12.6	15.6	21.5	34.1	38.2	142.0	164.3	158.7	63.0	23.0
82.5°	7.8	7.8	11.5	15.2	21.5	18.9	41.2	45.6	44.5	24.1	8.9
85°	5.2	5.6	8.5	11.9	11.9	8.9	11.9	13.7	14.8	13.0	4.1
87.5°	1.5	1.9	4.8	8.2	4.8	4.5	4.1	4.5	5.2	7.0	2.2
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°	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
2.5°	179.1	180.6	180.2	181.0	179.9	178.8	179.9	179.9	179.9	178.8	178.0
5°	180.6	179.9	180.6	179.1	180.6	179.1	178.4	176.2	175.8	175.8	177.3
7.5°	182.8	183.6	180.2	180.2	176.9	177.6	175.8	176.2	175.4	174.3	173.6
10°	186.2	189.1	185.8	184.7	181.0	178.0	173.6	171.3	171.3	169.9	171.3
12.5°	195.4	194.3	192.5	188.8	184.3	178.4	167.6	156.9	148.0	141.3	144.6
15°	202.9	202.5	199.9	192.9	186.9	168.7	141.7	113.9	99.0	92.3	91.2
17.5°	214.4	213.2	208.8	199.5	179.9	139.8	97.2	73.8	59.3	56.0	54.9
20°	225.1	224.7	215.1	203.2	162.1	102.0	63.4	48.6	44.5	44.9	44.1
22.5°	236.6	234.8	223.3	198.8	129.1	67.9	45.2	43.4	41.9	41.5	42.3
25°	249.6	242.9	231.4	188.8	94.9	46.7	42.6	41.2	39.7	39.3	39.3
27.5°	254.8	250.3	235.1	164.7	60.1	40.8	40.1	38.2	36.3	35.2	34.9
30°	266.7	259.2	238.8	129.4	42.6	37.5	36.3	34.1	31.5	29.7	29.7
32.5°	278.5	269.6	239.2	90.5	35.6	33.7	31.9	28.9	25.6	23.7	24.1
35°	293.4	281.1	235.1	58.6	31.9	29.7	26.0	22.6	19.7	18.2	18.2
37.5°	318.6	307.1	218.4	38.6	28.9	25.2	21.5	17.8	15.2	14.1	14.1
40°	350.5	335.6	195.4	30.4	25.6	21.5	17.1	13.7	12.2	11.1	11.1
42.5°	388.7	370.1	161.3	27.1	22.6	17.8	13.4	10.8	9.3	9.3	8.9
45°	426.9	396.5	126.5	24.8	20.0	14.8	10.4	8.5	7.8	7.4	7.4
47.5°	481.4	428.4	90.5	22.6	17.4	11.5	8.5	7.0	6.3	5.9	6.3
50°	533.7	458.4	64.2	20.4	14.5	9.3	7.0	6.3	5.6	5.2	5.2
52.5°	579.7	479.2	44.9	17.8	12.2	7.8	6.3	5.6	5.2	4.8	4.8
55°	604.9	472.1	30.8	15.2	10.0	6.7	5.6	4.8	4.5	4.1	4.1
57.5°	630.8	452.5	23.4	12.6	8.2	6.3	5.2	4.5	4.1	3.7	3.7
60°	652.7	438.0	18.2	10.0	6.7	5.2	4.5	3.7	3.3	3.0	2.6
62.5°	653.8	409.1	13.4	7.4	5.2	4.5	3.7	3.0	1.9	1.5	1.1
65°	658.3	378.7	9.6	5.6	3.7	3.3	2.6	1.5	0.7	0.0	0.0
67.5°	642.7	342.7	7.8	4.1	2.6	1.9	1.1	0.4	0.0	0.0	0.0
70°	579.3	289.3	5.9	3.0	1.9	1.1	0.4	0.0	0.0	0.0	0.0
72.5°	414.6	188.0	4.1	2.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0
75°	221.0	80.1	3.0	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	69.4	20.4	1.9	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	15.2	5.6	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.4	0.4	0.0	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)