

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: P#

Luminaire Tested: **AXCS1A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-024-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: AXCS1A  
Description: 1A AXCENT SMALL LED WALLPACK WITH 4000K CCT AND 70 CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1806 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B1 - U0 - G0

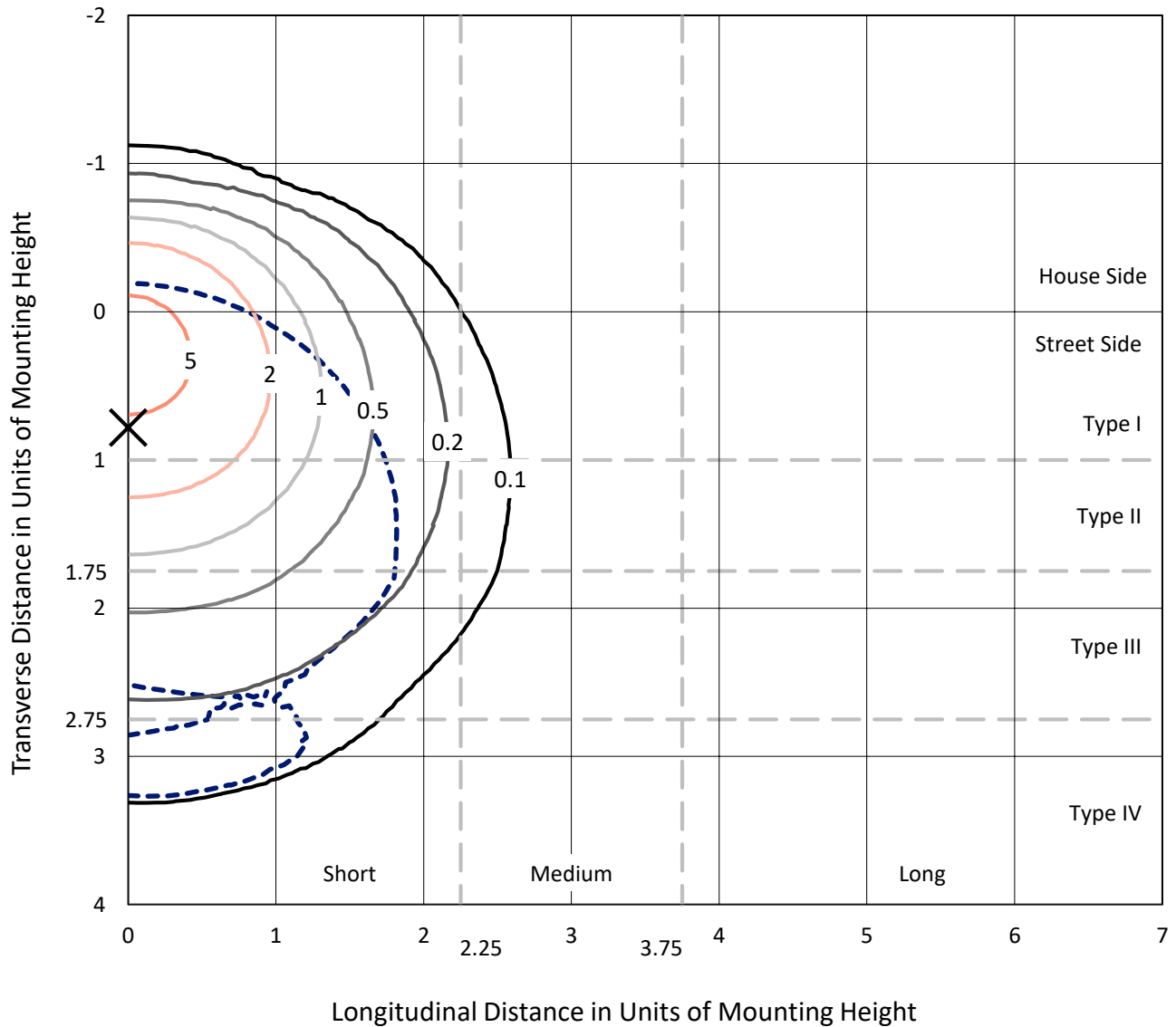
Input Watts (W): 13.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

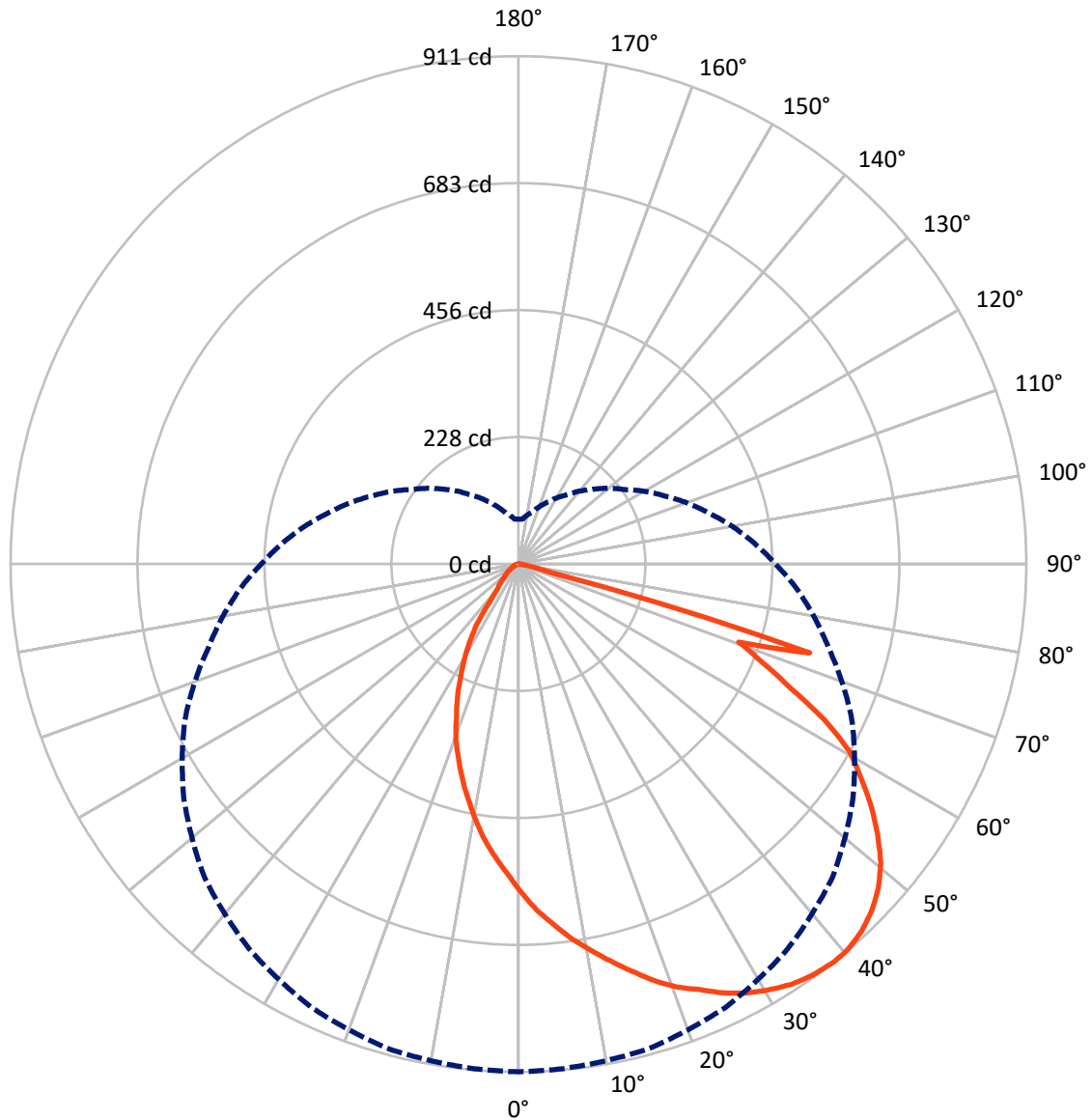
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 38-Deg Vertical

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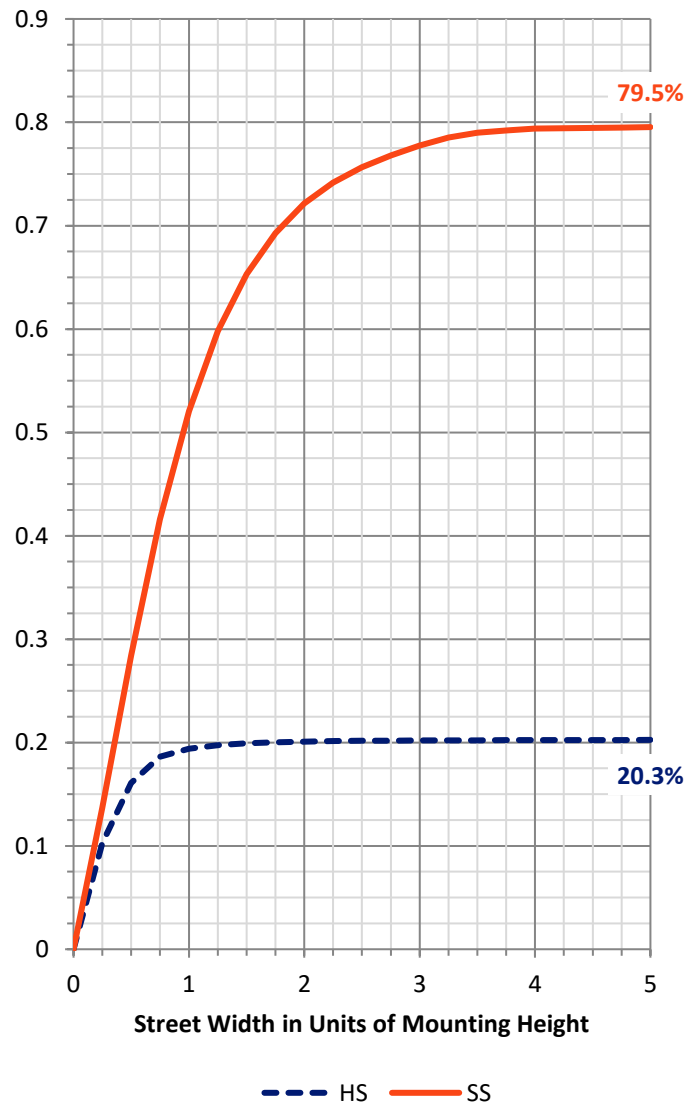
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	369.1	0.0	369.1
	% Fixture	20.4	0.0	20.4
<b>Street Side</b>	Lumens	1436.9	0.0	1436.9
	% Fixture	79.6	0.0	79.6
<b>Total</b>	Lumens	1806.0	0.0	1806.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.9	3.1
10°-20°	162.1	9.0
20°-30°	252.4	14.0
30°-40°	314.9	17.4
40°-50°	339.0	18.8
50°-60°	319.3	17.7
60°-70°	244.7	13.5
70°-80°	112.1	6.2
80°-90°	5.6	0.3
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°	1806.0	100.0
0°-180°	1806.0	100.0



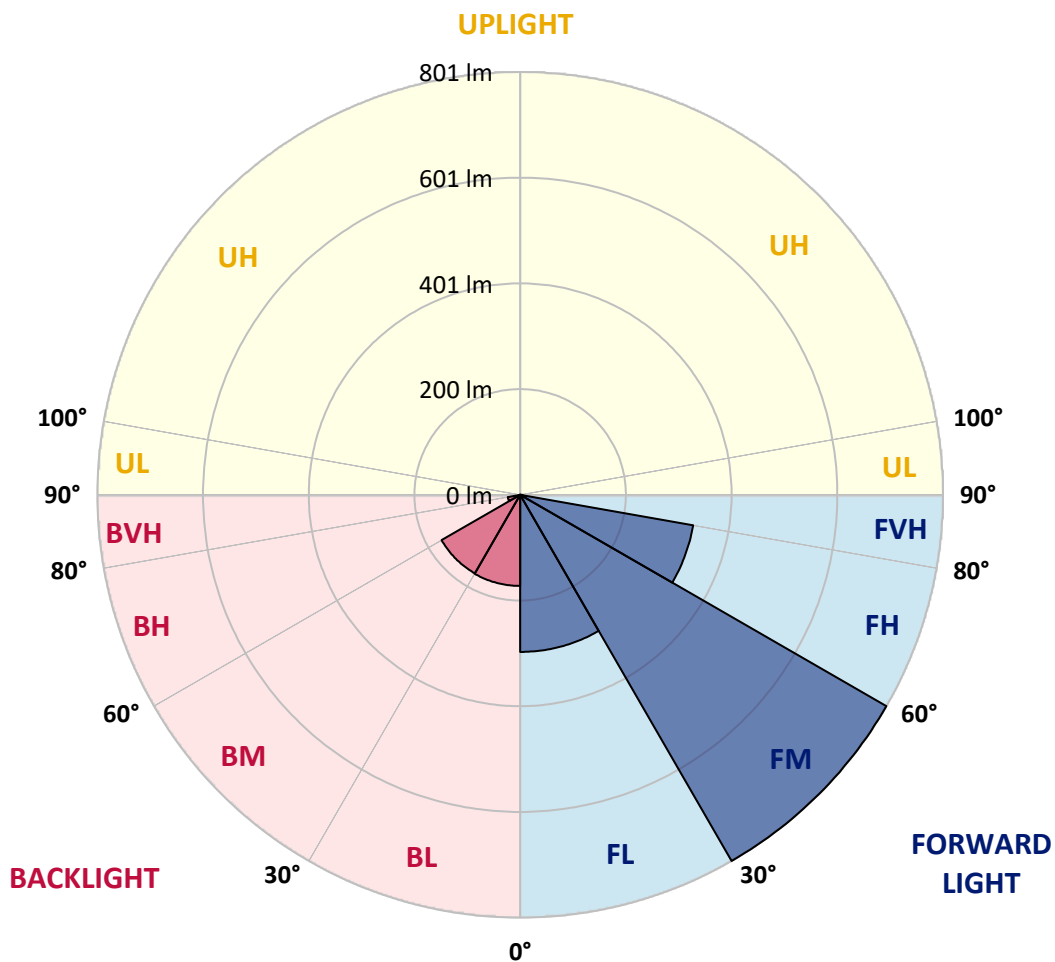
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.7	16.5			
FM	(30°-60°)	801.3	44.4			
FH	(60°-80°)	333.0	18.4			G0/660
FVH	(80°-90°)	4.9	0.3			G0/10
BL	(0°-30°)	172.7	9.6	B1/500		
BM	(30°-60°)	171.9	9.5	B0/220		
BH	(60°-80°)	23.8	1.3	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G0**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9
2.5°	621.4	618.6	615.7	615.7	612.9	608.7	605.9	601.6	595.3	592.5	590.3
5°	648.9	646.8	643.9	639.7	634.8	629.1	620.0	612.2	601.6	593.9	588.9
7.5°	677.8	675.0	672.9	666.5	656.6	647.5	634.8	622.1	606.6	593.9	585.4
10°	703.9	701.8	699.0	689.8	678.5	664.4	648.2	630.5	610.1	592.5	581.2
12.5°	730.7	729.3	722.9	713.1	697.6	681.3	660.9	637.6	612.2	589.6	575.5
15°	757.5	754.7	749.0	737.0	718.7	697.6	672.2	643.9	614.3	585.4	569.9
17.5°	785.7	782.2	775.1	762.4	739.9	713.8	684.2	651.0	615.0	581.9	562.1
20°	810.4	807.6	799.8	783.6	759.6	730.0	694.0	655.2	613.6	576.2	555.1
22.5°	829.4	828.7	821.7	803.3	778.0	745.5	702.5	658.1	610.8	569.2	545.9
25°	852.7	852.0	840.7	823.1	794.9	758.2	712.4	660.9	608.7	561.4	534.6
27.5°	871.8	869.6	859.8	839.3	809.7	770.9	720.8	663.7	605.9	552.3	523.3
30°	886.6	885.9	875.3	854.8	823.1	780.8	728.6	665.1	600.9	543.1	511.4
32.5°	899.3	897.2	887.3	866.8	832.3	787.8	732.1	664.4	594.6	529.7	497.9
35°	907.0	904.9	895.7	873.9	838.6	792.8	733.5	663.0	586.8	517.0	481.7
37.5°	910.6	909.1	900.0	878.1	842.1	795.6	732.8	660.9	577.6	504.3	464.8
38°	911.3	909.1	900.7	878.1	842.8	796.3	732.8	660.2	575.5	500.8	461.3
40°	909.9	907.7	900.7	879.5	844.3	796.3	730.7	654.5	566.4	488.1	447.2
42.5°	902.1	902.1	895.0	876.0	845.0	792.8	725.1	646.1	553.0	467.6	426.0
45°	888.7	886.6	883.0	866.8	839.3	785.0	715.9	632.7	533.2	445.1	401.3
47.5°	868.9	868.2	865.4	854.1	825.9	773.7	704.6	614.3	517.0	423.2	378.8
50°	842.8	845.7	842.8	835.8	806.2	760.3	684.9	593.9	496.5	398.5	352.7
52.5°	806.9	808.3	810.4	811.1	785.7	738.5	660.2	572.0	470.4	368.9	324.4
55°	768.1	767.4	770.2	771.6	754.7	708.8	632.0	542.4	439.4	338.5	292.7
57.5°	725.1	727.9	731.4	730.7	713.8	668.6	601.6	507.1	409.1	304.7	260.3
60°	682.7	682.7	692.6	695.4	669.3	631.3	561.4	472.6	371.0	270.8	227.8
62.5°	617.1	622.8	641.8	653.1	622.1	577.6	521.2	429.5	332.9	237.7	195.4
65°	536.7	538.9	561.4	588.9	576.2	527.6	469.7	387.2	291.3	200.3	162.2
67.5°	472.6	479.6	495.8	504.3	512.8	478.9	415.4	340.7	248.3	166.5	134.0
70°	419.0	426.7	447.9	451.4	429.5	420.4	361.8	290.6	207.4	129.8	103.7
72.5°	546.6	562.8	533.2	433.8	369.6	351.2	319.5	233.5	165.7	97.3	73.4
75°	60.7	59.2	99.4	303.3	383.7	268.7	248.3	187.6	124.1	69.1	50.1
77.5°	24.0	23.3	25.4	29.6	45.1	208.1	168.6	131.2	79.0	47.3	33.1
80°	14.1	14.8	15.5	16.2	16.9	19.7	85.3	81.1	48.7	24.0	16.2
82.5°	8.5	8.5	9.2	9.9	9.9	10.6	11.3	24.7	14.8	7.8	5.6
85°	4.9	4.9	4.9	4.9	4.9	4.9	5.6	4.9	3.5	2.8	2.1
87.5°	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.4	0.7	0.7
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9
2.5°	586.8	580.5	575.5	570.6	567.1	564.2	560.7	558.6	558.6	556.5
5°	582.6	571.3	560.7	553.0	545.2	537.4	532.5	530.4	529.0	527.6
7.5°	576.9	560.7	545.2	532.5	521.2	513.5	504.3	501.5	497.9	497.9
10°	570.6	549.4	528.3	512.1	498.7	486.7	477.5	470.4	467.6	465.5
12.5°	562.8	536.7	512.8	490.9	472.6	457.7	445.1	437.3	433.1	431.7
15°	553.7	524.8	495.1	470.4	449.3	428.8	416.8	405.6	399.9	399.9
17.5°	544.5	509.9	476.8	448.6	422.5	399.9	385.1	373.8	366.8	366.8
20°	533.9	495.1	456.3	425.3	395.7	372.4	352.0	339.3	332.9	335.0
22.5°	521.2	477.5	436.6	399.2	368.2	340.0	320.2	306.8	300.5	296.9
25°	508.5	460.6	414.7	373.8	340.7	310.3	286.4	273.0	263.8	263.8
27.5°	495.8	442.9	392.2	349.8	311.0	279.3	254.6	238.4	232.0	228.5
30°	481.0	424.6	371.0	322.3	280.7	246.9	223.6	206.7	196.8	197.5
32.5°	464.8	404.1	345.6	295.5	251.1	217.9	191.8	173.5	162.9	165.0
35°	445.8	382.3	320.2	267.3	222.2	186.9	159.4	143.2	131.9	131.9
37.5°	428.8	358.3	294.1	239.1	195.4	156.6	129.1	102.3	88.9	86.8
38°	425.3	353.4	289.2	232.8	189.7	151.6	122.0	96.6	81.1	80.4
40°	409.1	332.9	268.7	211.6	165.7	127.7	89.6	67.0	60.7	60.0
42.5°	384.4	306.8	241.2	185.5	138.9	90.3	60.0	53.6	52.2	52.2
45°	359.0	278.6	213.0	157.3	107.9	59.2	50.8	46.6	43.7	43.7
47.5°	335.7	255.3	186.9	132.6	71.2	48.7	42.3	38.1	36.0	36.0
50°	306.8	227.8	160.1	105.8	50.1	41.6	35.3	31.7	29.6	29.6
52.5°	277.9	201.0	135.4	69.8	41.6	34.6	29.6	26.8	25.4	25.4
55°	250.4	173.5	110.0	45.8	35.3	28.9	24.7	22.6	21.9	21.9
57.5°	220.1	145.3	84.6	36.7	28.9	24.0	20.5	19.0	18.3	17.6
60°	191.1	119.2	57.1	30.3	24.0	19.7	17.6	15.5	14.8	14.1
62.5°	159.4	95.9	34.6	24.7	19.7	16.9	14.8	12.7	12.0	12.0
65°	131.2	72.6	26.8	19.7	16.2	14.1	12.0	10.6	9.9	9.9
67.5°	104.4	53.6	20.5	16.2	13.4	11.3	9.9	8.5	8.5	8.5
70°	79.7	31.0	15.5	12.7	10.6	9.2	7.8	7.1	7.1	7.1
72.5°	56.4	16.9	12.0	9.9	8.5	7.1	6.3	5.6	4.9	4.9
75°	37.4	11.3	8.5	7.1	6.3	5.6	4.9	4.2	4.2	4.2
77.5°	21.9	7.1	6.3	4.9	4.2	3.5	3.5	2.8	2.8	2.8
80°	10.6	4.9	4.2	3.5	2.8	2.8	2.1	2.1	1.4	1.4
82.5°	4.2	2.8	2.1	2.1	1.4	1.4	1.4	0.7	0.7	0.7
85°	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	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

(END OF REPORT)