

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: P673796

Luminaire Tested: **CCP-SA-1C-722-U-SL3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673796  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-722-U-SL3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ SL3 distribution lens and House Side Shield  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

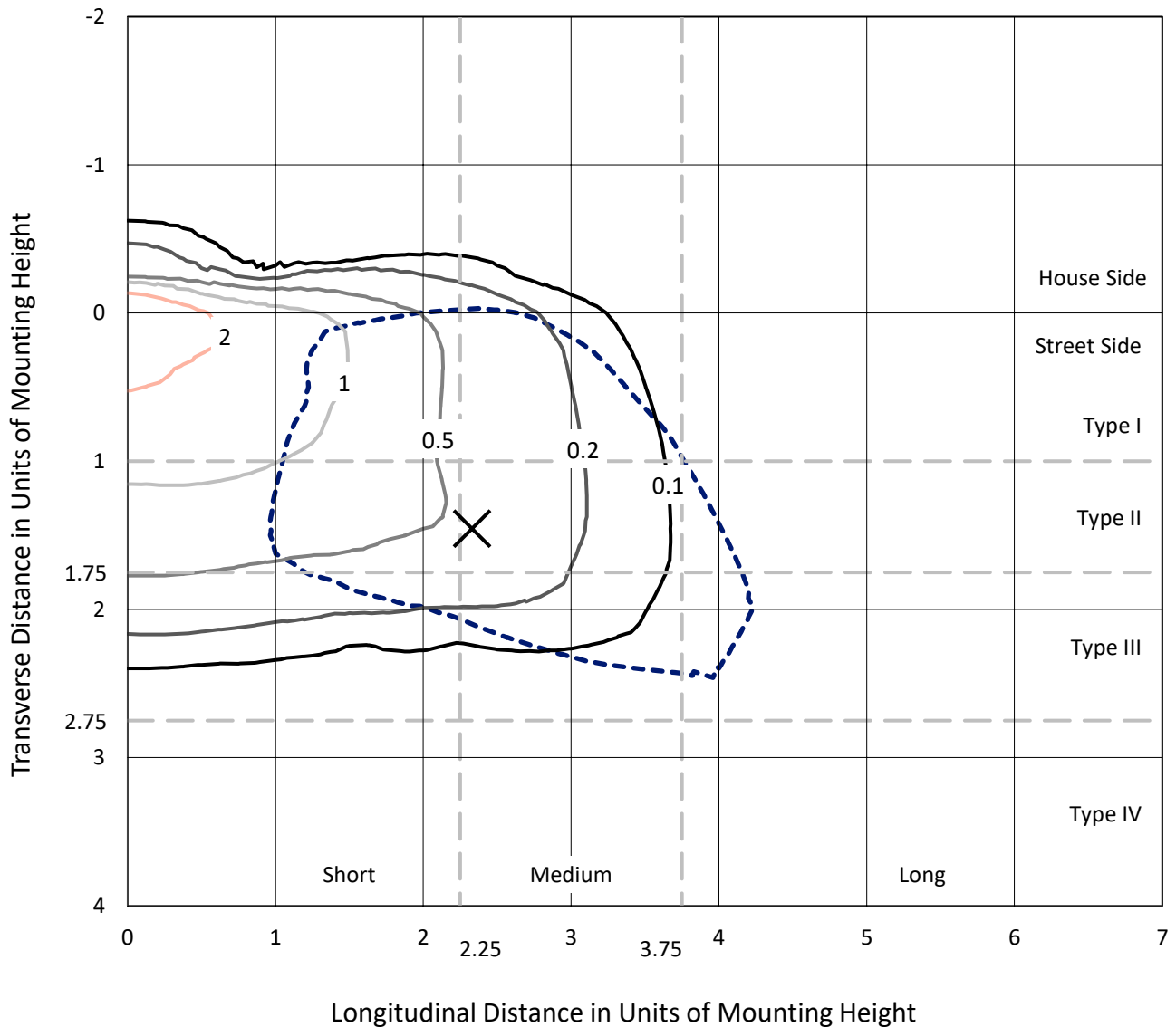
Lumens per Lamp: N/A  
Luminaire Lumens: 2752 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

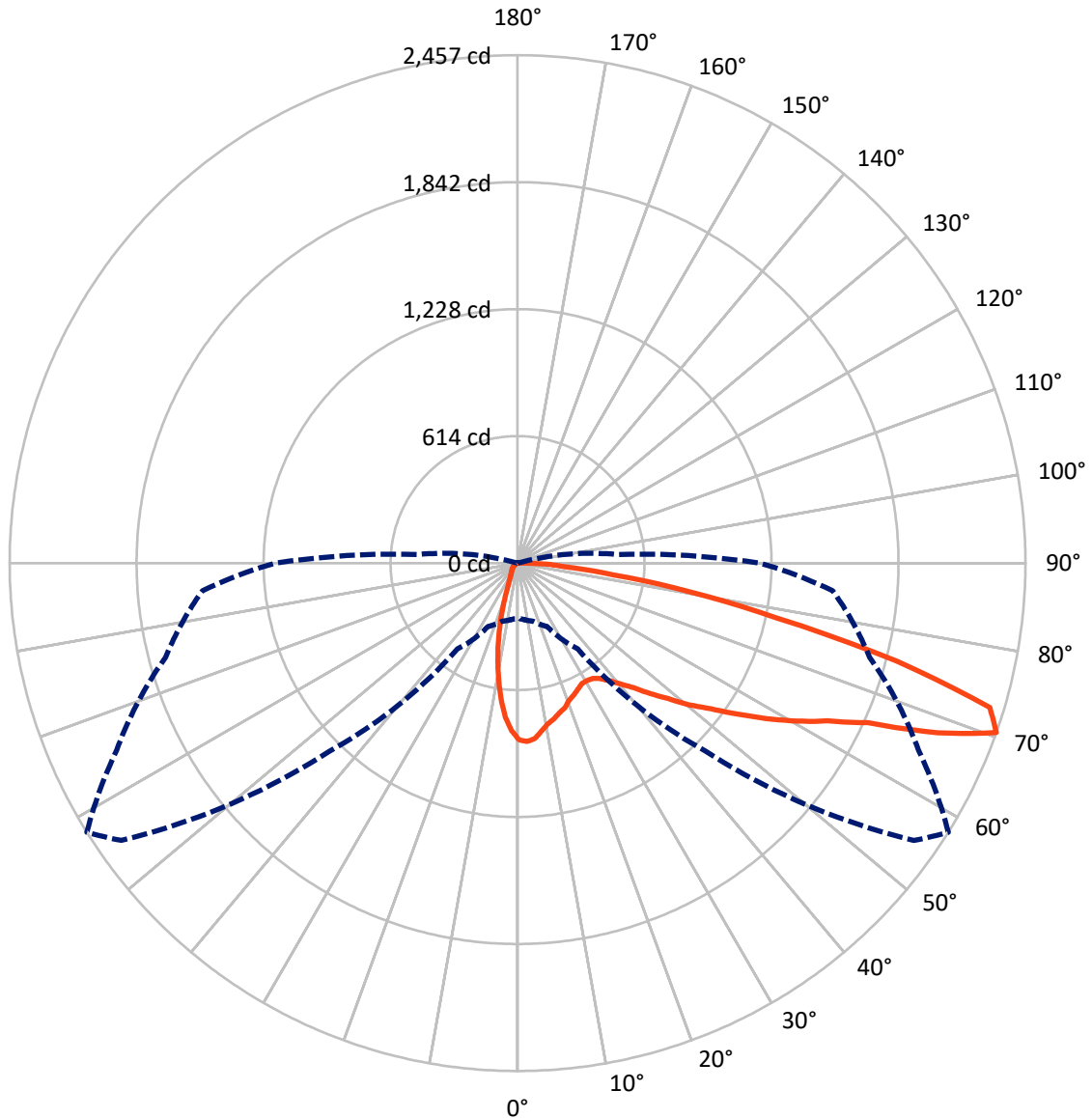
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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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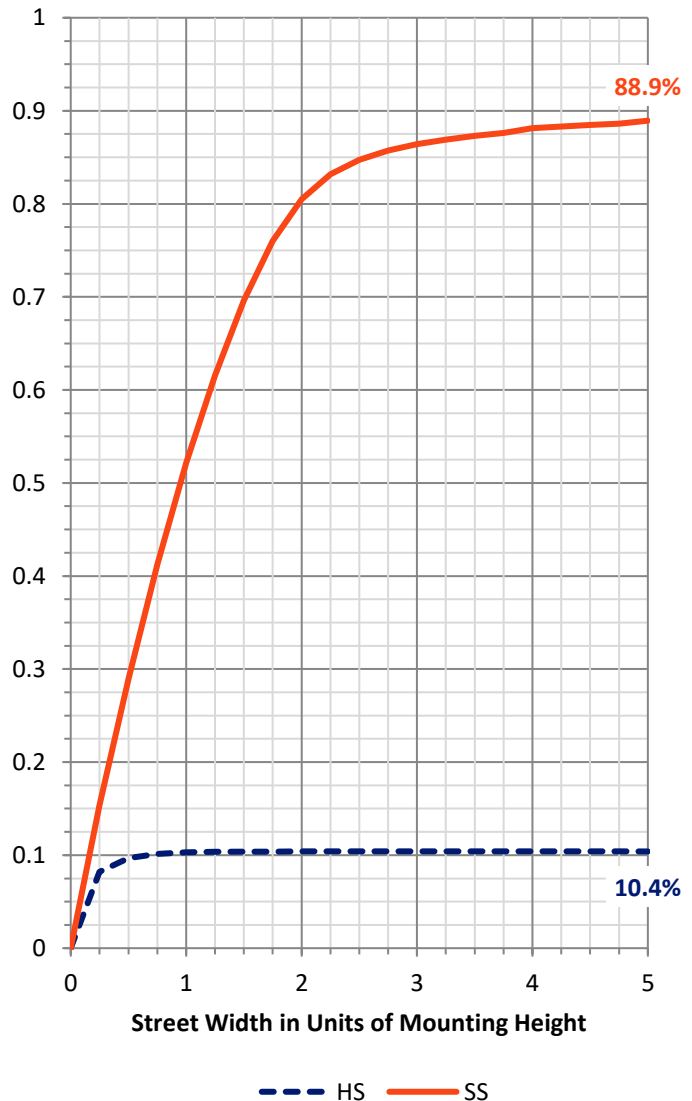
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	288.2	0.0	288.2
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	2463.9	0.0	2463.9
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	2752.0	0.0	2752.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.7	2.5
10°-20°	145.1	5.3
20°-30°	194.3	7.1
30°-40°	262.7	9.5
40°-50°	377.0	13.7
50°-60°	555.6	20.2
60°-70°	677.6	24.6
70°-80°	413.8	15.0
80°-90°	56.2	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°	2752.0	100.0
0°-180°	2752.0	100.0



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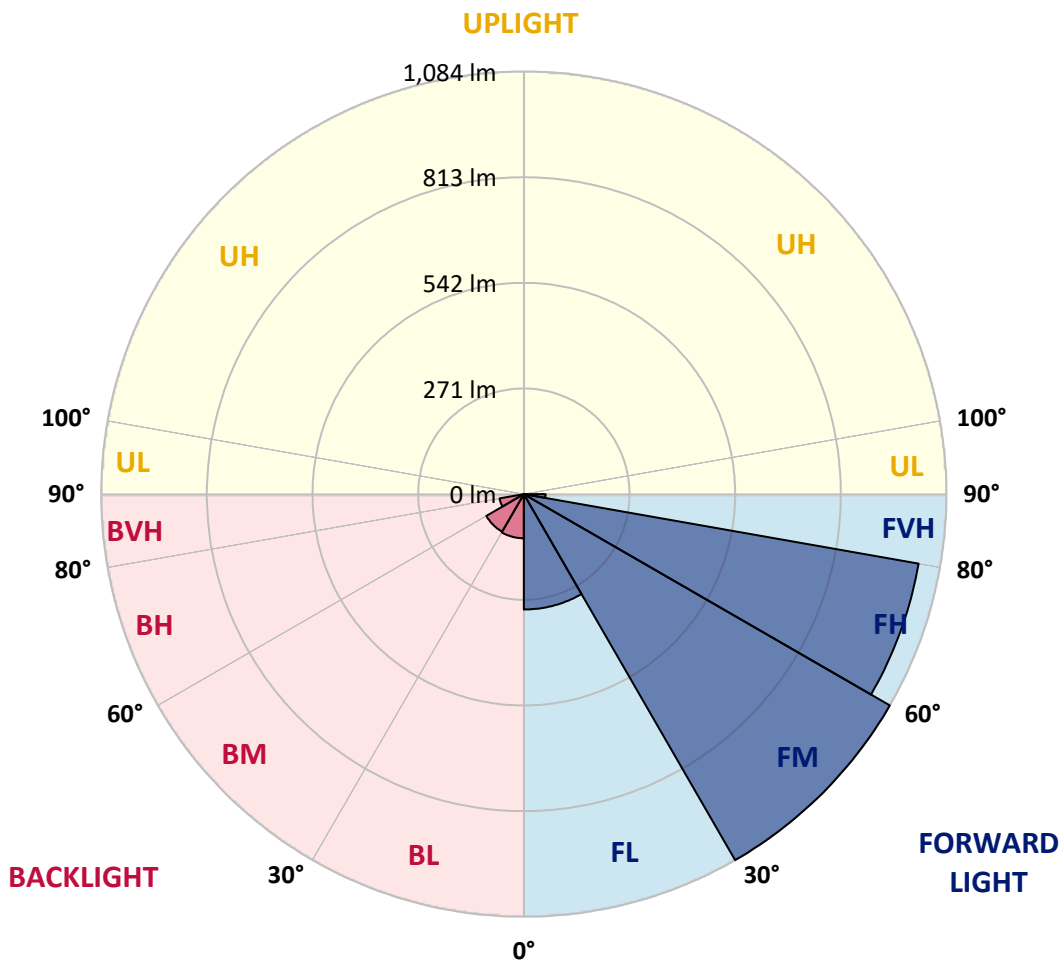
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.9	10.8			
FM (30°-60°)	1084.0	39.4			
FH (60°-80°)	1028.3	37.4			G1/1800
FVH (80°-90°)	55.7	2.0			G1/100
BL (0°-30°)	113.3	4.1	B1/500		
BM (30°-60°)	111.2	4.0	B0/220		
BH (60°-80°)	63.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
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°	58°	65°	75°	85°
0°	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3
2.5°	869.8	873.0	865.3	874.3	865.9	869.8	865.3	864.0	864.6	865.3	860.1
5°	829.1	836.9	840.1	835.0	847.2	845.3	853.0	853.7	850.4	847.2	847.9
7.5°	775.6	783.3	786.6	789.8	802.0	818.2	828.5	822.1	827.2	838.8	821.4
10°	736.9	734.9	734.3	740.7	764.0	777.5	795.0	793.0	805.9	816.9	802.7
12.5°	689.1	685.3	696.9	702.0	722.7	746.6	760.1	774.3	787.2	798.8	782.7
15°	653.6	656.9	661.4	672.4	687.2	718.8	738.8	752.4	775.6	781.4	774.9
17.5°	625.2	627.8	634.3	640.1	658.8	689.1	720.7	736.9	761.4	776.9	756.9
20°	625.9	618.2	618.2	624.0	634.3	670.4	704.0	709.1	742.7	769.1	755.6
22.5°	626.5	624.0	618.2	617.5	622.0	647.8	682.0	693.6	729.8	760.8	744.6
25°	635.6	625.9	626.5	617.5	619.4	632.3	659.4	676.9	718.2	765.3	738.8
27.5°	643.3	647.8	638.8	634.9	624.0	623.3	645.9	660.7	712.4	775.6	742.7
30°	660.7	664.0	664.0	661.4	651.1	636.2	641.4	660.1	700.7	773.7	736.2
32.5°	689.8	684.0	691.7	687.8	674.3	651.1	655.6	665.3	707.8	798.2	746.6
35°	699.5	704.0	714.3	705.9	701.4	687.8	678.8	685.9	718.2	822.7	762.0
37.5°	729.1	722.7	729.8	748.5	753.0	728.5	711.1	721.4	756.9	851.7	776.2
40°	731.7	736.9	749.8	786.6	791.1	780.8	766.6	769.1	795.6	889.2	811.7
42.5°	744.6	750.4	776.9	807.9	832.4	834.3	824.0	824.0	846.6	949.2	851.1
45°	769.8	760.1	794.3	846.6	882.1	889.2	902.7	899.5	917.5	1012.4	924.6
47.5°	779.5	782.7	820.1	883.3	924.0	956.9	979.5	980.1	989.2	1093.1	1020.1
50°	811.1	810.4	855.6	914.3	974.3	1034.3	1078.2	1078.2	1077.6	1171.8	1102.1
52.5°	853.0	851.7	886.6	956.3	1034.3	1109.8	1167.9	1169.8	1184.7	1268.6	1196.3
55°	921.4	915.6	949.2	1000.8	1094.3	1186.0	1286.6	1287.3	1275.7	1337.6	1264.0
57.5°	978.8	978.2	1005.9	1055.6	1161.5	1284.1	1400.8	1418.3	1381.5	1408.6	1318.2
60°	964.0	972.4	1029.8	1103.4	1232.4	1406.6	1524.1	1551.2	1492.5	1457.0	1358.9
62.5°	871.7	891.1	953.7	1071.1	1292.4	1584.7	1693.8	1681.5	1550.5	1498.3	1408.6
65°	627.2	646.5	724.0	900.1	1222.8	1710.6	1917.0	1861.6	1653.8	1559.6	1475.0
67.5°	369.1	376.8	425.2	574.3	914.3	1642.2	2188.0	2192.6	1857.0	1653.8	1589.9
70°	266.5	272.3	291.0	338.8	506.5	1287.3	2339.0	2456.5	2139.0	1762.2	1529.2
72.5°	204.5	204.5	236.2	282.0	322.6	771.1	2152.6	2388.1	2200.3	1658.3	1232.4
75°	147.1	151.0	185.2	242.6	297.5	387.2	1586.0	1895.1	1864.8	1344.1	860.8
77.5°	84.5	86.5	130.3	203.3	279.4	265.8	980.1	1284.7	1320.8	841.4	373.0
80°	43.2	44.5	72.9	160.7	252.9	231.6	584.6	845.9	717.5	244.6	86.5
82.5°	21.3	21.3	32.9	102.6	214.9	205.2	343.9	467.2	254.2	56.1	36.1
85°	7.1	7.7	14.8	58.1	155.5	123.9	210.4	222.0	85.2	21.3	20.0
87.5°	1.9	2.6	3.9	21.3	67.8	81.3	125.2	142.0	34.8	8.4	9.7
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°	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3
2.5°	840.8	836.2	831.1	818.2	807.9	794.3	785.3	778.2	764.6	767.2	761.4
5°	832.4	824.0	794.3	765.9	740.1	700.7	673.6	656.2	642.0	627.8	638.2
7.5°	817.5	797.5	751.1	698.2	643.3	591.7	540.1	509.1	486.5	465.9	465.2
10°	792.4	760.1	687.2	618.2	533.6	465.9	400.1	348.4	314.9	290.4	289.7
12.5°	764.0	730.4	638.8	526.5	429.1	333.6	254.9	200.0	168.4	149.1	146.5
15°	745.9	696.9	578.1	445.2	324.6	217.4	141.3	107.1	94.9	90.3	90.3
17.5°	722.7	666.5	518.1	360.7	225.2	125.8	91.6	82.6	81.9	80.7	79.4
20°	713.0	643.3	464.6	287.8	142.6	89.0	78.7	76.8	76.8	75.5	74.2
22.5°	687.2	609.8	407.8	211.0	94.9	78.1	74.2	71.6	70.3	69.0	70.3
25°	675.6	585.9	354.2	145.8	77.4	69.7	67.8	65.2	63.2	62.6	62.6
27.5°	667.8	562.0	302.0	101.3	68.4	63.9	60.0	58.1	55.5	52.9	52.9
30°	662.0	543.3	251.6	74.8	61.3	56.8	53.6	49.0	45.8	43.2	43.2
32.5°	654.3	521.4	201.3	63.9	55.5	51.0	45.2	41.3	36.8	34.8	34.8
35°	656.9	506.5	158.1	56.8	49.7	43.9	38.7	33.6	29.0	27.1	26.5
37.5°	662.0	495.6	120.0	51.0	44.5	38.1	32.3	26.5	23.9	21.3	21.3
40°	684.0	492.3	88.4	47.1	40.7	33.6	27.1	21.9	19.4	17.4	16.8
42.5°	720.7	496.8	68.4	42.6	36.8	28.4	22.6	18.1	15.5	13.6	12.9
45°	767.8	514.3	56.1	40.0	32.3	23.9	18.1	14.8	11.6	10.3	10.3
47.5°	836.2	541.4	49.0	36.8	28.4	20.0	15.5	11.6	9.0	7.7	7.7
50°	913.7	572.3	43.2	32.9	24.5	16.8	12.3	9.0	6.5	5.8	5.8
52.5°	991.1	611.7	40.0	30.3	21.3	13.6	9.7	6.5	4.5	3.9	3.9
55°	1072.4	646.5	36.1	28.4	17.4	11.0	7.1	3.9	2.6	1.9	1.9
57.5°	1129.2	660.1	31.6	24.5	13.6	8.4	5.2	2.6	1.3	0.6	0.6
60°	1169.8	662.0	27.1	20.0	10.3	6.5	3.2	1.3	0.6	0.0	0.0
62.5°	1204.0	665.9	23.2	15.5	7.7	4.5	1.9	0.6	0.0	0.0	0.0
65°	1271.8	662.7	18.7	12.3	5.2	2.6	1.3	0.0	0.0	0.0	0.0
67.5°	1325.3	630.4	14.8	8.4	3.2	1.3	0.6	0.0	0.0	0.0	0.0
70°	1172.4	480.7	11.6	5.8	1.9	0.6	0.0	0.0	0.0	0.0	0.0
72.5°	920.8	320.7	7.7	3.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0
75°	604.0	159.4	5.8	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	234.9	41.9	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	56.8	14.2	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.5	5.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.8	2.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.7	1.3	0.6	0.6	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)