

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: P290525

Luminaire Tested: **AXCS3A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290525
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: AXCS3A
Description: 3A AXCENT SMALL LED WALLPACK WITH 4000K CCT AND 70 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3537 lumens
Efficiency: N/A
Efficacy: 132.0 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 - G0

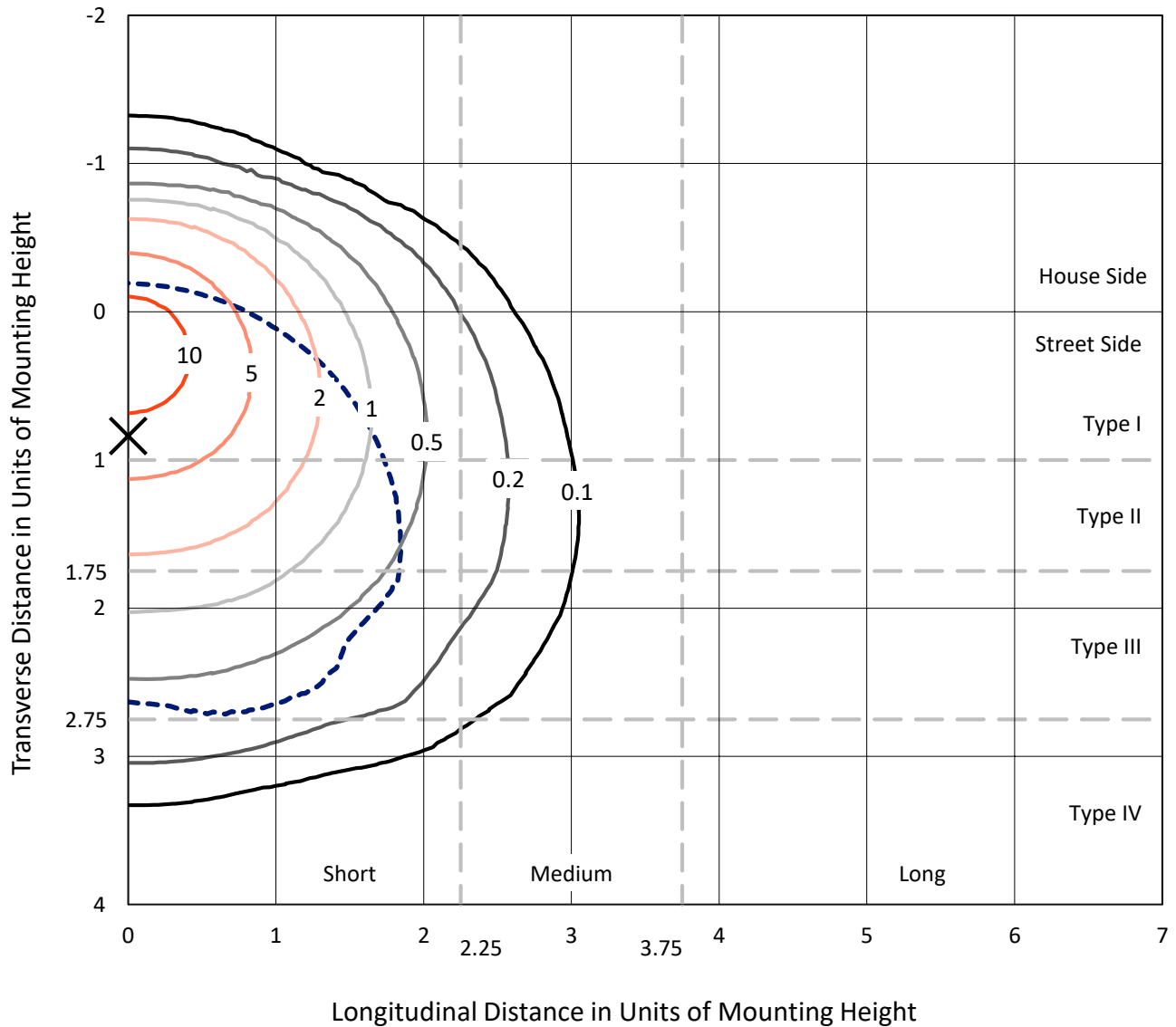
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

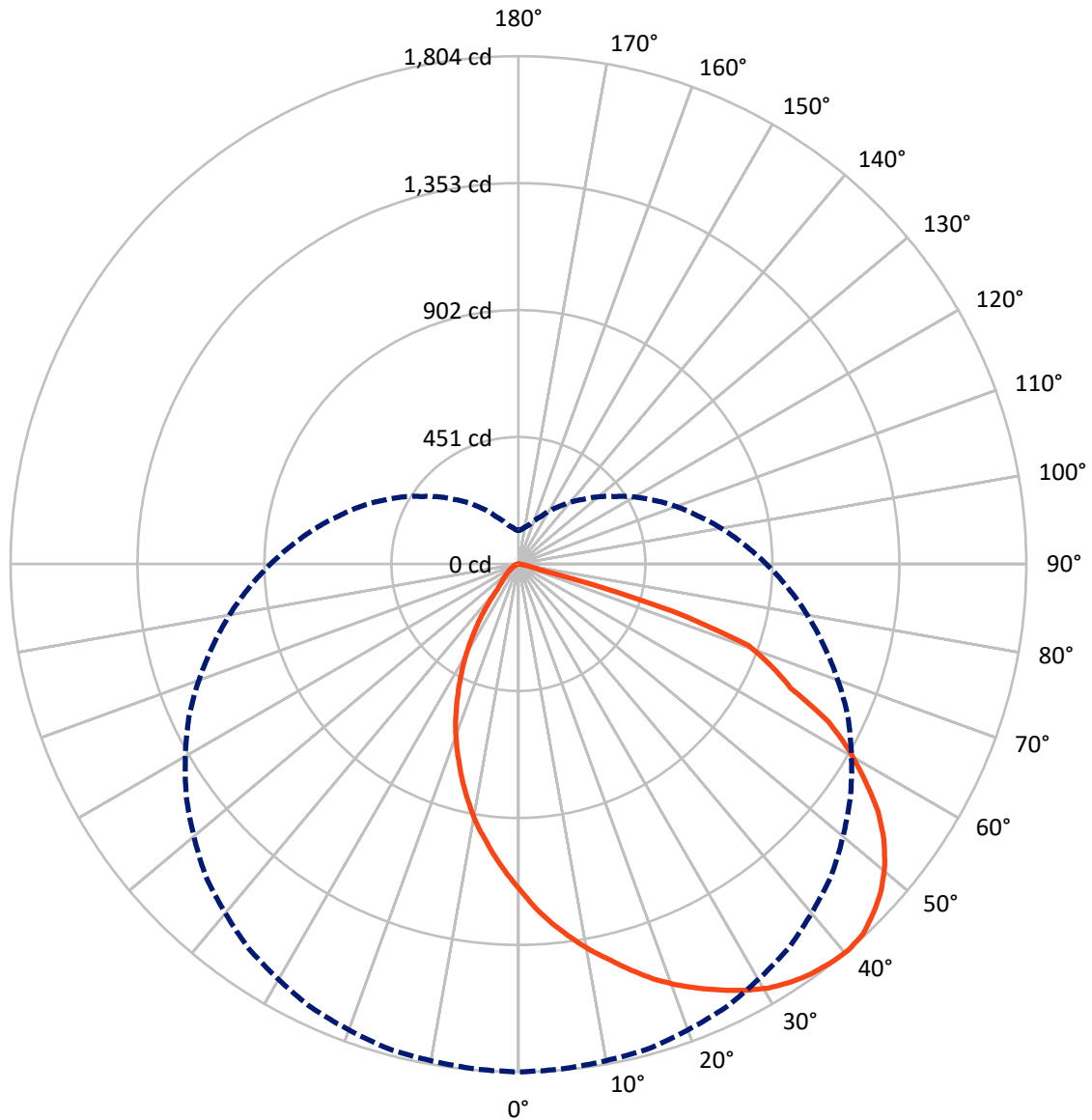
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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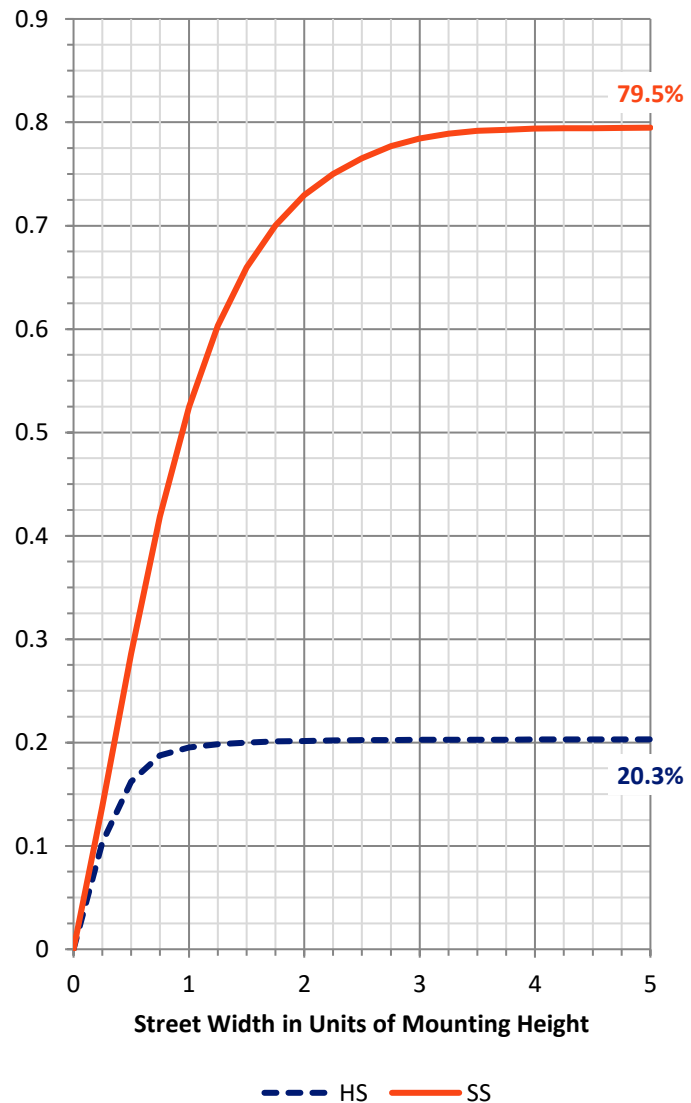
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	724.7	0.0	724.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2812.2	0.0	2812.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	3537.0	0.0	3537.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	3.1
10°-20°	320.4	9.1
20°-30°	498.0	14.1
30°-40°	621.3	17.6
40°-50°	670.4	19.0
50°-60°	634.1	17.9
60°-70°	487.0	13.8
70°-80°	187.4	5.3
80°-90°	8.0	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°	3537.0	100.0
0°-180°	3537.0	100.0



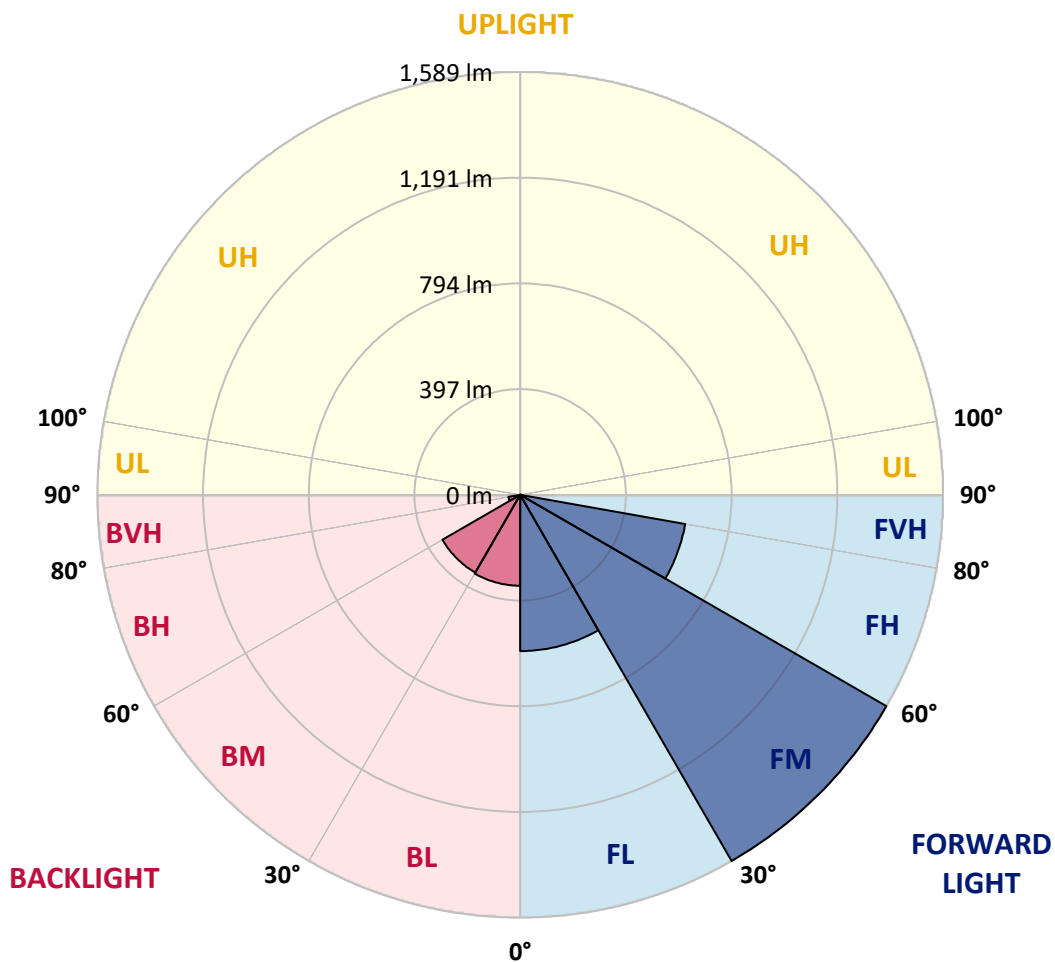
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	587.2	16.6			
FM	(30°-60°)	1588.6	44.9			
FH	(60°-80°)	629.7	17.8			G0/660
FVH	(80°-90°)	6.8	0.2			G0/10
BL	(0°-30°)	341.5	9.7	B1/500		
BM	(30°-60°)	337.2	9.5	B1/1000		
BH	(60°-80°)	44.8	1.3	B0/110		G0/110
BVH	(80°-90°)	1.2	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1
2.5°	1227.1	1220.1	1221.1	1217.1	1208.1	1203.1	1195.1	1186.1	1174.1	1169.1	1165.1
5°	1285.1	1280.1	1275.1	1266.1	1256.1	1241.1	1225.1	1207.1	1184.1	1169.1	1160.1
7.5°	1340.1	1334.1	1331.1	1317.1	1299.1	1278.1	1251.1	1224.1	1193.1	1168.1	1155.1
10°	1394.1	1385.1	1381.1	1365.1	1342.1	1314.1	1279.1	1243.1	1202.1	1167.1	1148.1
12.5°	1443.1	1437.1	1429.1	1410.1	1380.1	1347.1	1305.1	1260.1	1209.1	1162.1	1138.1
15°	1497.1	1490.1	1481.1	1457.1	1419.1	1378.1	1331.1	1274.1	1212.1	1156.1	1127.1
17.5°	1549.2	1542.1	1527.1	1502.1	1457.1	1411.1	1353.1	1287.1	1214.1	1147.1	1111.1
20°	1595.2	1588.2	1574.2	1543.1	1496.1	1441.1	1373.1	1297.1	1212.1	1134.1	1093.1
22.5°	1637.2	1633.2	1613.2	1579.2	1529.1	1469.1	1391.1	1305.1	1208.1	1121.1	1076.1
25°	1677.2	1671.2	1654.2	1614.2	1563.2	1493.1	1407.1	1309.1	1205.1	1106.1	1057.1
27.5°	1715.2	1707.2	1689.2	1650.2	1592.2	1515.1	1421.1	1313.1	1200.1	1089.1	1034.1
30°	1748.2	1742.2	1722.2	1680.2	1615.2	1534.1	1434.1	1317.1	1193.1	1071.1	1010.1
32.5°	1772.2	1766.2	1746.2	1704.2	1636.2	1549.2	1442.1	1318.1	1180.1	1048.1	983.1
35°	1789.2	1783.2	1763.2	1721.2	1651.2	1562.2	1445.1	1313.1	1165.1	1022.1	955.1
37.5°	1799.2	1796.2	1776.2	1732.2	1662.2	1569.2	1444.1	1304.1	1147.1	992.1	922.1
40°	1804.2	1800.2	1783.2	1739.2	1669.2	1570.2	1440.1	1292.1	1124.1	960.1	880.1
42.5°	1796.2	1793.2	1777.2	1741.2	1671.2	1564.2	1432.1	1273.1	1092.1	920.1	836.1
45°	1768.2	1766.2	1755.2	1730.2	1666.2	1552.2	1413.1	1242.1	1056.1	877.1	793.1
47.5°	1734.2	1731.2	1721.2	1703.2	1645.2	1534.1	1386.1	1207.1	1018.1	830.1	741.1
50°	1686.2	1687.2	1682.2	1665.2	1611.2	1508.1	1346.1	1169.1	974.1	781.1	687.1
52.5°	1626.2	1627.2	1630.2	1619.2	1562.2	1466.1	1303.1	1120.1	925.1	728.1	631.1
55°	1550.2	1547.2	1557.2	1560.2	1513.1	1404.1	1252.1	1066.1	865.1	668.1	569.1
57.5°	1452.1	1457.1	1473.1	1483.1	1447.1	1325.1	1188.1	1004.1	795.1	600.1	508.0
60°	1353.1	1364.1	1390.1	1403.1	1362.1	1254.1	1107.1	927.1	723.1	531.1	447.0
62.5°	1238.1	1237.1	1293.1	1311.1	1249.1	1160.1	1019.1	848.1	652.1	465.0	380.0
65°	1063.1	1053.1	1130.1	1187.1	1152.1	1061.1	930.1	761.1	570.1	399.0	318.0
67.5°	971.1	988.1	990.1	987.1	1031.1	967.1	830.1	666.1	487.0	326.0	256.0
70°	867.1	873.1	964.1	996.1	848.1	836.1	730.1	568.1	397.0	258.0	196.0
72.5°	572.1	583.1	575.1	607.1	823.1	674.1	633.1	473.0	314.0	201.0	146.0
75°	76.0	69.0	92.0	274.0	420.0	527.1	463.0	366.0	230.0	139.0	97.0
77.5°	33.0	33.0	36.0	40.0	50.0	249.0	352.0	232.0	163.0	82.0	60.0
80°	20.0	21.0	22.0	23.0	24.0	26.0	90.0	147.0	82.0	44.0	28.0
82.5°	12.0	12.0	13.0	13.0	13.0	14.0	15.0	24.0	24.0	13.0	9.0
85°	6.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	5.0	3.0	3.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1
2.5°	1158.1	1145.1	1135.1	1126.1	1120.1	1109.1	1106.1	1105.1	1103.1	1104.1
5°	1148.1	1127.1	1106.1	1089.1	1074.1	1062.1	1054.1	1047.1	1043.1	1044.1
7.5°	1137.1	1106.1	1076.1	1052.1	1029.1	1015.1	999.1	991.1	985.1	983.1
10°	1125.1	1084.1	1045.1	1014.1	983.1	963.1	942.1	929.1	925.1	926.1
12.5°	1111.1	1060.1	1012.1	973.1	937.1	909.1	884.1	869.1	861.1	859.1
15°	1095.1	1035.1	979.1	929.1	887.1	849.1	821.1	802.1	797.1	794.1
17.5°	1074.1	1007.1	944.1	886.1	839.1	793.1	762.1	739.1	728.1	727.1
20°	1052.1	976.1	903.1	842.1	782.1	736.1	702.1	672.1	661.1	663.1
22.5°	1030.1	943.1	862.1	791.1	730.1	675.1	635.1	607.1	592.1	596.1
25°	1006.1	911.1	821.1	744.1	672.1	615.1	570.1	539.1	525.1	522.1
27.5°	979.1	875.1	778.1	692.1	613.1	553.1	502.0	471.0	454.0	452.0
30°	950.1	837.1	733.1	640.1	559.1	490.0	438.0	407.0	386.0	385.0
32.5°	919.1	799.1	685.1	584.1	497.0	428.0	372.0	337.0	317.0	316.0
35°	886.1	753.1	635.1	534.1	439.0	367.0	313.0	272.0	253.0	248.0
37.5°	846.1	708.1	583.1	476.0	379.0	305.0	251.0	208.0	189.0	185.0
40°	803.1	660.1	534.1	418.0	325.0	248.0	185.0	143.0	123.0	119.0
42.5°	758.1	605.1	474.0	364.0	269.0	189.0	122.0	99.0	93.0	93.0
45°	710.1	557.1	418.0	305.0	211.0	126.0	92.0	84.0	80.0	79.0
47.5°	654.1	500.0	364.0	253.0	156.0	90.0	79.0	70.0	66.0	66.0
50°	602.1	448.0	310.0	200.0	102.0	77.0	65.0	58.0	55.0	54.0
52.5°	548.1	392.0	261.0	150.0	78.0	64.0	54.0	49.0	46.0	46.0
55°	489.0	338.0	211.0	97.0	65.0	52.0	45.0	41.0	39.0	39.0
57.5°	430.0	288.0	163.0	70.0	53.0	43.0	38.0	34.0	33.0	33.0
60°	373.0	230.0	118.0	56.0	43.0	36.0	31.0	29.0	27.0	27.0
62.5°	312.0	185.0	73.0	45.0	35.0	29.0	26.0	23.0	22.0	22.0
65°	255.0	139.0	50.0	36.0	29.0	24.0	21.0	19.0	18.0	18.0
67.5°	202.0	99.0	38.0	28.0	23.0	20.0	17.0	16.0	15.0	15.0
70°	149.0	65.0	28.0	22.0	18.0	16.0	14.0	13.0	12.0	12.0
72.5°	111.0	33.0	21.0	16.0	14.0	12.0	11.0	10.0	9.0	9.0
75°	70.0	20.0	15.0	12.0	10.0	9.0	8.0	7.0	7.0	7.0
77.5°	40.0	13.0	10.0	8.0	7.0	6.0	6.0	5.0	5.0	5.0
80°	19.0	8.0	6.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0
82.5°	6.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
85°	3.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
87.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	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)