

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: P290530

Luminaire Tested: **AXCS5A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-024-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCS5A-W
Description: 5A AXCENT SMALL LED WALLPACK WITH 3000K CCT AND 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5323.9 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

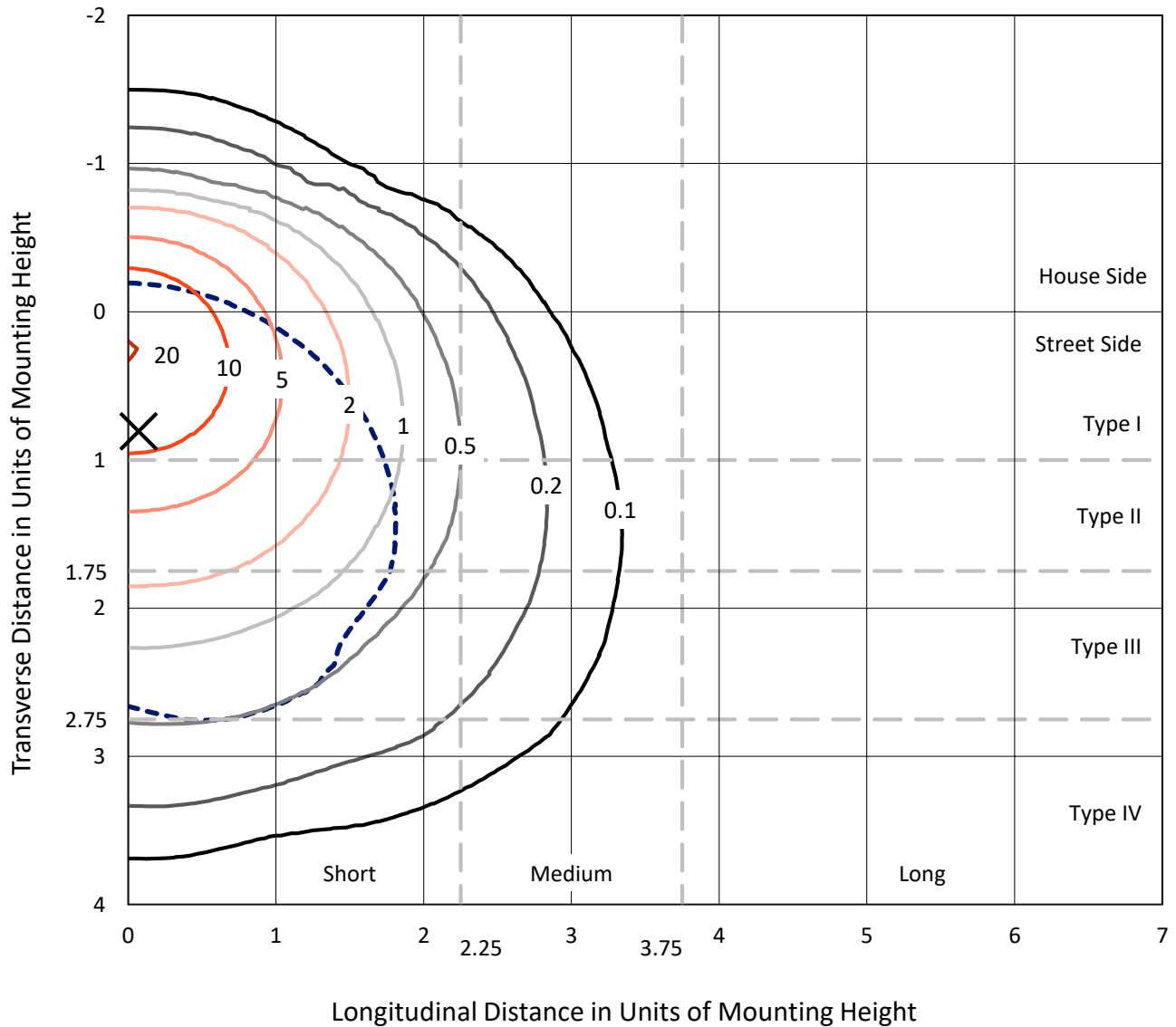
Input Watts (W): 51.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P290530
 CATALOG NUMBER: AXCS5A-W

Iso-Footcandle Lines of Horizontal Illumination

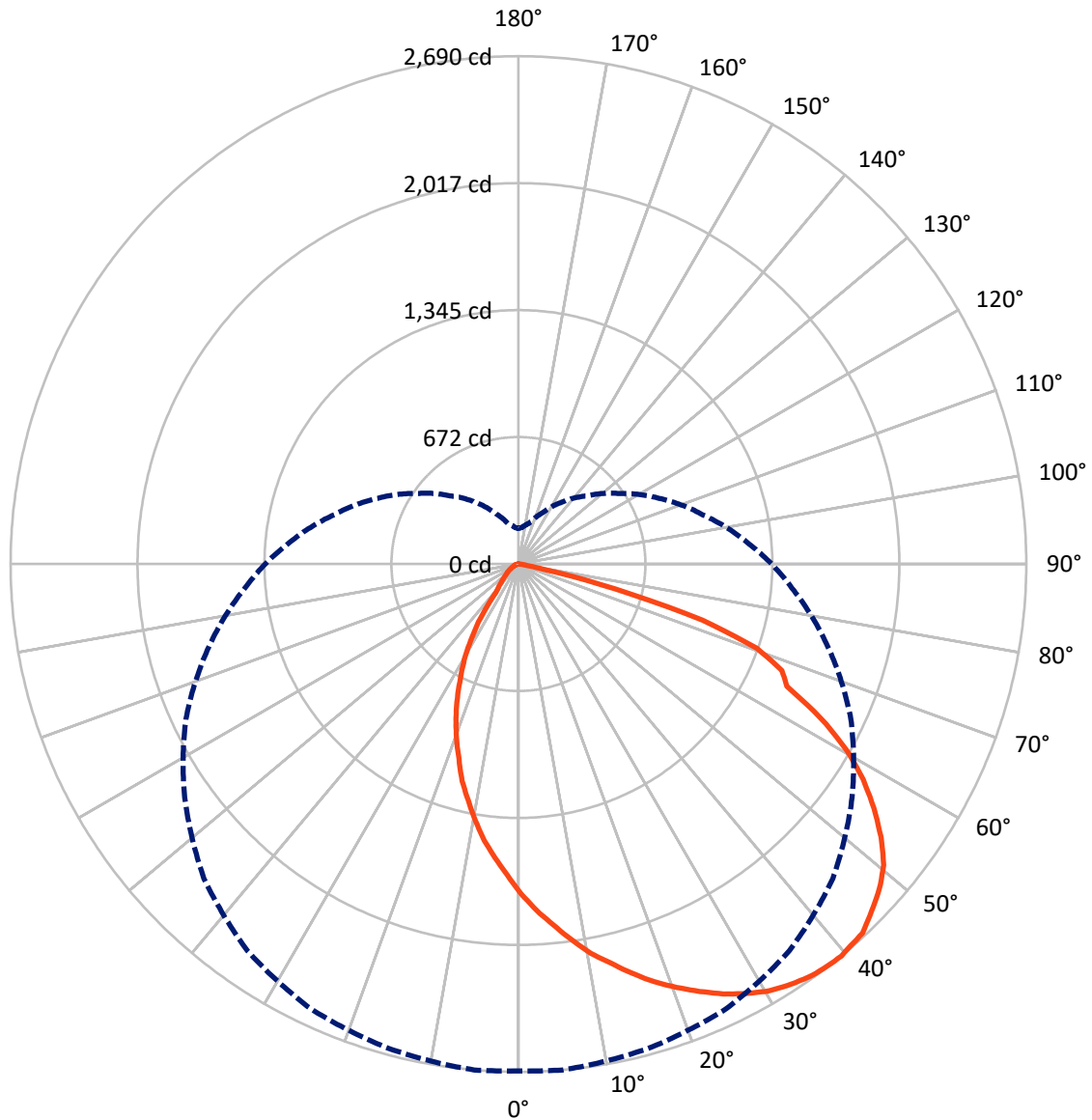
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.3 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P290530
CATALOG NUMBER: AXCS5A-W

Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 39-Deg Vertical

REPORT NUMBER: P290530
 CATALOG NUMBER: AXCS5A-W

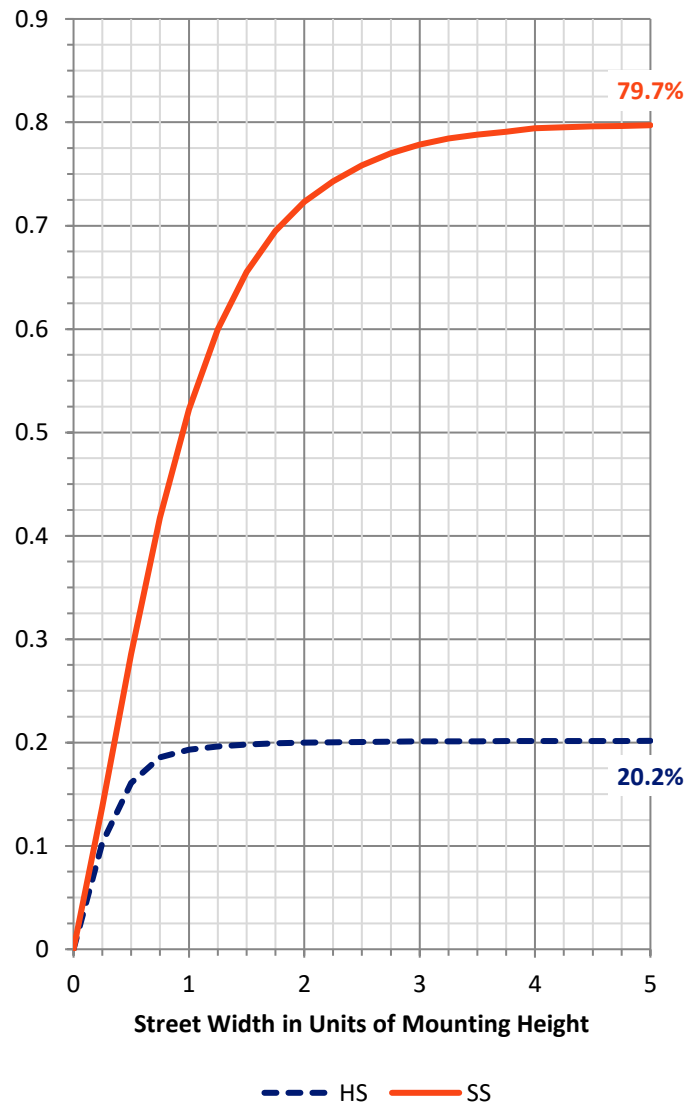
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1083.4	0.0	1083.4
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	4240.5	0.0	4240.5
	% Fixture	79.6	0.0	79.6
Total	Lumens	5323.9	0.0	5323.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.7	3.1
10°-20°	480.9	9.0
20°-30°	747.4	14.0
30°-40°	929.1	17.5
40°-50°	999.1	18.8
50°-60°	942.1	17.7
60°-70°	718.9	13.5
70°-80°	322.8	6.1
80°-90°	17.9	0.3
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°	5323.9	100.0
0°-180°	5323.9	100.0



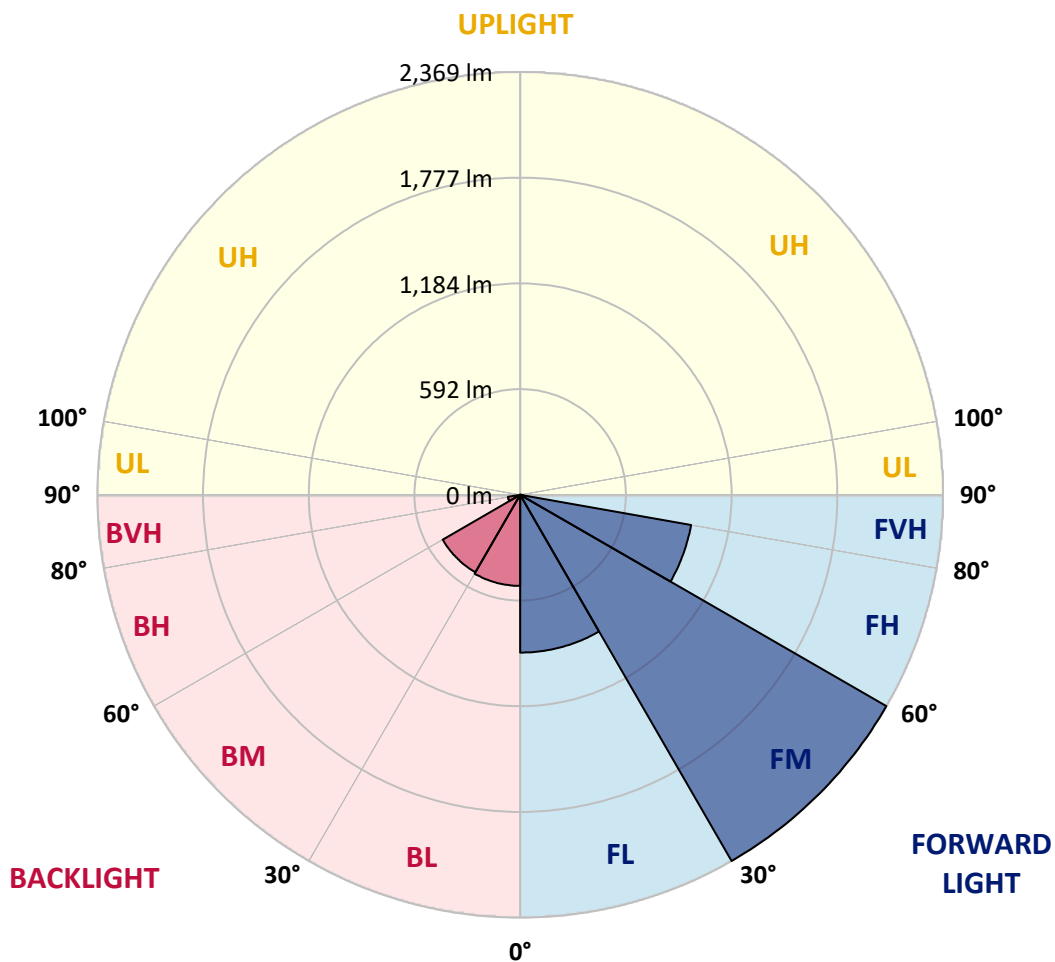
REPORT NUMBER: P290530
 CATALOG NUMBER: AXCS5A-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	884.0	16.6			
FM	(30°-60°)	2368.9	44.5			
FH	(60°-80°)	972.1	18.3			G1/1800
FVH	(80°-90°)	15.6	0.3			G1/100
BL	(0°-30°)	510.1	9.6	B2/1000		
BM	(30°-60°)	501.4	9.4	B1/1000		
BH	(60°-80°)	69.6	1.3	B0/110		G0/110
BVH	(80°-90°)	2.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





REPORT NUMBER: P290530
 CATALOG NUMBER: AXCS5A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8
2.5°	1842.2	1837.2	1838.9	1829.6	1819.4	1804.2	1794.1	1783.9	1764.5	1755.2	1748.4
5°	1936.0	1919.1	1919.1	1904.8	1882.8	1865.9	1841.4	1814.4	1784.8	1760.3	1743.4
7.5°	2012.9	2007.9	1999.4	1984.2	1950.4	1923.4	1888.7	1846.5	1798.3	1763.7	1736.6
10°	2094.9	2095.8	2078.0	2052.7	2021.4	1978.3	1928.4	1871.0	1810.1	1756.9	1725.6
12.5°	2177.7	2168.4	2155.8	2119.4	2079.7	2026.5	1965.6	1893.8	1817.7	1749.3	1708.7
15°	2255.5	2248.7	2225.9	2190.4	2143.1	2077.2	1996.9	1914.9	1822.8	1734.9	1689.3
17.5°	2338.3	2326.5	2304.5	2259.7	2202.2	2127.9	2034.9	1931.8	1824.5	1714.6	1669.0
20°	2400.8	2394.1	2372.1	2323.1	2254.6	2170.1	2065.3	1948.7	1823.7	1707.0	1644.5
22.5°	2466.7	2459.1	2434.6	2382.2	2305.3	2213.2	2089.8	1962.2	1819.4	1684.2	1614.9
25°	2525.1	2522.5	2496.3	2442.2	2352.7	2247.9	2111.0	1972.4	1812.7	1661.4	1585.3
27.5°	2579.1	2576.6	2544.5	2487.0	2401.7	2280.8	2140.6	1977.5	1805.1	1635.2	1552.4
30°	2625.6	2623.1	2591.8	2531.8	2440.5	2309.6	2155.8	1972.4	1790.7	1605.6	1513.5
32.5°	2656.0	2653.5	2624.8	2562.2	2467.6	2329.0	2163.4	1972.4	1772.9	1569.3	1472.1
35°	2678.9	2677.2	2645.9	2586.7	2489.6	2345.9	2169.3	1964.8	1748.4	1530.4	1424.8
37.5°	2687.3	2687.3	2655.2	2597.7	2496.3	2355.2	2162.5	1953.8	1715.5	1485.6	1373.2
39°	2684.8	2689.8	2656.0	2600.3	2501.4	2355.2	2157.5	1942.8	1697.7	1453.5	1341.1
40°	2684.8	2682.2	2655.2	2600.3	2498.9	2350.1	2150.7	1931.0	1679.1	1436.6	1314.1
42.5°	2665.3	2672.9	2645.1	2595.2	2493.8	2338.3	2132.9	1905.6	1636.9	1383.4	1257.5
45°	2626.5	2623.1	2607.9	2568.2	2475.2	2319.7	2106.7	1869.3	1587.0	1320.8	1190.7
47.5°	2574.1	2572.4	2553.8	2525.9	2436.3	2285.1	2066.2	1812.7	1532.9	1247.3	1114.6
50°	2501.4	2507.3	2496.3	2468.4	2385.6	2236.0	2013.8	1755.2	1459.4	1172.1	1041.1
52.5°	2403.4	2404.2	2405.1	2399.1	2314.6	2170.1	1949.6	1684.2	1383.4	1094.4	950.7
55°	2291.8	2285.1	2300.3	2302.0	2233.5	2080.6	1865.9	1596.3	1294.6	998.0	859.4
57.5°	2150.7	2152.4	2169.3	2196.3	2122.8	1981.7	1761.1	1491.5	1194.9	905.1	766.5
60°	1985.1	1995.2	2032.4	2056.0	1989.3	1850.7	1642.8	1388.4	1088.4	799.4	672.7
62.5°	1793.2	1796.6	1863.4	1891.3	1836.3	1713.8	1516.9	1267.6	976.9	698.0	582.3
65°	1549.0	1561.7	1617.5	1684.2	1678.3	1553.2	1378.3	1140.8	855.2	590.7	481.7
67.5°	1489.0	1505.1	1489.0	1456.9	1474.6	1402.0	1228.7	991.3	725.1	489.3	392.1
70°	1297.2	1339.4	1445.9	1445.9	1263.4	1187.3	1071.5	845.9	594.1	382.8	294.9
72.5°	988.7	1019.1	1021.7	1002.2	1202.5	1003.1	916.1	692.1	467.3	294.1	227.3
75°	523.9	529.9	485.9	643.9	796.9	869.6	705.6	548.4	349.0	206.2	154.6
77.5°	114.1	133.5	193.5	379.4	385.3	513.8	560.3	384.5	243.4	128.4	94.6
80°	43.1	44.8	48.2	50.7	60.8	195.2	229.0	258.6	131.0	69.3	46.5
82.5°	26.2	26.2	27.9	28.7	30.4	32.1	40.6	74.4	49.9	22.8	16.1
85°	13.5	13.5	14.4	15.2	16.1	15.2	16.1	13.5	9.3	6.8	5.1
87.5°	5.1	5.1	5.1	5.9	5.9	5.9	5.1	4.2	3.4	3.4	2.5
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: P290530
 CATALOG NUMBER: AXCS5A-W

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8	1746.8
2.5°	1744.2	1720.6	1702.0	1690.1	1675.8	1664.8	1660.6	1654.6	1649.6	1649.6
5°	1730.7	1695.2	1657.2	1634.4	1615.8	1592.9	1576.9	1570.1	1562.5	1564.2
7.5°	1710.4	1661.4	1614.9	1580.3	1544.8	1517.7	1493.2	1481.4	1476.3	1475.5
10°	1690.1	1627.6	1566.8	1517.7	1472.9	1437.5	1409.6	1386.8	1378.3	1377.5
12.5°	1668.2	1592.1	1516.0	1458.6	1405.3	1356.3	1319.1	1293.0	1278.6	1286.2
15°	1644.5	1553.2	1464.5	1392.7	1325.9	1269.3	1227.0	1199.1	1188.2	1191.5
17.5°	1616.6	1507.6	1407.9	1324.2	1249.0	1186.5	1137.5	1098.6	1078.3	1083.4
20°	1584.5	1458.6	1348.7	1254.1	1165.3	1093.5	1039.4	1002.2	980.3	977.7
22.5°	1543.9	1412.1	1287.0	1183.1	1085.9	1004.8	946.5	904.2	881.4	876.3
25°	1505.1	1360.6	1226.2	1107.9	1002.2	911.8	847.6	800.3	779.2	776.6
27.5°	1466.2	1308.2	1159.4	1030.1	915.2	819.7	747.0	703.9	674.4	673.5
30°	1420.6	1247.3	1090.1	947.3	825.6	731.8	650.7	602.5	580.6	567.9
32.5°	1374.9	1188.2	1017.5	874.6	745.3	633.0	554.4	501.1	475.8	464.8
35°	1318.3	1124.8	943.1	785.9	651.5	543.4	458.0	402.3	371.8	365.1
37.5°	1265.1	1054.6	867.9	704.8	564.5	456.3	365.1	290.7	255.2	246.8
39°	1225.3	1009.9	823.1	651.5	510.4	399.7	298.3	223.9	193.5	189.3
40°	1198.3	982.8	785.9	621.1	479.2	362.5	252.7	190.1	173.2	171.5
42.5°	1133.2	906.8	706.5	538.3	398.9	252.7	171.5	153.8	145.4	146.2
45°	1062.2	829.0	628.7	455.5	300.8	169.9	142.8	130.1	121.7	122.5
47.5°	989.6	748.7	543.4	373.5	202.8	139.4	122.5	108.2	102.3	101.4
50°	906.8	667.6	465.6	291.5	142.0	116.6	101.4	91.3	87.0	86.2
52.5°	816.3	586.5	391.3	200.3	118.3	98.0	84.5	77.7	75.2	75.2
55°	737.7	505.3	311.0	131.8	99.7	82.0	71.8	67.6	64.2	64.2
57.5°	650.7	422.5	240.8	103.9	83.7	69.3	62.5	57.5	54.1	53.2
60°	556.9	344.8	160.6	85.4	68.5	58.3	52.4	48.2	44.8	44.8
62.5°	468.2	273.8	98.9	70.1	57.5	49.9	44.8	39.7	38.0	37.2
65°	385.3	204.5	75.2	56.6	47.3	41.4	37.2	33.8	32.1	32.1
67.5°	302.5	146.2	58.3	46.5	38.9	34.6	30.4	27.9	27.0	26.2
70°	227.3	84.5	44.8	36.3	31.3	27.9	24.5	22.8	22.0	22.0
72.5°	160.6	47.3	33.8	27.9	25.4	22.0	20.3	18.6	17.7	16.9
75°	105.6	31.3	25.4	21.1	19.4	16.9	15.2	14.4	13.5	12.7
77.5°	60.0	21.1	16.9	15.2	14.4	12.7	11.0	10.1	10.1	9.3
80°	27.9	12.7	11.0	10.1	9.3	8.5	7.6	6.8	6.8	5.9
82.5°	11.0	7.6	6.8	5.9	5.9	5.1	5.1	4.2	4.2	4.2
85°	4.2	4.2	3.4	3.4	2.5	2.5	2.5	2.5	1.7	1.7
87.5°	2.5	2.5	2.5	1.7	1.7	1.7	0.8	0.8	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)