

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: P290542

Luminaire Tested: **AXCS4A-W-GRF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290542
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: AXCS4A-W-GRF
Description: 4A AXCENT SMALL LED WALLPACK WITH 3000K CCT AND 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4121.3 lumens
Efficiency: N/A
Efficacy: 94.3 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

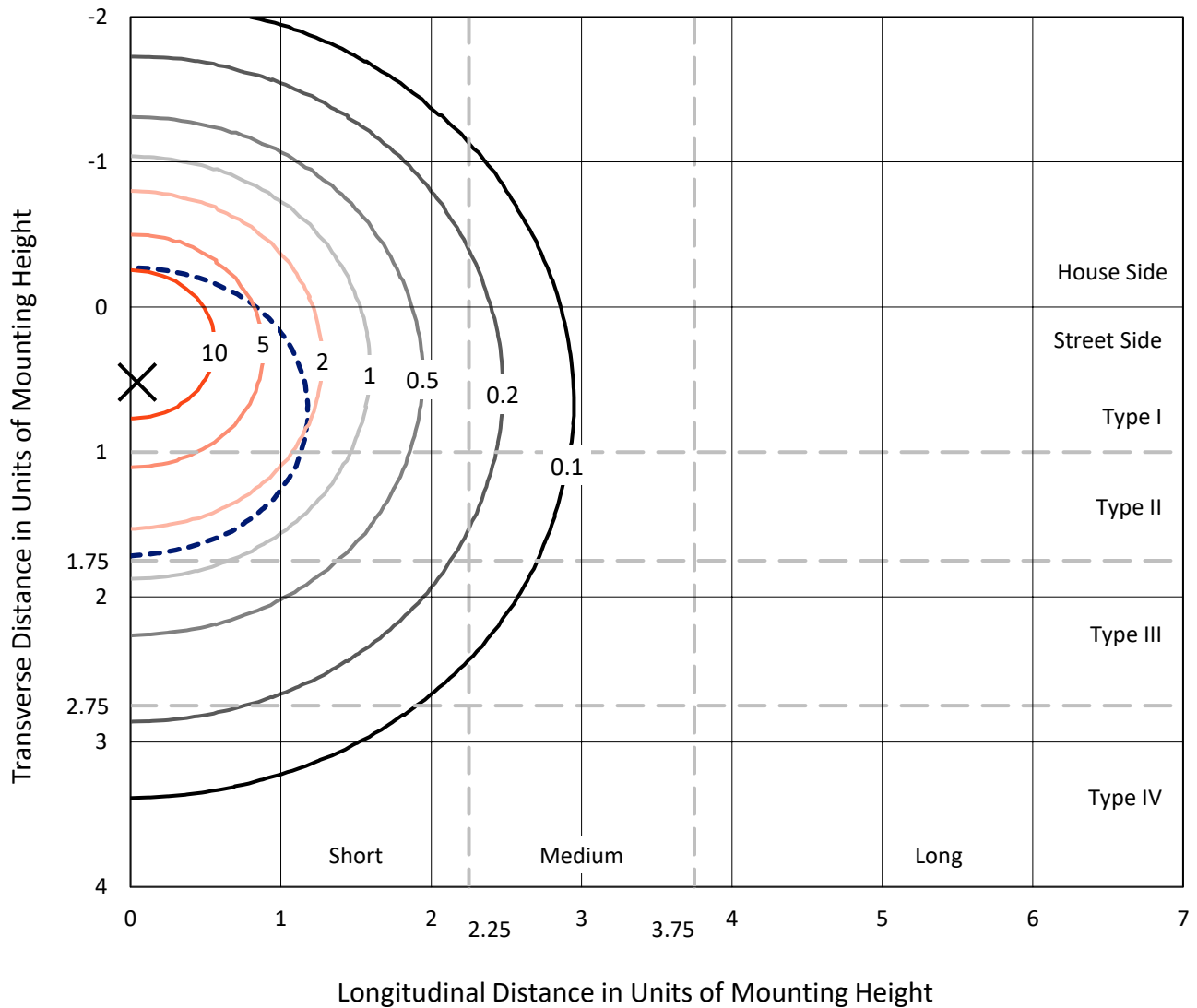
Input Watts (W): 43.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

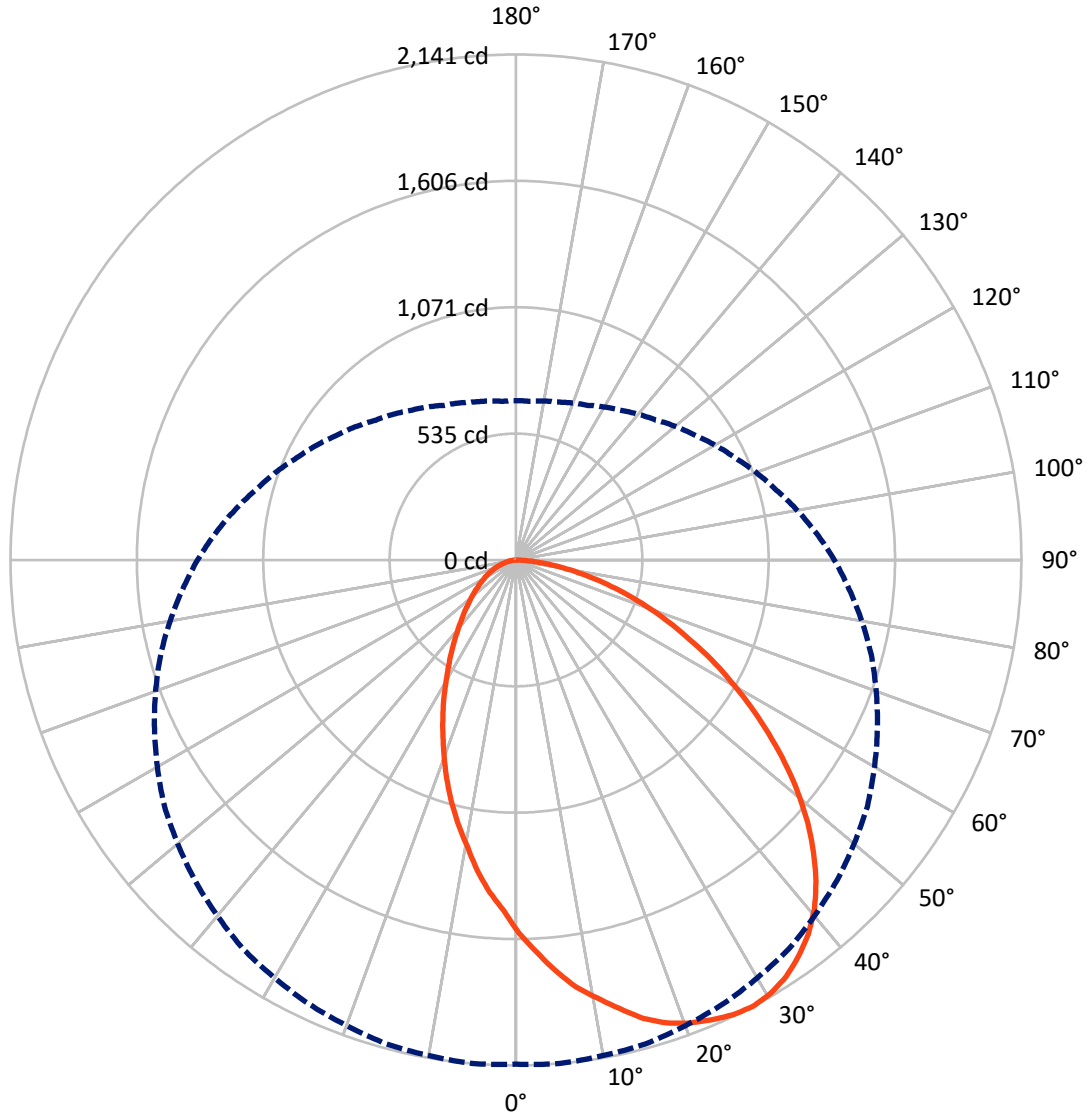
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 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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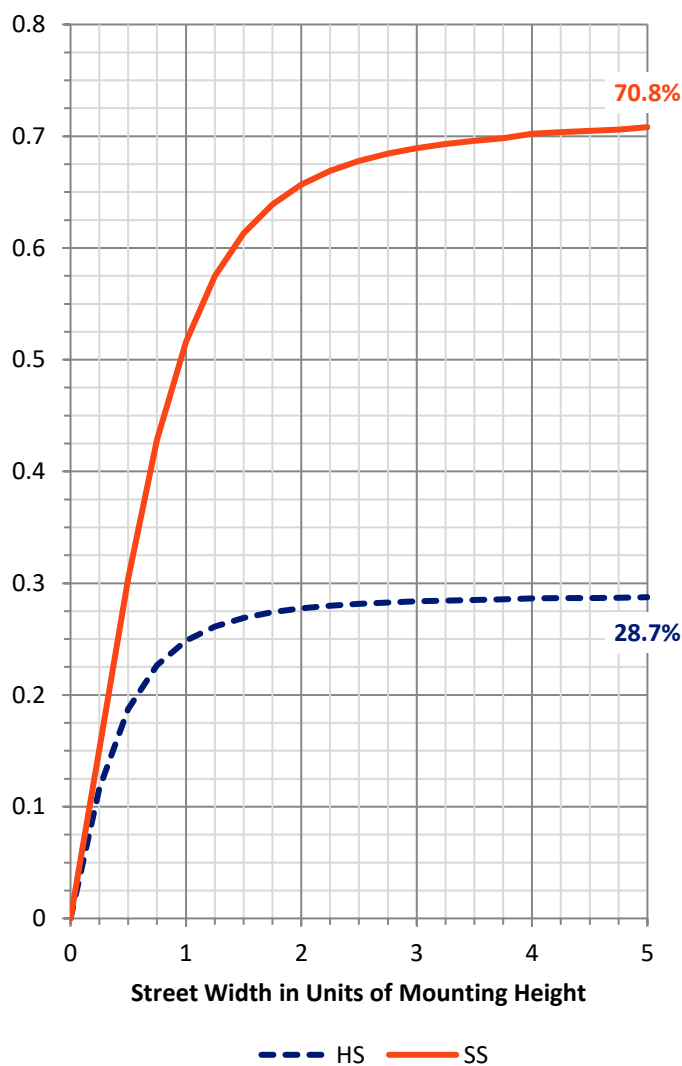
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1194.3	0.0	1194.3
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	2927.1	0.0	2927.1
	% Fixture	71.0	0.0	71.0
Total	Lumens	4121.3	0.0	4121.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	3.6
10°-20°	432.1	10.5
20°-30°	652.2	15.8
30°-40°	772.1	18.7
40°-50°	766.4	18.6
50°-60°	638.9	15.5
60°-70°	440.4	10.7
70°-80°	223.6	5.4
80°-90°	45.5	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°	4121.3	100.0
0°-180°	4121.3	100.0

Coefficient of Utilization

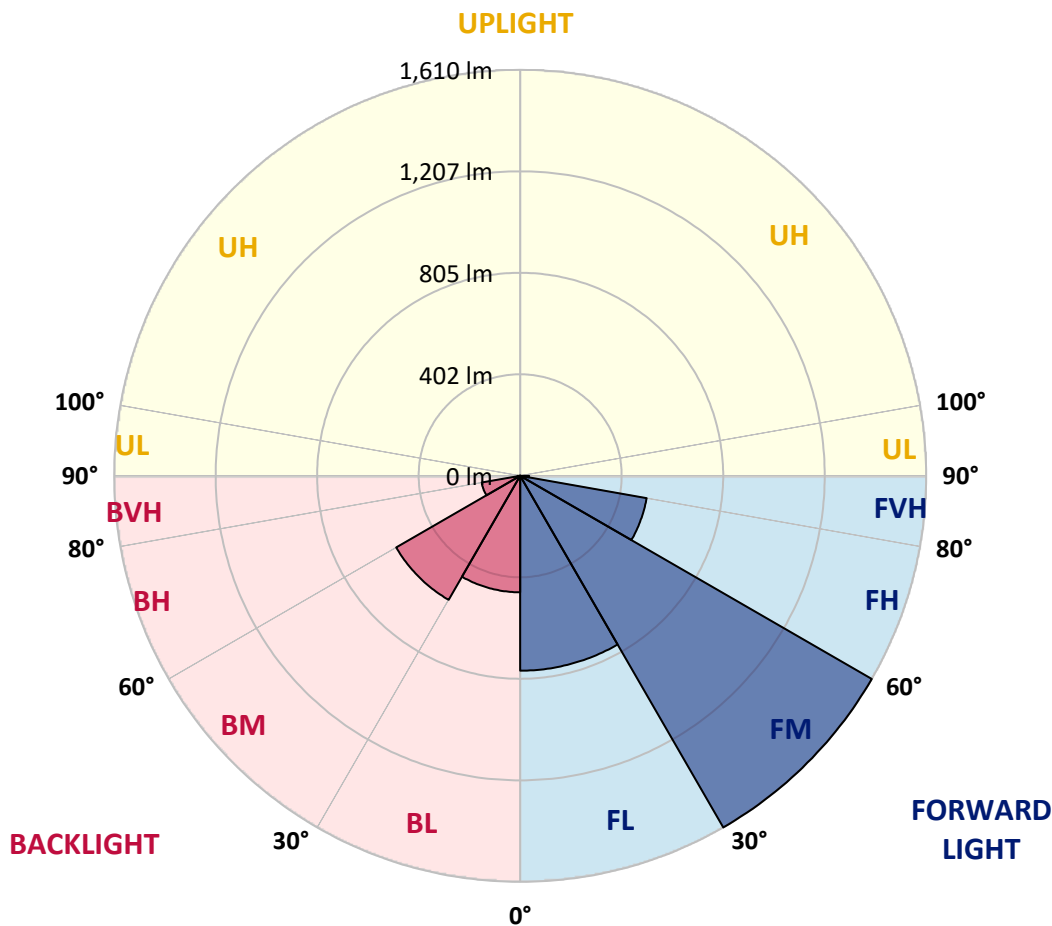


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	772.6	18.7			
FM (30°-60°)	1609.9	39.1			
FH (60°-80°)	509.2	12.4			G0/660
FVH (80°-90°)	35.4	0.9			G1/100
BL (0°-30°)	461.8	11.2	B1/500		
BM (30°-60°)	567.5	13.8	B1/1000		
BH (60°-80°)	154.8	3.8	B1/500		G1/500
BVH (80°-90°)	10.1	0.2			G1/100
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°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1671.1	1661.8	1658.4	1649.2	1645.8	1636.5	1627.3	1615.5	1601.2	1590.2	1580.9
5°	1755.3	1747.7	1742.7	1730.9	1716.5	1694.6	1677.0	1653.4	1623.1	1599.5	1583.5
7.5°	1833.6	1826.0	1815.1	1793.2	1776.3	1748.6	1718.2	1680.3	1637.4	1600.3	1576.7
10°	1891.7	1886.7	1873.2	1848.8	1825.2	1786.5	1746.0	1696.3	1640.7	1586.0	1559.0
12.5°	1954.9	1949.9	1933.9	1906.9	1872.4	1826.0	1776.3	1714.0	1646.6	1577.6	1541.4
15°	2018.9	2014.7	1997.9	1965.9	1923.7	1871.5	1807.5	1732.6	1651.7	1569.2	1526.2
17.5°	2066.1	2061.9	2046.7	2009.7	1965.0	1901.0	1827.7	1742.7	1645.8	1549.8	1501.8
20°	2099.8	2094.7	2079.6	2037.5	1987.8	1917.9	1831.9	1735.9	1627.3	1522.0	1468.1
22.5°	2117.5	2116.6	2102.3	2055.1	2001.2	1923.7	1831.9	1724.1	1606.2	1491.7	1431.0
25°	2130.9	2134.3	2117.5	2068.6	2013.0	1925.4	1827.7	1709.0	1585.2	1455.4	1391.4
27.5°	2136.0	2141.1	2122.5	2075.4	2013.0	1922.1	1817.6	1689.6	1558.2	1416.7	1348.5
30°	2125.0	2129.3	2109.9	2066.1	1999.6	1906.9	1793.2	1660.1	1520.3	1370.4	1297.9
32.5°	2097.3	2103.2	2081.3	2039.1	1973.4	1876.6	1760.3	1619.7	1474.8	1319.0	1243.2
35°	2061.9	2061.9	2043.3	2003.8	1936.4	1836.2	1719.1	1574.2	1423.4	1260.9	1184.2
37.5°	2008.0	2011.3	1992.8	1955.8	1887.5	1786.5	1668.5	1522.8	1367.0	1202.8	1124.4
40°	1942.3	1946.5	1927.1	1893.4	1826.9	1730.9	1605.4	1463.9	1303.0	1139.6	1062.1
42.5°	1869.0	1863.9	1850.5	1815.1	1751.1	1658.4	1532.9	1394.0	1235.6	1073.1	995.6
45°	1773.8	1767.9	1758.7	1719.9	1665.2	1572.5	1456.3	1317.3	1160.6	1001.5	926.5
47.5°	1672.7	1662.6	1656.7	1621.4	1569.2	1480.7	1367.0	1231.4	1083.2	929.9	859.1
50°	1554.0	1548.1	1535.5	1511.0	1462.2	1384.7	1266.8	1144.6	998.1	854.9	789.2
52.5°	1431.9	1426.0	1415.0	1394.8	1348.5	1277.7	1169.1	1053.7	918.9	780.8	719.3
55°	1308.9	1298.8	1289.5	1274.4	1233.1	1163.2	1073.1	960.2	835.5	710.0	652.8
57.5°	1180.9	1173.3	1165.7	1152.2	1115.2	1056.2	969.5	866.7	753.8	639.3	587.1
60°	1055.4	1048.6	1042.7	1031.8	997.2	945.0	867.5	774.0	669.6	572.7	523.1
62.5°	932.4	929.9	921.4	912.2	880.2	836.4	766.5	683.9	595.5	505.4	461.6
65°	812.8	803.5	805.2	797.6	769.0	730.2	667.9	594.6	521.4	441.3	402.6
67.5°	697.4	694.9	687.3	681.4	661.2	627.5	572.7	511.3	449.8	379.9	346.2
70°	586.2	585.4	580.3	574.4	556.7	528.9	483.5	432.1	376.5	320.1	292.3
72.5°	480.9	480.1	475.0	470.8	455.7	434.6	400.9	354.6	313.3	263.6	243.4
75°	382.4	381.5	376.5	373.1	362.2	346.2	319.2	281.3	249.3	208.9	192.0
77.5°	288.9	288.9	288.1	282.2	273.7	261.1	241.7	214.8	187.0	157.5	145.7
80°	203.0	201.3	201.3	197.1	190.4	182.8	168.5	150.8	131.4	110.3	102.8
82.5°	128.0	127.2	126.3	123.0	118.8	114.5	105.3	94.3	82.5	69.1	64.0
85°	64.9	64.9	64.0	61.5	59.0	57.3	50.5	47.2	41.3	34.5	32.0
87.5°	19.4	17.7	19.4	17.7	16.8	16.8	14.3	13.5	11.8	9.3	9.3
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°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1573.4	1554.0	1538.0	1521.1	1510.2	1497.6	1495.9	1488.3	1485.8	1480.7
5°	1569.2	1532.9	1508.5	1479.0	1457.1	1435.2	1426.0	1415.9	1411.6	1403.2
7.5°	1556.5	1506.0	1468.1	1427.6	1394.8	1366.2	1351.8	1335.0	1329.1	1324.9
10°	1531.2	1468.9	1417.5	1365.3	1323.2	1288.7	1266.8	1246.6	1234.8	1235.6
12.5°	1507.7	1433.5	1371.2	1306.4	1256.7	1213.7	1186.8	1164.9	1154.8	1153.1
15°	1484.9	1397.3	1324.0	1251.6	1190.1	1148.0	1111.0	1085.7	1073.9	1076.4
17.5°	1452.9	1353.5	1270.1	1190.1	1122.7	1072.2	1030.9	1006.5	989.7	983.8
20°	1414.2	1303.0	1207.8	1122.7	1050.3	990.5	946.7	921.4	904.6	899.5
22.5°	1369.5	1249.9	1146.3	1053.7	974.5	913.0	867.5	839.7	823.7	817.8
25°	1324.0	1196.0	1085.7	988.0	907.1	839.7	792.6	763.1	747.1	739.5
27.5°	1278.6	1142.1	1024.2	923.1	838.1	774.0	722.7	692.3	674.7	674.7
30°	1223.8	1083.2	961.9	857.4	770.7	707.5	654.4	624.1	603.1	606.4
32.5°	1165.7	1020.8	898.7	793.4	705.8	642.7	589.6	560.1	541.6	537.4
35°	1106.7	960.2	837.2	730.2	645.2	579.5	531.5	502.0	485.1	481.8
37.5°	1046.9	899.5	775.7	671.3	587.9	524.7	478.4	449.8	434.6	434.6
40°	984.6	836.4	716.8	615.7	533.2	474.2	430.4	403.4	388.3	388.3
42.5°	919.8	776.6	660.3	561.0	483.5	429.6	387.4	362.2	347.0	347.0
45°	852.4	716.8	603.1	511.3	438.0	384.9	347.0	322.6	310.8	311.6
47.5°	786.7	658.7	550.8	464.1	396.7	347.0	311.6	289.7	278.8	277.9
50°	722.7	599.7	503.7	420.3	358.0	313.3	280.5	260.3	249.3	249.3
52.5°	657.8	544.9	455.7	379.0	321.7	282.2	251.8	233.3	223.2	223.2
55°	594.6	491.9	410.2	341.1	291.4	252.7	225.7	208.0	198.8	198.8
57.5°	534.0	440.5	368.1	304.9	260.3	227.4	199.6	185.3	177.7	176.9
60°	475.9	392.5	328.5	271.2	231.6	200.5	177.7	165.1	157.5	157.5
62.5°	420.3	346.2	288.1	240.0	203.0	176.9	157.5	146.6	140.7	139.8
65°	366.4	302.4	251.8	209.7	177.7	155.0	138.1	127.2	122.1	122.1
67.5°	315.0	261.1	216.5	178.6	153.3	133.9	119.6	110.3	105.3	106.1
70°	266.2	216.5	181.9	151.6	129.7	112.9	101.1	93.5	90.1	89.3
72.5°	218.1	179.4	149.1	125.5	107.0	93.5	84.2	77.5	75.0	74.1
75°	171.8	140.7	117.9	99.4	85.1	74.1	66.5	61.5	59.8	59.0
77.5°	129.7	104.4	87.6	75.0	64.0	56.4	50.5	46.3	44.6	44.6
80°	90.1	70.8	60.6	52.2	44.6	39.6	35.4	32.0	31.2	31.2
82.5°	54.7	42.1	36.2	32.0	27.8	24.4	21.1	19.4	19.4	18.5
85°	26.1	19.4	17.7	15.2	12.6	10.9	10.1	9.3	8.4	8.4
87.5°	6.7	5.1	4.2	3.4	2.5	2.5	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)