

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: P290536

Luminaire Tested: **AXCS2A-W-GRF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290536
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: AXCS2A-W-GRF
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: 2047.2 lumens
Efficiency: N/A
Efficacy: 98.9 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

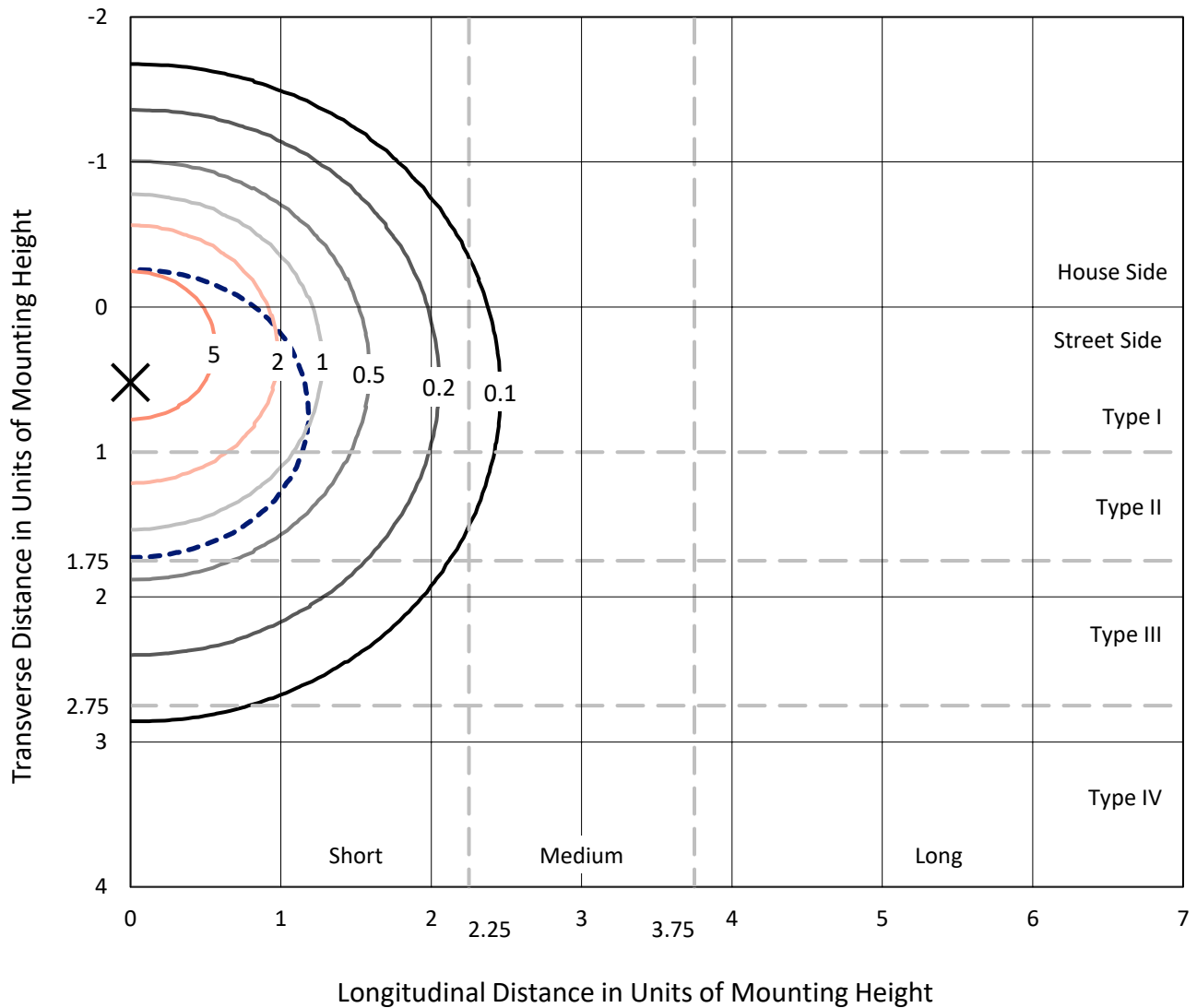
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

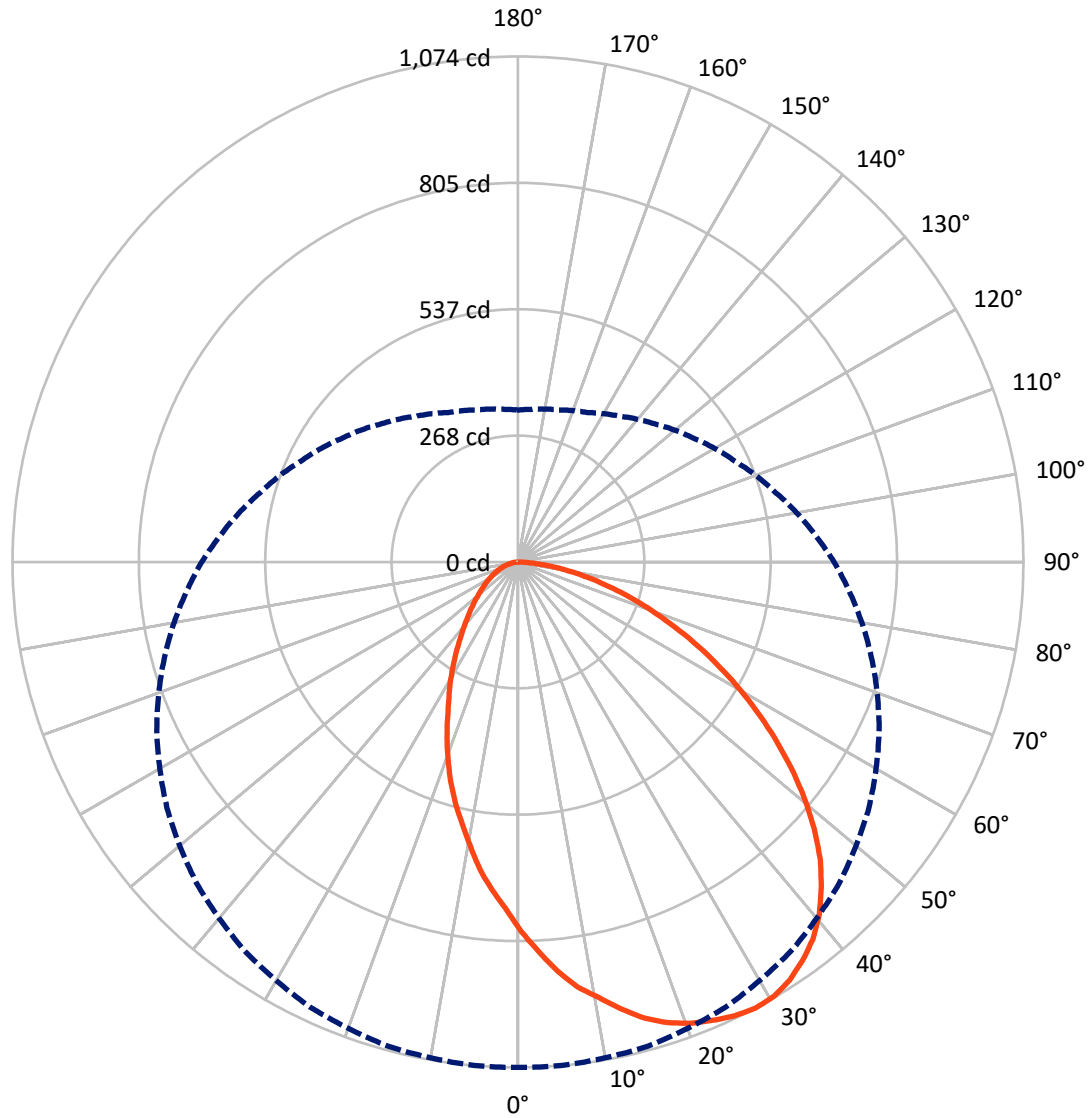
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - N/A

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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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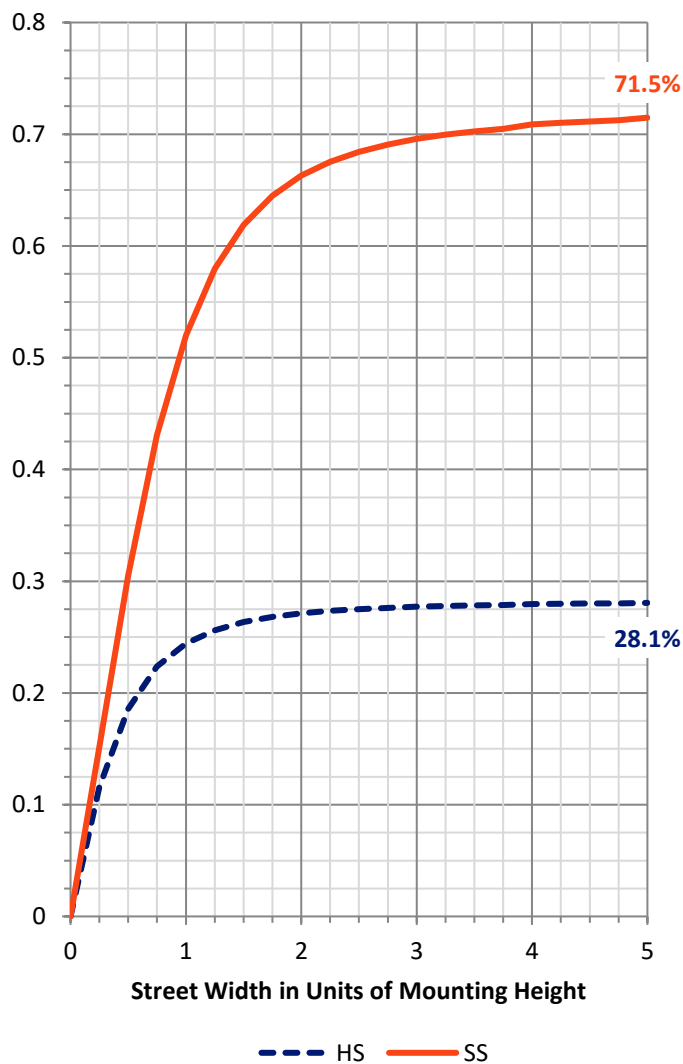
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	579.2	0.0	579.2
	% Fixture	28.3	0.0	28.3
Street Side	Lumens	1468.0	0.0	1468.0
	% Fixture	71.7	0.0	71.7
Total	Lumens	2047.2	0.0	2047.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.6
10°-20°	214.5	10.5
20°-30°	324.4	15.8
30°-40°	384.7	18.8
40°-50°	381.9	18.7
50°-60°	317.6	15.5
60°-70°	217.1	10.6
70°-80°	109.7	5.4
80°-90°	22.8	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°	2047.2	100.0
0°-180°	2047.2	100.0

Coefficient of Utilization

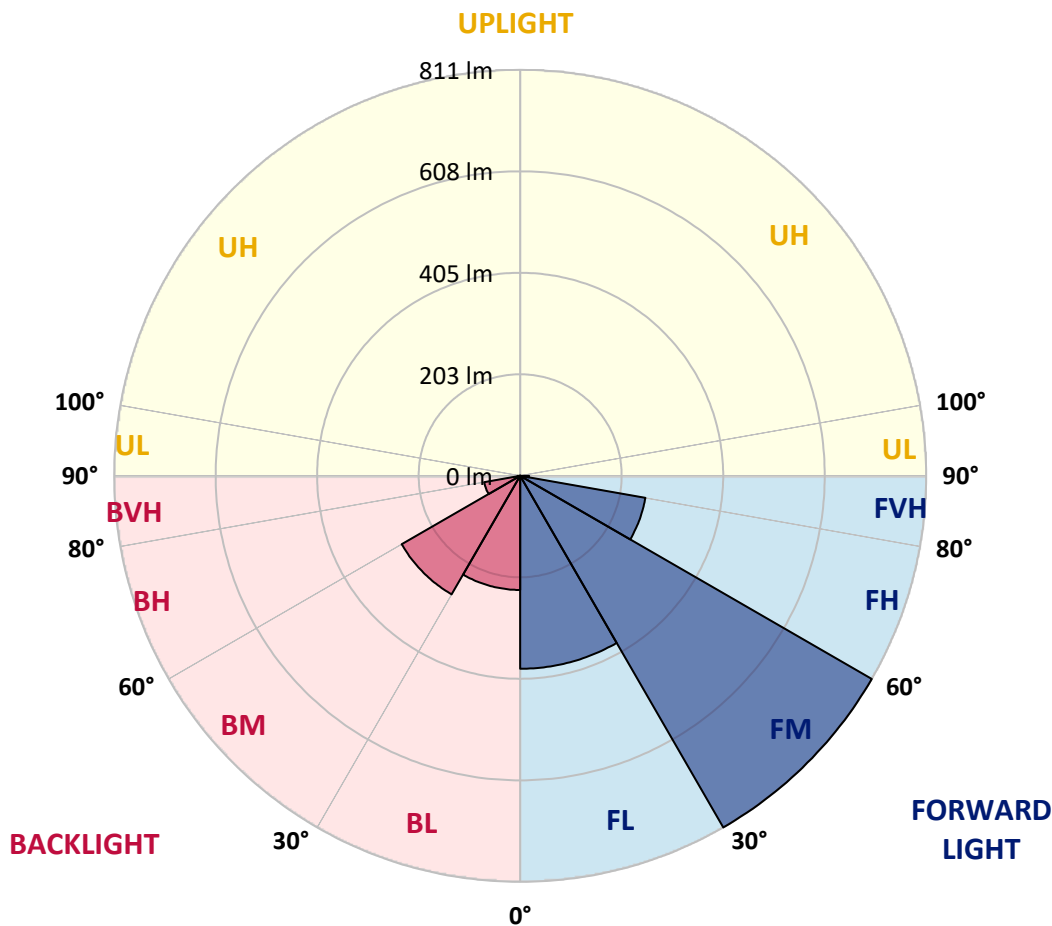


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.3	18.8			
FM (30°-60°)	810.9	39.6			
FH (60°-80°)	254.0	12.4			G0/660
FVH (80°-90°)	17.8	0.9			G1/100
BL (0°-30°)	228.0	11.1	B1/500		
BM (30°-60°)	273.3	13.4	B1/1000		
BH (60°-80°)	72.9	3.6	B0/110		G0/110
BVH (80°-90°)	5.1	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°	784.2	784.2	784.2	784.2	784.2	784.2	784.2	784.2	784.2	784.2	784.2
2.5°	827.6	824.7	820.3	818.9	814.6	810.2	805.9	800.1	794.3	788.5	784.2
5°	872.4	868.1	862.3	856.5	850.7	842.0	830.5	818.9	805.9	792.9	785.6
7.5°	911.5	907.2	899.9	892.7	881.1	869.5	852.2	833.4	813.1	794.3	782.7
10°	940.4	937.5	930.3	920.2	905.7	888.3	866.6	840.6	814.6	787.1	774.0
12.5°	973.7	969.4	962.1	949.1	930.3	908.6	881.1	850.7	817.5	782.7	765.4
15°	1005.5	1002.6	994.0	979.5	959.2	931.8	898.5	860.9	820.3	779.8	758.1
17.5°	1028.7	1027.2	1020.0	1002.6	979.5	946.2	908.6	865.2	818.9	771.2	746.6
20°	1046.0	1046.0	1037.4	1018.6	991.1	956.3	912.9	863.8	811.7	758.1	729.2
22.5°	1057.6	1057.6	1048.9	1028.7	998.3	960.7	912.9	858.0	800.1	740.8	708.9
25°	1067.8	1066.3	1059.1	1037.4	1005.5	963.6	912.9	853.6	790.0	723.4	690.1
27.5°	1073.5	1073.5	1064.9	1043.2	1009.9	965.0	910.0	846.4	776.9	706.0	671.3
30°	1070.6	1069.2	1060.5	1038.8	1004.1	957.8	898.5	830.5	758.1	682.9	646.7
32.5°	1059.1	1056.2	1047.5	1027.2	991.1	943.3	882.6	811.7	736.4	656.9	617.8
35°	1040.3	1040.3	1030.1	1009.9	975.2	926.0	860.9	790.0	710.4	629.4	590.3
37.5°	1017.1	1015.7	1005.5	986.7	952.0	902.8	837.7	763.9	682.9	599.0	561.4
40°	985.3	983.8	973.7	954.9	920.2	872.4	807.3	733.5	651.1	567.2	528.1
42.5°	944.8	944.8	934.6	917.3	884.0	837.7	774.0	698.8	617.8	533.9	496.3
45°	899.9	898.5	888.3	872.4	840.6	794.3	733.5	659.7	580.2	499.2	461.5
47.5°	846.4	844.9	836.3	823.2	792.9	750.9	690.1	619.2	541.1	463.0	426.8
50°	788.5	787.1	778.4	766.8	739.3	698.8	640.9	574.4	500.6	425.4	392.1
52.5°	726.3	726.3	719.1	707.5	684.3	643.8	590.3	528.1	458.6	387.7	353.0
55°	662.6	662.6	656.9	646.7	625.0	590.3	541.1	481.8	416.7	347.2	319.7
57.5°	597.5	597.5	593.2	584.5	564.3	532.4	489.0	434.0	373.3	314.0	287.9
60°	533.9	533.9	529.5	522.3	504.9	474.6	434.0	387.7	331.3	277.8	254.6
62.5°	470.2	471.7	467.3	461.5	447.1	419.6	384.9	338.6	292.3	244.5	224.3
65°	409.4	410.9	408.0	400.8	389.2	363.2	332.8	296.6	254.6	212.7	195.3
67.5°	347.2	348.7	350.1	341.4	331.3	311.1	286.5	253.2	218.5	183.7	167.8
70°	292.3	293.7	293.7	287.9	279.2	261.9	238.7	212.7	183.7	153.4	141.8
72.5°	238.7	240.2	241.6	237.3	228.6	214.1	196.8	175.1	150.5	125.9	115.7
75°	189.5	192.4	191.0	186.6	180.9	169.3	156.3	137.4	118.6	99.8	91.1
77.5°	143.2	144.7	144.7	141.8	137.4	130.2	118.6	104.2	89.7	76.7	69.4
80°	101.3	101.3	102.7	101.3	96.9	89.7	82.5	73.8	63.7	55.0	49.2
82.5°	63.7	65.1	65.1	63.7	60.8	57.9	50.6	44.9	39.1	34.7	30.4
85°	31.8	33.3	33.3	31.8	31.8	28.9	26.0	21.7	18.8	17.4	14.5
87.5°	10.1	10.1	8.7	10.1	10.1	8.7	7.2	5.8	5.8	4.3	4.3
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°	784.2	784.2	784.2	784.2	784.2	784.2	784.2	784.2	784.2	784.2
2.5°	779.8	771.2	763.9	755.2	749.5	743.7	740.8	736.4	736.4	736.4
5°	776.9	762.5	748.0	733.5	722.0	711.8	706.0	700.3	697.4	698.8
7.5°	769.7	748.0	727.7	707.5	691.6	677.1	667.0	659.7	655.4	658.3
10°	758.1	729.2	701.7	677.1	655.4	638.0	625.0	616.3	610.6	612.0
12.5°	746.6	711.8	677.1	649.6	622.1	600.4	584.5	575.8	568.6	568.6
15°	736.4	693.0	655.4	620.7	590.3	565.7	546.9	536.8	529.5	529.5
17.5°	722.0	672.8	627.9	590.3	555.6	528.1	506.4	494.8	487.6	487.6
20°	701.7	646.7	599.0	557.0	518.0	489.0	464.4	452.9	444.2	444.2
22.5°	680.0	620.7	567.2	520.9	480.3	448.5	423.9	410.9	402.2	402.2
25°	658.3	594.6	536.8	489.0	447.1	413.8	386.3	370.4	360.3	358.8
27.5°	635.2	567.2	507.8	457.2	413.8	377.6	350.1	334.2	325.5	322.6
30°	607.7	536.8	476.0	422.5	376.2	341.4	315.4	299.5	290.8	290.8
32.5°	580.2	506.4	444.2	390.6	341.4	309.6	283.6	267.7	259.0	259.0
35°	549.8	476.0	412.3	355.9	311.1	279.2	254.6	238.7	230.0	230.0
37.5°	519.4	447.1	380.5	327.0	285.0	251.7	227.2	212.7	205.4	204.0
40°	487.6	415.2	348.7	298.0	257.5	225.7	204.0	189.5	182.3	180.9
42.5°	455.7	383.4	319.7	270.6	231.5	202.6	182.3	167.8	162.0	160.6
45°	422.5	351.6	292.3	246.0	208.3	182.3	162.0	150.5	144.7	143.2
47.5°	390.6	321.2	266.2	222.8	188.1	163.5	144.7	133.1	127.3	127.3
50°	351.6	292.3	240.2	201.1	169.3	146.1	128.8	118.6	114.3	112.9
52.5°	319.7	264.8	217.0	180.9	151.9	130.2	115.7	105.6	101.3	101.3
55°	290.8	238.7	195.3	162.0	134.6	117.2	102.7	95.5	89.7	89.7
57.5°	259.0	212.7	175.1	144.7	121.5	104.2	92.6	83.9	79.6	79.6
60°	231.5	189.5	154.8	128.8	107.1	91.1	81.0	75.2	70.9	70.9
62.5°	204.0	166.4	136.0	112.9	94.0	81.0	70.9	65.1	62.2	62.2
65°	176.5	144.7	118.6	98.4	82.5	70.9	62.2	56.4	55.0	53.5
67.5°	151.9	125.9	102.7	85.4	70.9	60.8	53.5	49.2	46.3	46.3
70°	127.3	105.6	86.8	72.3	60.8	52.1	46.3	42.0	40.5	39.1
72.5°	105.6	86.8	70.9	59.3	49.2	43.4	37.6	34.7	33.3	33.3
75°	83.9	69.4	56.4	47.7	40.5	33.3	30.4	27.5	26.0	26.0
77.5°	63.7	52.1	43.4	36.2	30.4	26.0	23.1	21.7	20.3	18.8
80°	44.9	36.2	30.4	26.0	21.7	18.8	15.9	14.5	14.5	14.5
82.5°	27.5	23.1	18.8	15.9	13.0	11.6	10.1	8.7	8.7	8.7
85°	14.5	11.6	8.7	7.2	5.8	5.8	4.3	4.3	4.3	4.3
87.5°	4.3	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)