

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: LUMARK

Report Number: P290533

Luminaire Tested: **AXCS1A-W-GRF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-095-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: AXCS1A-W-GRF  
Description: 1A AXCENT SMALL LED WALLPACK WITH 3000K CCT AND 80 CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1443.7 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

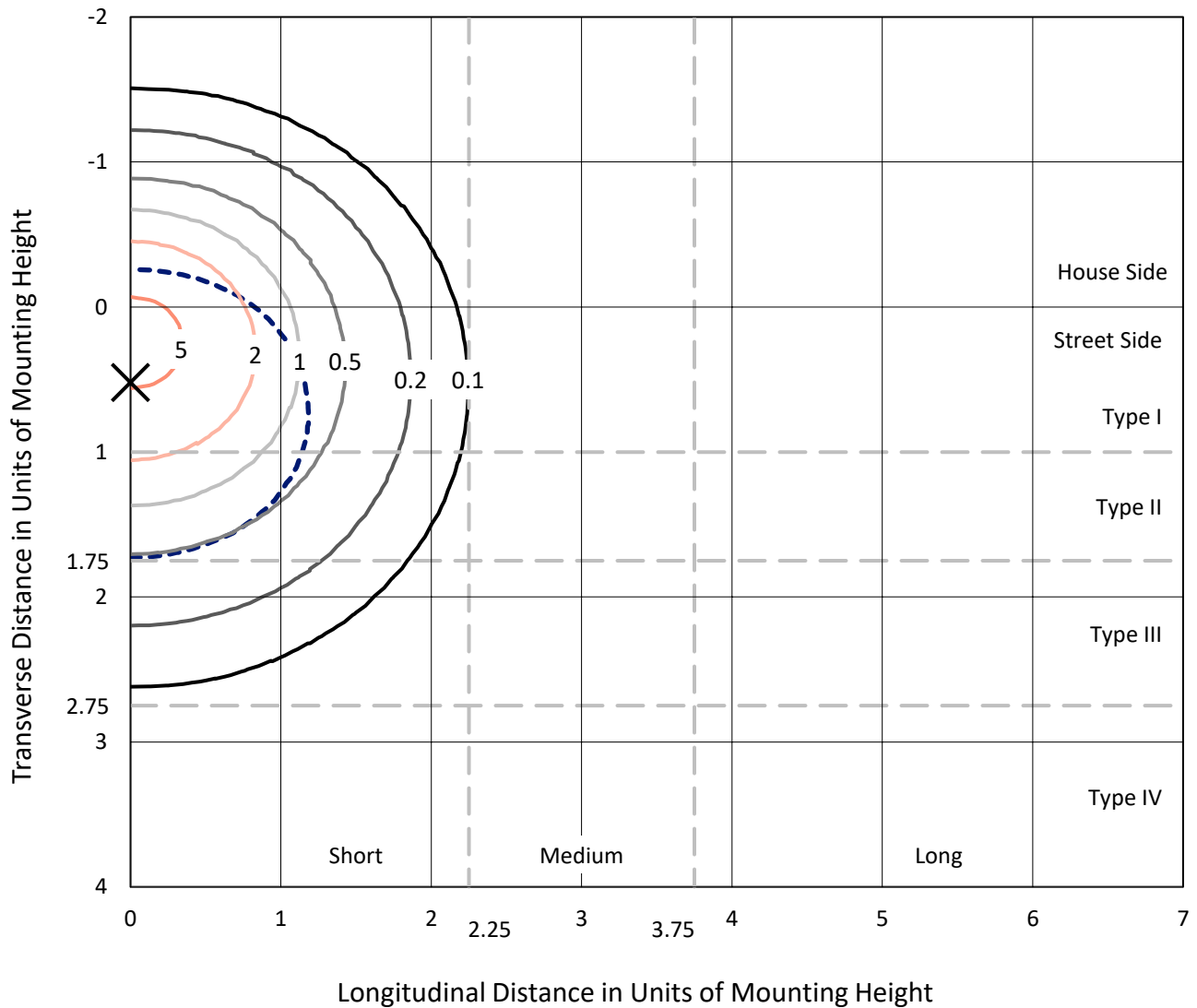
Input Watts (W): 13.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

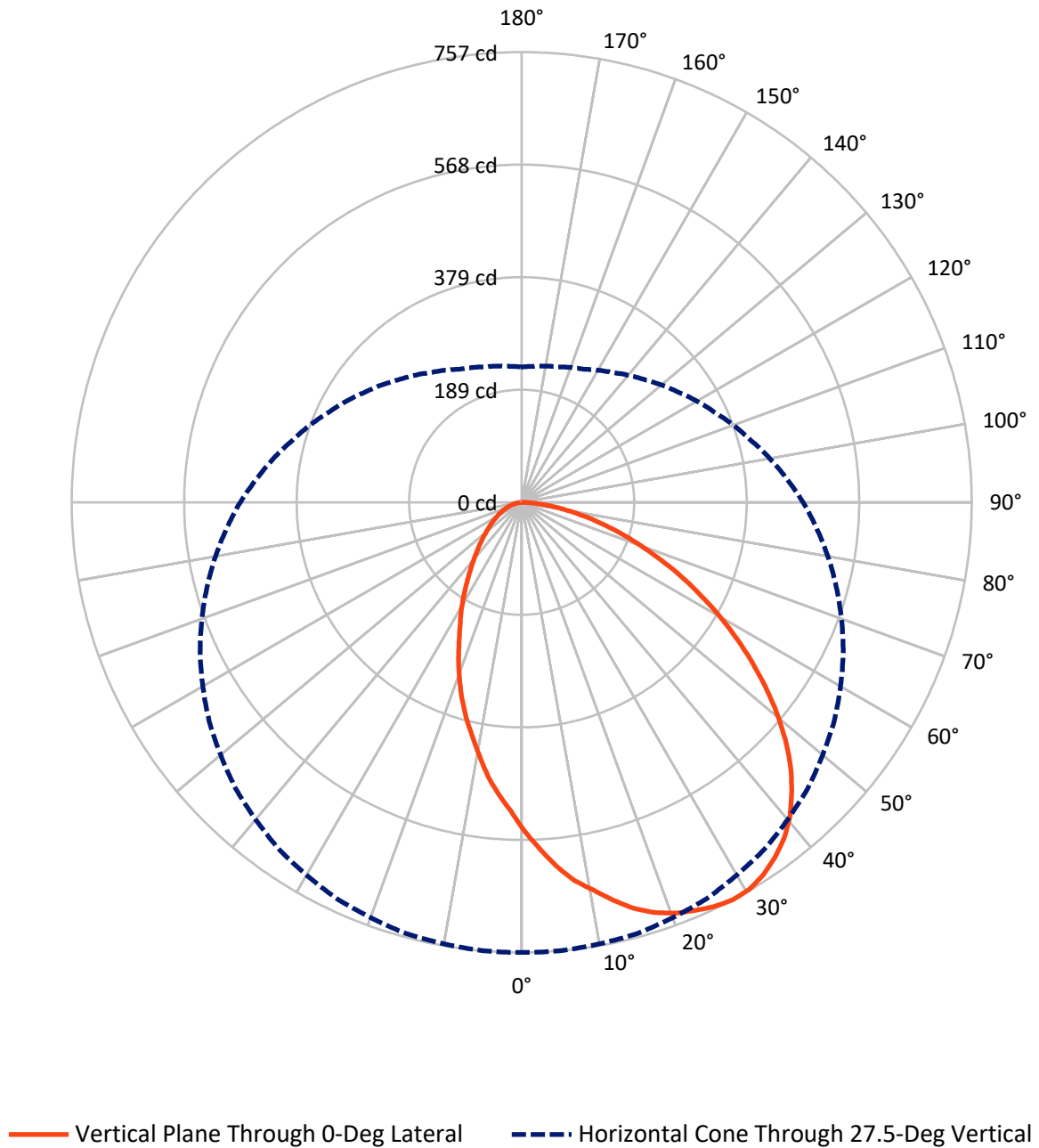
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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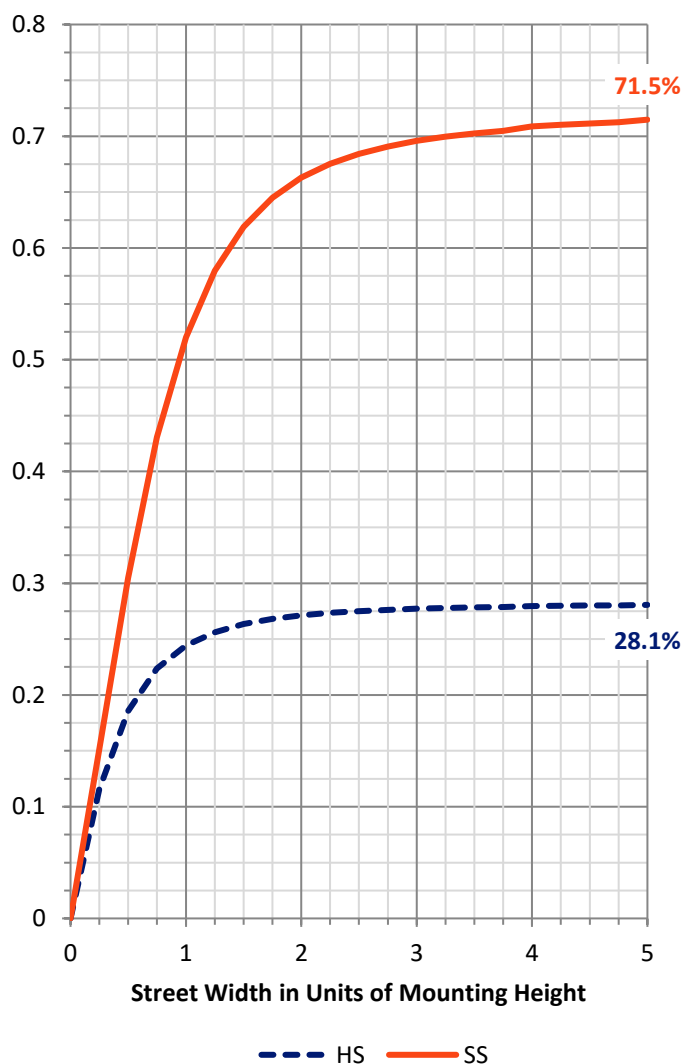
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	408.5	0.0	408.5
	% Fixture	28.3	0.0	28.3
<b>Street Side</b>	Lumens	1035.2	0.0	1035.2
	% Fixture	71.7	0.0	71.7
<b>Total</b>	Lumens	1443.7	0.0	1443.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.5	3.6
10°-20°	151.3	10.5
20°-30°	228.8	15.8
30°-40°	271.3	18.8
40°-50°	269.3	18.7
50°-60°	224.0	15.5
60°-70°	153.1	10.6
70°-80°	77.4	5.4
80°-90°	16.1	1.1
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°	1443.7	100.0
0°-180°	1443.7	100.0

**Coefficient of Utilization**

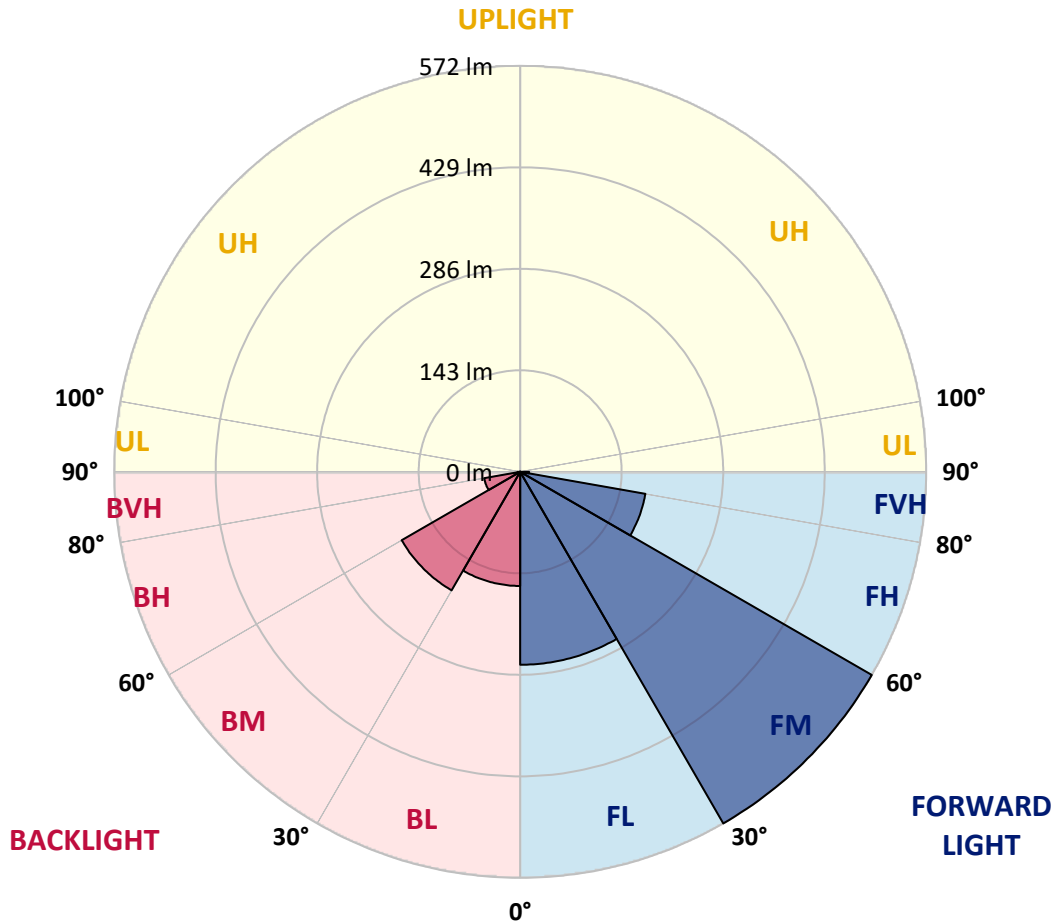


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.7	18.8			
FM (30°-60°)	571.9	39.6			
FH (60°-80°)	179.1	12.4			G0/660
FVH (80°-90°)	12.5	0.9			G1/100
BL (0°-30°)	160.8	11.1	B1/500		
BM (30°-60°)	192.7	13.4	B0/220		
BH (60°-80°)	51.4	3.6	B0/110		G0/110
BVH (80°-90°)	3.6	0.2			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	583.6	581.6	578.5	577.5	574.4	571.4	568.3	564.2	560.1	556.1	553.0
5°	615.2	612.2	608.1	604.0	599.9	593.8	585.6	577.5	568.3	559.1	554.0
7.5°	642.8	639.7	634.6	629.5	621.4	613.2	600.9	587.7	573.4	560.1	552.0
10°	663.2	661.1	656.0	648.9	638.7	626.5	611.2	592.8	574.4	555.0	545.9
12.5°	686.7	683.6	678.5	669.3	656.0	640.7	621.4	599.9	576.5	552.0	539.7
15°	709.1	707.1	700.9	690.7	676.5	657.1	633.6	607.1	578.5	549.9	534.6
17.5°	725.4	724.4	719.3	707.1	690.7	667.3	640.7	610.1	577.5	543.8	526.5
20°	737.7	737.7	731.5	718.3	698.9	674.4	643.8	609.1	572.4	534.6	514.2
22.5°	745.8	745.8	739.7	725.4	704.0	677.5	643.8	605.0	564.2	522.4	499.9
25°	753.0	752.0	746.8	731.5	709.1	679.5	643.8	602.0	557.1	510.1	486.7
27.5°	757.1	757.1	750.9	735.6	712.2	680.5	641.8	596.9	547.9	497.9	473.4
30°	755.0	754.0	747.9	732.6	708.1	675.4	633.6	585.6	534.6	481.6	456.1
32.5°	746.8	744.8	738.7	724.4	698.9	665.2	622.4	572.4	519.3	463.2	435.7
35°	733.6	733.6	726.4	712.2	687.7	653.0	607.1	557.1	501.0	443.8	416.3
37.5°	717.3	716.2	709.1	695.8	671.3	636.7	590.7	538.7	481.6	422.4	395.9
40°	694.8	693.8	686.7	673.4	648.9	615.2	569.3	517.3	459.1	400.0	372.4
42.5°	666.2	666.2	659.1	646.9	623.4	590.7	545.9	492.8	435.7	376.5	350.0
45°	634.6	633.6	626.5	615.2	592.8	560.1	517.3	465.3	409.1	352.0	325.5
47.5°	596.9	595.8	589.7	580.5	559.1	529.5	486.7	436.7	381.6	326.5	301.0
50°	556.1	555.0	548.9	540.8	521.4	492.8	452.0	405.1	353.0	300.0	276.5
52.5°	512.2	512.2	507.1	498.9	482.6	454.0	416.3	372.4	323.4	273.4	248.9
55°	467.3	467.3	463.2	456.1	440.8	416.3	381.6	339.8	293.8	244.9	225.5
57.5°	421.4	421.4	418.3	412.2	397.9	375.5	344.9	306.1	263.2	221.4	203.0
60°	376.5	376.5	373.4	368.3	356.1	334.7	306.1	273.4	233.6	195.9	179.6
62.5°	331.6	332.6	329.6	325.5	315.3	295.9	271.4	238.7	206.1	172.4	158.1
65°	288.7	289.8	287.7	282.6	274.5	256.1	234.7	209.2	179.6	150.0	137.7
67.5°	244.9	245.9	246.9	240.8	233.6	219.4	202.0	178.6	154.1	129.6	118.4
70°	206.1	207.1	207.1	203.0	196.9	184.7	168.3	150.0	129.6	108.2	100.0
72.5°	168.3	169.4	170.4	167.3	161.2	151.0	138.8	123.5	106.1	88.8	81.6
75°	133.7	135.7	134.7	131.6	127.5	119.4	110.2	96.9	83.7	70.4	64.3
77.5°	101.0	102.0	102.0	100.0	96.9	91.8	83.7	73.5	63.3	54.1	49.0
80°	71.4	71.4	72.4	71.4	68.4	63.3	58.2	52.0	44.9	38.8	34.7
82.5°	44.9	45.9	45.9	44.9	42.9	40.8	35.7	31.6	27.5	24.5	21.4
85°	22.4	23.5	23.5	22.4	22.4	20.4	18.4	15.3	13.3	12.2	10.2
87.5°	7.1	7.1	6.1	7.1	7.1	6.1	5.1	4.1	4.1	3.1	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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	549.9	543.8	538.7	532.6	528.5	524.4	522.4	519.3	519.3	519.3
5°	547.9	537.7	527.5	517.3	509.1	502.0	497.9	493.8	491.8	492.8
7.5°	542.8	527.5	513.2	498.9	487.7	477.5	470.4	465.3	462.2	464.2
10°	534.6	514.2	494.8	477.5	462.2	449.9	440.8	434.6	430.6	431.6
12.5°	526.5	502.0	477.5	458.1	438.7	423.4	412.2	406.1	401.0	401.0
15°	519.3	488.7	462.2	437.7	416.3	398.9	385.7	378.5	373.4	373.4
17.5°	509.1	474.4	442.8	416.3	391.8	372.4	357.1	348.9	343.8	343.8
20°	494.8	456.1	422.4	392.8	365.3	344.9	327.5	319.3	313.2	313.2
22.5°	479.5	437.7	400.0	367.3	338.7	316.3	298.9	289.8	283.6	283.6
25°	464.2	419.3	378.5	344.9	315.3	291.8	272.4	261.2	254.1	253.0
27.5°	447.9	400.0	358.1	322.4	291.8	266.3	246.9	235.7	229.6	227.5
30°	428.5	378.5	335.7	297.9	265.3	240.8	222.4	211.2	205.1	205.1
32.5°	409.1	357.1	313.2	275.5	240.8	218.3	200.0	188.8	182.6	182.6
35°	387.7	335.7	290.8	251.0	219.4	196.9	179.6	168.3	162.2	162.2
37.5°	366.3	315.3	268.3	230.6	201.0	177.5	160.2	150.0	144.9	143.9
40°	343.8	292.8	245.9	210.2	181.6	159.2	143.9	133.7	128.6	127.5
42.5°	321.4	270.4	225.5	190.8	163.2	142.8	128.6	118.4	114.3	113.3
45°	297.9	247.9	206.1	173.4	146.9	128.6	114.3	106.1	102.0	101.0
47.5°	275.5	226.5	187.7	157.1	132.6	115.3	102.0	93.9	89.8	89.8
50°	247.9	206.1	169.4	141.8	119.4	103.0	90.8	83.7	80.6	79.6
52.5°	225.5	186.7	153.0	127.5	107.1	91.8	81.6	74.5	71.4	71.4
55°	205.1	168.3	137.7	114.3	94.9	82.6	72.4	67.3	63.3	63.3
57.5°	182.6	150.0	123.5	102.0	85.7	73.5	65.3	59.2	56.1	56.1
60°	163.2	133.7	109.2	90.8	75.5	64.3	57.1	53.1	50.0	50.0
62.5°	143.9	117.3	95.9	79.6	66.3	57.1	50.0	45.9	43.9	43.9
65°	124.5	102.0	83.7	69.4	58.2	50.0	43.9	39.8	38.8	37.8
67.5°	107.1	88.8	72.4	60.2	50.0	42.9	37.8	34.7	32.6	32.6
70°	89.8	74.5	61.2	51.0	42.9	36.7	32.6	29.6	28.6	27.5
72.5°	74.5	61.2	50.0	41.8	34.7	30.6	26.5	24.5	23.5	23.5
75°	59.2	49.0	39.8	33.7	28.6	23.5	21.4	19.4	18.4	18.4
77.5°	44.9	36.7	30.6	25.5	21.4	18.4	16.3	15.3	14.3	13.3
80°	31.6	25.5	21.4	18.4	15.3	13.3	11.2	10.2	10.2	10.2
82.5°	19.4	16.3	13.3	11.2	9.2	8.2	7.1	6.1	6.1	6.1
85°	10.2	8.2	6.1	5.1	4.1	4.1	3.1	3.1	3.1	3.1
87.5°	3.1	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)