

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: P290524

Luminaire Tested: **AXCS2A-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290524  
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: AXCS2A-W  
Description: 2A AXCENT SMALL LED WALLPACK WITH 3000K CCT AND 80 CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2164.2 lumens  
Efficiency: N/A  
Efficacy: 104.6 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

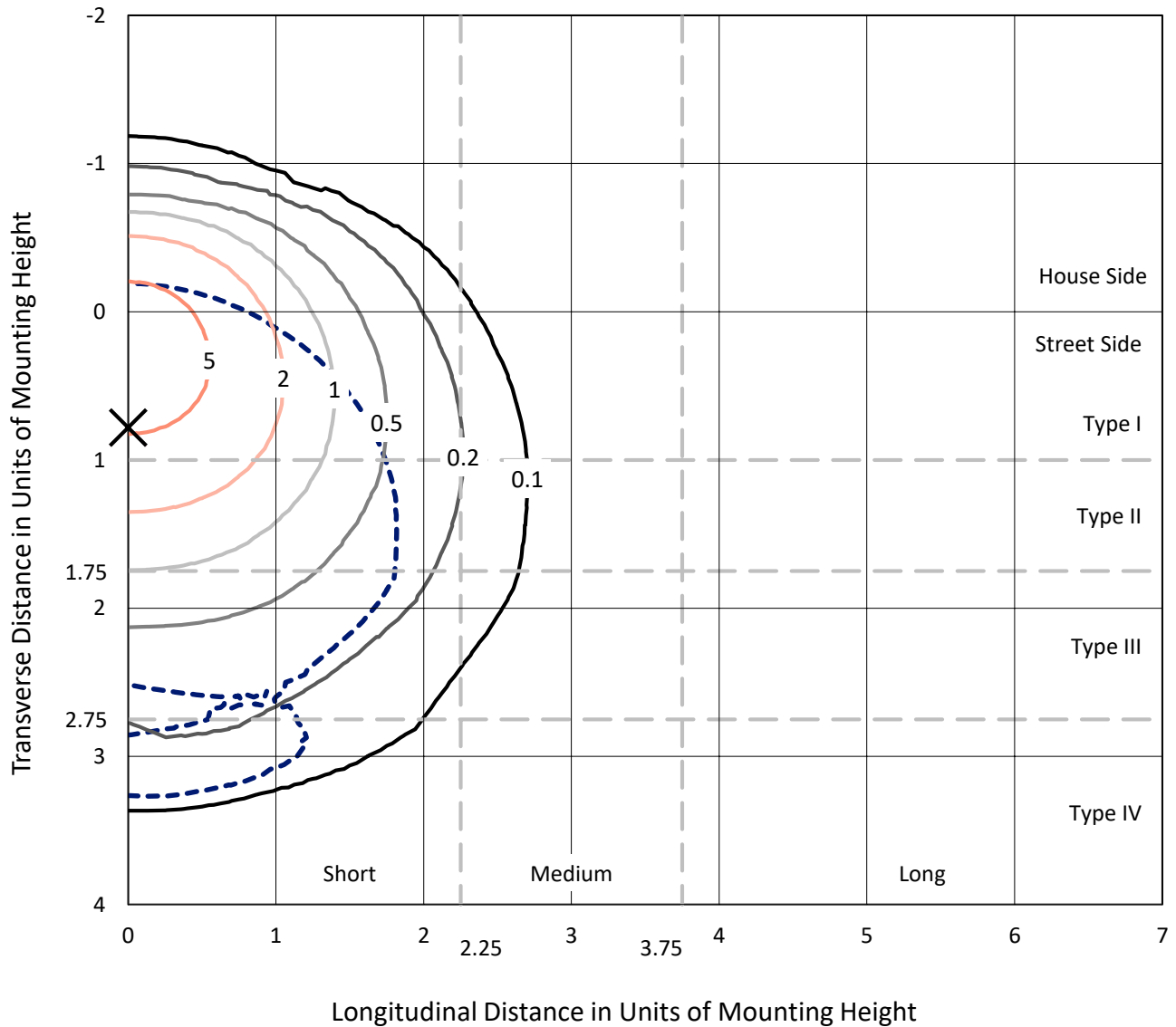
Input Watts (W): 20.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

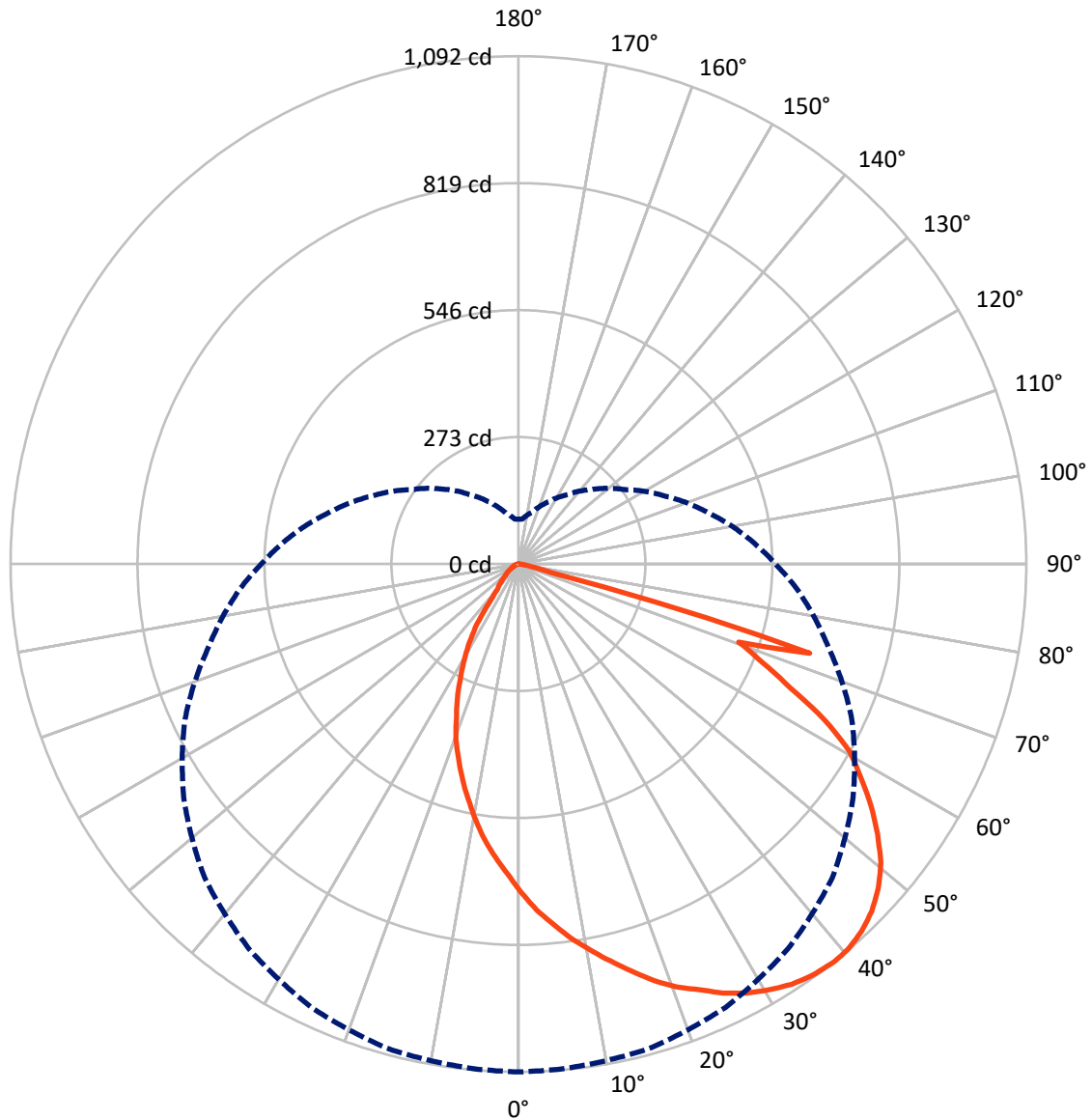
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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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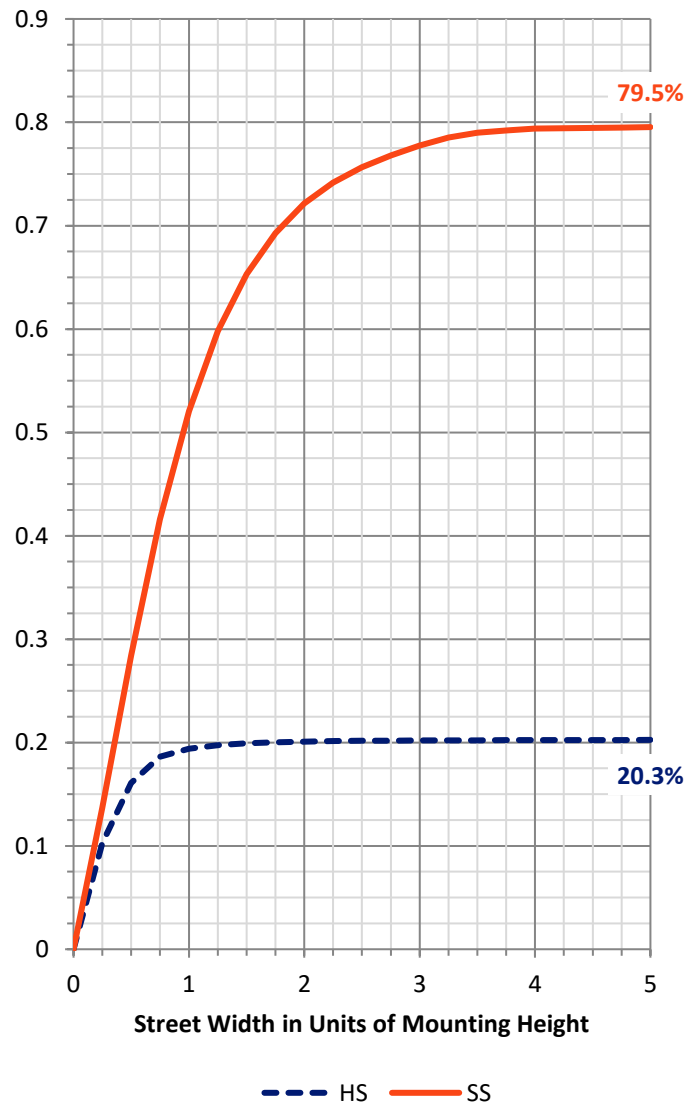
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	442.3	0.0	442.3
	% Fixture	20.4	0.0	20.4
<b>Street Side</b>	Lumens	1721.9	0.0	1721.9
	% Fixture	79.6	0.0	79.6
<b>Total</b>	Lumens	2164.2	0.0	2164.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.0	3.1
10°-20°	194.3	9.0
20°-30°	302.5	14.0
30°-40°	377.3	17.4
40°-50°	406.3	18.8
50°-60°	382.6	17.7
60°-70°	293.2	13.5
70°-80°	134.4	6.2
80°-90°	6.7	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°	2164.2	100.0
0°-180°	2164.2	100.0

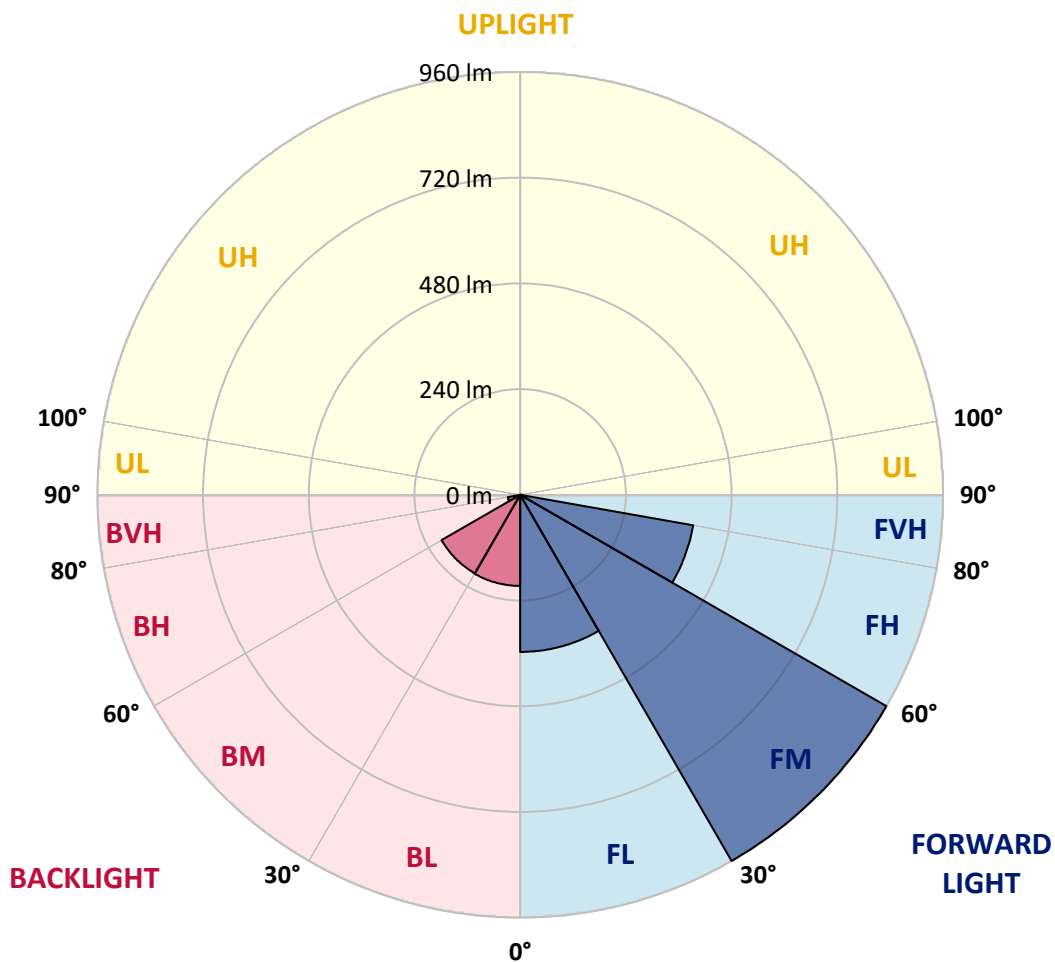


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.8	16.5			
FM	(30°-60°)	960.2	44.4			
FH	(60°-80°)	399.0	18.4			G0/660
FVH	(80°-90°)	5.9	0.3			G0/10
BL	(0°-30°)	206.9	9.6	B1/500		
BM	(30°-60°)	206.0	9.5	B0/220		
BH	(60°-80°)	28.6	1.3	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8
2.5°	744.6	741.3	737.9	737.9	734.5	729.4	726.0	721.0	713.4	710.0	707.4
5°	777.6	775.1	771.7	766.6	760.7	753.9	742.9	733.6	721.0	711.7	705.8
7.5°	812.2	808.9	806.3	798.7	786.9	775.9	760.7	745.5	726.9	711.7	701.5
10°	843.5	841.0	837.6	826.6	813.1	796.2	776.7	755.6	731.1	710.0	696.5
12.5°	875.6	873.9	866.3	854.5	835.9	816.5	792.0	764.1	733.6	706.6	689.7
15°	907.8	904.4	897.6	883.2	861.3	835.9	805.5	771.7	736.2	701.5	682.9
17.5°	941.6	937.3	928.9	913.7	886.6	855.4	819.9	780.1	737.0	697.3	673.6
20°	971.1	967.8	958.5	939.0	910.3	874.8	831.7	785.2	735.3	690.5	665.2
22.5°	994.0	993.1	984.7	962.7	932.3	893.4	841.8	788.6	732.0	682.1	654.2
25°	1021.9	1021.0	1007.5	986.4	952.6	908.6	853.7	792.0	729.4	672.8	640.7
27.5°	1044.7	1042.1	1030.3	1005.8	970.3	923.8	863.8	795.3	726.0	661.8	627.1
30°	1062.4	1061.6	1048.9	1024.4	986.4	935.6	873.1	797.0	720.1	650.8	612.8
32.5°	1077.6	1075.1	1063.3	1038.8	997.3	944.1	877.3	796.2	712.5	634.8	596.7
35°	1086.9	1084.4	1073.4	1047.2	1005.0	950.0	879.0	794.5	703.2	619.5	577.3
37.5°	1091.2	1089.5	1078.5	1052.3	1009.2	953.4	878.2	792.0	692.2	604.3	557.0
38°	1092.0	1089.5	1079.3	1052.3	1010.0	954.2	878.2	791.1	689.7	600.1	552.8
40°	1090.3	1087.8	1079.3	1054.0	1011.7	954.2	875.6	784.4	678.7	584.9	535.9
42.5°	1081.0	1081.0	1072.6	1049.8	1012.6	950.0	868.9	774.2	662.6	560.4	510.5
45°	1065.0	1062.4	1058.2	1038.8	1005.8	940.7	857.9	758.2	639.0	533.3	480.9
47.5°	1041.3	1040.5	1037.1	1023.6	989.7	927.2	844.4	736.2	619.5	507.1	453.9
50°	1010.0	1013.4	1010.0	1001.6	966.1	911.1	820.7	711.7	595.0	477.5	422.6
52.5°	966.9	968.6	971.1	972.0	941.6	884.9	791.1	685.5	563.8	442.0	388.8
55°	920.4	919.6	923.0	924.7	904.4	849.4	757.3	650.0	526.6	405.7	350.8
57.5°	868.9	872.3	876.5	875.6	855.4	801.3	721.0	607.7	490.2	365.1	311.9
60°	818.2	818.2	830.0	833.4	802.1	756.5	672.8	566.3	444.6	324.6	273.0
62.5°	739.6	746.3	769.1	782.7	745.5	692.2	624.6	514.7	398.9	284.8	234.1
65°	643.2	645.7	672.8	705.8	690.5	632.2	562.9	464.0	349.1	240.0	194.4
67.5°	566.3	574.7	594.2	604.3	614.5	573.9	497.8	408.2	297.5	199.5	160.6
70°	502.1	511.4	536.7	540.9	514.7	503.7	433.6	348.2	248.5	155.5	124.2
72.5°	655.0	674.5	639.0	519.8	442.9	420.9	382.9	279.8	198.6	116.6	87.9
75°	72.7	71.0	119.2	363.4	459.8	322.0	297.5	224.8	148.8	82.8	60.0
77.5°	28.7	27.9	30.4	35.5	54.1	249.3	202.0	157.2	94.7	56.6	39.7
80°	16.9	17.7	18.6	19.4	20.3	23.7	102.3	97.2	58.3	28.7	19.4
82.5°	10.1	10.1	11.0	11.8	11.8	12.7	13.5	29.6	17.7	9.3	6.8
85°	5.9	5.9	5.9	5.9	5.9	5.9	6.8	5.9	4.2	3.4	2.5
87.5°	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.7	0.8	0.8
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8
2.5°	703.2	695.6	689.7	683.8	679.5	676.2	671.9	669.4	669.4	666.9
5°	698.1	684.6	671.9	662.6	653.3	644.1	638.1	635.6	633.9	632.2
7.5°	691.4	671.9	653.3	638.1	624.6	615.3	604.3	600.9	596.7	596.7
10°	683.8	658.4	633.1	613.6	597.6	583.2	572.2	563.8	560.4	557.8
12.5°	674.5	643.2	614.5	588.3	566.3	548.5	533.3	524.0	519.0	517.3
15°	663.5	628.8	593.3	563.8	538.4	513.9	499.5	486.0	479.2	479.2
17.5°	652.5	611.1	571.4	537.6	506.3	479.2	461.5	448.0	439.5	439.5
20°	639.8	593.3	546.9	509.7	474.2	446.3	421.8	406.5	398.9	401.5
22.5°	624.6	572.2	523.2	478.4	441.2	407.4	383.7	367.7	360.1	355.8
25°	609.4	551.9	497.0	448.0	408.2	371.9	343.2	327.1	316.1	316.1
27.5°	594.2	530.8	469.9	419.2	372.7	334.7	305.1	285.7	278.1	273.8
30°	576.4	508.8	444.6	386.3	336.4	295.8	267.9	247.6	235.8	236.7
32.5°	557.0	484.3	414.2	354.1	300.9	261.2	229.9	207.9	195.2	197.8
35°	534.2	458.1	383.7	320.3	266.2	224.0	191.0	171.6	158.1	158.1
37.5°	513.9	429.4	352.5	286.5	234.1	187.6	154.7	122.6	106.5	104.0
38°	509.7	423.5	346.5	278.9	227.4	181.7	146.2	115.8	97.2	96.4
40°	490.2	398.9	322.0	253.6	198.6	153.0	107.3	80.3	72.7	71.8
42.5°	460.6	367.7	289.1	222.3	166.5	108.2	71.8	64.2	62.5	62.5
45°	430.2	333.9	255.3	188.5	129.3	71.0	60.9	55.8	52.4	52.4
47.5°	402.3	306.0	224.0	158.9	85.4	58.3	50.7	45.6	43.1	43.1
50°	367.7	273.0	191.9	126.8	60.0	49.9	42.3	38.0	35.5	35.5
52.5°	333.0	240.9	162.3	83.7	49.9	41.4	35.5	32.1	30.4	30.4
55°	300.0	207.9	131.9	54.9	42.3	34.7	29.6	27.0	26.2	26.2
57.5°	263.7	174.1	101.4	44.0	34.7	28.7	24.5	22.8	22.0	21.1
60°	229.1	142.8	68.5	36.3	28.7	23.7	21.1	18.6	17.7	16.9
62.5°	191.0	114.9	41.4	29.6	23.7	20.3	17.7	15.2	14.4	14.4
65°	157.2	87.1	32.1	23.7	19.4	16.9	14.4	12.7	11.8	11.8
67.5°	125.1	64.2	24.5	19.4	16.1	13.5	11.8	10.1	10.1	10.1
70°	95.5	37.2	18.6	15.2	12.7	11.0	9.3	8.5	8.5	8.5
72.5°	67.6	20.3	14.4	11.8	10.1	8.5	7.6	6.8	5.9	5.9
75°	44.8	13.5	10.1	8.5	7.6	6.8	5.9	5.1	5.1	5.1
77.5°	26.2	8.5	7.6	5.9	5.1	4.2	4.2	3.4	3.4	3.4
80°	12.7	5.9	5.1	4.2	3.4	3.4	2.5	2.5	1.7	1.7
82.5°	5.1	3.4	2.5	2.5	1.7	1.7	1.7	0.8	0.8	0.8
85°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)