

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: P674436

Luminaire Tested: **CCP-SA-1A-760-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674436  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-760-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

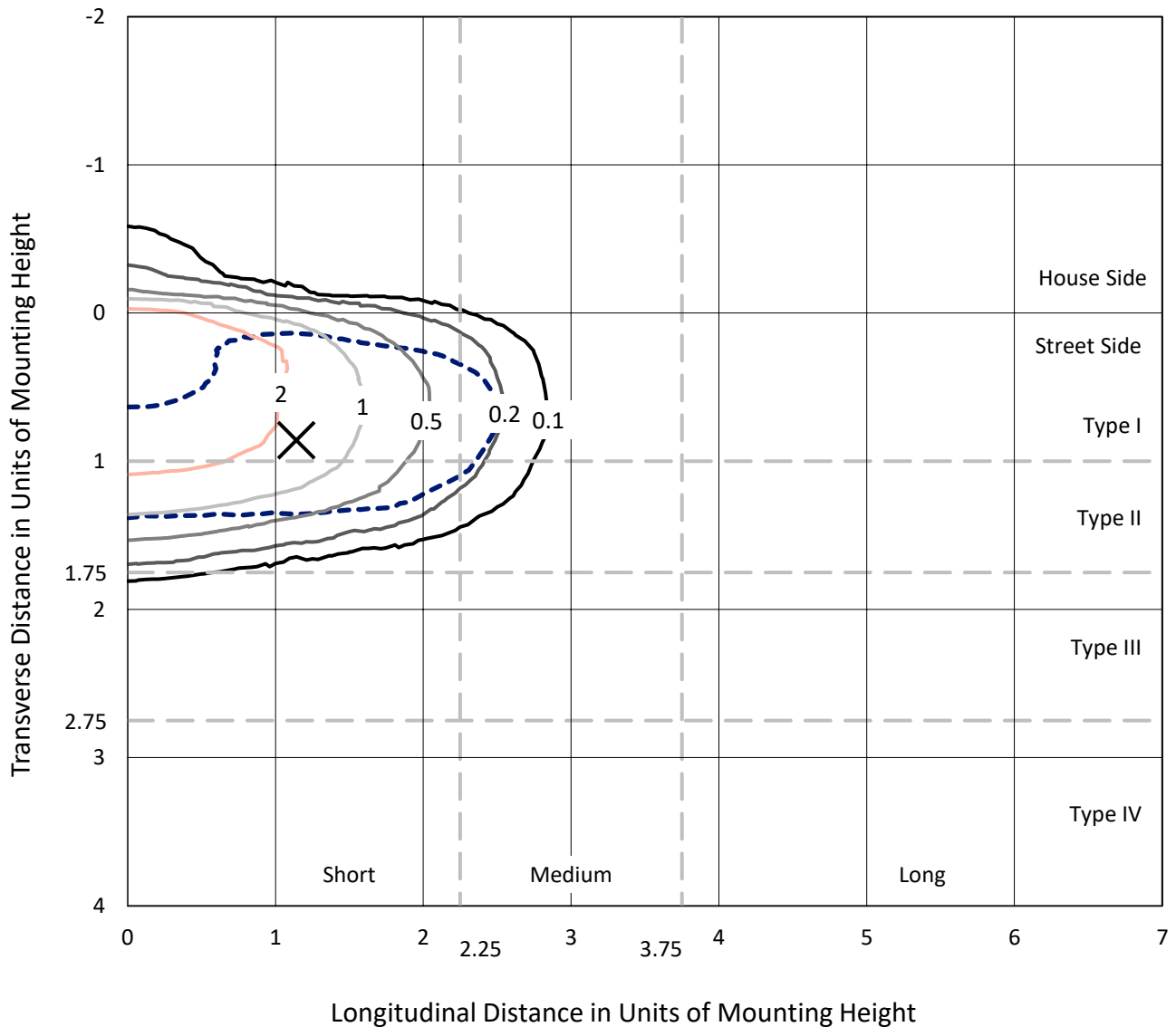
Lumens per Lamp: N/A  
Luminaire Lumens: 2320.6 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

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

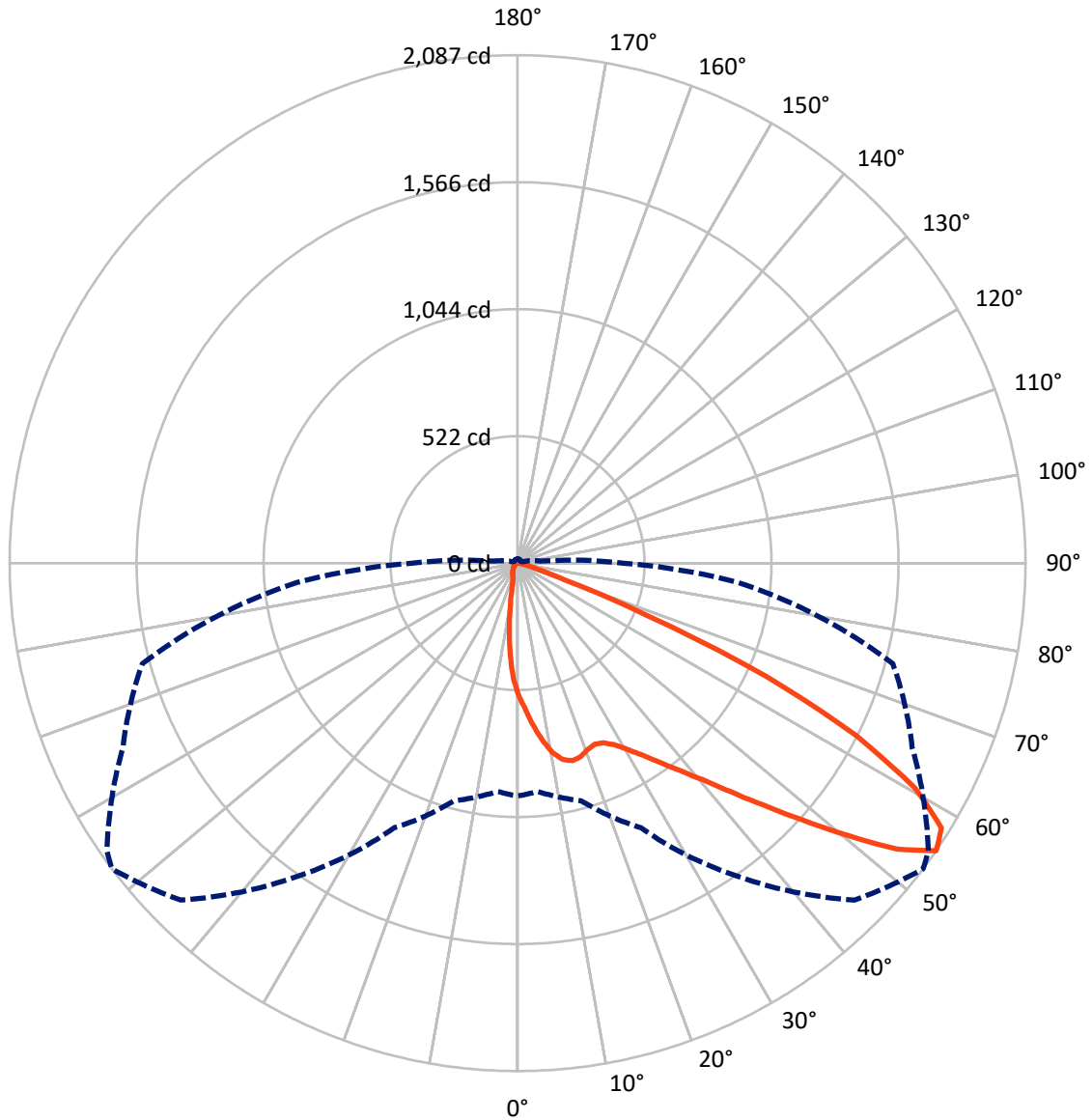
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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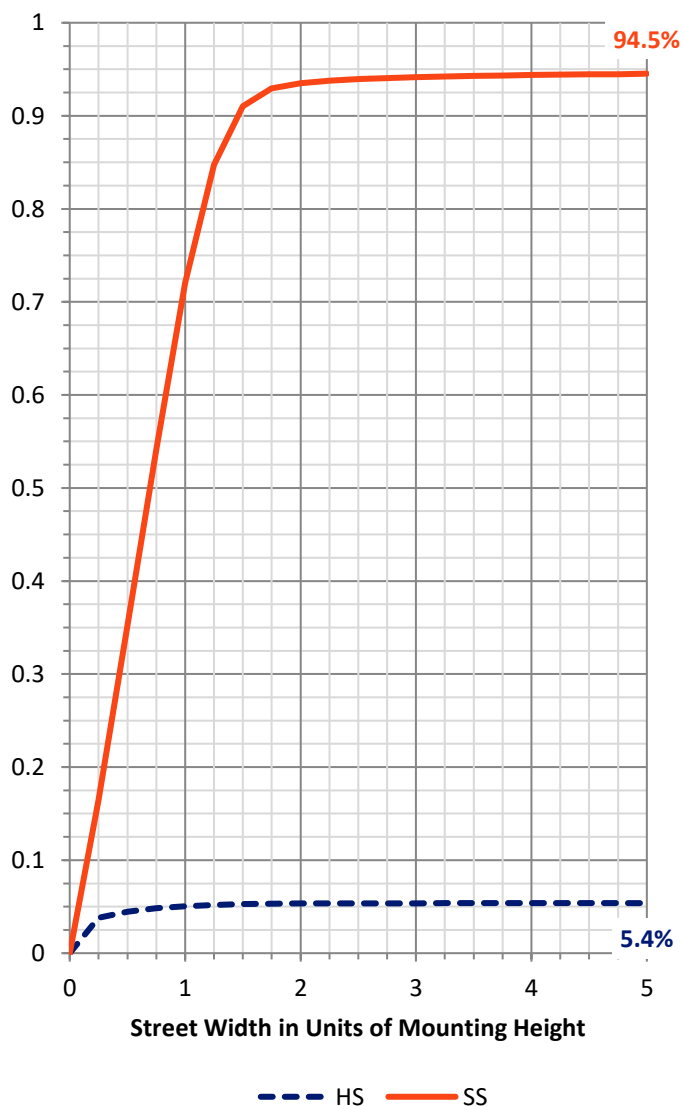
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	125.4	0.0	125.4
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	2195.2	0.0	2195.2
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	2320.6	0.0	2320.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.6	2.1
10°-20°	126.9	5.5
20°-30°	212.3	9.2
30°-40°	347.4	15.0
40°-50°	558.4	24.1
50°-60°	630.5	27.2
60°-70°	336.3	14.5
70°-80°	55.3	2.4
80°-90°	4.9	0.2
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°	2320.6	100.0
0°-180°	2320.6	100.0



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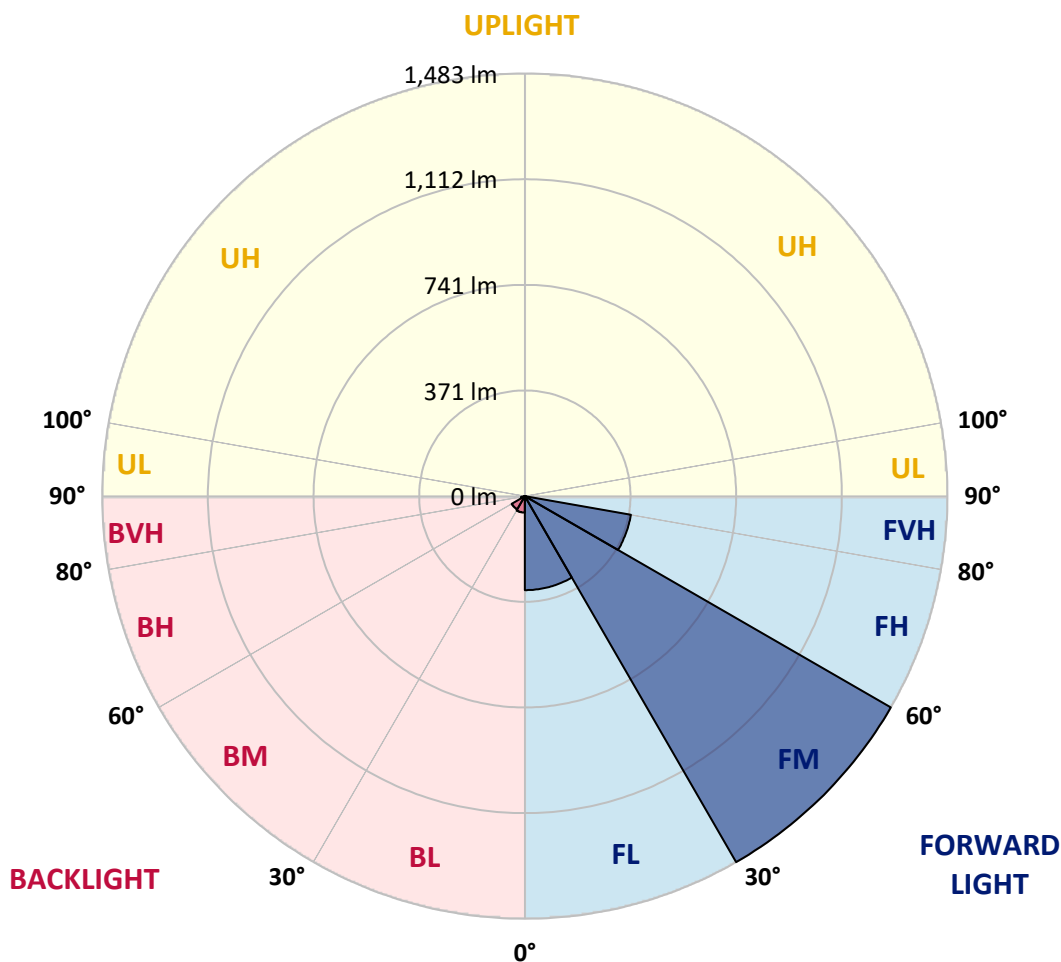
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.9	14.2			
FM (30°-60°)	1482.9	63.9			
FH (60°-80°)	377.9	16.3			G0/660
FVH (80°-90°)	4.5	0.2			G0/10
BL (0°-30°)	57.9	2.5	B0/110		
BM (30°-60°)	53.4	2.3	B0/220		
BH (60°-80°)	13.7	0.6	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-G0**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1
2.5°	651.3	647.4	649.6	643.7	633.0	619.5	599.4	600.4	584.6	570.7	551.6
5°	758.8	754.7	753.5	738.5	723.4	699.2	669.4	664.5	635.4	600.2	560.2
7.5°	815.5	812.1	814.7	809.2	794.4	772.4	734.6	731.0	686.0	632.8	573.8
10°	789.5	788.3	799.5	812.5	824.5	821.8	791.6	785.9	735.4	668.5	587.8
12.5°	719.6	723.4	737.7	761.7	798.7	833.4	828.6	829.6	785.9	707.4	603.3
15°	678.5	683.2	691.3	703.7	749.3	811.1	842.6	852.8	834.2	750.7	621.6
17.5°	675.0	678.9	680.1	684.8	711.4	775.1	836.9	856.2	877.4	791.6	642.1
20°	701.7	703.3	702.3	698.8	708.4	755.6	819.0	846.7	912.9	835.1	660.2
22.5°	751.9	749.5	746.4	733.6	733.0	761.1	809.2	838.1	934.1	871.1	672.2
25°	814.1	809.0	804.8	786.7	778.1	789.7	818.0	841.2	953.2	906.0	680.7
27.5°	882.0	883.7	873.1	848.7	835.3	832.8	845.0	862.3	971.7	937.3	685.4
30°	954.6	955.4	941.6	916.4	904.2	888.5	887.7	898.1	991.6	973.3	689.9
32.5°	1037.4	1039.6	1017.0	990.8	969.5	949.1	939.2	947.9	1027.4	1020.3	699.0
35°	1156.9	1147.2	1116.7	1077.0	1046.7	1020.1	1004.8	1010.5	1075.0	1076.6	717.3
37.5°	1280.1	1279.1	1245.4	1188.2	1138.6	1105.5	1079.5	1088.8	1141.9	1152.0	746.6
40°	1395.0	1397.7	1368.4	1318.6	1254.7	1197.8	1169.9	1176.2	1230.7	1243.5	782.2
42.5°	1470.1	1468.6	1470.9	1456.6	1392.6	1325.5	1283.6	1287.1	1334.0	1340.7	826.7
45°	1504.6	1499.1	1518.2	1563.4	1538.0	1467.4	1419.6	1415.4	1441.2	1439.4	867.2
47.5°	1474.7	1464.6	1508.5	1617.3	1666.5	1645.1	1576.8	1569.1	1547.1	1532.5	909.3
50°	1326.1	1321.6	1415.6	1591.6	1747.2	1809.4	1759.2	1730.5	1641.7	1601.2	931.4
52.5°	1184.8	1172.4	1235.8	1460.9	1711.2	1941.6	1951.9	1900.9	1720.1	1620.9	923.9
55°	957.1	941.8	1010.9	1200.2	1568.7	1958.4	2087.4	2060.7	1788.9	1596.5	908.7
57.5°	581.3	566.3	667.9	859.7	1254.5	1818.1	2054.0	2081.1	1841.7	1569.7	898.7
60°	244.4	234.8	274.7	410.3	801.1	1494.2	1877.1	1944.6	1851.7	1532.9	902.8
62.5°	127.1	122.8	125.0	164.3	323.9	983.9	1562.4	1679.9	1751.3	1516.6	906.8
65°	95.4	92.1	85.0	90.3	125.9	425.4	1122.8	1280.1	1533.5	1475.3	879.4
67.5°	78.3	75.2	70.1	68.5	74.2	147.6	573.2	777.7	1201.7	1299.5	781.0
70°	62.4	61.4	59.8	56.7	55.7	71.6	205.6	317.0	794.6	916.4	566.1
72.5°	52.1	52.3	50.4	47.8	44.1	46.2	81.9	108.4	384.5	439.4	237.1
75°	43.5	43.5	44.1	40.5	36.8	31.7	45.5	52.9	123.4	101.5	50.6
77.5°	34.2	34.6	37.2	34.2	29.5	19.9	24.8	28.3	36.6	29.3	18.5
80°	27.2	26.8	25.8	30.7	26.4	14.0	11.8	13.0	17.1	14.0	9.1
82.5°	19.1	18.9	18.1	20.7	20.5	10.4	7.7	7.9	10.4	8.9	5.7
85°	4.7	5.5	11.6	9.8	8.5	6.1	4.7	5.1	6.7	5.9	3.0
87.5°	2.0	2.0	5.3	6.3	4.1	2.6	2.0	2.2	3.5	3.5	1.8
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°	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1
2.5°	544.9	531.7	515.0	497.3	479.2	457.5	443.7	432.3	423.3	416.4	414.0
5°	546.9	521.5	483.7	436.7	389.0	344.2	309.7	284.0	262.9	251.3	246.2
7.5°	546.7	513.0	444.7	366.0	288.3	223.9	178.1	149.9	130.9	123.2	118.5
10°	546.5	501.8	400.1	287.5	192.8	129.7	95.6	79.7	72.8	70.1	69.7
12.5°	552.4	489.0	350.3	211.7	121.0	80.7	66.5	62.8	61.2	60.4	60.2
15°	555.7	477.2	297.9	149.4	81.5	63.8	59.4	57.7	57.1	56.7	56.5
17.5°	559.1	458.9	248.1	108.2	65.3	57.9	55.3	54.3	53.9	53.9	53.9
20°	559.8	439.2	198.7	79.7	57.9	54.1	51.4	50.4	49.8	49.4	49.4
22.5°	555.3	415.8	156.2	64.7	53.7	50.4	47.6	46.0	44.9	44.7	44.7
25°	544.1	382.7	119.8	56.7	50.2	46.8	43.3	41.5	40.7	40.7	40.7
27.5°	528.0	343.6	92.5	50.4	45.7	42.3	39.2	37.6	37.4	37.2	37.4
30°	509.7	306.0	70.8	44.7	40.5	37.6	35.2	34.4	34.8	34.8	35.0
32.5°	491.4	268.4	55.3	40.3	35.8	33.3	32.1	32.1	32.7	32.7	32.7
35°	475.8	231.6	46.4	36.6	32.5	30.5	29.9	30.5	30.9	31.1	31.1
37.5°	467.0	199.9	40.9	33.3	29.9	28.3	28.1	28.7	29.5	30.1	30.3
40°	463.8	175.5	37.6	30.9	27.4	26.4	26.2	27.0	28.5	29.5	29.7
42.5°	464.0	153.9	34.8	28.5	25.8	24.4	24.4	25.6	27.0	28.1	28.1
45°	465.4	135.4	31.9	26.0	24.4	22.0	22.2	23.8	24.8	25.8	25.8
47.5°	466.6	120.6	28.9	23.4	21.1	19.9	20.3	21.6	23.0	24.6	24.6
50°	459.5	110.0	25.8	20.5	18.5	18.1	18.9	19.9	22.0	23.6	23.8
52.5°	442.4	100.4	23.2	18.3	16.7	16.9	17.9	18.5	20.1	20.3	20.5
55°	434.9	95.6	21.1	16.7	15.2	15.9	16.5	16.7	16.3	15.2	15.2
57.5°	433.3	92.3	19.1	15.0	14.0	14.8	14.6	13.4	12.2	11.0	10.8
60°	434.9	87.8	17.5	13.0	12.8	13.0	12.4	10.2	8.5	7.7	7.3
62.5°	425.6	81.3	16.1	11.2	11.2	11.0	9.4	6.9	5.5	4.9	4.7
65°	394.7	68.5	14.6	9.4	9.1	8.7	6.3	4.7	3.7	3.0	2.8
67.5°	333.9	53.1	13.2	7.7	7.3	6.1	4.1	3.0	2.0	1.8	1.6
70°	227.7	32.9	11.2	6.1	5.5	3.9	2.4	1.8	1.2	1.0	0.8
72.5°	82.6	19.1	9.4	4.7	3.7	2.4	1.4	0.8	0.6	0.6	0.4
75°	19.5	13.4	7.1	3.5	2.4	1.4	0.8	0.6	0.4	0.4	0.2
77.5°	8.9	10.4	4.7	2.0	1.6	1.0	0.6	0.4	0.2	0.2	0.0
80°	5.1	7.3	2.2	1.4	1.2	0.8	0.4	0.2	0.2	0.0	0.0
82.5°	2.6	4.1	1.6	1.2	1.0	0.6	0.4	0.0	0.0	0.0	0.0
85°	1.8	2.0	1.2	1.0	0.8	0.6	0.4	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	1.2	1.0	0.8	0.6	0.2	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)