

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-W**

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-W
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: 1526.2 lumens
Efficiency: N/A
Efficacy: 113.1 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

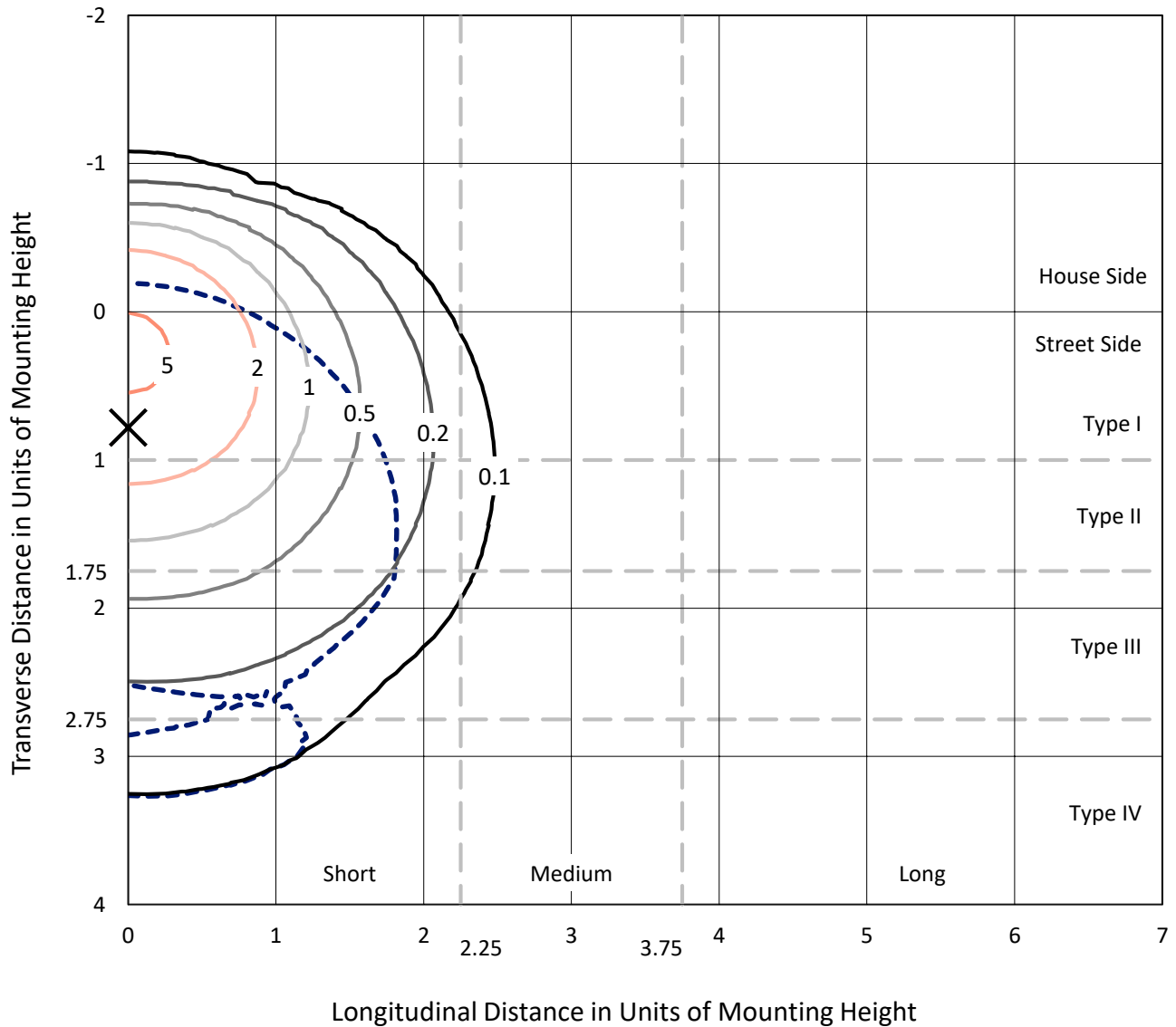
Input Watts (W): 13.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

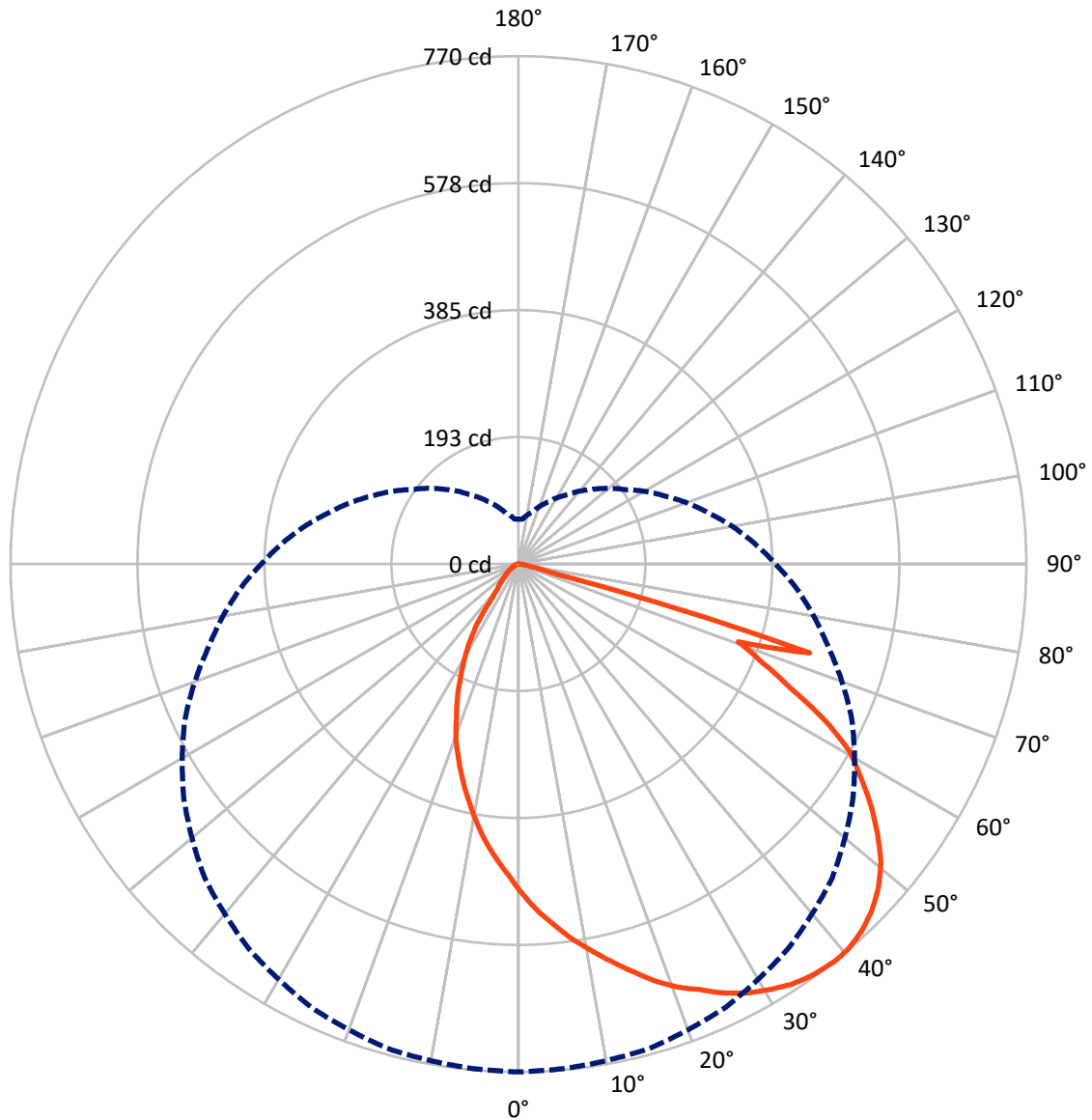
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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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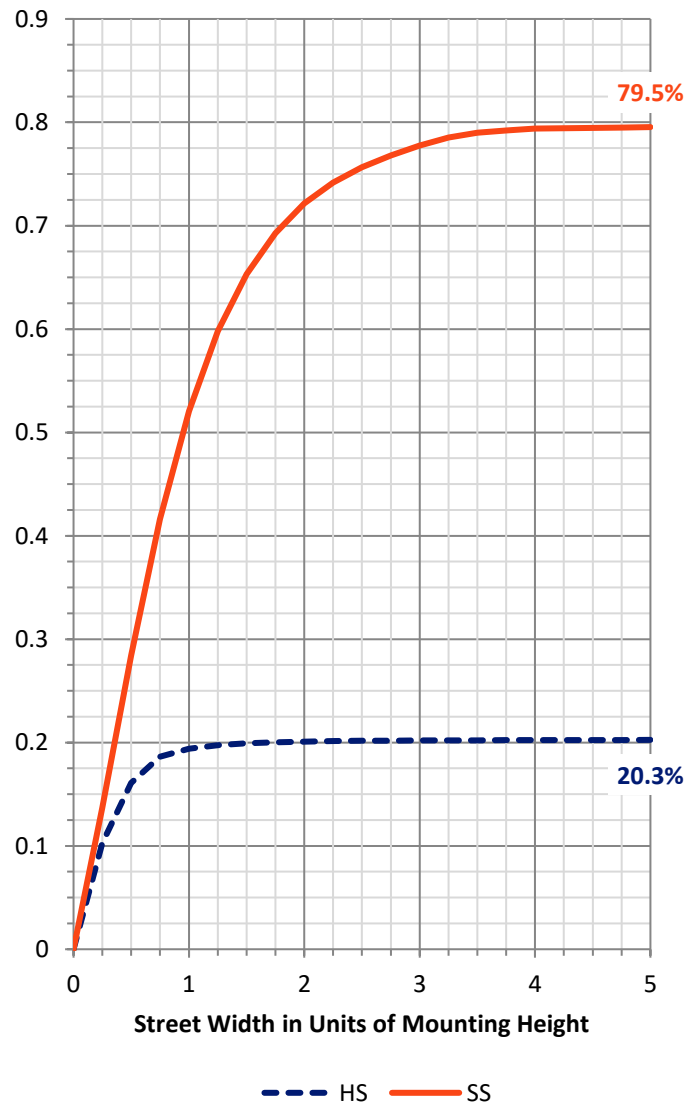
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	311.9	0.0	311.9
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	1214.3	0.0	1214.3
	% Fixture	79.6	0.0	79.6
Total	Lumens	1526.2	0.0	1526.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	3.1
10°-20°	137.0	9.0
20°-30°	213.3	14.0
30°-40°	266.1	17.4
40°-50°	286.5	18.8
50°-60°	269.8	17.7
60°-70°	206.8	13.5
70°-80°	94.8	6.2
80°-90°	4.7	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°	1526.2	100.0
0°-180°	1526.2	100.0

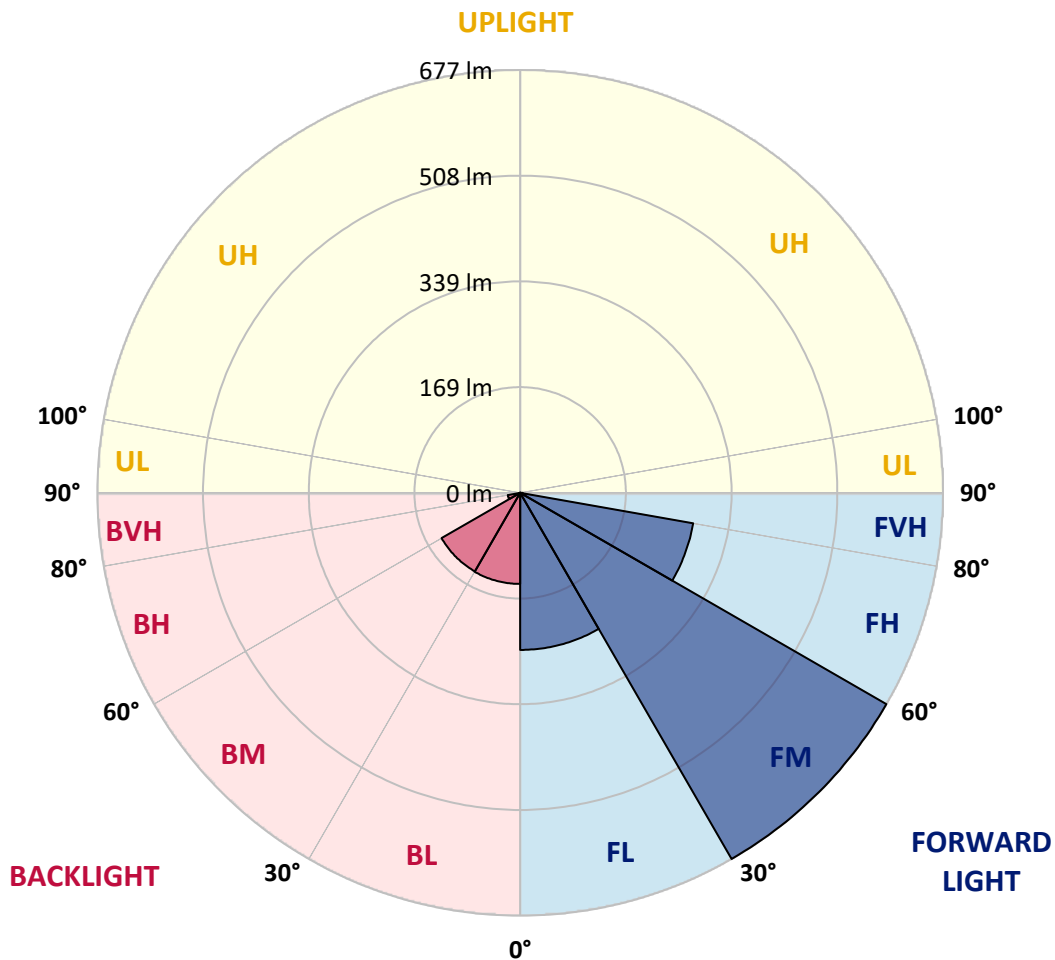


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.6	16.5			
FM	(30°-60°)	677.2	44.4			
FH	(60°-80°)	281.4	18.4			G0/660
FVH	(80°-90°)	4.1	0.3			G0/10
BL	(0°-30°)	145.9	9.6	B1/500		
BM	(30°-60°)	145.3	9.5	B0/220		
BH	(60°-80°)	20.1	1.3	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7
2.5°	525.1	522.7	520.3	520.3	518.0	514.4	512.0	508.4	503.1	500.7	498.9
5°	548.4	546.6	544.2	540.6	536.4	531.7	523.9	517.4	508.4	501.9	497.7
7.5°	572.8	570.4	568.6	563.3	554.9	547.2	536.4	525.7	512.6	501.9	494.7
10°	594.8	593.1	590.7	582.9	573.4	561.5	547.8	532.9	515.6	500.7	491.1
12.5°	617.5	616.3	610.9	602.6	589.5	575.8	558.5	538.8	517.4	498.3	486.4
15°	640.1	637.8	633.0	622.9	607.4	589.5	568.0	544.2	519.1	494.7	481.6
17.5°	664.0	661.0	655.0	644.3	625.2	603.2	578.2	550.1	519.7	491.7	475.0
20°	684.8	682.5	675.9	662.2	641.9	616.9	586.5	553.7	518.6	487.0	469.1
22.5°	700.9	700.3	694.4	678.9	657.4	630.0	593.7	556.1	516.2	481.0	461.3
25°	720.6	720.0	710.5	695.6	671.7	640.7	602.0	558.5	514.4	474.4	451.8
27.5°	736.7	734.9	726.6	709.3	684.3	651.5	609.1	560.9	512.0	466.7	442.3
30°	749.2	748.6	739.7	722.4	695.6	659.8	615.7	562.1	507.8	458.9	432.1
32.5°	759.9	758.2	749.8	732.5	703.3	665.8	618.7	561.5	502.5	447.6	420.8
35°	766.5	764.7	757.0	738.5	708.7	669.9	619.9	560.3	495.9	436.9	407.1
37.5°	769.5	768.3	760.5	742.1	711.7	672.3	619.3	558.5	488.2	426.2	392.8
38°	770.1	768.3	761.1	742.1	712.3	672.9	619.3	557.9	486.4	423.2	389.8
40°	768.9	767.1	761.1	743.3	713.5	672.9	617.5	553.1	478.6	412.5	377.9
42.5°	762.3	762.3	756.4	740.3	714.1	669.9	612.7	546.0	467.3	395.2	360.0
45°	751.0	749.2	746.2	732.5	709.3	663.4	605.0	534.6	450.6	376.1	339.1
47.5°	734.3	733.7	731.3	721.8	698.0	653.9	595.4	519.1	436.9	357.6	320.1
50°	712.3	714.6	712.3	706.3	681.3	642.5	578.8	501.9	419.6	336.8	298.0
52.5°	681.9	683.1	684.8	685.4	664.0	624.1	557.9	483.4	397.6	311.7	274.2
55°	649.1	648.5	650.9	652.1	637.8	599.0	534.0	458.4	371.3	286.1	247.4
57.5°	612.7	615.1	618.1	617.5	603.2	565.0	508.4	428.6	345.7	257.5	219.9
60°	577.0	577.0	585.3	587.7	565.6	533.5	474.4	399.3	313.5	228.9	192.5
62.5°	521.5	526.3	542.4	551.9	525.7	488.2	440.5	363.0	281.3	200.9	165.1
65°	453.6	455.4	474.4	497.7	487.0	445.8	397.0	327.2	246.2	169.3	137.1
67.5°	399.3	405.3	419.0	426.2	433.3	404.7	351.1	287.9	209.8	140.7	113.2
70°	354.0	360.6	378.5	381.5	363.0	355.2	305.8	245.6	175.2	109.7	87.6
72.5°	461.9	475.6	450.6	366.6	312.3	296.8	270.0	197.3	140.1	82.3	62.0
75°	51.3	50.1	84.0	256.3	324.2	227.1	209.8	158.5	104.9	58.4	42.3
77.5°	20.3	19.7	21.5	25.0	38.1	175.8	142.5	110.9	66.8	39.9	28.0
80°	11.9	12.5	13.1	13.7	14.3	16.7	72.1	68.5	41.1	20.3	13.7
82.5°	7.2	7.2	7.7	8.3	8.3	8.9	9.5	20.9	12.5	6.6	4.8
85°	4.2	4.2	4.2	4.2	4.2	4.2	4.8	4.2	3.0	2.4	1.8
87.5°	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.2	0.6	0.6
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°	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7
2.5°	495.9	490.5	486.4	482.2	479.2	476.8	473.8	472.1	472.1	470.3
5°	492.3	482.8	473.8	467.3	460.7	454.2	450.0	448.2	447.0	445.8
7.5°	487.6	473.8	460.7	450.0	440.5	433.9	426.2	423.8	420.8	420.8
10°	482.2	464.3	446.4	432.7	421.4	411.3	403.5	397.6	395.2	393.4
12.5°	475.6	453.6	433.3	414.8	399.3	386.8	376.1	369.5	366.0	364.8
15°	467.9	443.5	418.4	397.6	379.7	362.4	352.3	342.7	338.0	338.0
17.5°	460.1	430.9	402.9	379.1	357.0	338.0	325.4	315.9	309.9	309.9
20°	451.2	418.4	385.6	359.4	334.4	314.7	297.4	286.7	281.3	283.1
22.5°	440.5	403.5	368.9	337.4	311.1	287.3	270.6	259.3	253.9	250.9
25°	429.7	389.2	350.5	315.9	287.9	262.3	242.0	230.7	222.9	222.9
27.5°	419.0	374.3	331.4	295.6	262.9	236.0	215.2	201.5	196.1	193.1
30°	406.5	358.8	313.5	272.4	237.2	208.6	188.9	174.6	166.3	166.9
32.5°	392.8	341.5	292.1	249.7	212.2	184.2	162.1	146.6	137.7	139.5
35°	376.7	323.1	270.6	225.9	187.8	157.9	134.7	121.0	111.5	111.5
37.5°	362.4	302.8	248.5	202.1	165.1	132.3	109.1	86.4	75.1	73.3
38°	359.4	298.6	244.4	196.7	160.3	128.1	103.1	81.7	68.5	67.9
40°	345.7	281.3	227.1	178.8	140.1	107.9	75.7	56.6	51.3	50.7
42.5°	324.8	259.3	203.8	156.8	117.4	76.3	50.7	45.3	44.1	44.1
45°	303.4	235.4	180.0	132.9	91.2	50.1	42.9	39.3	37.0	37.0
47.5°	283.7	215.8	157.9	112.1	60.2	41.1	35.8	32.2	30.4	30.4
50°	259.3	192.5	135.3	89.4	42.3	35.2	29.8	26.8	25.0	25.0
52.5°	234.8	169.9	114.4	59.0	35.2	29.2	25.0	22.6	21.5	21.5
55°	211.6	146.6	93.0	38.7	29.8	24.4	20.9	19.1	18.5	18.5
57.5°	186.0	122.8	71.5	31.0	24.4	20.3	17.3	16.1	15.5	14.9
60°	161.5	100.7	48.3	25.6	20.3	16.7	14.9	13.1	12.5	11.9
62.5°	134.7	81.1	29.2	20.9	16.7	14.3	12.5	10.7	10.1	10.1
65°	110.9	61.4	22.6	16.7	13.7	11.9	10.1	8.9	8.3	8.3
67.5°	88.2	45.3	17.3	13.7	11.3	9.5	8.3	7.2	7.2	7.2
70°	67.4	26.2	13.1	10.7	8.9	7.7	6.6	6.0	6.0	6.0
72.5°	47.7	14.3	10.1	8.3	7.2	6.0	5.4	4.8	4.2	4.2
75°	31.6	9.5	7.2	6.0	5.4	4.8	4.2	3.6	3.6	3.6
77.5°	18.5	6.0	5.4	4.2	3.6	3.0	3.0	2.4	2.4	2.4
80°	8.9	4.2	3.6	3.0	2.4	2.4	1.8	1.8	1.2	1.2
82.5°	3.6	2.4	1.8	1.8	1.2	1.2	1.2	0.6	0.6	0.6
85°	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)