

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: P674491

Luminaire Tested: **CCP-SA-1A-850-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674491  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-850-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

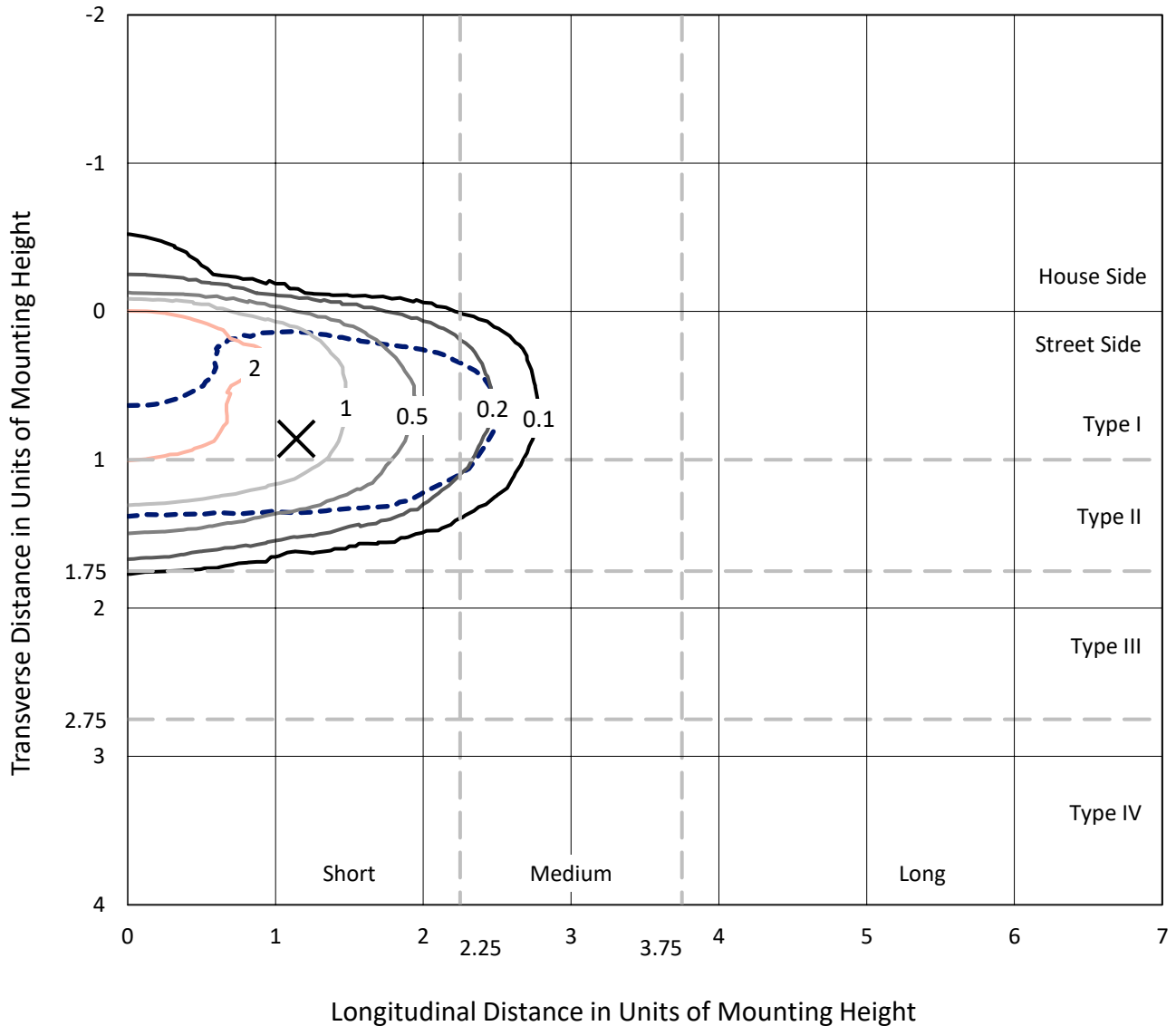
Lumens per Lamp: N/A  
Luminaire Lumens: 1979.7 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

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

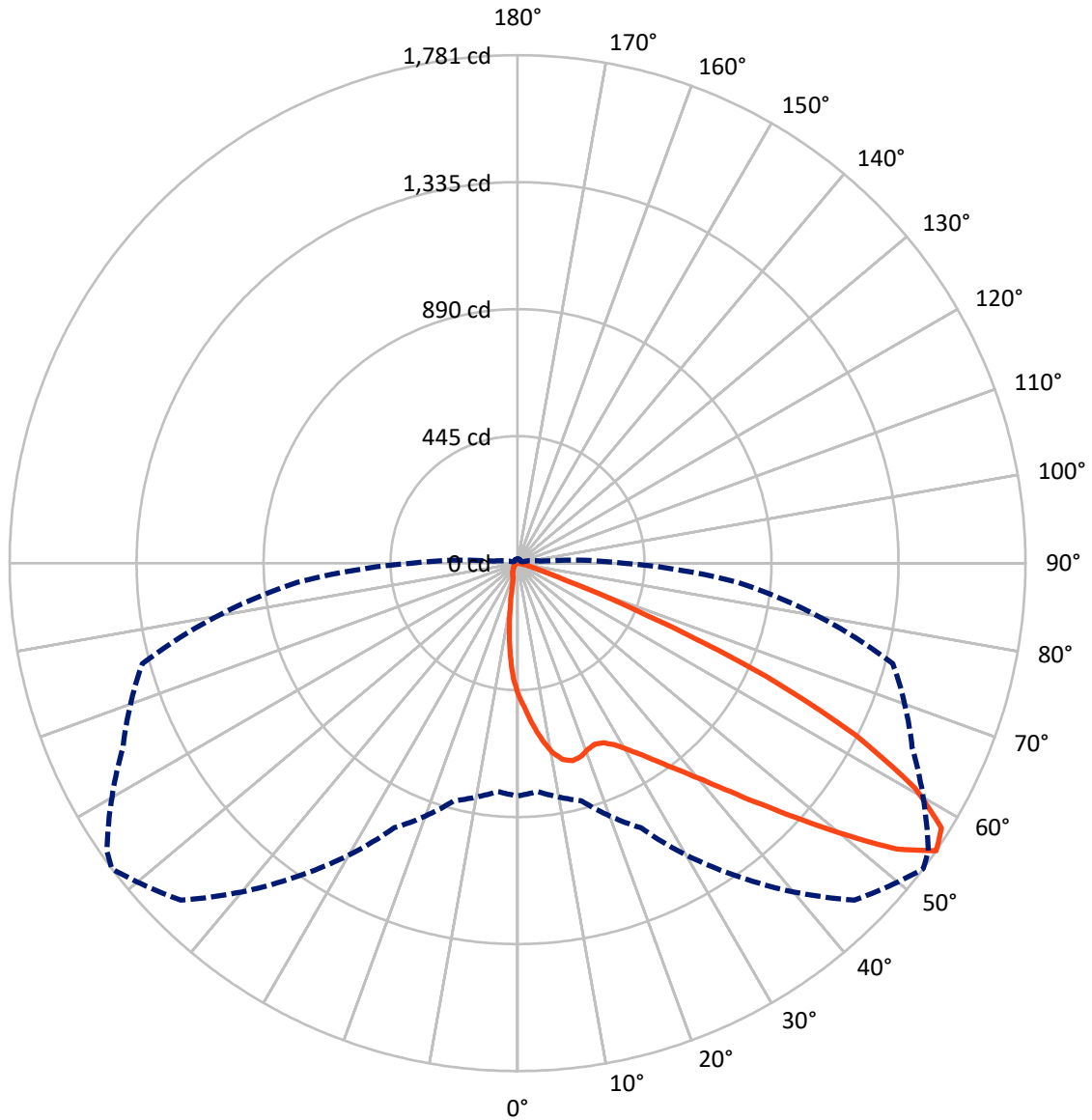
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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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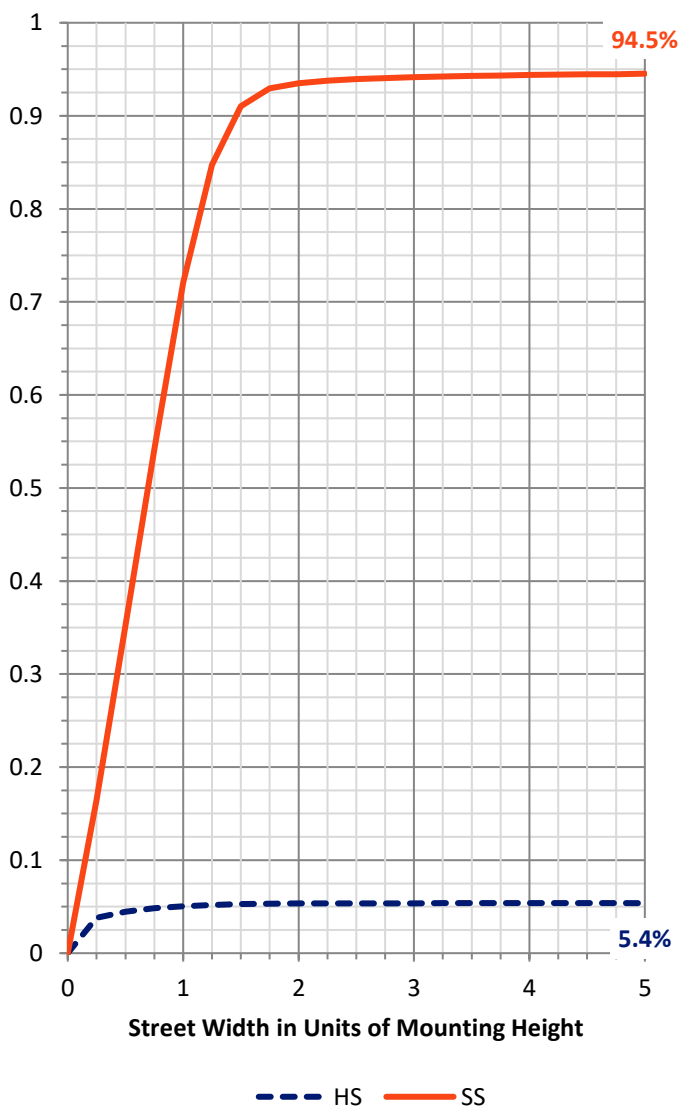
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	107.0	0.0	107.0
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	1872.6	0.0	1872.6
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	1979.7	0.0	1979.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.4	2.1
10°-20°	108.2	5.5
20°-30°	181.1	9.2
30°-40°	296.4	15.0
40°-50°	476.4	24.1
50°-60°	537.9	27.2
60°-70°	286.9	14.5
70°-80°	47.1	2.4
80°-90°	4.2	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°	1979.7	100.0
0°-180°	1979.7	100.0

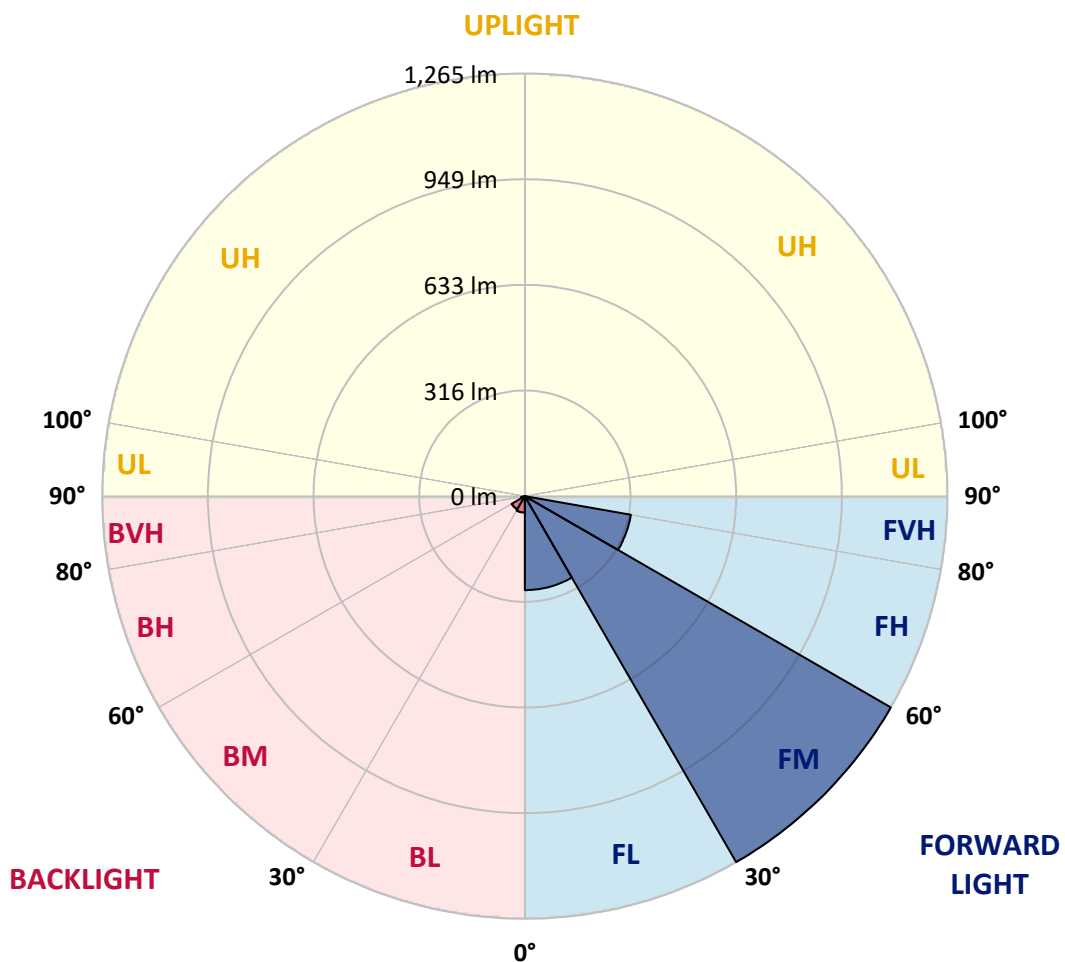


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.4	14.2			
FM (30°-60°)	1265.0	63.9			
FH (60°-80°)	322.3	16.3			G0/660
FVH (80°-90°)	3.9	0.2			G0/10
BL (0°-30°)	49.4	2.5	B0/110		
BM (30°-60°)	45.6	2.3	B0/220		
BH (60°-80°)	11.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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°	463.3	463.3	463.3	463.3	463.3	463.3	463.3	463.3	463.3	463.3	463.3
2.5°	555.6	552.3	554.2	549.1	540.0	528.5	511.3	512.2	498.7	486.9	470.6
5°	647.3	643.8	642.8	630.0	617.1	596.5	571.0	566.8	542.0	512.0	477.9
7.5°	695.7	692.8	695.0	690.3	677.7	658.9	626.7	623.6	585.2	539.8	489.5
10°	673.5	672.5	682.0	693.1	703.3	701.1	675.2	670.4	627.4	570.3	501.4
12.5°	613.8	617.1	629.3	649.7	681.3	711.0	706.8	707.7	670.4	603.4	514.6
15°	578.8	582.8	589.7	600.3	639.2	691.9	718.8	727.5	711.7	640.4	530.2
17.5°	575.9	579.2	580.2	584.2	606.9	661.2	713.9	730.4	748.4	675.2	547.8
20°	598.6	600.0	599.1	596.2	604.3	644.5	698.7	722.2	778.8	712.4	563.2
22.5°	641.4	639.3	636.7	625.8	625.3	649.2	690.3	715.0	796.8	743.1	573.4
25°	694.5	690.2	686.5	671.1	663.8	673.7	697.8	717.6	813.1	772.9	580.7
27.5°	752.4	753.8	744.8	724.0	712.5	710.5	720.9	735.6	828.9	799.6	584.7
30°	814.4	815.0	803.3	781.7	771.3	758.0	757.3	766.1	845.9	830.3	588.5
32.5°	884.9	886.9	867.6	845.2	827.0	809.7	801.2	808.6	876.4	870.4	596.3
35°	986.9	978.6	952.6	918.8	892.9	870.2	857.2	862.1	917.0	918.4	611.9
37.5°	1092.0	1091.2	1062.4	1013.6	971.3	943.1	920.9	928.8	974.1	982.8	636.9
40°	1190.0	1192.3	1167.3	1124.8	1070.4	1021.8	998.0	1003.4	1049.9	1060.8	667.3
42.5°	1254.1	1252.8	1254.7	1242.6	1188.0	1130.7	1095.0	1097.9	1138.0	1143.7	705.3
45°	1283.5	1278.9	1295.2	1333.7	1312.0	1251.8	1211.0	1207.4	1229.4	1227.9	739.8
47.5°	1258.0	1249.4	1286.8	1379.6	1421.6	1403.4	1345.1	1338.5	1319.8	1307.3	775.7
50°	1131.2	1127.4	1207.6	1357.8	1490.5	1543.5	1500.7	1476.2	1400.4	1365.9	794.6
52.5°	1010.7	1000.1	1054.2	1246.2	1459.8	1656.3	1665.1	1621.6	1467.4	1382.8	788.2
55°	816.4	803.4	862.4	1023.9	1338.2	1670.7	1780.6	1757.9	1526.0	1361.9	775.2
57.5°	495.9	483.1	569.8	733.4	1070.2	1551.0	1752.2	1775.3	1571.1	1339.0	766.7
60°	208.5	200.3	234.3	350.0	683.4	1274.7	1601.3	1658.9	1579.6	1307.6	770.1
62.5°	108.4	104.8	106.7	140.1	276.3	839.3	1332.8	1433.1	1493.9	1293.8	773.6
65°	81.3	78.6	72.5	77.0	107.4	362.9	957.8	1092.0	1308.2	1258.6	750.2
67.5°	66.8	64.2	59.8	58.5	63.3	125.9	489.0	663.4	1025.1	1108.5	666.2
70°	53.2	52.4	51.0	48.4	47.5	61.1	175.4	270.4	677.8	781.7	482.9
72.5°	44.4	44.6	43.0	40.8	37.6	39.4	69.9	92.4	328.0	374.8	202.2
75°	37.1	37.1	37.6	34.5	31.4	27.1	38.9	45.1	105.3	86.6	43.2
77.5°	29.1	29.5	31.7	29.1	25.2	17.0	21.2	24.1	31.2	25.0	15.8
80°	23.2	22.9	22.0	26.2	22.5	12.0	10.1	11.1	14.6	12.0	7.8
82.5°	16.3	16.1	15.4	17.7	17.5	8.8	6.6	6.8	8.8	7.6	4.9
85°	4.0	4.7	9.9	8.3	7.3	5.2	4.0	4.3	5.7	5.0	2.6
87.5°	1.7	1.7	4.5	5.4	3.5	2.3	1.7	1.9	2.9	2.9	1.6
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°	463.3	463.3	463.3	463.3	463.3	463.3	463.3	463.3	463.3	463.3	463.3
2.5°	464.8	453.6	439.4	424.3	408.8	390.3	378.5	368.8	361.1	355.2	353.1
5°	466.6	444.9	412.6	372.6	331.8	293.7	264.2	242.3	224.3	214.4	210.0
7.5°	466.4	437.6	379.3	312.2	246.0	191.0	151.9	127.8	111.7	105.1	101.1
10°	466.2	428.1	341.4	245.3	164.4	110.7	81.5	68.0	62.1	59.8	59.5
12.5°	471.3	417.1	298.9	180.6	103.2	68.9	56.7	53.6	52.2	51.5	51.3
15°	474.0	407.1	254.1	127.5	69.6	54.5	50.6	49.3	48.7	48.4	48.2
17.5°	477.0	391.5	211.6	92.3	55.7	49.4	47.2	46.3	46.0	46.0	46.0
20°	477.5	374.7	169.5	68.0	49.4	46.1	43.9	43.0	42.5	42.1	42.1
22.5°	473.7	354.7	133.2	55.2	45.8	43.0	40.6	39.2	38.3	38.2	38.2
25°	464.2	326.4	102.2	48.4	42.8	39.9	36.9	35.4	34.7	34.7	34.7
27.5°	450.5	293.1	78.9	43.0	39.0	36.1	33.5	32.1	31.9	31.7	31.9
30°	434.8	261.0	60.4	38.2	34.5	32.1	30.0	29.3	29.7	29.7	29.8
32.5°	419.2	229.0	47.2	34.3	30.5	28.4	27.4	27.4	27.9	27.9	27.9
35°	405.9	197.6	39.5	31.2	27.8	26.0	25.5	26.0	26.4	26.5	26.5
37.5°	398.4	170.5	34.9	28.4	25.5	24.1	23.9	24.5	25.2	25.7	25.8
40°	395.6	149.7	32.1	26.4	23.4	22.5	22.4	23.1	24.3	25.2	25.3
42.5°	395.8	131.3	29.7	24.3	22.0	20.8	20.8	21.9	23.1	23.9	23.9
45°	397.0	115.5	27.2	22.2	20.8	18.7	18.9	20.3	21.2	22.0	22.0
47.5°	398.1	102.9	24.6	19.9	18.0	17.0	17.3	18.4	19.6	21.0	21.0
50°	392.0	93.8	22.0	17.5	15.8	15.4	16.1	17.0	18.7	20.1	20.3
52.5°	377.4	85.7	19.8	15.6	14.2	14.4	15.3	15.8	17.2	17.3	17.5
55°	371.0	81.5	18.0	14.2	13.0	13.5	14.0	14.2	13.9	13.0	13.0
57.5°	369.6	78.7	16.3	12.8	12.0	12.7	12.5	11.4	10.4	9.4	9.2
60°	371.0	74.9	14.9	11.1	10.9	11.1	10.6	8.7	7.3	6.6	6.2
62.5°	363.0	69.4	13.7	9.5	9.5	9.4	8.0	5.9	4.7	4.2	4.0
65°	336.7	58.5	12.5	8.0	7.8	7.5	5.4	4.0	3.1	2.6	2.4
67.5°	284.8	45.3	11.3	6.6	6.2	5.2	3.5	2.6	1.7	1.6	1.4
70°	194.3	28.1	9.5	5.2	4.7	3.3	2.1	1.6	1.0	0.9	0.7
72.5°	70.4	16.3	8.0	4.0	3.1	2.1	1.2	0.7	0.5	0.5	0.3
75°	16.7	11.4	6.1	2.9	2.1	1.2	0.7	0.5	0.3	0.3	0.2
77.5°	7.6	8.8	4.0	1.7	1.4	0.9	0.5	0.3	0.2	0.2	0.0
80°	4.3	6.2	1.9	1.2	1.0	0.7	0.3	0.2	0.2	0.0	0.0
82.5°	2.3	3.5	1.4	1.0	0.9	0.5	0.3	0.0	0.0	0.0	0.0
85°	1.6	1.7	1.0	0.9	0.7	0.5	0.3	0.0	0.0	0.0	0.0
87.5°	1.2	1.2	1.0	0.9	0.7	0.5	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)