

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: P290528

Luminaire Tested: **AXCS4A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290528  
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  
Description: 4A AXCENT SMALL LED WALLPACK WITH 4000K CCT AND 70 CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5520 lumens  
Efficiency: N/A  
Efficacy: 126.3 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

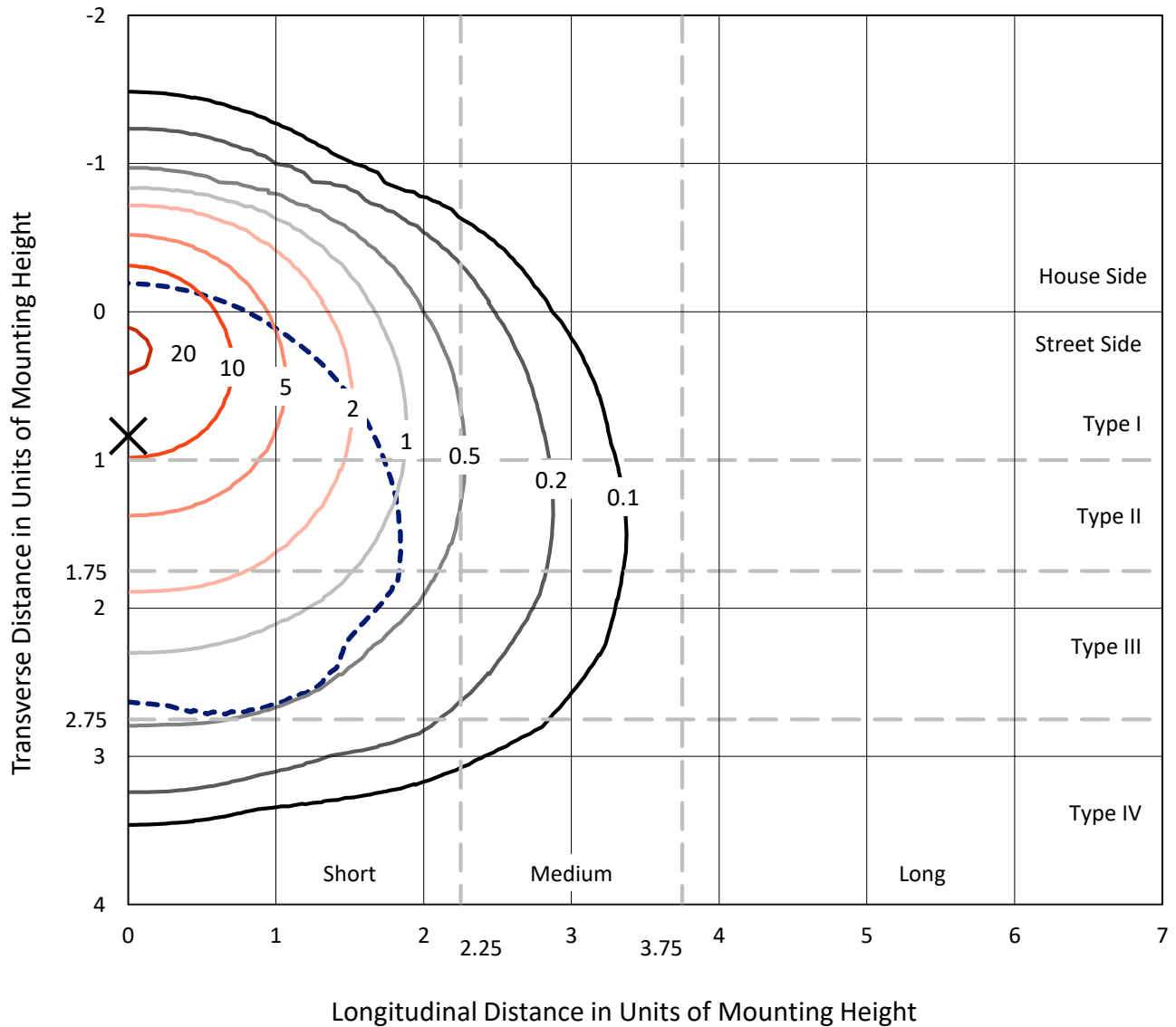
Input Watts (W): 43.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

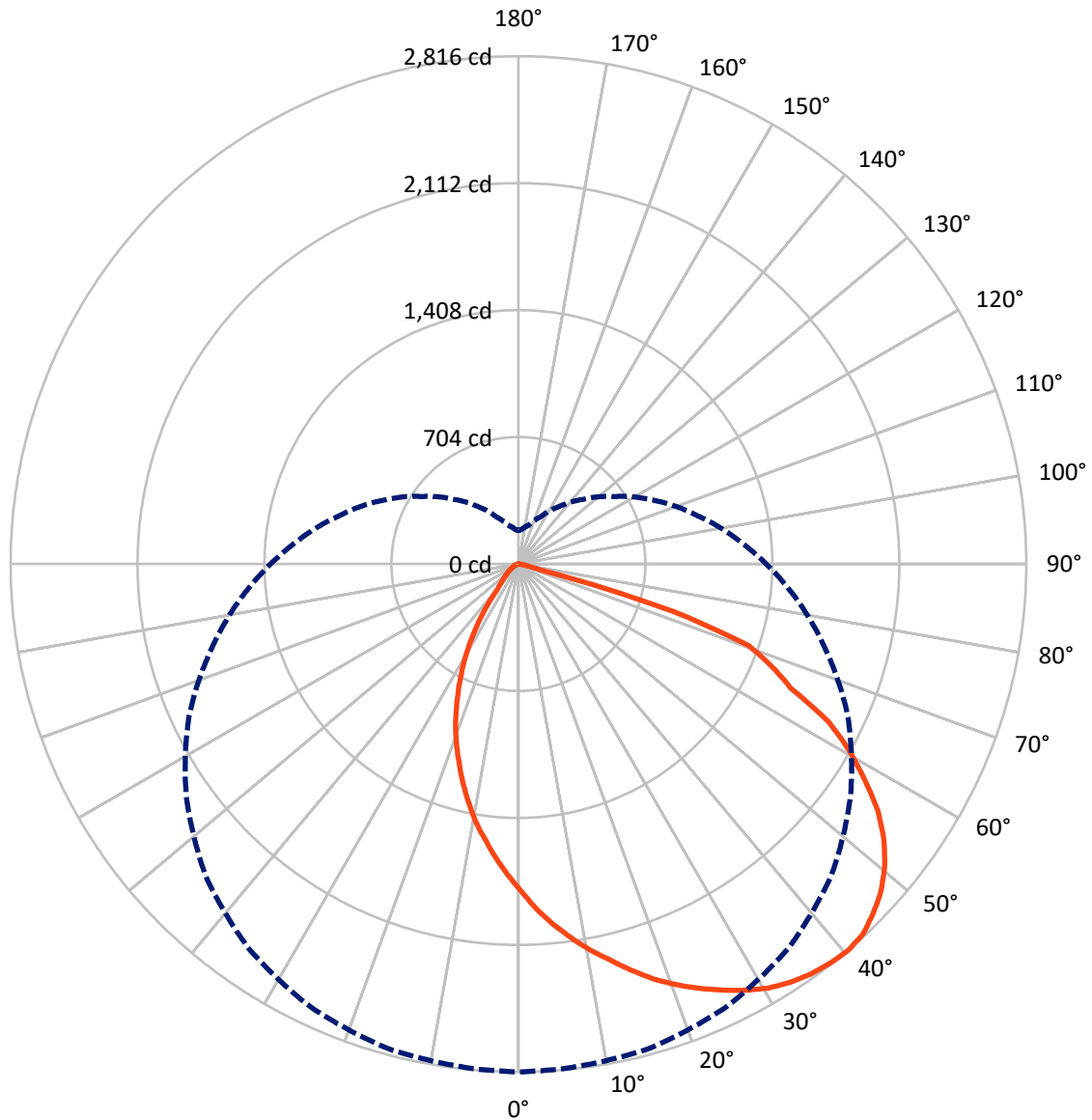
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21 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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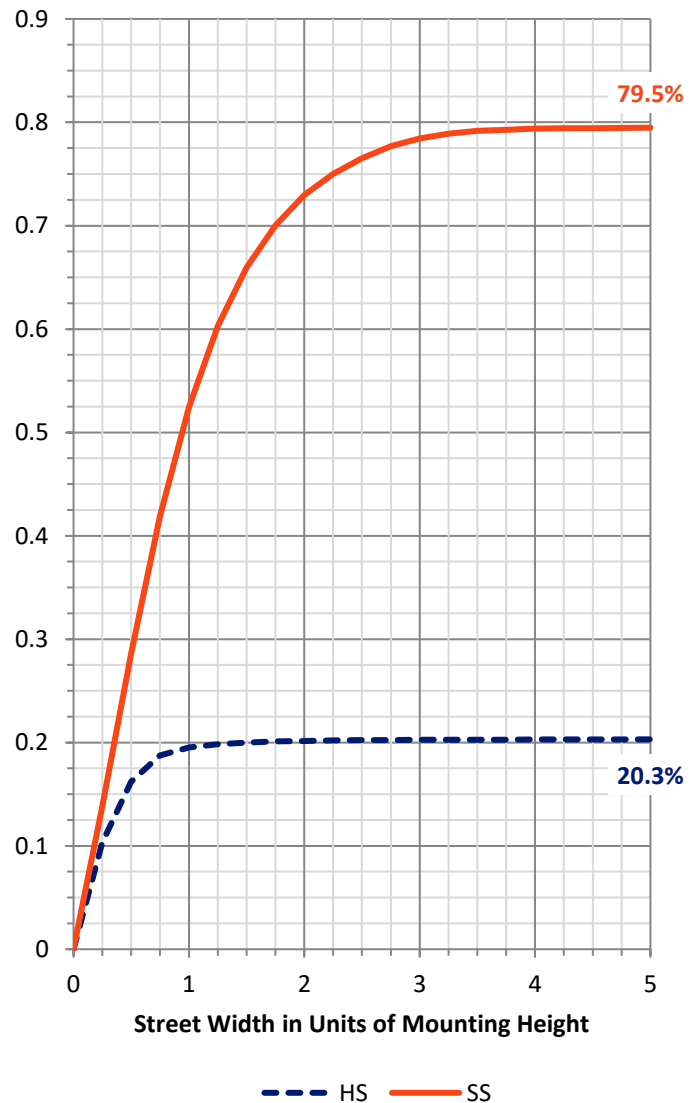
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1131.1	0.0	1131.1
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	4388.9	0.0	4388.9
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	5520.0	0.0	5520.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.2	3.1
10°-20°	500.0	9.1
20°-30°	777.2	14.1
30°-40°	969.7	17.6
40°-50°	1046.3	19.0
50°-60°	989.6	17.9
60°-70°	760.1	13.8
70°-80°	292.5	5.3
80°-90°	12.5	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°	5520.0	100.0
0°-180°	5520.0	100.0



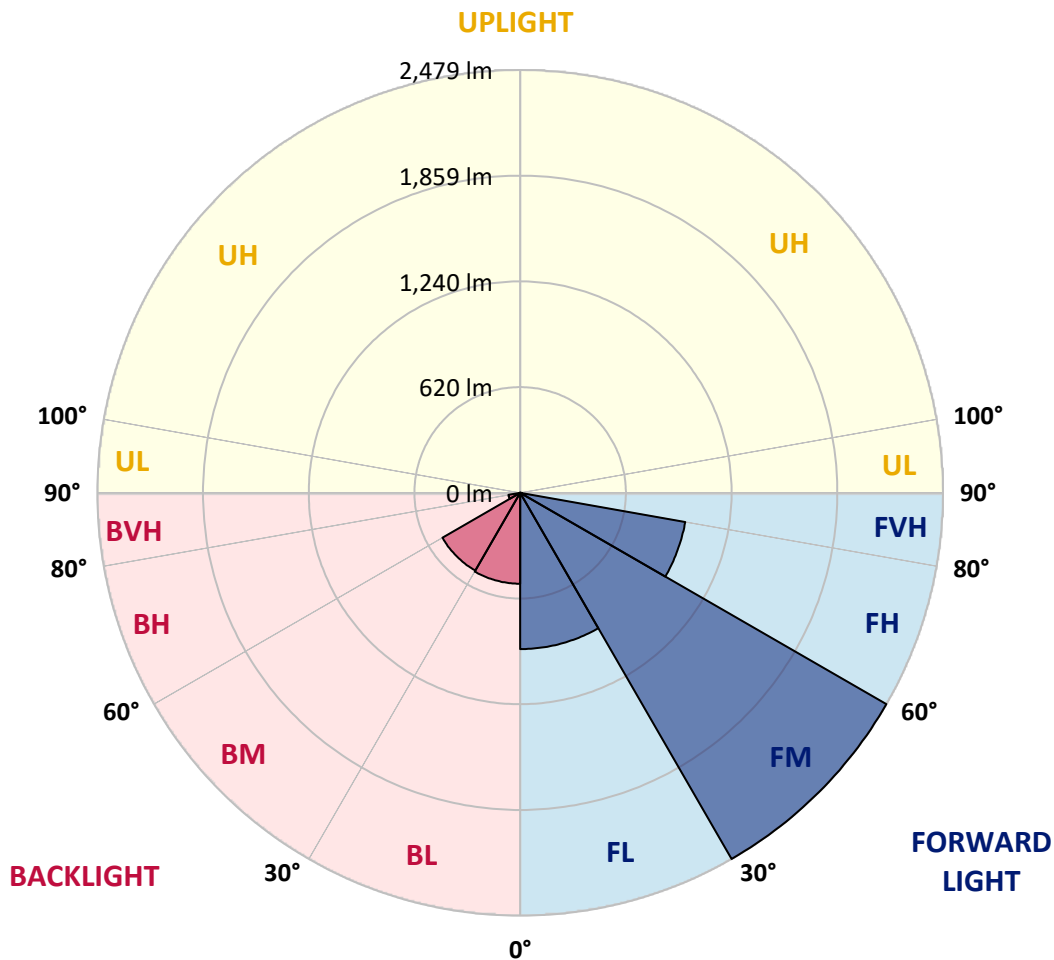
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	916.3	16.6			
FM	(30°-60°)	2479.3	44.9			
FH	(60°-80°)	982.7	17.8			G1/1800
FVH	(80°-90°)	10.6	0.2			G1/100
BL	(0°-30°)	533.0	9.7	B2/1000		
BM	(30°-60°)	526.3	9.5	B1/1000		
BH	(60°-80°)	69.9	1.3	B0/110		G0/110
BVH	(80°-90°)	1.9	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6
2.5°	1915.1	1904.2	1905.7	1899.5	1885.4	1877.6	1865.2	1851.1	1832.4	1824.6	1818.3
5°	2005.6	1997.8	1990.0	1976.0	1960.4	1936.9	1912.0	1883.9	1848.0	1824.6	1810.5
7.5°	2091.5	2082.1	2077.4	2055.6	2027.5	1994.7	1952.6	1910.4	1862.0	1823.0	1802.7
10°	2175.7	2161.7	2155.5	2130.5	2094.6	2050.9	1996.3	1940.1	1876.1	1821.4	1791.8
12.5°	2252.2	2242.9	2230.4	2200.7	2153.9	2102.4	2036.8	1966.6	1887.0	1813.6	1776.2
15°	2336.5	2325.6	2311.5	2274.1	2214.8	2150.8	2077.4	1988.5	1891.7	1804.3	1759.0
17.5°	2417.7	2406.7	2383.3	2344.3	2274.1	2202.3	2111.8	2008.7	1894.8	1790.2	1734.0
20°	2489.5	2478.5	2456.7	2408.3	2335.0	2249.1	2143.0	2024.4	1891.7	1769.9	1706.0
22.5°	2555.0	2548.8	2517.6	2464.5	2386.5	2292.8	2171.1	2036.8	1885.4	1749.7	1679.4
25°	2617.5	2608.1	2581.6	2519.1	2439.5	2330.3	2196.0	2043.1	1880.8	1726.2	1649.8
27.5°	2676.8	2664.3	2636.2	2575.3	2484.8	2364.6	2217.9	2049.3	1873.0	1699.7	1613.9
30°	2728.3	2718.9	2687.7	2622.1	2520.7	2394.3	2238.2	2055.6	1862.0	1671.6	1576.4
32.5°	2765.7	2756.4	2725.2	2659.6	2553.5	2417.7	2250.7	2057.1	1841.7	1635.7	1534.3
35°	2792.3	2782.9	2751.7	2686.1	2576.9	2438.0	2255.4	2049.3	1818.3	1595.1	1490.6
37.5°	2807.9	2803.2	2772.0	2703.3	2594.0	2448.9	2253.8	2035.3	1790.2	1548.3	1439.1
40°	2815.7	2809.4	2782.9	2714.2	2605.0	2450.5	2247.5	2016.5	1754.3	1498.4	1373.5
42.5°	2803.2	2798.5	2773.5	2717.3	2608.1	2441.1	2235.1	1986.9	1704.4	1435.9	1304.8
45°	2759.5	2756.4	2739.2	2700.2	2600.3	2422.4	2205.4	1938.5	1648.2	1368.8	1237.7
47.5°	2706.4	2701.7	2686.1	2658.0	2567.5	2394.3	2163.3	1883.9	1588.9	1295.5	1156.6
50°	2631.5	2633.1	2625.3	2598.7	2514.4	2353.7	2100.8	1824.6	1520.2	1219.0	1072.3
52.5°	2537.9	2539.4	2544.1	2526.9	2438.0	2288.1	2033.7	1748.1	1443.7	1136.3	984.9
55°	2419.2	2414.6	2430.2	2434.8	2361.5	2191.4	1954.1	1663.8	1350.1	1042.6	888.1
57.5°	2266.3	2274.1	2299.1	2314.7	2258.5	2068.1	1854.2	1567.0	1240.8	936.5	792.9
60°	2111.8	2128.9	2169.5	2189.8	2125.8	1957.2	1727.8	1446.9	1128.5	828.8	697.7
62.5°	1932.3	1930.7	2018.1	2046.2	1949.4	1810.5	1590.5	1323.6	1017.6	725.8	593.1
65°	1659.1	1643.5	1763.7	1852.7	1798.0	1656.0	1451.5	1187.8	889.7	622.8	496.3
67.5°	1515.5	1542.1	1545.2	1540.5	1609.2	1509.3	1295.5	1039.5	760.1	508.8	399.6
70°	1353.2	1362.6	1504.6	1554.6	1323.6	1304.8	1139.4	886.5	619.6	402.7	305.9
72.5°	892.8	909.9	897.5	947.4	1284.5	1052.0	988.0	738.3	490.1	313.7	227.9
75°	118.6	107.7	143.6	427.7	655.5	822.5	722.6	571.3	359.0	217.0	151.4
77.5°	51.5	51.5	56.2	62.4	78.0	388.6	549.4	362.1	254.4	128.0	93.6
80°	31.2	32.8	34.3	35.9	37.5	40.6	140.5	229.4	128.0	68.7	43.7
82.5°	18.7	18.7	20.3	20.3	20.3	21.9	23.4	37.5	37.5	20.3	14.0
85°	9.4	9.4	10.9	10.9	10.9	10.9	10.9	10.9	7.8	4.7	4.7
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6	1813.6
2.5°	1807.4	1787.1	1771.5	1757.5	1748.1	1730.9	1726.2	1724.7	1721.6	1723.1
5°	1791.8	1759.0	1726.2	1699.7	1676.3	1657.6	1645.1	1634.2	1627.9	1629.5
7.5°	1774.6	1726.2	1679.4	1642.0	1606.1	1584.2	1559.2	1546.7	1537.4	1534.3
10°	1755.9	1691.9	1631.0	1582.6	1534.3	1503.0	1470.3	1450.0	1443.7	1445.3
12.5°	1734.0	1654.4	1579.5	1518.7	1462.5	1418.8	1379.7	1356.3	1343.8	1340.7
15°	1709.1	1615.4	1528.0	1450.0	1384.4	1325.1	1281.4	1251.8	1244.0	1239.3
17.5°	1676.3	1571.7	1473.4	1382.9	1309.5	1237.7	1189.3	1153.4	1136.3	1134.7
20°	1642.0	1523.3	1409.4	1314.2	1220.5	1148.7	1095.7	1048.9	1031.7	1034.8
22.5°	1607.6	1471.8	1345.4	1234.6	1139.4	1053.5	991.1	947.4	924.0	930.2
25°	1570.2	1421.9	1281.4	1161.2	1048.9	959.9	889.7	841.3	819.4	814.7
27.5°	1528.0	1365.7	1214.3	1080.1	956.8	863.1	783.5	735.1	708.6	705.5
30°	1482.8	1306.4	1144.1	998.9	872.5	764.8	683.6	635.2	602.5	600.9
32.5°	1434.4	1247.1	1069.1	911.5	775.7	668.0	580.6	526.0	494.8	493.2
35°	1382.9	1175.3	991.1	833.5	685.2	572.8	488.5	424.5	394.9	387.1
37.5°	1320.4	1105.0	909.9	742.9	591.5	476.0	391.8	324.6	295.0	288.7
40°	1253.3	1030.1	833.5	652.4	507.3	387.1	288.7	223.2	192.0	185.7
42.5°	1183.1	944.3	739.8	568.1	419.9	295.0	190.4	154.5	145.2	145.2
45°	1108.2	869.4	652.4	476.0	329.3	196.7	143.6	131.1	124.9	123.3
47.5°	1020.8	780.4	568.1	394.9	243.5	140.5	123.3	109.3	103.0	103.0
50°	939.6	699.2	483.8	312.2	159.2	120.2	101.5	90.5	85.8	84.3
52.5°	855.3	611.8	407.4	234.1	121.7	99.9	84.3	76.5	71.8	71.8
55°	763.2	527.5	329.3	151.4	101.5	81.2	70.2	64.0	60.9	60.9
57.5°	671.1	449.5	254.4	109.3	82.7	67.1	59.3	53.1	51.5	51.5
60°	582.2	359.0	184.2	87.4	67.1	56.2	48.4	45.3	42.1	42.1
62.5°	487.0	288.7	113.9	70.2	54.6	45.3	40.6	35.9	34.3	34.3
65°	398.0	217.0	78.0	56.2	45.3	37.5	32.8	29.7	28.1	28.1
67.5°	315.3	154.5	59.3	43.7	35.9	31.2	26.5	25.0	23.4	23.4
70°	232.6	101.5	43.7	34.3	28.1	25.0	21.9	20.3	18.7	18.7
72.5°	173.2	51.5	32.8	25.0	21.9	18.7	17.2	15.6	14.0	14.0
75°	109.3	31.2	23.4	18.7	15.6	14.0	12.5	10.9	10.9	10.9
77.5°	62.4	20.3	15.6	12.5	10.9	9.4	9.4	7.8	7.8	7.8
80°	29.7	12.5	9.4	7.8	7.8	6.2	6.2	4.7	4.7	4.7
82.5°	9.4	6.2	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1
85°	4.7	3.1	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6
87.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	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)