

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: P290545

Luminaire Tested: **AXCS5A-W-GRF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290545
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: AXCS5A-W-GRF
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: 4698.7 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

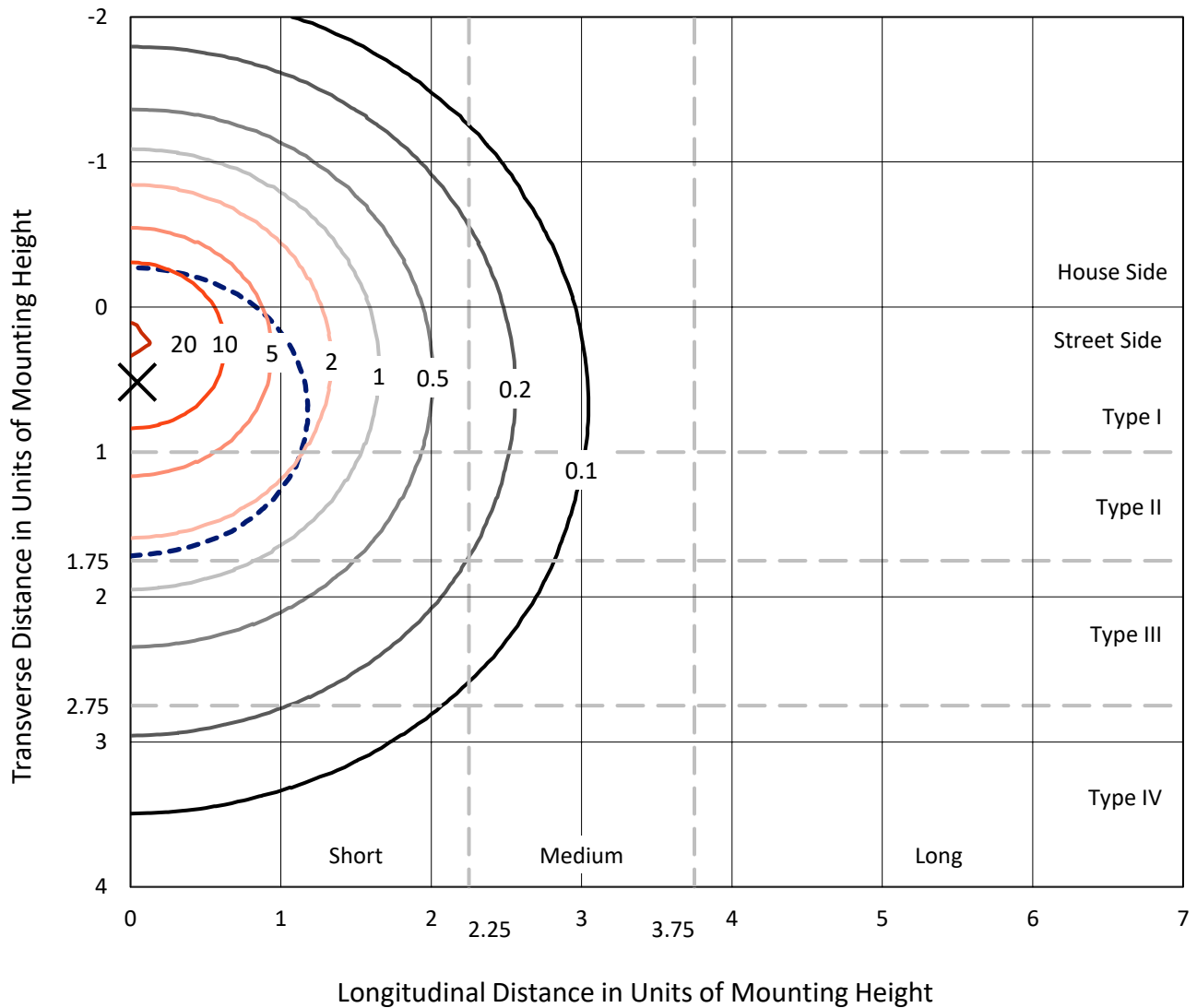
Input Watts (W): 51.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

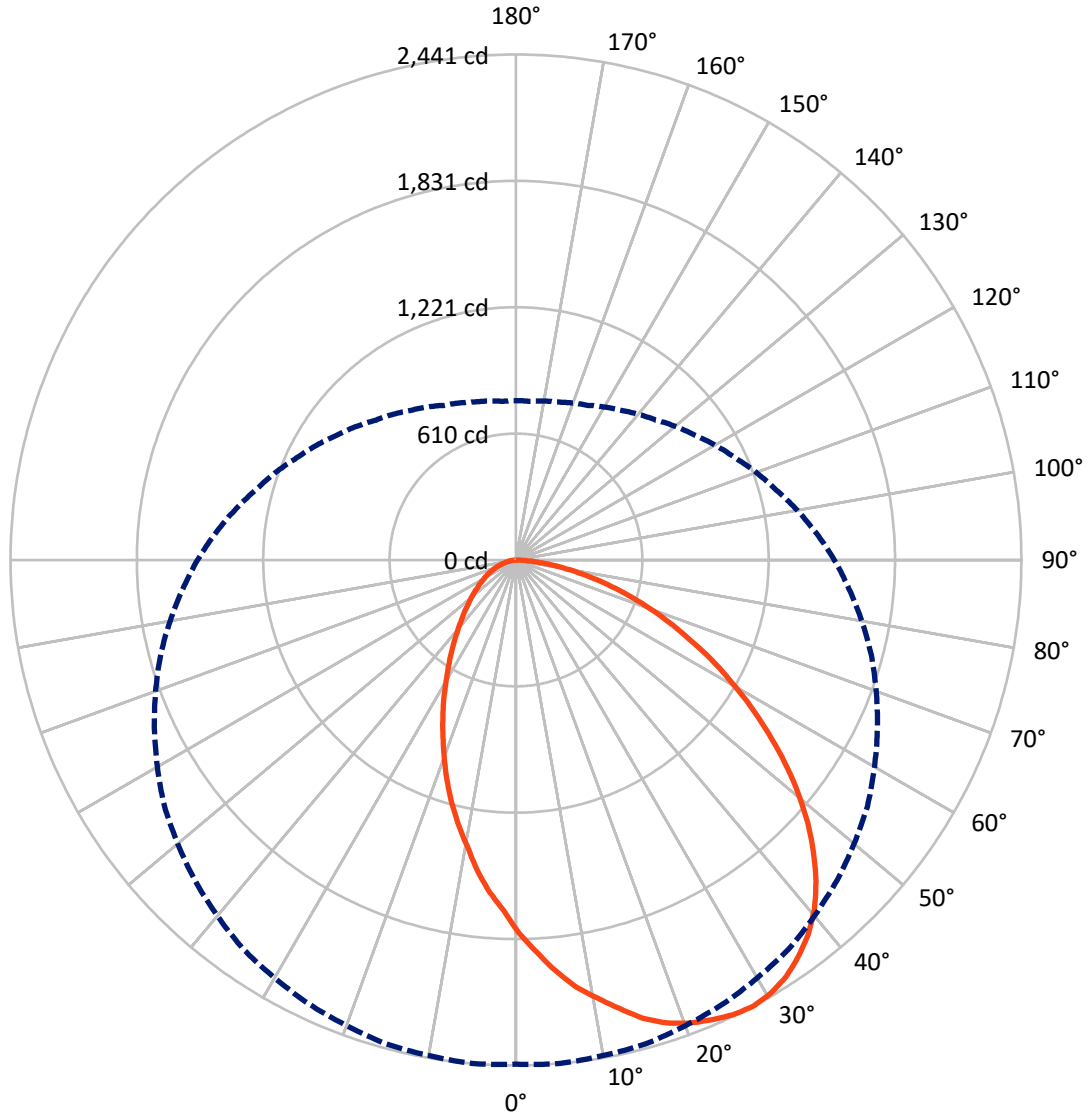
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.8 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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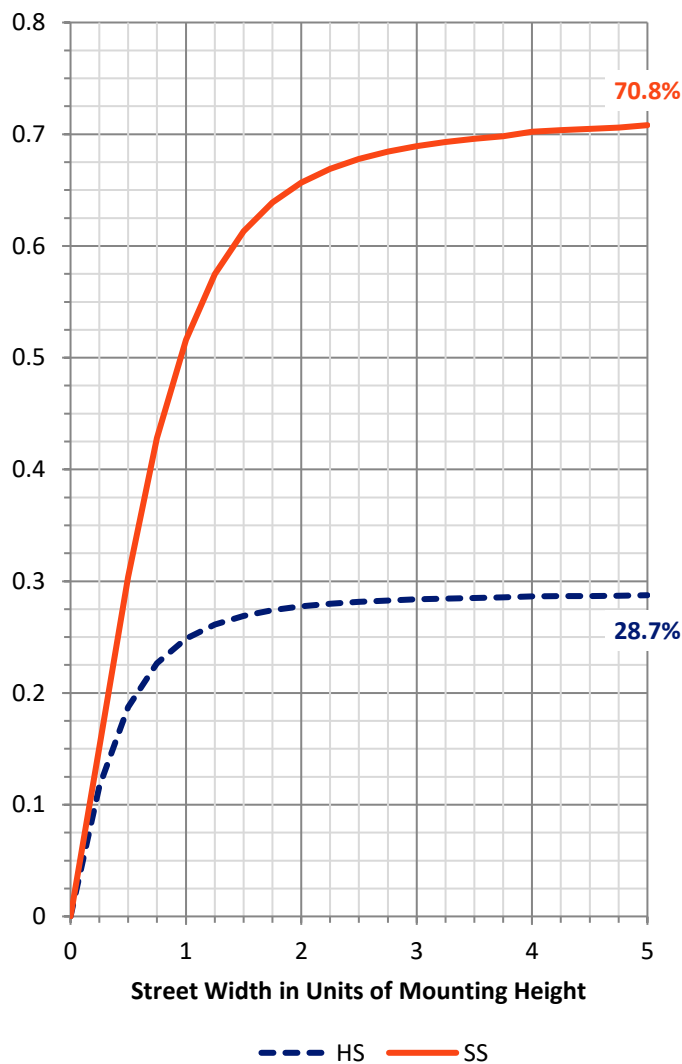
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1361.6	0.0	1361.6
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	3337.1	0.0	3337.1
	% Fixture	71.0	0.0	71.0
Total	Lumens	4698.7	0.0	4698.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	3.6
10°-20°	492.6	10.5
20°-30°	743.6	15.8
30°-40°	880.3	18.7
40°-50°	873.8	18.6
50°-60°	728.4	15.5
60°-70°	502.1	10.7
70°-80°	255.0	5.4
80°-90°	51.9	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°	4698.7	100.0
0°-180°	4698.7	100.0

Coefficient of Utilization

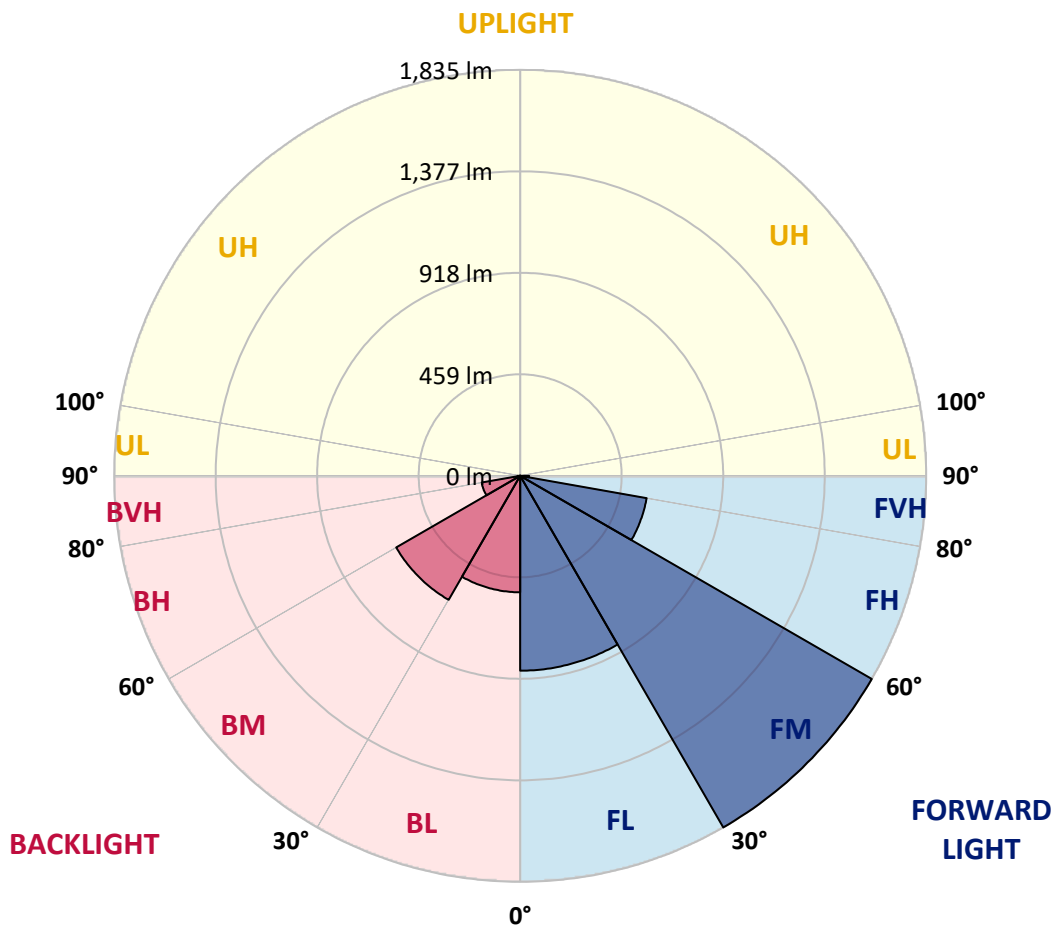


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	880.8	18.7			
FM (30°-60°)	1835.4	39.1			
FH (60°-80°)	580.5	12.4			G0/660
FVH (80°-90°)	40.3	0.9			G1/100
BL (0°-30°)	526.5	11.2	B2/1000		
BM (30°-60°)	647.0	13.8	B1/1000		
BH (60°-80°)	176.5	3.8	B1/500		G1/500
BVH (80°-90°)	11.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4
2.5°	1905.2	1894.6	1890.8	1880.2	1876.4	1865.8	1855.2	1841.8	1825.5	1813.0	1802.4
5°	2001.2	1992.6	1986.8	1973.3	1957.0	1932.1	1911.9	1885.0	1850.4	1823.5	1805.3
7.5°	2090.5	2081.9	2069.4	2044.4	2025.2	1993.5	1958.9	1915.7	1866.8	1824.5	1797.6
10°	2156.8	2151.0	2135.6	2107.8	2080.9	2036.7	1990.6	1934.0	1870.6	1808.2	1777.5
12.5°	2228.8	2223.0	2204.8	2174.0	2134.7	2081.9	2025.2	1954.1	1877.3	1798.6	1757.3
15°	2301.8	2297.0	2277.8	2241.3	2193.2	2133.7	2060.7	1975.3	1883.1	1789.0	1740.0
17.5°	2355.5	2350.7	2333.4	2291.2	2240.3	2167.3	2083.8	1986.8	1876.4	1766.9	1712.2
20°	2393.9	2388.2	2370.9	2322.9	2266.2	2186.5	2088.6	1979.1	1855.2	1735.2	1673.7
22.5°	2414.1	2413.1	2396.8	2343.0	2281.6	2193.2	2088.6	1965.7	1831.2	1700.6	1631.5
25°	2429.5	2433.3	2414.1	2358.4	2295.0	2195.2	2083.8	1948.4	1807.2	1659.3	1586.4
27.5°	2435.2	2441.0	2419.9	2366.1	2295.0	2191.3	2072.3	1926.3	1776.5	1615.2	1537.4
30°	2422.8	2427.6	2405.5	2355.5	2279.7	2174.0	2044.4	1892.7	1733.3	1562.4	1479.8
32.5°	2391.1	2397.8	2372.8	2324.8	2249.9	2139.5	2007.0	1846.6	1681.4	1503.8	1417.4
35°	2350.7	2350.7	2329.6	2284.5	2207.7	2093.4	1959.9	1794.7	1622.8	1437.5	1350.1
37.5°	2289.3	2293.1	2272.0	2229.7	2152.0	2036.7	1902.3	1736.2	1558.5	1371.3	1282.0
40°	2214.4	2219.2	2197.1	2158.7	2082.8	1973.3	1830.3	1668.9	1485.5	1299.2	1210.9
42.5°	2130.8	2125.1	2109.7	2069.4	1996.4	1890.8	1747.7	1589.2	1408.7	1223.4	1135.0
45°	2022.3	2015.6	2005.0	1960.9	1898.4	1792.8	1660.3	1501.9	1323.2	1141.8	1056.3
47.5°	1907.1	1895.6	1888.8	1848.5	1789.0	1688.1	1558.5	1403.9	1234.9	1060.1	979.5
50°	1771.7	1765.0	1750.6	1722.7	1667.0	1578.7	1444.2	1305.0	1137.9	974.7	899.8
52.5°	1632.5	1625.7	1613.2	1590.2	1537.4	1456.7	1332.8	1201.3	1047.7	890.2	820.1
55°	1492.3	1480.7	1470.2	1452.9	1405.8	1326.1	1223.4	1094.7	952.6	809.5	744.2
57.5°	1346.3	1337.7	1329.0	1313.6	1271.4	1204.2	1105.3	988.1	859.4	728.8	669.3
60°	1203.2	1195.5	1188.8	1176.3	1137.0	1077.4	989.1	882.5	763.4	653.0	596.3
62.5°	1063.0	1060.1	1050.5	1040.0	1003.5	953.5	873.8	779.7	678.9	576.2	526.2
65°	926.7	916.1	918.0	909.4	876.7	832.6	761.5	677.9	594.4	503.2	459.0
67.5°	795.1	792.2	783.6	776.9	753.8	715.4	653.0	582.9	512.8	433.1	394.7
70°	668.3	667.4	661.6	654.9	634.7	603.0	551.2	492.6	429.2	364.9	333.2
72.5°	548.3	547.4	541.6	536.8	519.5	495.5	457.1	404.3	357.2	300.6	277.5
75°	436.0	435.0	429.2	425.4	412.9	394.7	363.9	320.7	284.2	238.1	218.9
77.5°	329.4	329.4	328.4	321.7	312.1	297.7	275.6	244.9	213.2	179.6	166.1
80°	231.4	229.5	229.5	224.7	217.0	208.4	192.1	171.9	149.8	125.8	117.2
82.5°	146.0	145.0	144.0	140.2	135.4	130.6	120.0	107.5	94.1	78.7	73.0
85°	73.9	73.9	73.0	70.1	67.2	65.3	57.6	53.8	47.1	39.4	36.5
87.5°	22.1	20.2	22.1	20.2	19.2	19.2	16.3	15.4	13.4	10.6	10.6
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°	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4
2.5°	1793.8	1771.7	1753.4	1734.2	1721.8	1707.4	1705.4	1696.8	1693.9	1688.1
5°	1789.0	1747.7	1719.8	1686.2	1661.3	1636.3	1625.7	1614.2	1609.4	1599.8
7.5°	1774.6	1717.0	1673.7	1627.7	1590.2	1557.6	1541.2	1522.0	1515.3	1510.5
10°	1745.8	1674.7	1616.1	1556.6	1508.6	1469.2	1444.2	1421.2	1407.7	1408.7
12.5°	1718.9	1634.4	1563.3	1489.4	1432.7	1383.7	1353.0	1328.0	1316.5	1314.6
15°	1692.9	1593.1	1509.5	1427.0	1356.9	1308.8	1266.6	1237.8	1224.3	1227.2
17.5°	1656.5	1543.1	1448.1	1356.9	1280.0	1222.4	1175.4	1147.5	1128.3	1121.6
20°	1612.3	1485.5	1377.0	1280.0	1197.5	1129.3	1079.3	1050.5	1031.3	1025.6
22.5°	1561.4	1425.0	1306.9	1201.3	1111.0	1040.9	989.1	957.4	939.1	932.4
25°	1509.5	1363.6	1237.8	1126.4	1034.2	957.4	903.6	870.0	851.8	843.1
27.5°	1457.7	1302.1	1167.7	1052.5	955.5	882.5	823.9	789.3	769.2	769.2
30°	1395.3	1234.9	1096.6	977.6	878.6	806.6	746.1	711.6	687.6	691.4
32.5°	1329.0	1163.8	1024.6	904.6	804.7	732.7	672.2	638.6	617.5	612.6
35°	1261.8	1094.7	954.5	832.6	735.6	660.7	605.9	572.3	553.1	549.3
37.5°	1193.6	1025.6	884.4	765.3	670.3	598.2	545.4	512.8	495.5	495.5
40°	1122.6	953.5	817.2	702.0	607.8	540.6	490.7	460.0	442.7	442.7
42.5°	1048.6	885.4	752.8	639.5	551.2	489.7	441.7	412.9	395.6	395.6
45°	971.8	817.2	687.6	582.9	499.3	438.8	395.6	367.8	354.3	355.3
47.5°	896.9	750.9	628.0	529.1	452.3	395.6	355.3	330.3	317.8	316.9
50°	823.9	683.7	574.2	479.2	408.1	357.2	319.8	296.7	284.2	284.2
52.5°	750.0	621.3	519.5	432.1	366.8	321.7	287.1	266.0	254.5	254.5
55°	677.9	560.8	467.6	388.9	332.3	288.1	257.4	237.2	226.6	226.6
57.5°	608.8	502.2	419.6	347.6	296.7	259.3	227.6	211.3	202.6	201.7
60°	542.6	447.5	374.5	309.2	264.1	228.5	202.6	188.2	179.6	179.6
62.5°	479.2	394.7	328.4	273.7	231.4	201.7	179.6	167.1	160.4	159.4
65°	417.7	344.7	287.1	239.1	202.6	176.7	157.5	145.0	139.2	139.2
67.5°	359.1	297.7	246.8	203.6	174.8	152.7	136.4	125.8	120.0	121.0
70°	303.4	246.8	207.4	172.8	147.9	128.7	115.2	106.6	102.7	101.8
72.5°	248.7	204.5	170.0	143.1	122.0	106.6	96.0	88.3	85.5	84.5
75°	195.9	160.4	134.4	113.3	97.0	84.5	75.9	70.1	68.2	67.2
77.5°	147.9	119.1	99.9	85.5	73.0	64.3	57.6	52.8	50.9	50.9
80°	102.7	80.7	69.1	59.5	50.9	45.1	40.3	36.5	35.5	35.5
82.5°	62.4	48.0	41.3	36.5	31.7	27.8	24.0	22.1	22.1	21.1
85°	29.8	22.1	20.2	17.3	14.4	12.5	11.5	10.6	9.6	9.6
87.5°	7.7	5.8	4.8	3.8	2.9	2.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)