

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: P231783

Luminaire Tested: **AXCL6A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P231783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29584)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCL6A-W
Description: AXCENT CUTOFF WALLPACK
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6619 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.29' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

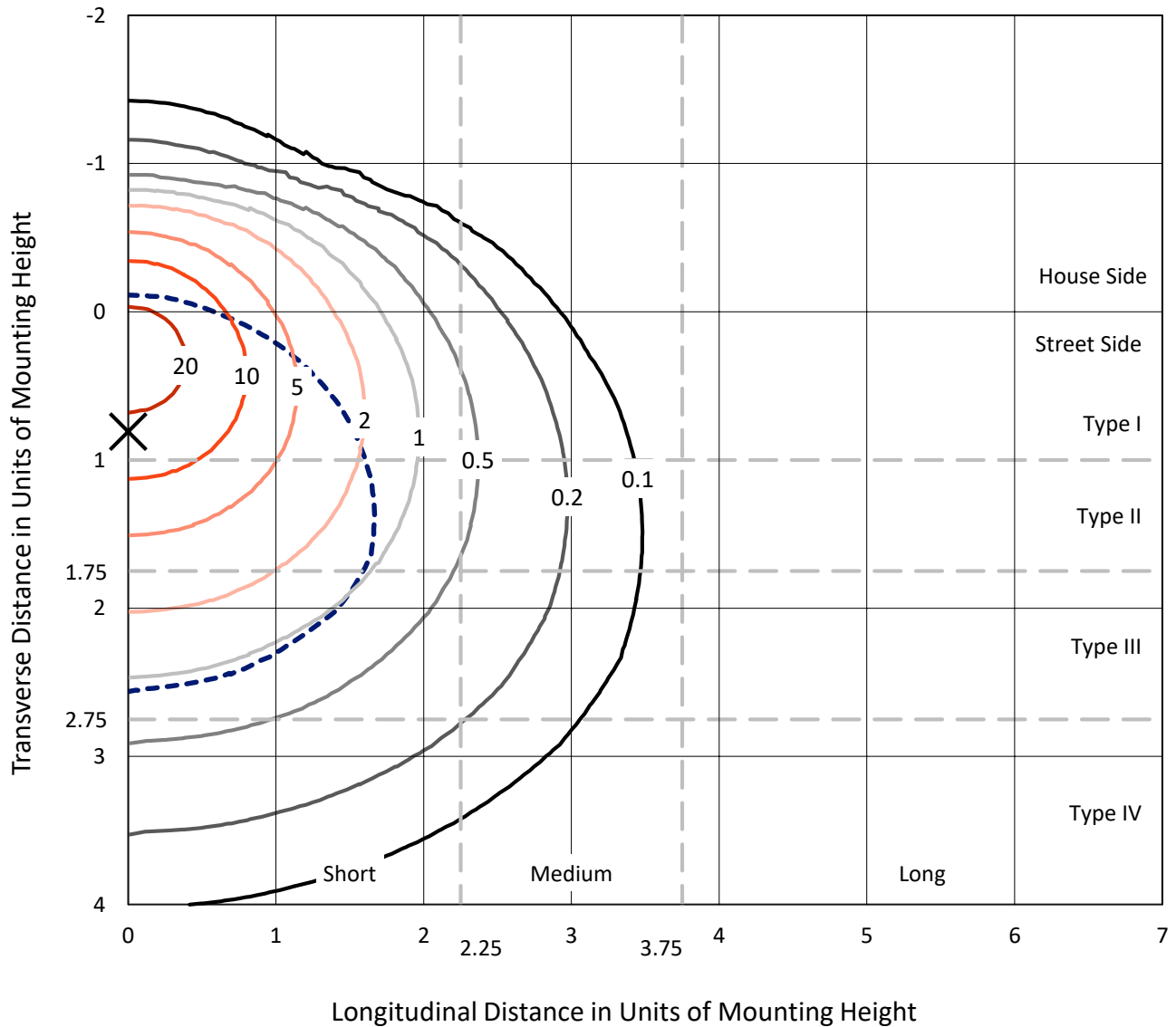
Input Watts (W): 56.43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

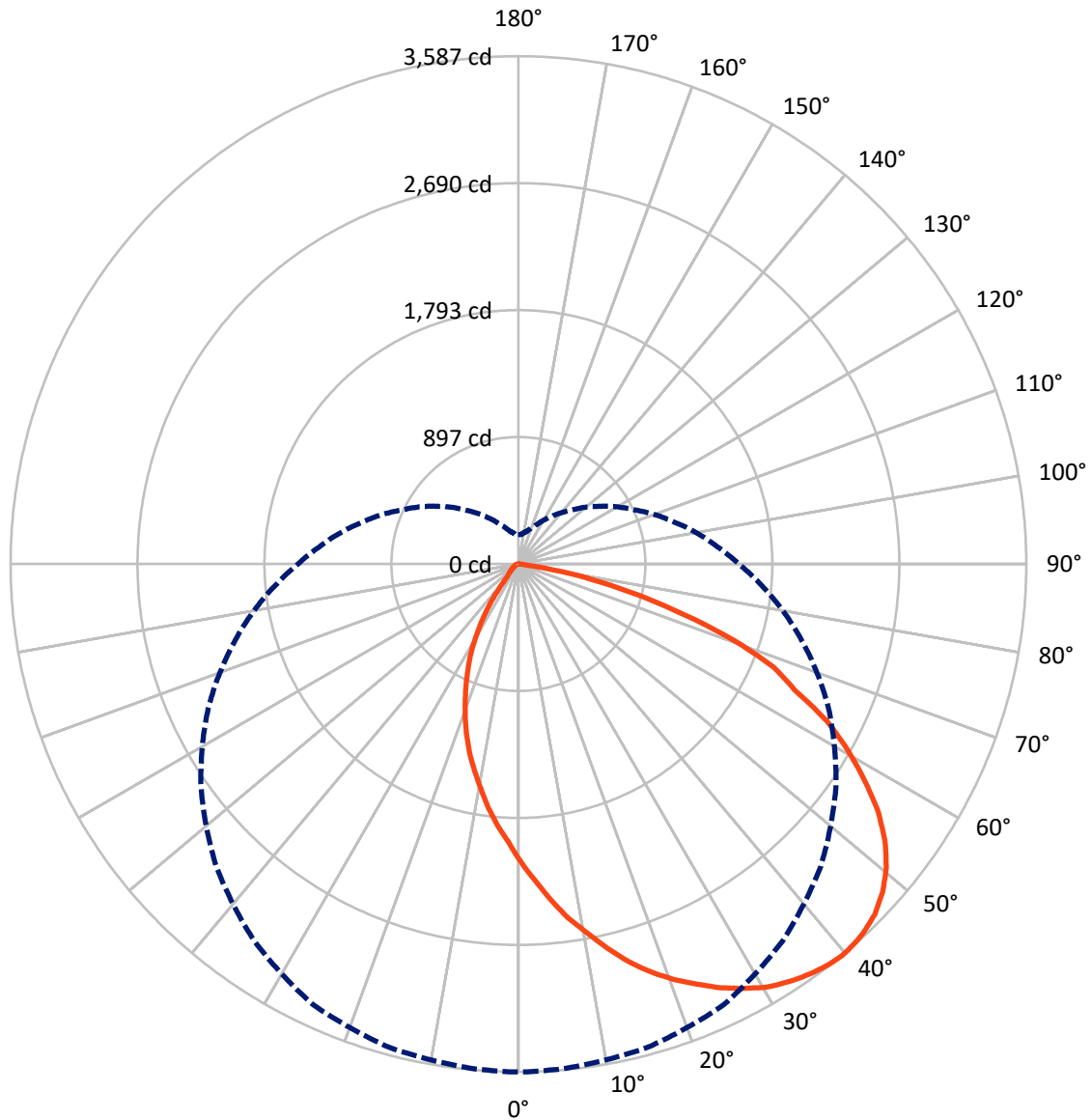
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.2 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 39-Deg Vertical

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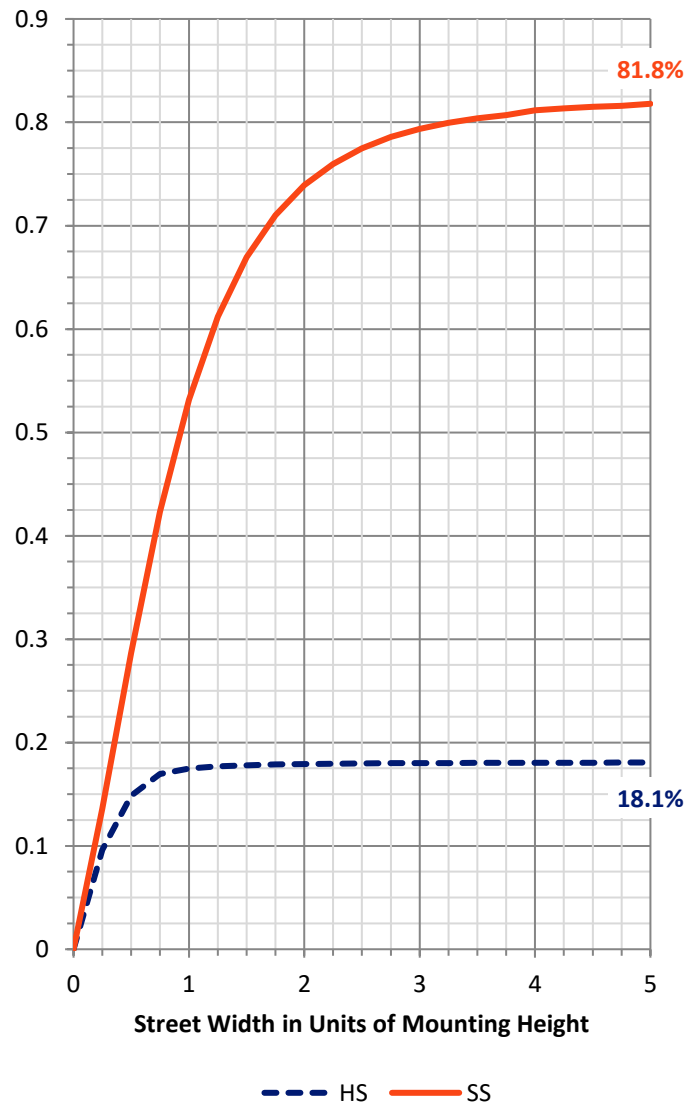
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1207.3	0.0	1207.3
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	5411.7	0.0	5411.7
	% Fixture	81.8	0.0	81.8
Total	Lumens	6619.0	0.0	6619.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.7	3.0
10°-20°	594.9	9.0
20°-30°	928.3	14.0
30°-40°	1154.5	17.4
40°-50°	1242.5	18.8
50°-60°	1167.5	17.6
60°-70°	884.3	13.4
70°-80°	409.4	6.2
80°-90°	35.9	0.5
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°	6619.0	100.0
0°-180°	6619.0	100.0



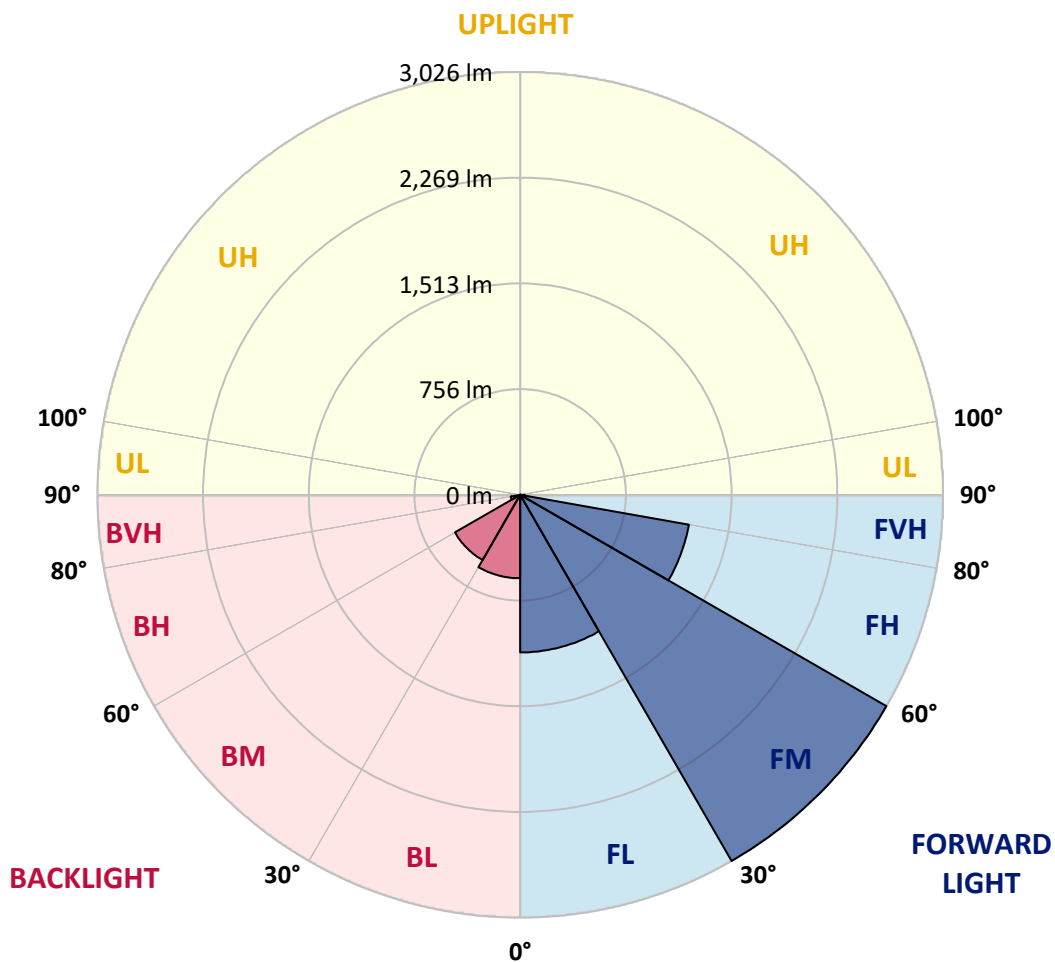
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1127.7	17.0			
FM	(30°-60°)	3025.5	45.7			
FH	(60°-80°)	1225.4	18.5			G1/1800
FVH	(80°-90°)	33.1	0.5			G1/100
BL	(0°-30°)	597.2	9.0	B2/1000		
BM	(30°-60°)	538.9	8.1	B1/1000		
BH	(60°-80°)	68.4	1.0	B0/110		G0/110
BVH	(80°-90°)	2.8	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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0
2.5°	2237.1	2228.2	2232.9	2224.9	2224.0	2214.7	2197.9	2185.3	2169.2	2144.0	2117.4
5°	2382.0	2372.3	2376.5	2362.6	2354.2	2333.1	2299.0	2267.8	2231.6	2182.7	2134.3
7.5°	2524.0	2516.8	2518.1	2500.8	2483.1	2447.7	2397.6	2345.8	2286.8	2216.4	2143.1
10°	2647.0	2643.6	2648.7	2620.4	2595.6	2548.0	2483.5	2410.2	2328.5	2233.7	2139.3
12.5°	2783.5	2773.8	2778.4	2747.3	2714.4	2652.0	2570.3	2476.8	2371.5	2252.7	2133.4
15°	2914.5	2916.2	2913.7	2880.8	2839.1	2762.0	2662.6	2545.9	2416.1	2270.4	2126.3
17.5°	3029.1	3035.4	3033.7	2999.6	2942.7	2857.6	2743.0	2603.2	2447.7	2276.3	2105.2
20°	3131.9	3136.5	3133.6	3096.9	3032.1	2935.2	2805.4	2644.9	2463.7	2265.7	2071.9
22.5°	3222.5	3225.4	3222.9	3182.5	3110.0	3002.1	2858.1	2676.1	2471.3	2251.8	2038.2
25°	3316.0	3315.2	3313.1	3269.2	3190.0	3069.5	2908.6	2705.5	2481.8	2241.3	2006.6
27.5°	3394.4	3401.1	3395.6	3354.3	3268.0	3133.2	2953.3	2731.7	2490.3	2228.2	1971.2
30°	3467.7	3465.1	3460.9	3417.1	3326.1	3179.9	2982.3	2744.7	2486.9	2205.5	1929.1
32.5°	3515.3	3515.3	3505.6	3463.5	3369.5	3211.9	2999.2	2750.2	2475.1	2173.9	1876.9
35°	3554.0	3552.8	3543.5	3501.4	3404.9	3238.9	3013.1	2751.0	2459.5	2138.9	1821.3
37.5°	3580.6	3579.7	3570.9	3527.1	3426.8	3250.7	3019.4	2744.7	2436.3	2096.8	1761.0
39°	3586.9	3586.9	3578.5	3533.8	3434.0	3251.5	3019.4	2737.6	2417.8	2069.4	1722.7
40°	3586.1	3586.1	3577.6	3534.2	3433.5	3247.8	3015.2	2728.7	2403.5	2048.8	1696.1
42.5°	3568.4	3569.2	3560.8	3519.5	3419.6	3229.6	2991.6	2698.4	2359.7	1991.5	1624.9
45°	3528.8	3528.8	3521.2	3482.4	3380.0	3190.0	2950.7	2648.7	2303.6	1922.8	1547.8
47.5°	3461.4	3463.0	3454.6	3418.8	3315.2	3134.8	2896.4	2587.6	2235.0	1847.0	1460.2
50°	3367.4	3369.9	3361.5	3326.5	3232.2	3058.2	2821.8	2510.9	2149.4	1762.7	1365.8
52.5°	3240.6	3241.4	3237.6	3207.7	3122.6	2956.6	2726.2	2417.0	2055.1	1662.4	1265.1
55°	3080.9	3084.3	3079.2	3051.0	2980.2	2830.3	2609.9	2304.5	1943.9	1557.1	1155.2
57.5°	2882.5	2886.3	2882.9	2860.6	2805.4	2676.9	2470.5	2173.9	1832.2	1436.2	1039.8
60°	2674.4	2679.4	2675.6	2655.0	2601.9	2499.5	2311.2	2026.0	1689.4	1306.9	920.9
62.5°	2445.2	2449.4	2446.0	2441.0	2390.8	2302.0	2139.8	1864.2	1543.2	1173.3	800.0
65°	2143.1	2149.0	2137.2	2159.1	2150.3	2062.2	1936.3	1690.7	1377.2	1020.4	681.7
67.5°	1943.4	1945.1	1927.4	1907.6	1845.7	1829.7	1721.0	1503.6	1206.6	875.9	562.8
70°	1616.9	1585.3	1589.5	1616.1	1639.3	1549.9	1489.3	1299.7	1027.5	724.6	449.1
72.5°	1227.2	1200.7	1207.4	1223.0	1263.0	1303.9	1211.6	1094.1	845.5	584.8	336.2
75°	864.1	837.1	845.1	858.2	888.9	926.4	950.0	849.3	652.6	441.5	244.8
77.5°	538.8	530.8	521.6	530.0	553.6	586.9	615.5	610.5	467.2	308.4	160.1
80°	256.1	249.0	244.4	251.1	266.3	305.9	330.7	330.7	287.3	188.7	91.0
82.5°	47.2	45.9	45.5	51.4	58.1	91.4	120.5	134.4	130.2	87.2	37.5
85°	21.9	20.6	21.1	21.5	21.9	24.4	25.7	30.8	36.2	24.0	12.2
87.5°	7.6	8.0	8.0	8.8	8.4	9.3	9.7	10.5	9.7	7.6	6.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0	2106.0
2.5°	2103.9	2092.1	2069.8	2046.2	2025.2	2002.0	1987.2	1979.2	1969.5	1971.2	1965.8
5°	2110.3	2085.8	2042.4	1999.0	1960.7	1921.9	1895.0	1876.4	1860.9	1859.6	1854.5
7.5°	2107.3	2070.7	2006.2	1943.9	1888.2	1833.0	1793.9	1767.3	1744.2	1739.9	1735.3
10°	2092.6	2046.2	1961.5	1878.1	1807.8	1737.8	1687.7	1651.9	1622.4	1615.2	1608.5
12.5°	2075.3	2019.7	1914.4	1814.1	1730.3	1652.7	1588.7	1543.2	1509.5	1493.1	1491.4
15°	2056.8	1989.8	1863.8	1750.1	1648.9	1564.3	1491.8	1438.7	1398.7	1379.7	1376.8
17.5°	2025.2	1946.8	1803.6	1673.4	1559.6	1466.1	1385.2	1325.8	1280.3	1259.2	1254.6
20°	1980.1	1893.3	1732.8	1587.0	1461.5	1357.4	1271.0	1207.0	1157.3	1131.6	1125.7
22.5°	1935.0	1838.9	1662.4	1502.3	1364.6	1250.4	1155.6	1086.9	1033.4	1005.2	999.7
25°	1893.7	1790.5	1594.6	1421.4	1271.0	1145.9	1042.3	962.7	912.1	881.3	875.0
27.5°	1848.2	1735.7	1523.8	1337.6	1176.3	1040.6	928.5	843.4	789.1	755.8	761.3
30°	1793.9	1672.1	1445.9	1242.4	1074.3	931.1	811.8	722.9	666.5	630.3	635.7
32.5°	1731.9	1602.6	1362.5	1148.9	974.5	819.4	699.3	604.6	546.4	513.1	512.3
35°	1667.5	1530.1	1274.4	1055.8	872.1	709.0	583.5	490.0	420.9	391.8	389.7
37.5°	1598.8	1454.3	1193.9	961.4	771.4	602.9	475.2	372.8	308.8	273.4	270.9
39°	1556.7	1409.2	1141.3	903.3	710.3	539.7	409.9	306.3	241.0	208.5	206.9
40°	1526.8	1378.1	1105.1	864.9	669.9	498.8	366.1	262.0	200.5	170.2	168.1
42.5°	1452.6	1295.5	1014.5	768.0	569.2	398.5	261.6	166.8	128.1	117.1	116.3
45°	1365.0	1204.9	915.9	674.1	471.0	298.7	169.4	114.6	99.4	93.9	93.1
47.5°	1274.4	1111.0	817.7	579.7	378.3	206.9	112.5	91.4	82.2	78.8	78.4
50°	1177.5	1012.8	728.8	487.4	287.7	131.0	88.5	75.4	69.9	67.8	67.4
52.5°	1080.6	912.1	630.7	393.9	201.8	93.1	73.3	64.5	61.1	59.8	59.4
55°	968.1	810.6	535.0	311.3	129.3	75.0	61.5	56.0	53.9	51.8	51.8
57.5°	864.9	707.8	446.2	230.0	85.9	61.5	52.7	48.9	46.3	44.7	44.2
60°	754.5	605.4	358.9	156.3	67.0	51.4	45.9	43.0	40.4	38.8	38.3
62.5°	643.7	503.9	277.6	93.9	53.5	43.4	40.4	37.5	35.4	33.7	33.7
65°	535.9	408.2	202.6	61.9	43.4	37.1	34.5	32.4	30.8	29.5	29.5
67.5°	431.0	314.7	137.3	47.2	35.0	31.6	29.9	28.2	26.5	25.7	25.7
70°	332.4	234.2	82.6	35.4	28.6	26.5	25.7	24.0	23.2	21.9	21.9
72.5°	243.1	162.6	45.1	27.4	23.2	21.9	21.5	20.2	19.4	18.5	18.5
75°	170.6	103.2	28.2	21.1	18.1	17.7	17.7	16.9	16.0	15.2	15.2
77.5°	105.7	57.3	19.4	15.2	13.9	13.9	13.9	13.1	12.2	11.8	11.4
80°	56.5	27.4	13.1	11.0	10.1	10.1	10.1	9.7	8.8	8.4	8.0
82.5°	23.6	12.6	8.4	7.2	6.3	6.7	6.7	5.9	5.1	4.2	4.2
85°	8.8	7.2	5.9	5.1	4.6	4.2	3.8	2.9	2.1	1.7	1.7
87.5°	5.5	5.1	4.6	4.2	3.8	2.9	2.5	1.7	0.8	0.4	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)