

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: P290534

Luminaire Tested: **AXCS1A-GRF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290534
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-GRF
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: 1708.4 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

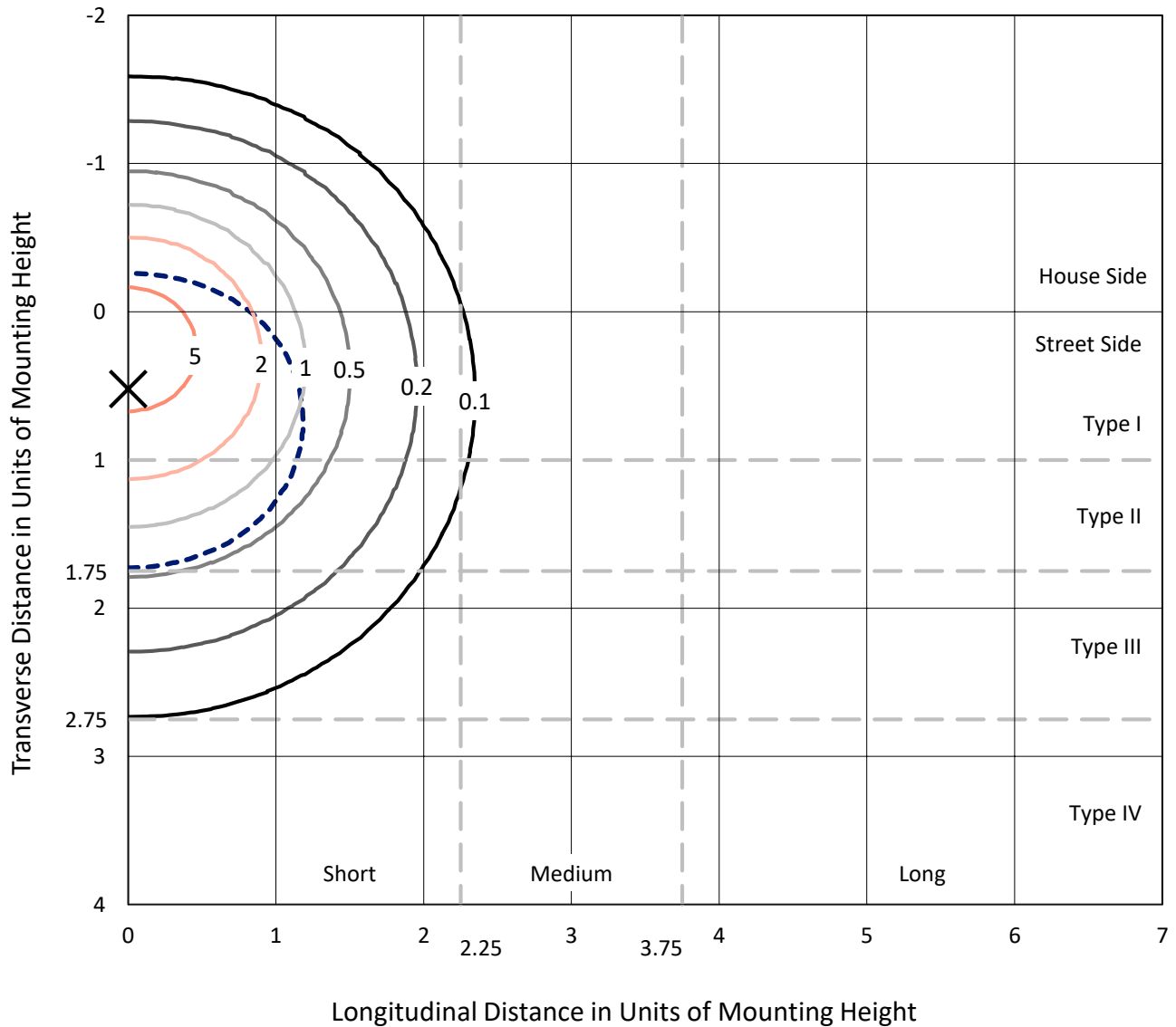
Input Watts (W): 13.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

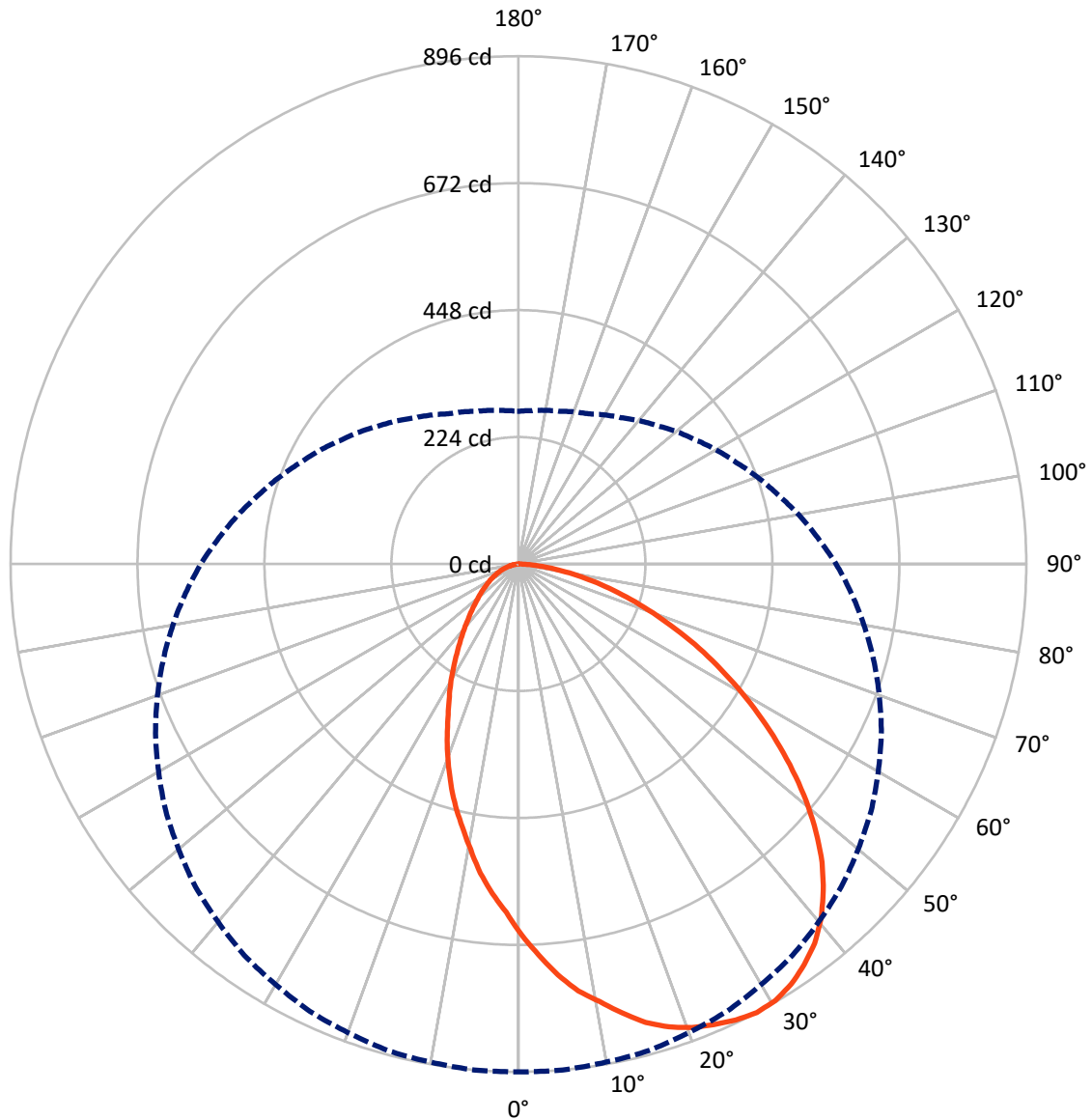
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 27.5-Deg Vertical

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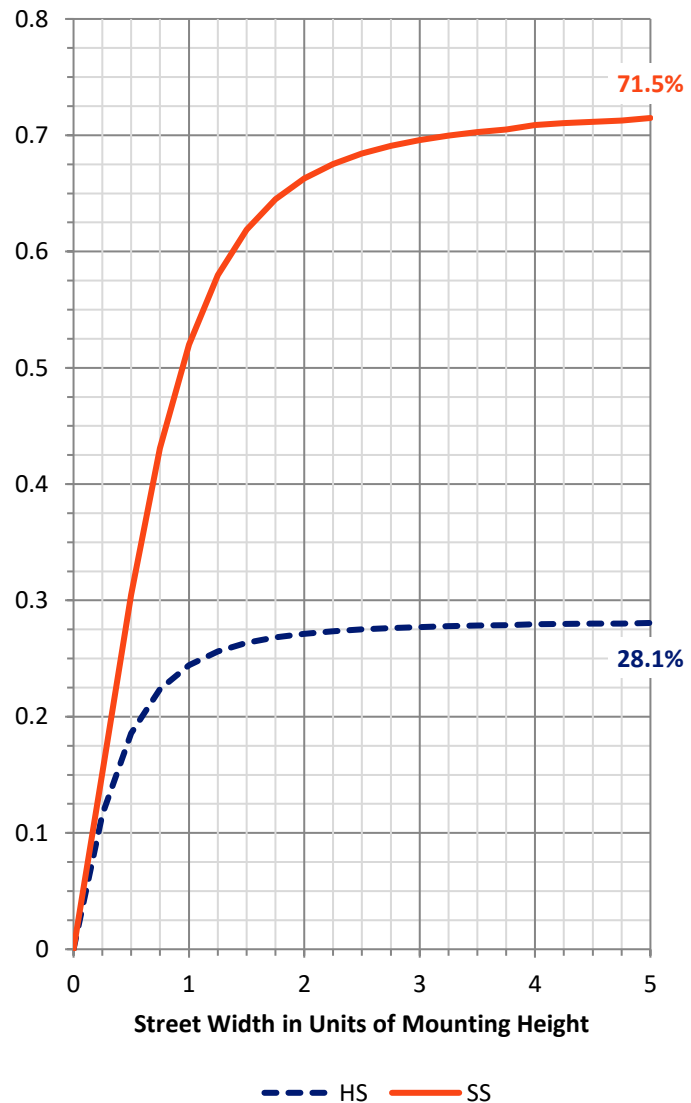
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	483.3	0.0	483.3
	% Fixture	28.3	0.0	28.3
Street Side	Lumens	1225.0	0.0	1225.0
	% Fixture	71.7	0.0	71.7
Total	Lumens	1708.4	0.0	1708.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	3.6
10°-20°	179.0	10.5
20°-30°	270.7	15.8
30°-40°	321.0	18.8
40°-50°	318.7	18.7
50°-60°	265.0	15.5
60°-70°	181.2	10.6
70°-80°	91.6	5.4
80°-90°	19.0	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°	1708.4	100.0
0°-180°	1708.4	100.0

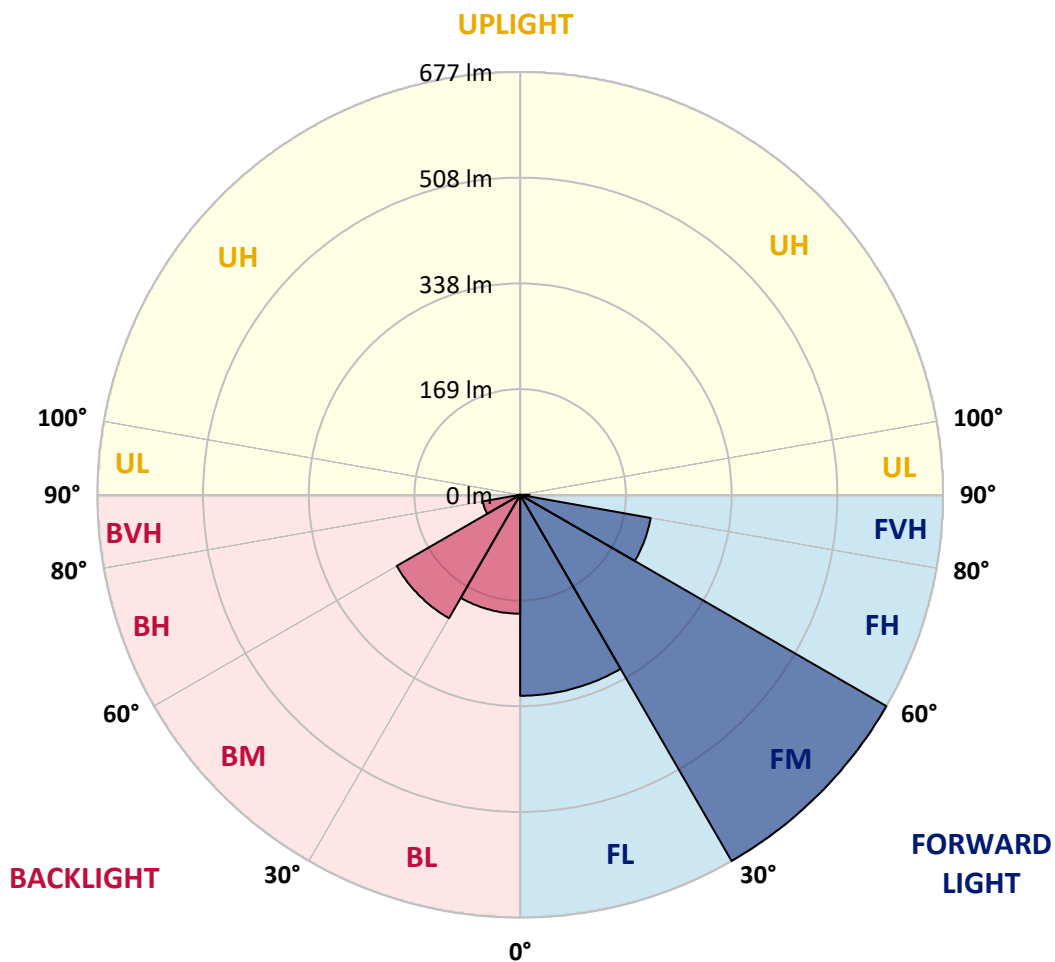


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	321.6	18.8			
FM	(30°-60°)	676.7	39.6			
FH	(60°-80°)	211.9	12.4			G0/660
FVH	(80°-90°)	14.8	0.9			G1/100
BL	(0°-30°)	190.2	11.1	B1/500		
BM	(30°-60°)	228.1	13.4	B1/1000		
BH	(60°-80°)	60.8	3.6	B0/110		G0/110
BVH	(80°-90°)	4.2	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°	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4
2.5°	690.6	688.2	684.6	683.4	679.7	676.1	672.5	667.7	662.8	658.0	654.4
5°	728.0	724.4	719.6	714.7	709.9	702.7	693.0	683.4	672.5	661.6	655.6
7.5°	760.6	757.0	751.0	744.9	735.3	725.6	711.1	695.4	678.5	662.8	653.2
10°	784.8	782.4	776.3	767.9	755.8	741.3	723.2	701.5	679.7	656.8	645.9
12.5°	812.5	808.9	802.9	792.0	776.3	758.2	735.3	709.9	682.1	653.2	638.7
15°	839.1	836.7	829.4	817.4	800.5	777.5	749.8	718.4	684.6	650.8	632.6
17.5°	858.4	857.2	851.2	836.7	817.4	789.6	758.2	722.0	683.4	643.5	623.0
20°	872.9	872.9	865.7	850.0	827.0	798.1	761.8	720.8	677.3	632.6	608.5
22.5°	882.6	882.6	875.3	858.4	833.1	801.7	761.8	716.0	667.7	618.2	591.6
25°	891.0	889.8	883.8	865.7	839.1	804.1	761.8	712.3	659.2	603.7	575.9
27.5°	895.8	895.8	888.6	870.5	842.7	805.3	759.4	706.3	648.3	589.2	560.2
30°	893.4	892.2	885.0	866.9	837.9	799.3	749.8	693.0	632.6	569.9	539.7
32.5°	883.8	881.4	874.1	857.2	827.0	787.2	736.5	677.3	614.5	548.1	515.5
35°	868.1	868.1	859.6	842.7	813.7	772.7	718.4	659.2	592.8	525.2	492.6
37.5°	848.8	847.6	839.1	823.4	794.4	753.4	699.0	637.5	569.9	499.8	468.4
40°	822.2	821.0	812.5	796.8	767.9	728.0	673.7	612.1	543.3	473.3	440.7
42.5°	788.4	788.4	779.9	765.5	737.7	699.0	645.9	583.1	515.5	445.5	414.1
45°	751.0	749.8	741.3	728.0	701.5	662.8	612.1	550.5	484.1	416.5	385.1
47.5°	706.3	705.1	697.8	687.0	661.6	626.6	575.9	516.7	451.5	386.3	356.2
50°	658.0	656.8	649.5	639.9	617.0	583.1	534.9	479.3	417.7	355.0	327.2
52.5°	606.1	606.1	600.0	590.4	571.1	537.3	492.6	440.7	382.7	323.6	294.6
55°	553.0	553.0	548.1	539.7	521.6	492.6	451.5	402.0	347.7	289.8	266.8
57.5°	498.6	498.6	495.0	487.8	470.9	444.3	408.1	362.2	311.5	262.0	240.3
60°	445.5	445.5	441.9	435.8	421.4	396.0	362.2	323.6	276.5	231.8	212.5
62.5°	392.4	393.6	390.0	385.1	373.1	350.1	321.2	282.5	243.9	204.0	187.1
65°	341.7	342.9	340.5	334.4	324.8	303.0	277.7	247.5	212.5	177.5	163.0
67.5°	289.8	291.0	292.2	284.9	276.5	259.6	239.1	211.3	182.3	153.3	140.1
70°	243.9	245.1	245.1	240.3	233.0	218.5	199.2	177.5	153.3	128.0	118.3
72.5°	199.2	200.4	201.6	198.0	190.8	178.7	164.2	146.1	125.6	105.0	96.6
75°	158.2	160.6	159.4	155.7	150.9	141.3	130.4	114.7	99.0	83.3	76.1
77.5°	119.5	120.7	120.7	118.3	114.7	108.7	99.0	86.9	74.9	64.0	58.0
80°	84.5	84.5	85.7	84.5	80.9	74.9	68.8	61.6	53.1	45.9	41.0
82.5°	53.1	54.3	54.3	53.1	50.7	48.3	42.3	37.4	32.6	29.0	25.4
85°	26.6	27.8	27.8	26.6	26.6	24.1	21.7	18.1	15.7	14.5	12.1
87.5°	8.5	8.5	7.2	8.5	8.5	7.2	6.0	4.8	4.8	3.6	3.6
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4
2.5°	650.8	643.5	637.5	630.2	625.4	620.6	618.2	614.5	614.5	614.5
5°	648.3	636.3	624.2	612.1	602.5	594.0	589.2	584.4	581.9	583.1
7.5°	642.3	624.2	607.3	590.4	577.1	565.0	556.6	550.5	546.9	549.3
10°	632.6	608.5	585.6	565.0	546.9	532.4	521.6	514.3	509.5	510.7
12.5°	623.0	594.0	565.0	542.1	519.2	501.0	487.8	480.5	474.5	474.5
15°	614.5	578.3	546.9	517.9	492.6	472.1	456.4	447.9	441.9	441.9
17.5°	602.5	561.4	524.0	492.6	463.6	440.7	422.6	412.9	406.9	406.9
20°	585.6	539.7	499.8	464.8	432.2	408.1	387.6	377.9	370.7	370.7
22.5°	567.4	517.9	473.3	434.6	400.8	374.3	353.8	342.9	335.6	335.6
25°	549.3	496.2	447.9	408.1	373.1	345.3	322.4	309.1	300.6	299.4
27.5°	530.0	473.3	423.8	381.5	345.3	315.1	292.2	278.9	271.7	269.2
30°	507.1	447.9	397.2	352.5	313.9	284.9	263.2	249.9	242.7	242.7
32.5°	484.1	422.6	370.7	326.0	284.9	258.4	236.6	223.4	216.1	216.1
35°	458.8	397.2	344.1	297.0	259.6	233.0	212.5	199.2	192.0	192.0
37.5°	433.4	373.1	317.5	272.9	237.8	210.1	189.6	177.5	171.4	170.2
40°	406.9	346.5	291.0	248.7	214.9	188.3	170.2	158.2	152.1	150.9
42.5°	380.3	319.9	266.8	225.8	193.2	169.0	152.1	140.1	135.2	134.0
45°	352.5	293.4	243.9	205.2	173.9	152.1	135.2	125.6	120.7	119.5
47.5°	326.0	268.0	222.2	185.9	157.0	136.4	120.7	111.1	106.2	106.2
50°	293.4	243.9	200.4	167.8	141.3	121.9	107.5	99.0	95.4	94.2
52.5°	266.8	220.9	181.1	150.9	126.8	108.7	96.6	88.1	84.5	84.5
55°	242.7	199.2	163.0	135.2	112.3	97.8	85.7	79.7	74.9	74.9
57.5°	216.1	177.5	146.1	120.7	101.4	86.9	77.3	70.0	66.4	66.4
60°	193.2	158.2	129.2	107.5	89.3	76.1	67.6	62.8	59.2	59.2
62.5°	170.2	138.8	113.5	94.2	78.5	67.6	59.2	54.3	51.9	51.9
65°	147.3	120.7	99.0	82.1	68.8	59.2	51.9	47.1	45.9	44.7
67.5°	126.8	105.0	85.7	71.2	59.2	50.7	44.7	41.0	38.6	38.6
70°	106.2	88.1	72.4	60.4	50.7	43.5	38.6	35.0	33.8	32.6
72.5°	88.1	72.4	59.2	49.5	41.0	36.2	31.4	29.0	27.8	27.8
75°	70.0	58.0	47.1	39.8	33.8	27.8	25.4	22.9	21.7	21.7
77.5°	53.1	43.5	36.2	30.2	25.4	21.7	19.3	18.1	16.9	15.7
80°	37.4	30.2	25.4	21.7	18.1	15.7	13.3	12.1	12.1	12.1
82.5°	22.9	19.3	15.7	13.3	10.9	9.7	8.5	7.2	7.2	7.2
85°	12.1	9.7	7.2	6.0	4.8	4.8	3.6	3.6	3.6	3.6
87.5°	3.6	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)