

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: P290527

Luminaire Tested: **AXCS4A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-024-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCS4A-W
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: 4664.8 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

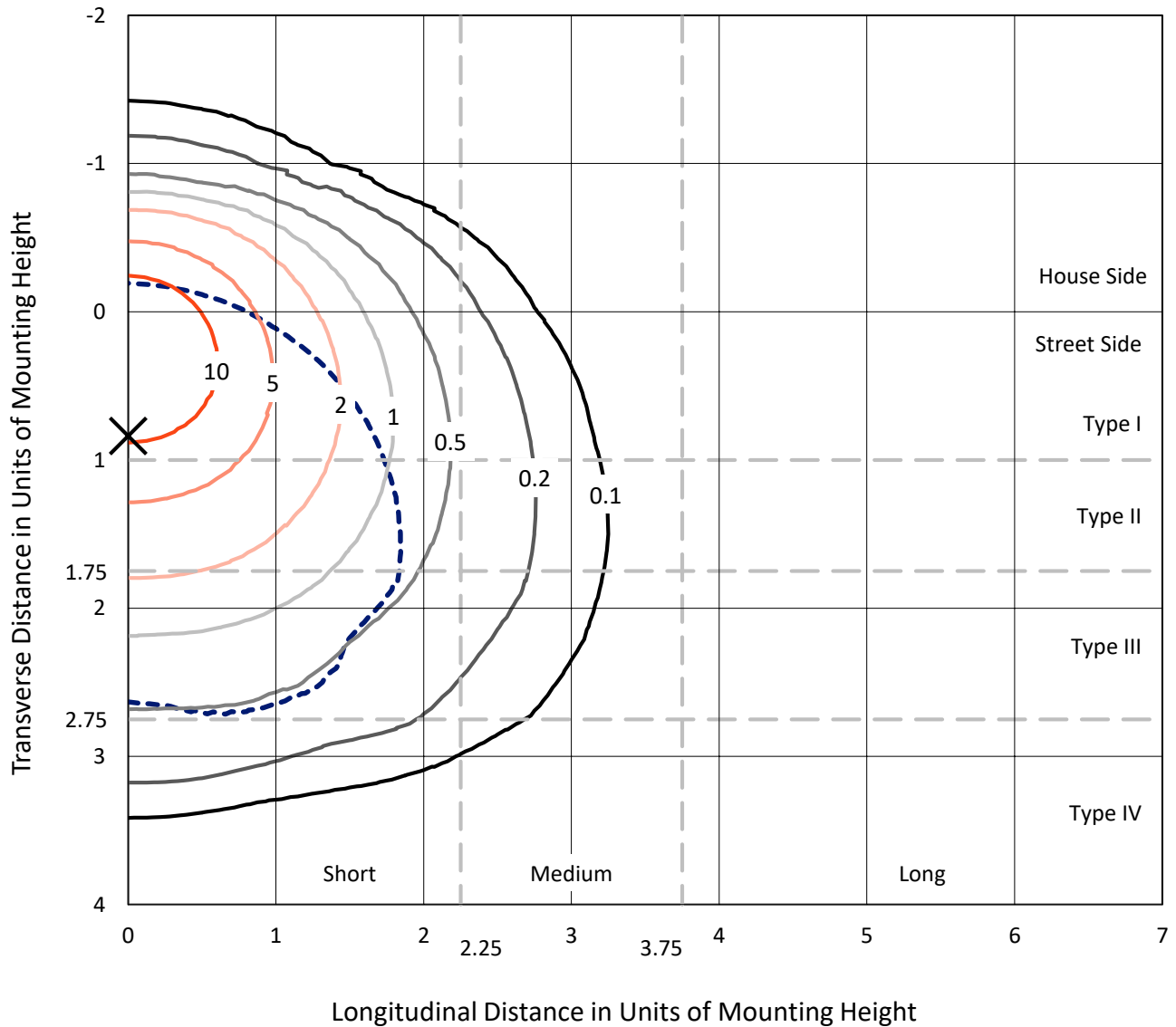
Input Watts (W): 43.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P290527
 CATALOG NUMBER: AXCS4A-W

Iso-Footcandle Lines of Horizontal Illumination

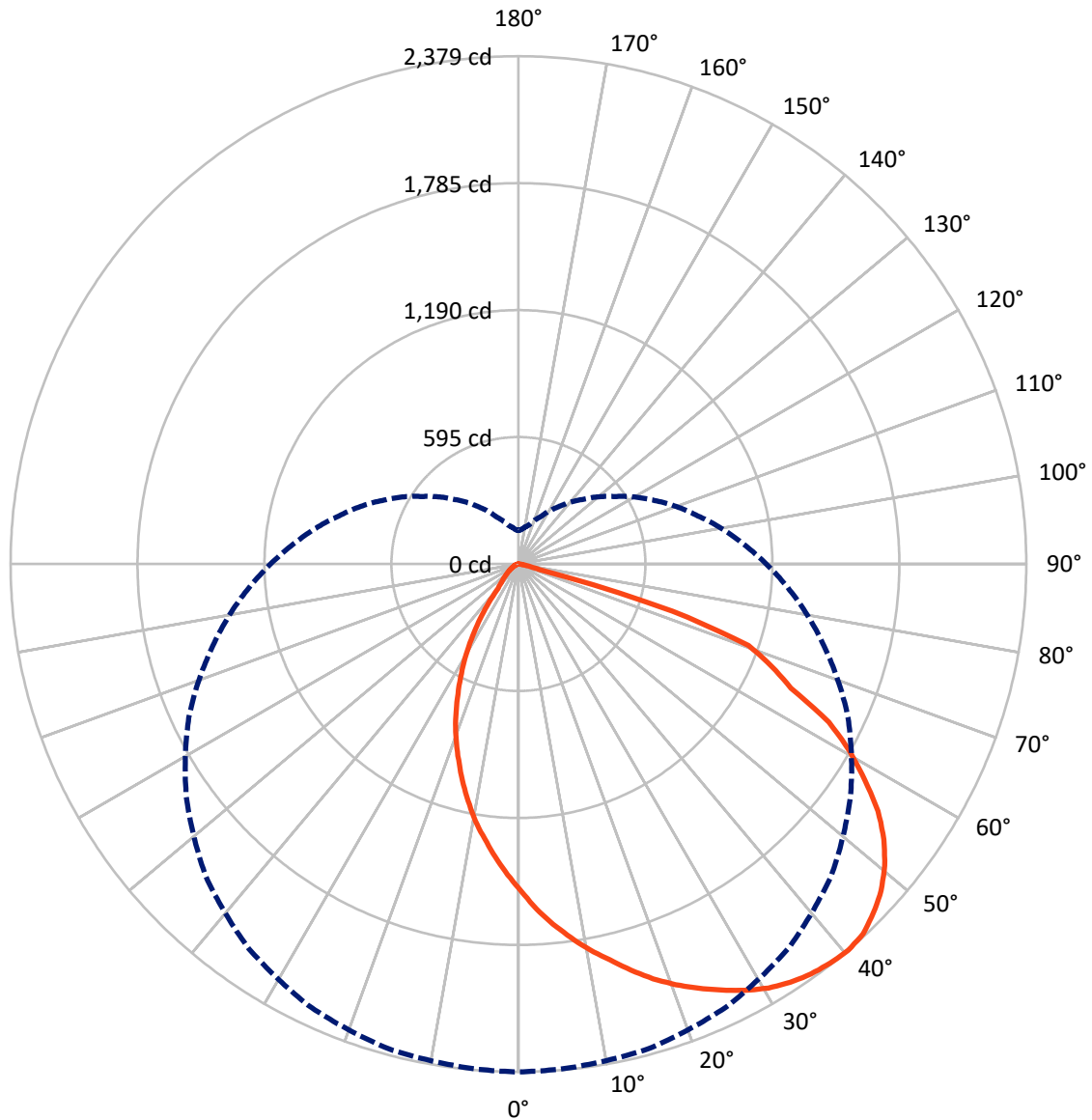
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P290527
CATALOG NUMBER: AXCS4A-W

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 40-Deg Vertical

REPORT NUMBER: P290527
 CATALOG NUMBER: AXCS4A-W

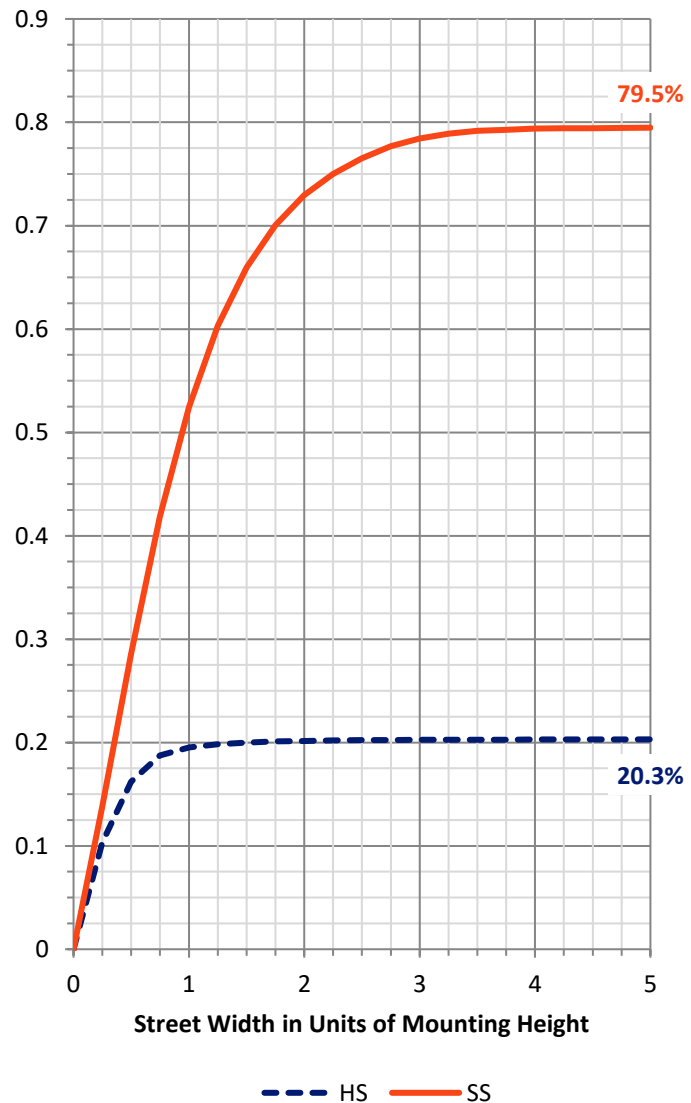
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	955.8	0.0	955.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3708.9	0.0	3708.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	4664.8	0.0	4664.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	3.1
10°-20°	422.5	9.1
20°-30°	656.8	14.1
30°-40°	819.4	17.6
40°-50°	884.2	19.0
50°-60°	836.3	17.9
60°-70°	642.3	13.8
70°-80°	247.1	5.3
80°-90°	10.6	0.2
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°	4664.8	100.0
0°-180°	4664.8	100.0



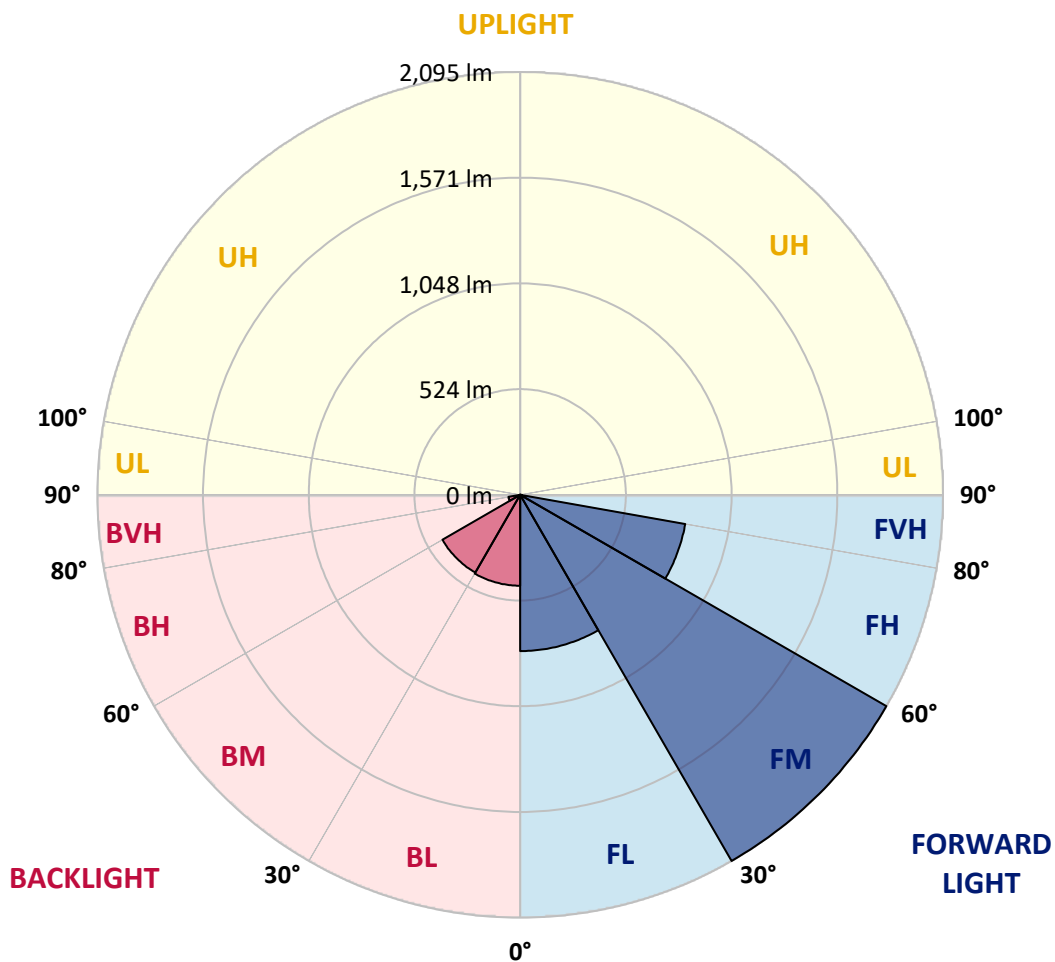
REPORT NUMBER: P290527
 CATALOG NUMBER: AXCS4A-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	774.4	16.6			
FM	(30°-60°)	2095.2	44.9			
FH	(60°-80°)	830.4	17.8			G1/1800
FVH	(80°-90°)	9.0	0.2			G0/10
BL	(0°-30°)	450.4	9.7	B1/500		
BM	(30°-60°)	444.7	9.5	B1/1000		
BH	(60°-80°)	59.0	1.3	B0/110		G0/110
BVH	(80°-90°)	1.6	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-G1

Type III Short





REPORT NUMBER: P290527
 CATALOG NUMBER: AXCS4A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7
2.5°	1618.4	1609.2	1610.5	1605.2	1593.3	1586.7	1576.2	1564.3	1548.5	1541.9	1536.6
5°	1694.9	1688.3	1681.7	1669.8	1656.6	1636.9	1615.8	1592.0	1561.7	1541.9	1530.0
7.5°	1767.4	1759.5	1755.6	1737.1	1713.4	1685.7	1650.0	1614.4	1573.5	1540.6	1523.4
10°	1838.7	1826.8	1821.5	1800.4	1770.1	1733.1	1687.0	1639.5	1585.4	1539.3	1514.2
12.5°	1903.3	1895.4	1884.8	1859.8	1820.2	1776.7	1721.3	1661.9	1594.7	1532.7	1501.0
15°	1974.5	1965.3	1953.4	1921.8	1871.6	1817.6	1755.6	1680.4	1598.6	1524.7	1486.5
17.5°	2043.1	2033.9	2014.1	1981.1	1921.8	1861.1	1784.6	1697.5	1601.2	1512.9	1465.4
20°	2103.8	2094.5	2076.1	2035.2	1973.2	1900.7	1811.0	1710.7	1598.6	1495.7	1441.6
22.5°	2159.2	2153.9	2127.5	2082.7	2016.7	1937.6	1834.7	1721.3	1593.3	1478.6	1419.2
25°	2211.9	2204.0	2181.6	2128.8	2061.6	1969.2	1855.8	1726.5	1589.4	1458.8	1394.2
27.5°	2262.1	2251.5	2227.8	2176.3	2099.8	1998.3	1874.3	1731.8	1582.8	1436.4	1363.8
30°	2305.6	2297.7	2271.3	2215.9	2130.2	2023.3	1891.4	1737.1	1573.5	1412.6	1332.2
32.5°	2337.2	2329.3	2302.9	2247.5	2157.9	2043.1	1902.0	1738.4	1556.4	1382.3	1296.6
35°	2359.7	2351.7	2325.4	2270.0	2177.6	2060.3	1905.9	1731.8	1536.6	1348.0	1259.6
37.5°	2372.8	2368.9	2342.5	2284.5	2192.1	2069.5	1904.6	1720.0	1512.9	1308.4	1216.1
40°	2379.4	2374.2	2351.7	2293.7	2201.4	2070.8	1899.3	1704.1	1482.5	1266.2	1160.7
42.5°	2368.9	2364.9	2343.8	2296.3	2204.0	2062.9	1888.8	1679.1	1440.3	1213.5	1102.7
45°	2332.0	2329.3	2314.8	2281.8	2197.4	2047.1	1863.7	1638.2	1392.8	1156.7	1046.0
47.5°	2287.1	2283.2	2270.0	2246.2	2169.7	2023.3	1828.1	1592.0	1342.7	1094.8	977.4
50°	2223.8	2225.1	2218.5	2196.1	2124.9	1989.0	1775.4	1541.9	1284.7	1030.1	906.1
52.5°	2144.7	2146.0	2149.9	2135.4	2060.3	1933.6	1718.6	1477.3	1220.1	960.2	832.3
55°	2044.4	2040.5	2053.7	2057.6	1995.6	1851.9	1651.4	1406.0	1140.9	881.1	750.5
57.5°	1915.2	1921.8	1942.9	1956.1	1908.6	1747.7	1567.0	1324.3	1048.6	791.4	670.0
60°	1784.6	1799.1	1833.4	1850.5	1796.5	1654.0	1460.1	1222.7	953.6	700.4	589.6
62.5°	1632.9	1631.6	1705.4	1729.2	1647.4	1530.0	1344.0	1118.5	860.0	613.3	501.2
65°	1402.1	1388.9	1490.5	1565.6	1519.5	1399.4	1226.7	1003.7	751.8	526.3	419.4
67.5°	1280.7	1303.2	1305.8	1301.8	1359.9	1275.5	1094.8	878.4	642.3	430.0	337.7
70°	1143.6	1151.5	1271.5	1313.7	1118.5	1102.7	962.9	749.2	523.6	340.3	258.5
72.5°	754.5	769.0	758.4	800.6	1085.5	889.0	834.9	623.9	414.2	265.1	192.6
75°	100.2	91.0	121.3	361.4	554.0	695.1	610.7	482.7	303.4	183.3	127.9
77.5°	43.5	43.5	47.5	52.8	65.9	328.4	464.3	306.0	215.0	108.2	79.1
80°	26.4	27.7	29.0	30.3	31.7	34.3	118.7	193.9	108.2	58.0	36.9
82.5°	15.8	15.8	17.1	17.1	17.1	18.5	19.8	31.7	31.7	17.1	11.9
85°	7.9	7.9	9.2	9.2	9.2	9.2	9.2	9.2	6.6	4.0	4.0
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P290527
 CATALOG NUMBER: AXCS4A-W

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7	1532.7
2.5°	1527.4	1510.2	1497.0	1485.2	1477.3	1462.8	1458.8	1457.5	1454.8	1456.2
5°	1514.2	1486.5	1458.8	1436.4	1416.6	1400.8	1390.2	1381.0	1375.7	1377.0
7.5°	1499.7	1458.8	1419.2	1387.6	1357.2	1338.8	1317.7	1307.1	1299.2	1296.6
10°	1483.9	1429.8	1378.3	1337.4	1296.6	1270.2	1242.5	1225.3	1220.1	1221.4
12.5°	1465.4	1398.1	1334.8	1283.4	1235.9	1199.0	1166.0	1146.2	1135.6	1133.0
15°	1444.3	1365.1	1291.3	1225.3	1169.9	1119.8	1082.9	1057.8	1051.2	1047.3
17.5°	1416.6	1328.2	1245.1	1168.6	1106.6	1046.0	1005.1	974.7	960.2	958.9
20°	1387.6	1287.3	1191.0	1110.6	1031.4	970.8	925.9	886.4	871.8	874.5
22.5°	1358.6	1243.8	1137.0	1043.3	962.9	890.3	837.6	800.6	780.8	786.1
25°	1326.9	1201.6	1082.9	981.3	886.4	811.2	751.8	710.9	692.5	688.5
27.5°	1291.3	1154.1	1026.2	912.7	808.5	729.4	662.1	621.2	598.8	596.2
30°	1253.0	1104.0	966.8	844.1	737.3	646.3	577.7	536.8	509.1	507.8
32.5°	1212.1	1053.9	903.5	770.3	655.5	564.5	490.7	444.5	418.1	416.8
35°	1168.6	993.2	837.6	704.3	579.0	484.1	412.8	358.8	333.7	327.1
37.5°	1115.9	933.8	769.0	627.8	499.9	402.3	331.1	274.3	249.3	244.0
40°	1059.1	870.5	704.3	551.3	428.7	327.1	244.0	188.6	162.2	157.0
42.5°	999.8	798.0	625.2	480.1	354.8	249.3	160.9	130.6	122.7	122.7
45°	936.5	734.7	551.3	402.3	278.3	166.2	121.3	110.8	105.5	104.2
47.5°	862.6	659.5	480.1	333.7	205.8	118.7	104.2	92.3	87.1	87.1
50°	794.0	590.9	408.9	263.8	134.5	101.6	85.7	76.5	72.5	71.2
52.5°	722.8	517.0	344.3	197.8	102.9	84.4	71.2	64.6	60.7	60.7
55°	645.0	445.8	278.3	127.9	85.7	68.6	59.4	54.1	51.4	51.4
57.5°	567.2	379.9	215.0	92.3	69.9	56.7	50.1	44.8	43.5	43.5
60°	492.0	303.4	155.6	73.9	56.7	47.5	40.9	38.3	35.6	35.6
62.5°	411.5	244.0	96.3	59.4	46.2	38.3	34.3	30.3	29.0	29.0
65°	336.3	183.3	65.9	47.5	38.3	31.7	27.7	25.1	23.7	23.7
67.5°	266.4	130.6	50.1	36.9	30.3	26.4	22.4	21.1	19.8	19.8
70°	196.5	85.7	36.9	29.0	23.7	21.1	18.5	17.1	15.8	15.8
72.5°	146.4	43.5	27.7	21.1	18.5	15.8	14.5	13.2	11.9	11.9
75°	92.3	26.4	19.8	15.8	13.2	11.9	10.6	9.2	9.2	9.2
77.5°	52.8	17.1	13.2	10.6	9.2	7.9	7.9	6.6	6.6	6.6
80°	25.1	10.6	7.9	6.6	6.6	5.3	5.3	4.0	4.0	4.0
82.5°	7.9	5.3	4.0	4.0	4.0	2.6	2.6	2.6	2.6	2.6
85°	4.0	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3
87.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	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)