

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: P290541

Luminaire Tested: **AXCS3A-CGRF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-095-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: AXCS3A-CGRF  
Description: 3A AXCENT SMALL LED WALLPACK WITH 5000K CCT AND 70 CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3124.9 lumens  
Efficiency: N/A  
Efficacy: 116.6 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

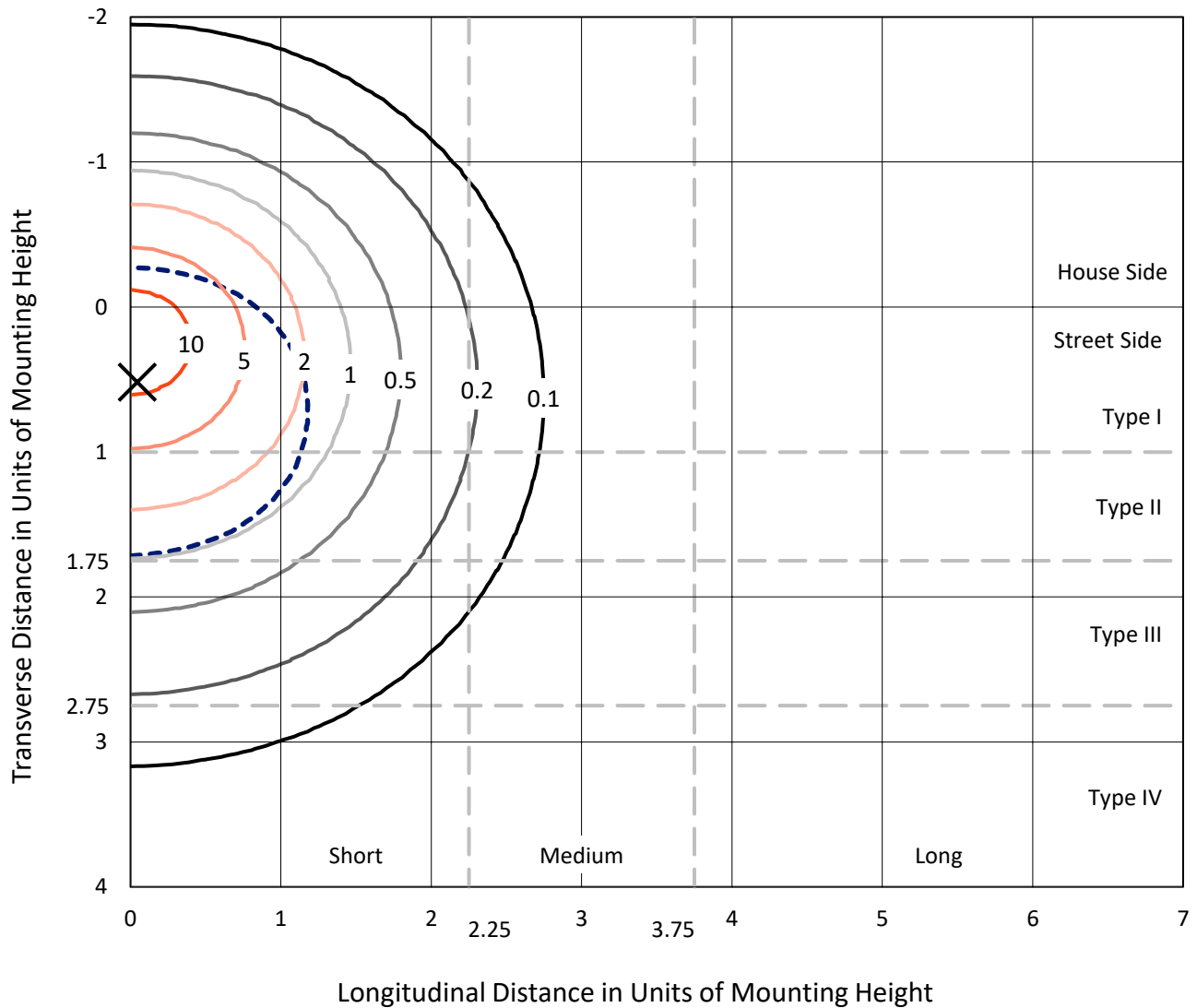
Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

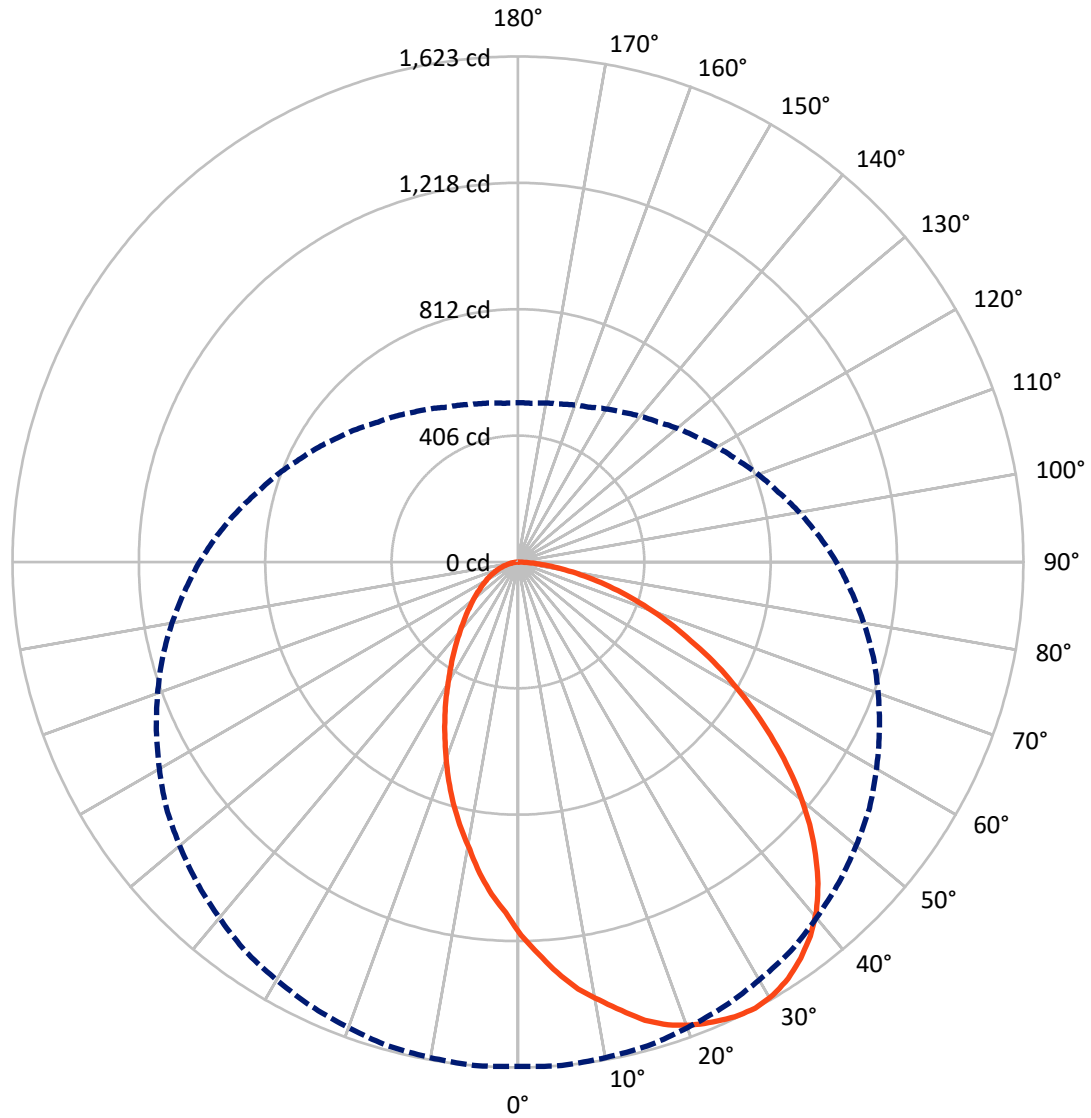
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 27.5-Deg Vertical

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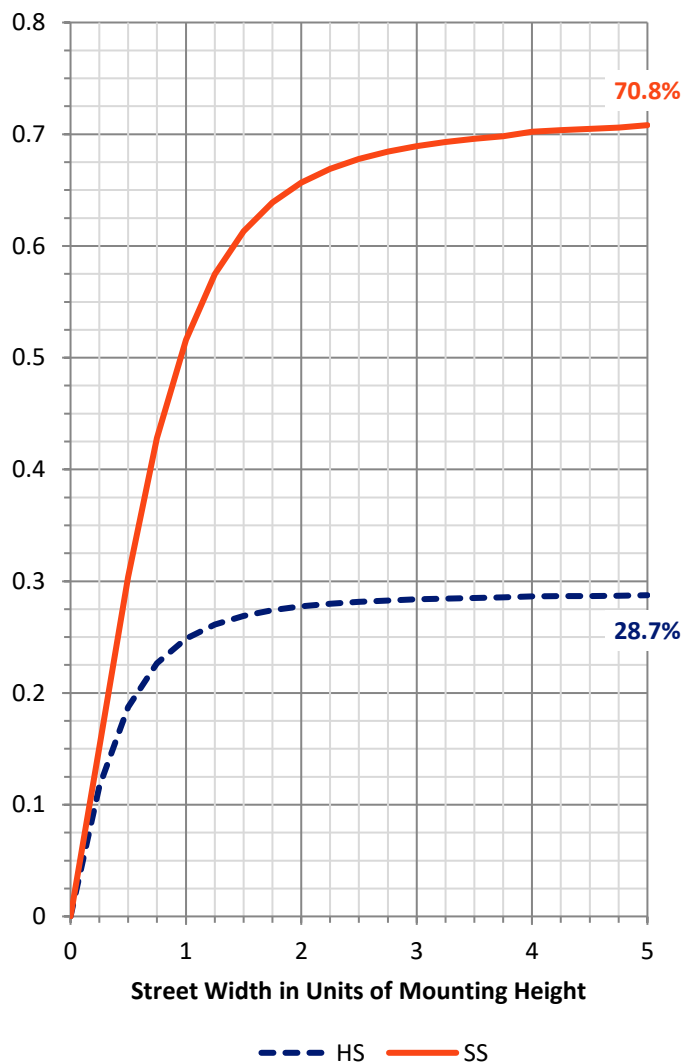
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	905.5	0.0	905.5
	% Fixture	29.0	0.0	29.0
<b>Street Side</b>	Lumens	2219.4	0.0	2219.4
	% Fixture	71.0	0.0	71.0
<b>Total</b>	Lumens	3124.9	0.0	3124.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.8	3.6
10°-20°	327.6	10.5
20°-30°	494.5	15.8
30°-40°	585.5	18.7
40°-50°	581.1	18.6
50°-60°	484.4	15.5
60°-70°	333.9	10.7
70°-80°	169.6	5.4
80°-90°	34.5	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°	3124.9	100.0
0°-180°	3124.9	100.0

**Coefficient of Utilization**

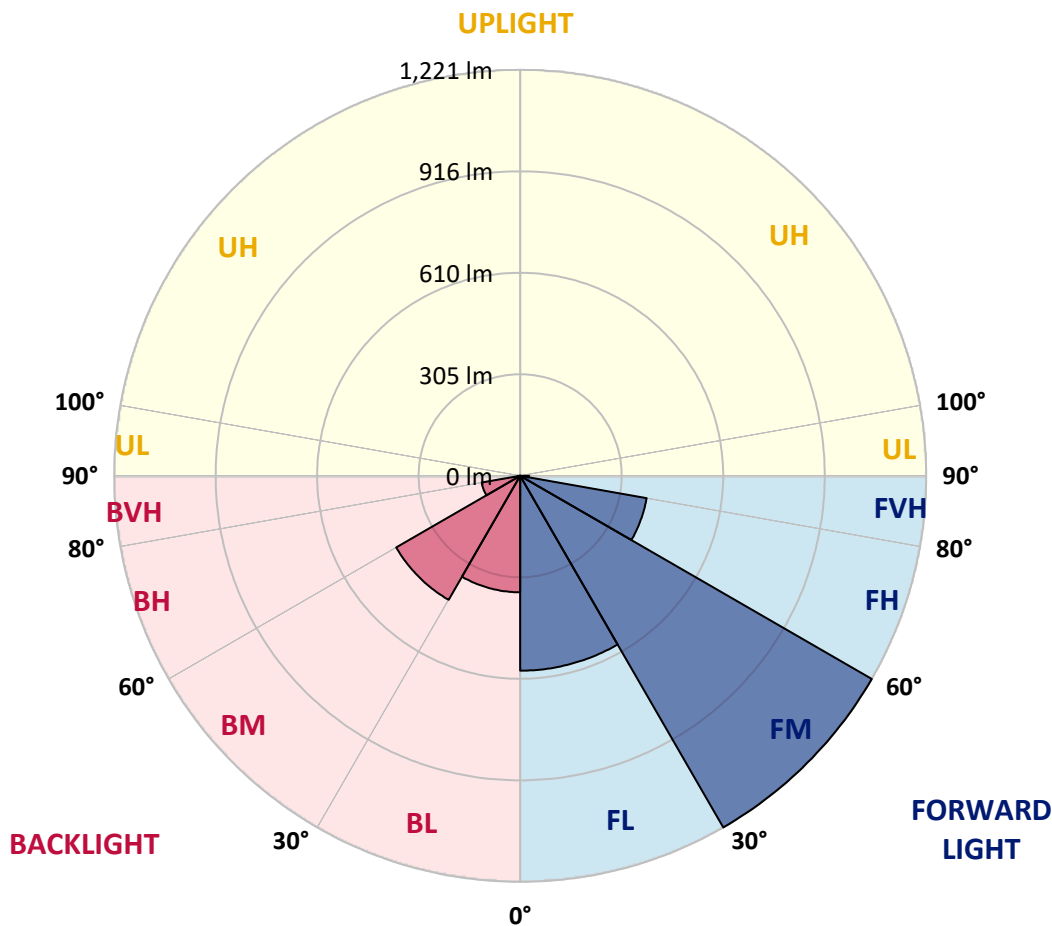


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.8	18.7			
FM (30°-60°)	1220.7	39.1			
FH (60°-80°)	386.1	12.4			G0/660
FVH (80°-90°)	26.8	0.9			G1/100
BL (0°-30°)	350.2	11.2	B1/500		
BM (30°-60°)	430.3	13.8	B1/1000		
BH (60°-80°)	117.4	3.8	B1/500		G1/500
BVH (80°-90°)	7.7	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°	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7
2.5°	1267.1	1260.0	1257.5	1250.5	1247.9	1240.9	1233.8	1224.9	1214.1	1205.7	1198.7
5°	1330.9	1325.2	1321.3	1312.4	1301.5	1284.9	1271.5	1253.6	1230.7	1212.8	1200.6
7.5°	1390.3	1384.6	1376.3	1359.7	1346.9	1325.8	1302.8	1274.1	1241.5	1213.4	1195.5
10°	1434.4	1430.5	1420.3	1401.8	1383.9	1354.6	1323.9	1286.2	1244.1	1202.6	1182.1
12.5°	1482.3	1478.4	1466.3	1445.9	1419.7	1384.6	1346.9	1299.6	1248.5	1196.2	1168.7
15°	1530.8	1527.6	1514.8	1490.6	1458.6	1419.1	1370.5	1313.7	1252.4	1189.8	1157.2
17.5°	1566.6	1563.4	1551.9	1523.8	1489.9	1441.4	1385.8	1321.3	1247.9	1175.1	1138.7
20°	1592.1	1588.3	1576.8	1544.9	1507.2	1454.2	1389.0	1316.2	1233.8	1154.0	1113.1
22.5°	1605.5	1604.9	1594.0	1558.3	1517.4	1458.6	1389.0	1307.3	1217.9	1131.0	1085.0
25°	1615.8	1618.3	1605.5	1568.5	1526.3	1459.9	1385.8	1295.8	1201.9	1103.6	1055.0
27.5°	1619.6	1623.4	1609.4	1573.6	1526.3	1457.4	1378.2	1281.1	1181.5	1074.2	1022.5
30°	1611.3	1614.5	1599.8	1566.6	1516.1	1445.9	1359.7	1258.8	1152.7	1039.1	984.1
32.5°	1590.2	1594.7	1578.1	1546.1	1496.3	1422.9	1334.8	1228.1	1118.3	1000.1	942.6
35°	1563.4	1563.4	1549.3	1519.3	1468.2	1392.2	1303.5	1193.6	1079.3	956.0	897.9
37.5°	1522.5	1525.1	1511.0	1482.9	1431.2	1354.6	1265.1	1154.7	1036.5	912.0	852.6
40°	1472.7	1475.9	1461.2	1435.7	1385.2	1312.4	1217.2	1110.0	988.0	864.1	805.3
42.5°	1417.1	1413.3	1403.1	1376.3	1327.7	1257.5	1162.3	1056.9	936.9	813.6	754.9
45°	1345.0	1340.5	1333.5	1304.1	1262.6	1192.3	1104.2	998.8	880.0	759.3	702.5
47.5°	1268.3	1260.7	1256.2	1229.4	1189.8	1122.7	1036.5	933.7	821.3	705.1	651.4
50°	1178.3	1173.8	1164.2	1145.7	1108.7	1049.9	960.5	867.9	756.8	648.2	598.4
52.5°	1085.7	1081.2	1072.9	1057.6	1022.5	968.8	886.4	798.9	696.8	592.0	545.4
55°	992.4	984.8	977.8	966.3	935.0	882.0	813.6	728.0	633.5	538.4	494.9
57.5°	895.4	889.6	883.9	873.7	845.6	800.9	735.1	657.2	571.6	484.7	445.1
60°	800.2	795.1	790.6	782.3	756.1	716.6	657.8	586.9	507.7	434.3	396.6
62.5°	707.0	705.1	698.7	691.6	667.4	634.2	581.2	518.6	451.5	383.2	350.0
65°	616.3	609.3	610.5	604.8	583.1	553.7	506.4	450.9	395.3	334.6	305.3
67.5°	528.8	526.9	521.1	516.7	501.3	475.8	434.3	387.7	341.0	288.0	262.5
70°	444.5	443.9	440.0	435.6	422.1	401.1	366.6	327.6	285.5	242.7	221.6
72.5°	364.7	364.0	360.2	357.0	345.5	329.5	304.0	268.9	237.6	199.9	184.6
75°	289.9	289.3	285.5	282.9	274.6	262.5	242.0	213.3	189.0	158.4	145.6
77.5°	219.1	219.1	218.4	213.9	207.6	198.0	183.3	162.9	141.8	119.4	110.5
80°	153.9	152.6	152.6	149.4	144.3	138.6	127.7	114.3	99.6	83.7	77.9
82.5°	97.1	96.4	95.8	93.2	90.0	86.9	79.8	71.5	62.6	52.4	48.5
85°	49.2	49.2	48.5	46.6	44.7	43.4	38.3	35.8	31.3	26.2	24.3
87.5°	14.7	13.4	14.7	13.4	12.8	12.8	10.9	10.2	8.9	7.0	7.0
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°	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7
2.5°	1193.0	1178.3	1166.2	1153.4	1145.1	1135.5	1134.2	1128.5	1126.6	1122.7
5°	1189.8	1162.3	1143.8	1121.4	1104.8	1088.2	1081.2	1073.6	1070.4	1064.0
7.5°	1180.2	1141.9	1113.1	1082.5	1057.6	1035.9	1025.0	1012.2	1007.8	1004.6
10°	1161.0	1113.8	1074.8	1035.2	1003.3	977.1	960.5	945.2	936.2	936.9
12.5°	1143.2	1087.0	1039.7	990.5	952.8	920.3	899.8	883.2	875.6	874.3
15°	1125.9	1059.5	1003.9	949.0	902.4	870.5	842.4	823.2	814.3	816.2
17.5°	1101.7	1026.3	963.1	902.4	851.3	813.0	781.7	763.2	750.4	745.9
20°	1072.3	988.0	915.8	851.3	796.4	751.0	717.8	698.7	685.9	682.1
22.5°	1038.4	947.7	869.2	798.9	738.9	692.3	657.8	636.7	624.6	620.1
25°	1003.9	906.9	823.2	749.1	687.8	636.7	601.0	578.6	566.5	560.7
27.5°	969.5	866.0	776.6	699.9	635.4	586.9	548.0	525.0	511.5	511.5
30°	927.9	821.3	729.3	650.1	584.4	536.5	496.2	473.2	457.3	459.8
32.5°	883.9	774.0	681.4	601.6	535.2	487.3	447.0	424.7	410.6	407.5
35°	839.2	728.0	634.8	553.7	489.2	439.4	403.0	380.6	367.9	365.3
37.5°	793.8	682.1	588.2	509.0	445.8	397.9	362.7	341.0	329.5	329.5
40°	746.6	634.2	543.5	466.8	404.3	359.6	326.3	305.9	294.4	294.4
42.5°	697.4	588.8	500.7	425.3	366.6	325.7	293.8	274.6	263.1	263.1
45°	646.3	543.5	457.3	387.7	332.1	291.9	263.1	244.6	235.7	236.3
47.5°	596.5	499.4	417.7	351.9	300.8	263.1	236.3	219.7	211.4	210.8
50°	548.0	454.7	381.9	318.7	271.4	237.6	212.7	197.3	189.0	189.0
52.5°	498.8	413.2	345.5	287.4	244.0	213.9	191.0	176.9	169.2	169.2
55°	450.9	373.0	311.0	258.6	221.0	191.6	171.2	157.7	150.7	150.7
57.5°	404.9	334.0	279.1	231.2	197.3	172.4	151.4	140.5	134.8	134.1
60°	360.8	297.6	249.1	205.6	175.6	152.0	134.8	125.2	119.4	119.4
62.5°	318.7	262.5	218.4	182.0	153.9	134.1	119.4	111.1	106.7	106.0
65°	277.8	229.3	191.0	159.0	134.8	117.5	104.7	96.4	92.6	92.6
67.5°	238.9	198.0	164.1	135.4	116.2	101.5	90.7	83.7	79.8	80.5
70°	201.8	164.1	137.9	115.0	98.4	85.6	76.6	70.9	68.3	67.7
72.5°	165.4	136.0	113.0	95.2	81.1	70.9	63.9	58.8	56.8	56.2
75°	130.3	106.7	89.4	75.4	64.5	56.2	50.5	46.6	45.3	44.7
77.5°	98.4	79.2	66.4	56.8	48.5	42.8	38.3	35.1	33.8	33.8
80°	68.3	53.6	46.0	39.6	33.8	30.0	26.8	24.3	23.6	23.6
82.5°	41.5	31.9	27.5	24.3	21.1	18.5	16.0	14.7	14.7	14.1
85°	19.8	14.7	13.4	11.5	9.6	8.3	7.7	7.0	6.4	6.4
87.5°	5.1	3.8	3.2	2.6	1.9	1.9	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)