

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: P676440

Luminaire Tested: **CCW-SA-1A-760-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676440  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-760-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
T3 distribution lens and House Side Shield  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

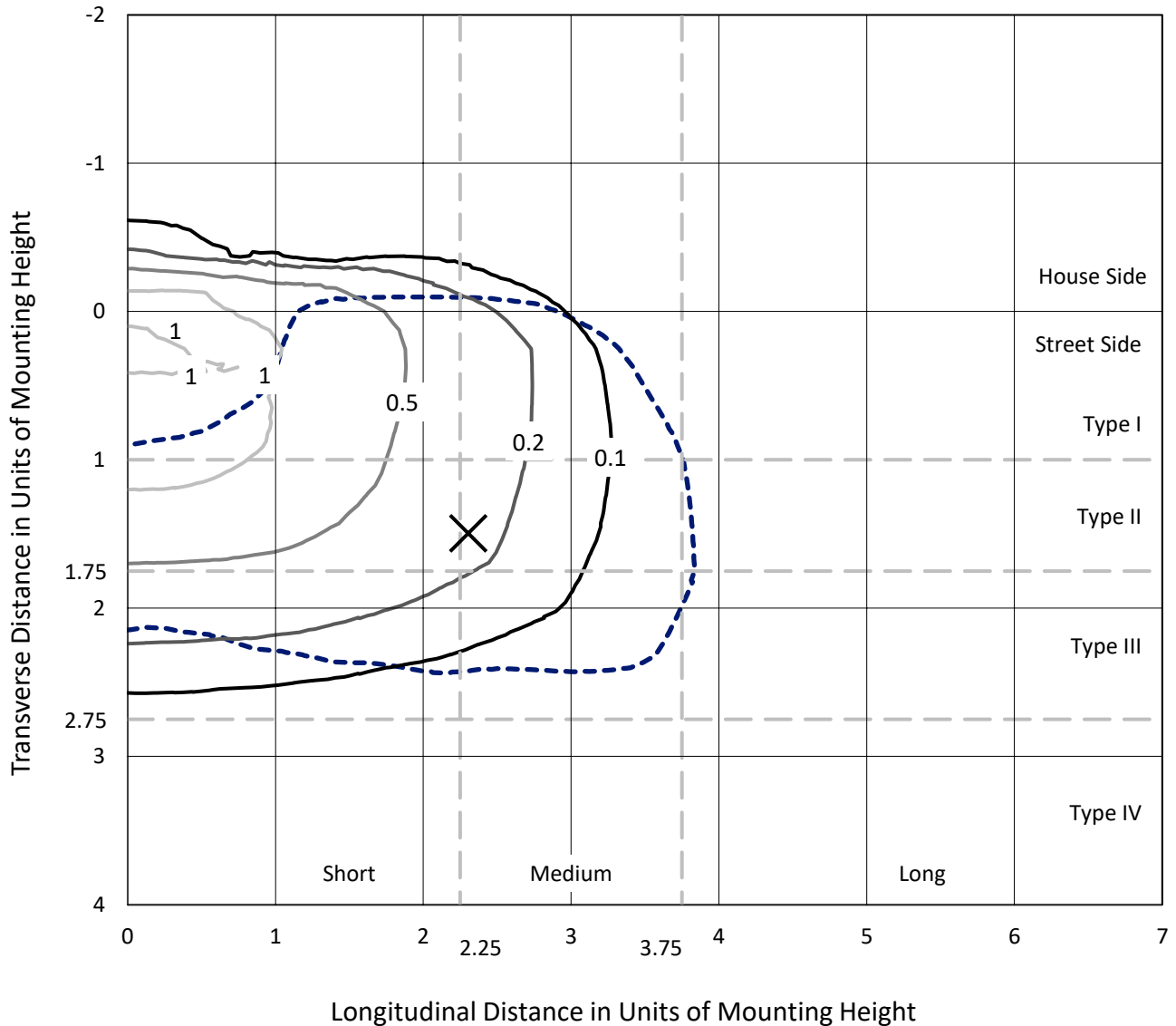
Lumens per Lamp: N/A  
Luminaire Lumens: 2016 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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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 CATALOG NUMBER: CCW-SA-1A-760-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

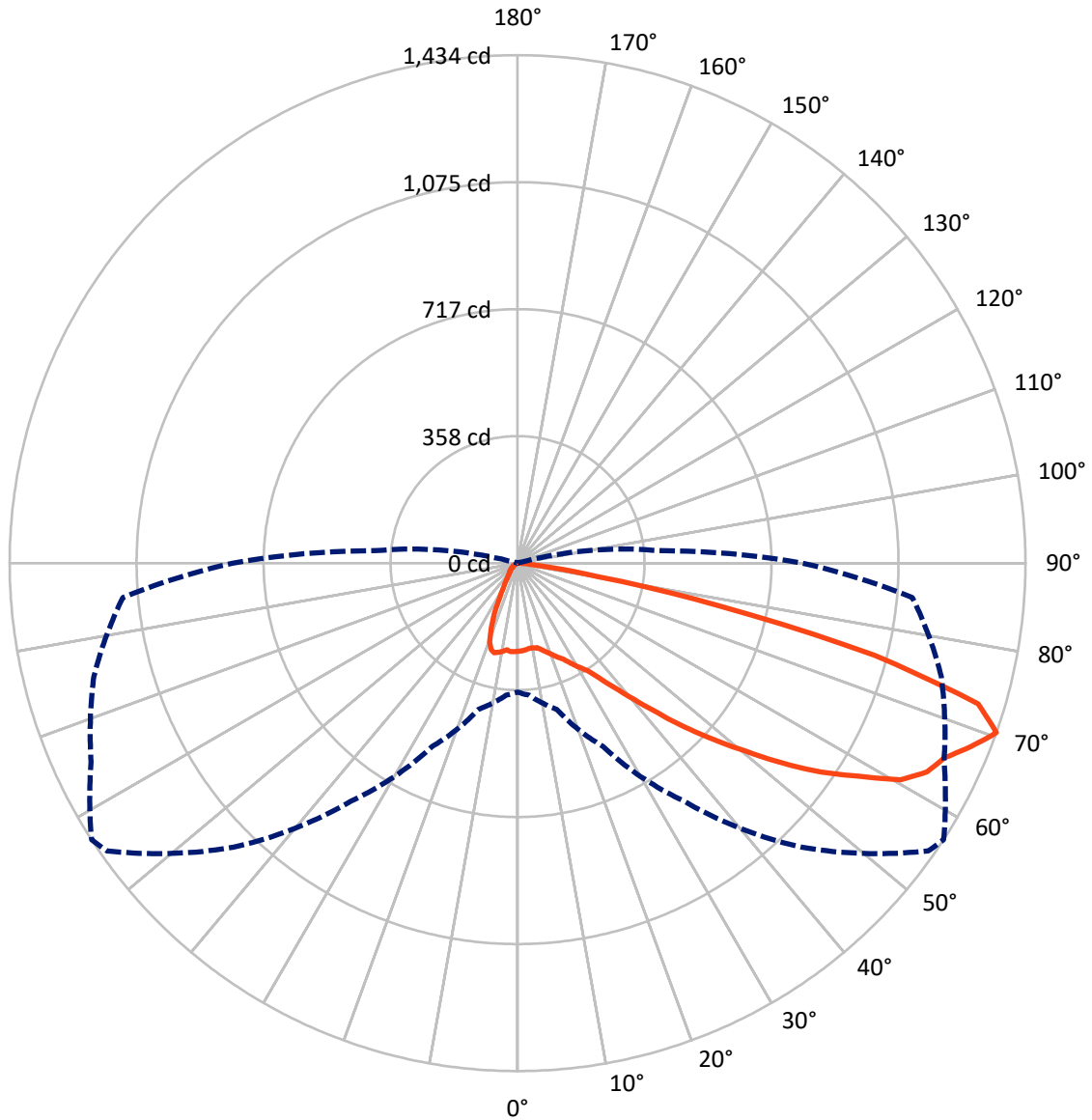
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P676440  
CATALOG NUMBER: CCW-SA-1A-760-U-T3-HSS

### Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: CCW-SA-1A-760-U-T3-HSS

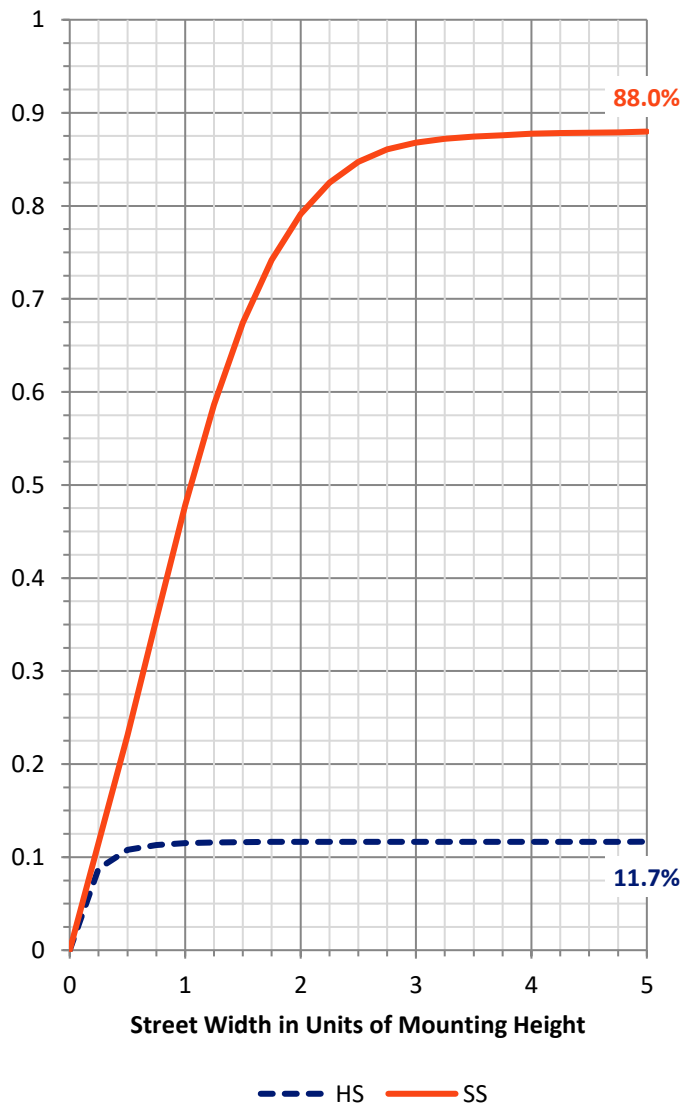
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	237.6	0.0	237.6
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	1778.4	0.0	1778.4
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	2016.0	0.0	2016.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.3	1.2
10°-20°	65.0	3.2
20°-30°	109.5	5.4
30°-40°	187.4	9.3
40°-50°	314.6	15.6
50°-60°	482.9	24.0
60°-70°	557.6	27.7
70°-80°	263.4	13.1
80°-90°	12.5	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°	2016.0	100.0
0°-180°	2016.0	100.0

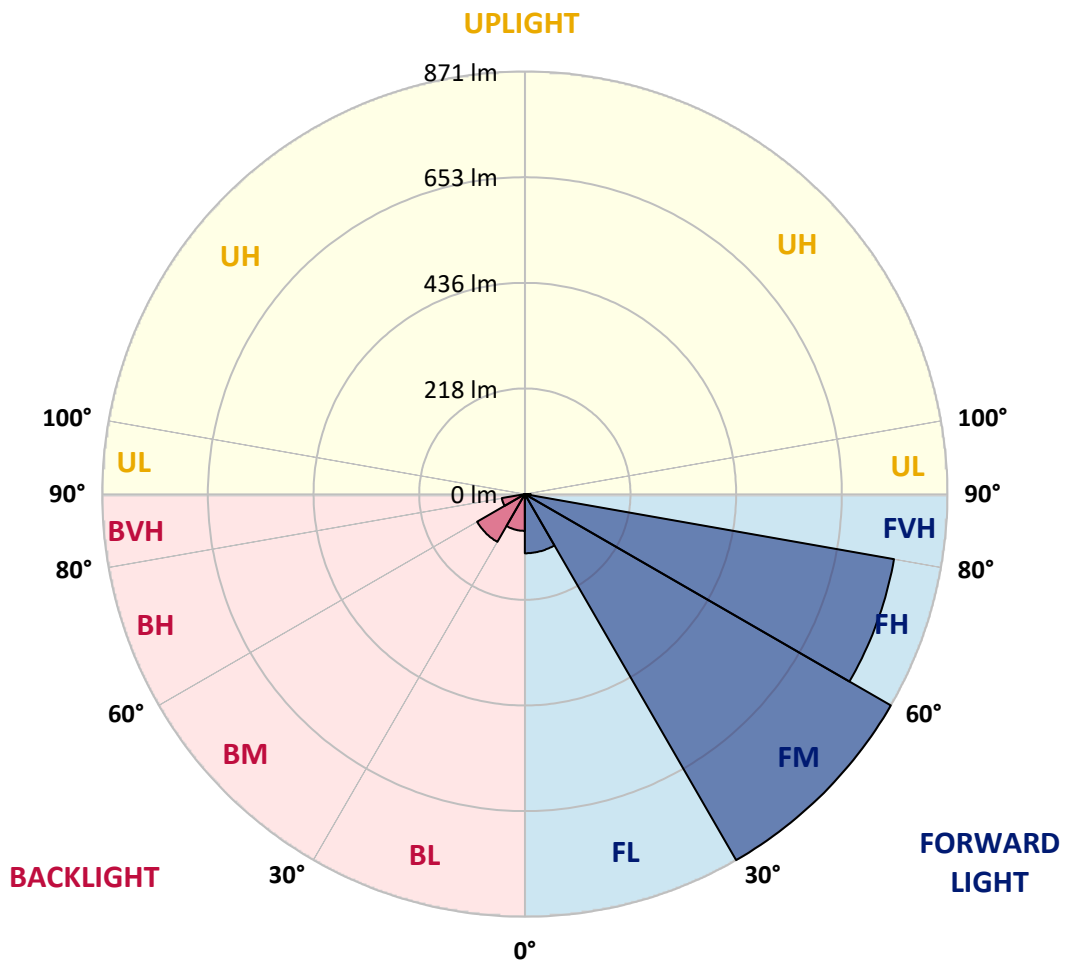


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.0	6.0			
FM (30°-60°)	871.3	43.2			
FH (60°-80°)	772.9	38.3			G1/1800
FVH (80°-90°)	12.3	0.6			G1/100
BL (0°-30°)	75.8	3.8	B0/110		
BM (30°-60°)	113.6	5.6	B0/220		
BH (60°-80°)	48.1	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-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8
2.5°	245.1	243.6	245.1	247.2	245.1	246.7	246.2	247.7	245.7	245.7	247.2
5°	229.2	231.8	232.8	235.4	237.9	242.6	245.7	245.7	248.8	250.3	252.4
7.5°	223.5	219.4	223.5	225.6	228.2	235.9	240.5	242.6	246.7	252.4	255.4
10°	215.3	218.4	218.4	225.1	228.7	233.3	241.5	243.1	252.4	258.0	261.1
12.5°	214.8	214.8	217.3	222.0	229.2	237.9	248.2	245.1	254.9	265.2	270.4
15°	216.3	219.9	219.9	226.1	231.8	244.1	252.9	253.4	267.3	277.6	282.2
17.5°	223.0	221.5	223.5	227.1	235.9	247.7	262.1	263.7	279.7	293.6	300.3
20°	236.9	239.5	236.4	234.3	237.9	253.4	271.9	275.0	293.0	306.4	313.1
22.5°	288.9	286.9	274.5	260.1	253.9	261.1	281.2	288.4	309.5	325.5	331.2
25°	347.6	344.0	329.6	308.0	279.7	276.6	299.7	299.7	330.1	347.6	346.1
27.5°	403.3	402.2	385.2	362.6	322.4	300.3	314.7	320.3	353.3	367.7	361.0
30°	459.9	460.9	445.5	418.2	376.0	338.4	335.8	340.4	370.8	393.5	379.6
32.5°	525.8	516.6	505.7	468.2	429.5	387.3	363.1	361.0	390.4	411.0	392.4
35°	584.5	578.9	567.0	533.0	488.8	438.3	404.3	399.1	415.1	442.4	422.3
37.5°	636.0	630.4	614.9	592.3	557.8	501.6	453.7	446.0	452.7	481.5	457.3
40°	680.3	681.9	677.8	655.6	623.7	572.7	517.6	505.2	499.6	525.3	498.0
42.5°	712.3	727.2	728.2	700.9	675.2	647.4	585.6	575.8	562.4	584.0	565.0
45°	779.2	771.0	776.1	766.3	738.0	733.9	663.9	658.2	639.7	646.9	626.8
47.5°	831.8	830.2	840.0	824.0	816.3	816.8	753.0	743.2	716.9	730.3	707.6
50°	862.1	853.9	889.4	901.8	900.3	906.4	843.1	834.8	809.6	829.2	780.8
52.5°	869.4	884.3	917.8	962.6	981.6	994.5	941.5	938.4	911.1	923.4	856.5
55°	887.4	901.8	921.4	995.0	1065.6	1068.7	1038.3	1041.4	1017.2	1014.1	928.6
57.5°	886.9	883.8	937.8	1023.3	1121.2	1165.5	1149.0	1134.1	1107.8	1077.4	974.9
60°	854.4	852.9	909.0	1026.9	1151.6	1253.0	1259.7	1242.2	1176.3	1131.5	1029.5
62.5°	790.0	796.2	852.9	996.0	1180.4	1284.5	1309.2	1297.3	1215.4	1167.5	1093.9
65°	716.4	703.5	769.4	918.8	1115.5	1275.2	1328.7	1324.6	1261.8	1206.7	1153.1
67.5°	574.8	580.4	630.9	790.6	1004.8	1241.2	1374.6	1380.8	1298.9	1241.2	1171.2
70°	364.1	374.4	427.0	571.2	820.4	1134.1	1415.8	1433.8	1328.2	1238.1	1118.6
72.5°	106.1	110.2	181.8	284.8	522.7	909.5	1349.9	1359.1	1271.1	1123.8	865.2
75°	35.0	37.1	53.6	92.7	205.0	470.2	997.1	1040.9	1011.5	814.8	494.9
77.5°	23.2	24.2	29.4	44.3	77.8	147.3	534.6	581.5	570.1	381.6	159.7
80°	17.0	17.5	21.6	29.9	47.4	53.0	197.3	228.2	220.4	87.6	31.9
82.5°	10.8	10.8	16.0	21.1	29.9	26.3	57.2	63.3	61.8	33.5	12.4
85°	7.2	7.7	11.8	16.5	16.5	12.4	16.5	19.1	20.6	18.0	5.7
87.5°	2.1	2.6	6.7	11.3	6.7	6.2	5.7	6.2	7.2	9.8	3.1
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°	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8
2.5°	248.8	250.8	250.3	251.3	249.8	248.2	249.8	249.8	249.8	248.2	247.2
5°	250.8	249.8	250.8	248.8	250.8	248.8	247.7	244.6	244.1	244.1	246.2
7.5°	253.9	254.9	250.3	250.3	245.7	246.7	244.1	244.6	243.6	242.1	241.0
10°	258.5	262.7	258.0	256.5	251.3	247.2	241.0	237.9	237.9	235.9	237.9
12.5°	271.4	269.9	267.3	262.1	256.0	247.7	232.8	217.9	205.5	196.2	200.9
15°	281.7	281.2	277.6	267.8	259.6	234.3	196.7	158.1	137.5	128.2	126.7
17.5°	297.7	296.1	290.0	277.1	249.8	194.2	134.9	102.5	82.4	77.8	76.2
20°	312.6	312.1	298.7	282.2	225.1	141.6	88.1	67.5	61.8	62.3	61.3
22.5°	328.6	326.0	310.0	276.0	179.2	94.2	62.8	60.3	58.2	57.7	58.7
25°	346.6	337.3	321.4	262.1	131.8	64.9	59.2	57.2	55.1	54.6	54.6
27.5°	353.8	347.6	326.5	228.7	83.4	56.7	55.6	53.0	50.5	48.9	48.4
30°	370.3	360.0	331.7	179.7	59.2	52.0	50.5	47.4	43.8	41.2	41.2
32.5°	386.8	374.4	332.2	125.7	49.4	46.9	44.3	40.2	35.5	33.0	33.5
35°	407.4	390.4	326.5	81.4	44.3	41.2	36.1	31.4	27.3	25.2	25.2
37.5°	442.4	426.4	303.3	53.6	40.2	35.0	29.9	24.7	21.1	19.6	19.6
40°	486.7	466.1	271.4	42.2	35.5	29.9	23.7	19.1	17.0	15.5	15.5
42.5°	539.7	514.0	224.0	37.6	31.4	24.7	18.5	14.9	12.9	12.9	12.4
45°	592.8	550.6	175.6	34.5	27.8	20.6	14.4	11.8	10.8	10.3	10.3
47.5°	668.5	594.8	125.7	31.4	24.2	16.0	11.8	9.8	8.8	8.2	8.8
50°	741.1	636.6	89.1	28.3	20.1	12.9	9.8	8.8	7.7	7.2	7.2
52.5°	805.0	665.4	62.3	24.7	17.0	10.8	8.8	7.7	7.2	6.7	6.7
55°	840.0	655.6	42.7	21.1	13.9	9.3	7.7	6.7	6.2	5.7	5.7
57.5°	876.0	628.3	32.4	17.5	11.3	8.8	7.2	6.2	5.7	5.2	5.2
60°	906.4	608.2	25.2	13.9	9.3	7.2	6.2	5.2	4.6	4.1	3.6
62.5°	908.0	568.1	18.5	10.3	7.2	6.2	5.2	4.1	2.6	2.1	1.5
65°	914.2	525.8	13.4	7.7	5.2	4.6	3.6	2.1	1.0	0.0	0.0
67.5°	892.5	475.9	10.8	5.7	3.6	2.6	1.5	0.5	0.0	0.0	0.0
70°	804.5	401.7	8.2	4.1	2.6	1.5	0.5	0.0	0.0	0.0	0.0
72.5°	575.8	261.1	5.7	3.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	307.0	111.2	4.1	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	96.3	28.3	2.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.1	7.7	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.5	0.5	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)