

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: P231782

Luminaire Tested: **AXCL6A-C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P231782
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-C
Description: AXCENT CUTOFF WALLPACK
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7465 lumens
Efficiency: N/A
Efficacy: 132.3 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

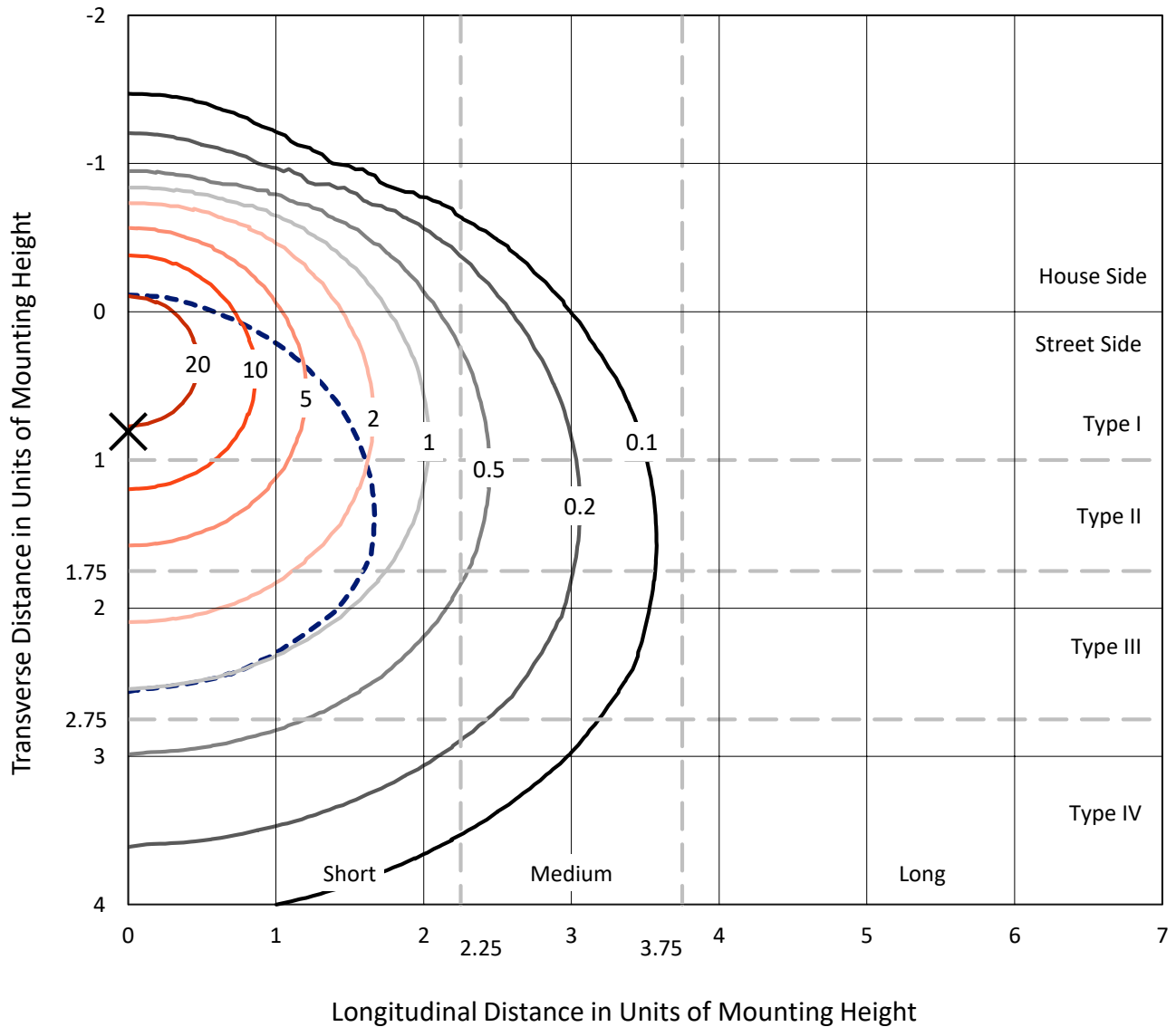
Input Watts (W): 56.43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

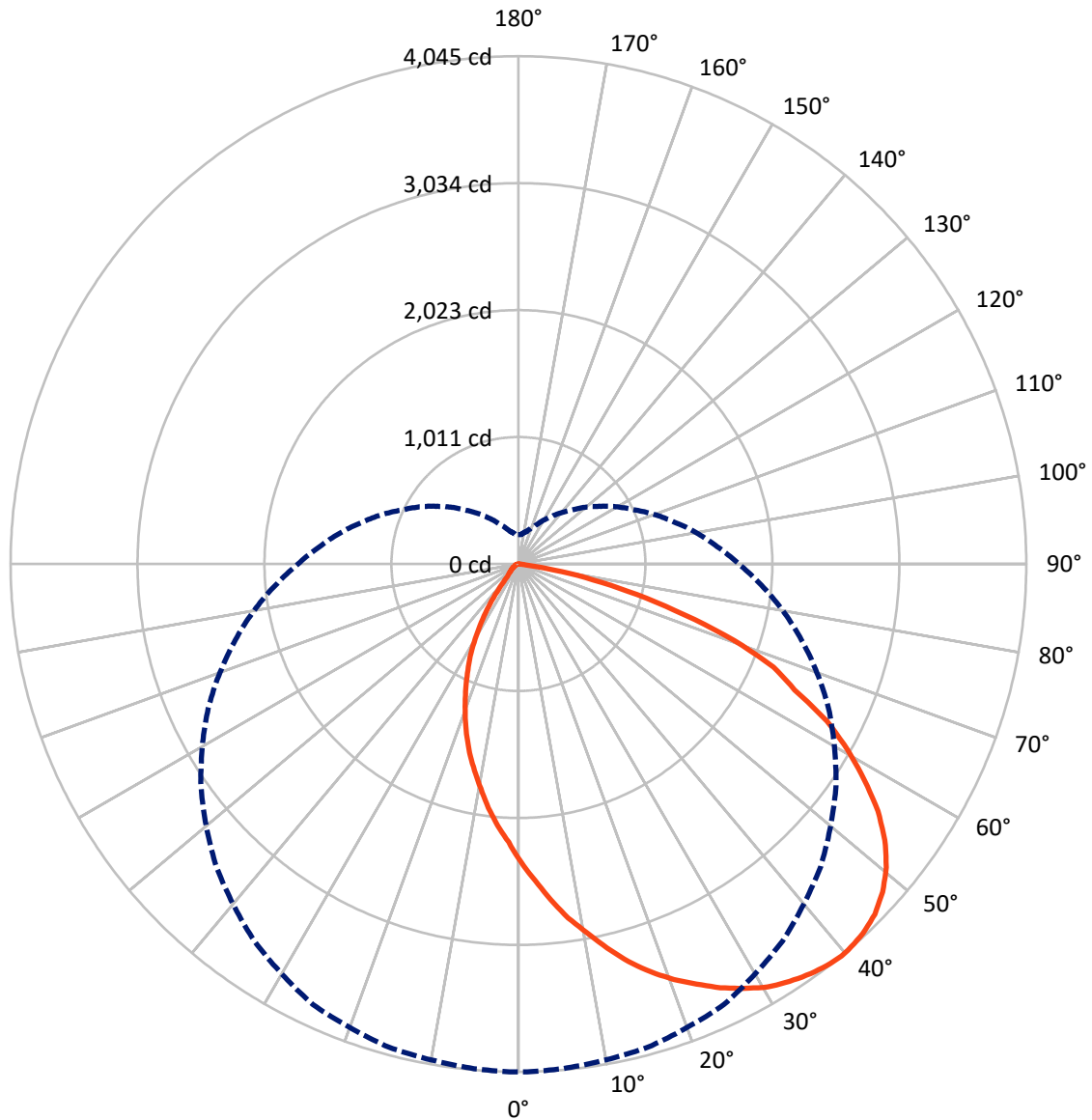
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.5 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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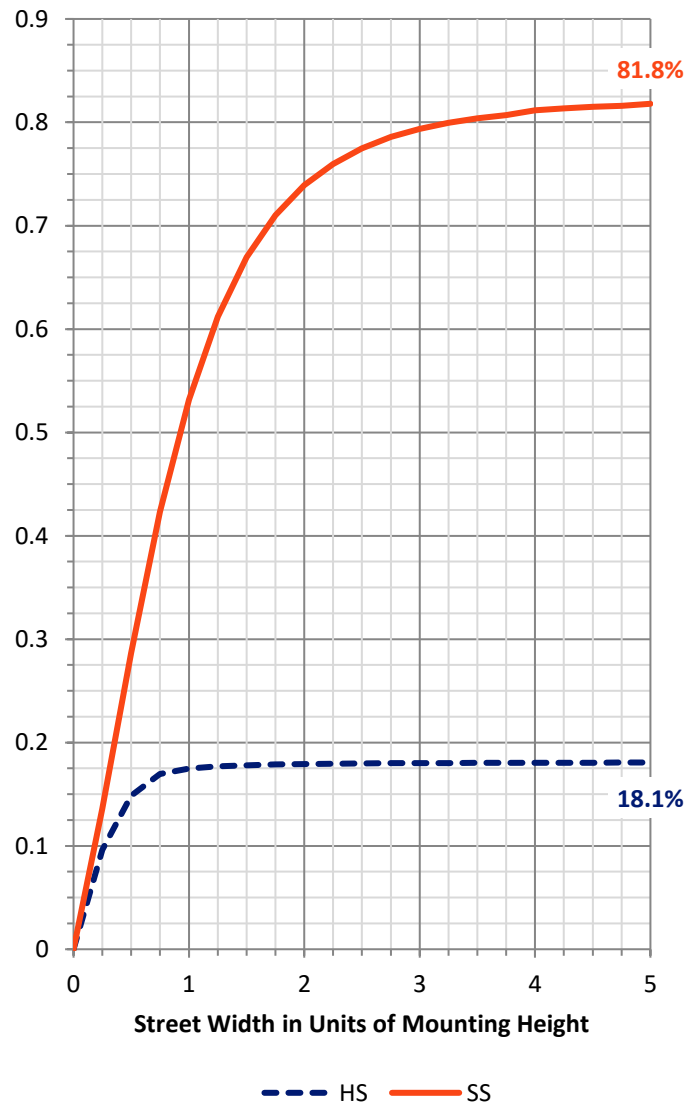
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1361.6	0.0	1361.6
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	6103.4	0.0	6103.4
	% Fixture	81.8	0.0	81.8
Total	Lumens	7465.0	0.0	7465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	3.0
10°-20°	670.9	9.0
20°-30°	1046.9	14.0
30°-40°	1302.0	17.4
40°-50°	1401.3	18.8
50°-60°	1316.7	17.6
60°-70°	997.3	13.4
70°-80°	461.7	6.2
80°-90°	40.5	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°	7465.0	100.0
0°-180°	7465.0	100.0

Coefficient of Utilization



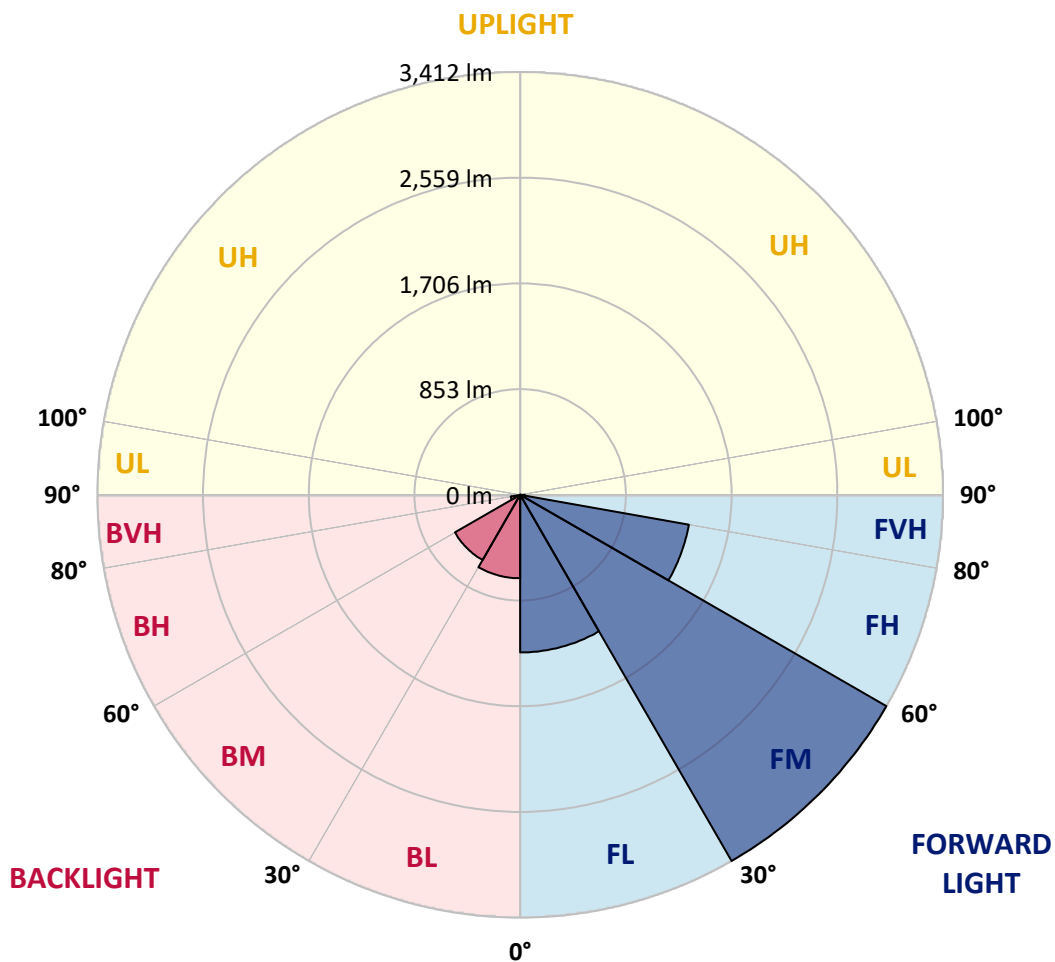
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1271.9	17.0			
FM	(30°-60°)	3412.2	45.7			
FH	(60°-80°)	1382.0	18.5			G1/1800
FVH	(80°-90°)	37.3	0.5			G1/100
BL	(0°-30°)	673.5	9.0	B2/1000		
BM	(30°-60°)	607.8	8.1	B1/1000		
BH	(60°-80°)	77.1	1.0	B0/110		G0/110
BVH	(80°-90°)	3.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2
2.5°	2523.0	2513.0	2518.2	2509.2	2508.3	2497.8	2478.8	2464.6	2446.5	2418.0	2388.1
5°	2686.4	2675.5	2680.3	2664.6	2655.1	2631.3	2592.8	2557.7	2516.8	2461.7	2407.1
7.5°	2846.6	2838.5	2839.9	2820.4	2800.5	2760.6	2704.0	2645.6	2579.1	2499.7	2417.0
10°	2985.3	2981.5	2987.2	2955.4	2927.3	2873.7	2801.0	2718.3	2626.1	2519.2	2412.8
12.5°	3139.3	3128.3	3133.6	3098.4	3061.3	2991.0	2898.8	2793.4	2674.6	2540.6	2406.1
15°	3287.0	3288.9	3286.1	3249.0	3202.0	3115.0	3002.9	2871.3	2724.9	2560.5	2398.0
17.5°	3416.3	3423.4	3421.5	3383.0	3318.9	3222.9	3093.6	2935.9	2760.6	2567.2	2374.3
20°	3532.2	3537.4	3534.1	3492.8	3419.6	3310.3	3164.0	2982.9	2778.6	2555.3	2336.7
22.5°	3634.4	3637.7	3634.8	3589.2	3507.5	3385.9	3223.4	3018.1	2787.2	2539.6	2298.7
25°	3739.8	3738.9	3736.5	3687.1	3597.8	3461.9	3280.4	3051.4	2799.1	2527.8	2263.1
27.5°	3828.2	3835.8	3829.6	3783.1	3685.7	3533.6	3330.7	3080.8	2808.6	2513.0	2223.2
30°	3910.9	3908.0	3903.3	3853.9	3751.2	3586.4	3363.5	3095.5	2804.8	2487.4	2175.7
32.5°	3964.6	3964.6	3953.6	3906.1	3800.2	3622.5	3382.5	3101.7	2791.5	2451.7	2116.8
35°	4008.3	4006.9	3996.4	3948.9	3840.1	3652.9	3398.2	3102.7	2773.9	2412.3	2054.0
37.5°	4038.2	4037.3	4027.3	3977.9	3864.8	3666.2	3405.3	3095.5	2747.7	2364.8	1986.1
39°	4045.4	4045.4	4035.8	3985.5	3872.9	3667.1	3405.3	3087.5	2726.8	2333.9	1942.9
40°	4044.4	4044.4	4034.9	3986.0	3872.4	3662.9	3400.6	3077.5	2710.7	2310.6	1912.9
42.5°	4024.4	4025.4	4015.9	3969.3	3856.7	3642.4	3374.0	3043.3	2661.3	2246.0	1832.6
45°	3979.8	3979.8	3971.2	3927.5	3812.1	3597.8	3327.9	2987.2	2598.1	2168.5	1745.7
47.5°	3903.8	3905.7	3896.2	3855.8	3738.9	3535.5	3266.6	2918.3	2520.6	2083.0	1646.8
50°	3797.8	3800.7	3791.2	3751.7	3645.3	3449.0	3182.5	2831.8	2424.2	1988.0	1540.4
52.5°	3654.8	3655.7	3651.5	3617.7	3521.7	3334.5	3074.6	2725.9	2317.7	1874.9	1426.8
55°	3474.7	3478.5	3472.8	3441.0	3361.1	3192.0	2943.5	2599.0	2192.3	1756.1	1302.8
57.5°	3250.9	3255.2	3251.4	3226.2	3164.0	3019.0	2786.2	2451.7	2066.4	1619.8	1172.6
60°	3016.2	3021.9	3017.6	2994.3	2934.5	2819.0	2606.6	2285.0	1905.3	1473.9	1038.7
62.5°	2757.7	2762.5	2758.7	2753.0	2696.4	2596.2	2413.2	2102.5	1740.4	1323.3	902.3
65°	2417.0	2423.7	2410.4	2435.1	2425.1	2325.8	2183.7	1906.7	1553.2	1150.8	768.8
67.5°	2191.8	2193.7	2173.8	2151.4	2081.6	2063.5	1941.0	1695.8	1360.8	987.8	634.8
70°	1823.6	1788.0	1792.7	1822.6	1848.8	1748.0	1679.6	1465.8	1158.9	817.2	506.5
72.5°	1384.1	1354.2	1361.8	1379.3	1424.5	1470.6	1366.5	1233.9	953.6	659.5	379.2
75°	974.5	944.1	953.1	967.9	1002.5	1044.8	1071.4	957.9	736.0	497.9	276.1
77.5°	607.7	598.7	588.2	597.7	624.3	661.9	694.2	688.5	526.9	347.8	180.6
80°	288.9	280.8	275.6	283.2	300.3	345.0	373.0	373.0	324.0	212.9	102.6
82.5°	53.2	51.8	51.3	58.0	65.6	103.1	135.9	151.6	146.8	98.4	42.3
85°	24.7	23.3	23.8	24.2	24.7	27.6	29.0	34.7	40.9	27.1	13.8
87.5°	8.6	9.0	9.0	10.0	9.5	10.5	10.9	11.9	10.9	8.6	7.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2	2375.2
2.5°	2372.9	2359.6	2334.4	2307.8	2284.0	2257.9	2241.2	2232.2	2221.3	2223.2	2217.0
5°	2380.0	2352.4	2303.5	2254.5	2211.3	2167.6	2137.2	2116.3	2098.7	2097.3	2091.6
7.5°	2376.7	2335.3	2262.6	2192.3	2129.6	2067.3	2023.2	1993.2	1967.1	1962.3	1957.1
10°	2360.0	2307.8	2212.3	2118.2	2038.8	1960.0	1903.4	1863.0	1829.8	1821.7	1814.1
12.5°	2340.5	2277.8	2159.0	2046.0	1951.4	1864.0	1791.8	1740.4	1702.4	1683.9	1682.0
15°	2319.6	2244.1	2102.0	1973.7	1859.7	1764.2	1682.5	1622.6	1577.5	1556.1	1552.8
17.5°	2284.0	2195.6	2034.1	1887.3	1759.0	1653.5	1562.3	1495.3	1444.0	1420.2	1415.0
20°	2233.2	2135.3	1954.3	1789.9	1648.3	1530.9	1433.5	1361.3	1305.2	1276.2	1269.6
22.5°	2182.3	2074.0	1874.9	1694.4	1539.0	1410.2	1303.3	1225.9	1165.5	1133.7	1127.5
25°	2135.8	2019.3	1798.4	1603.1	1433.5	1292.4	1175.5	1085.7	1028.7	994.0	986.9
27.5°	2084.4	1957.6	1718.6	1508.6	1326.6	1173.6	1047.2	951.2	889.9	852.4	858.6
30°	2023.2	1885.8	1630.7	1401.2	1211.6	1050.1	915.6	815.3	751.7	710.8	717.0
32.5°	1953.3	1807.4	1536.6	1295.7	1099.0	924.1	788.7	681.8	616.3	578.7	577.8
35°	1880.6	1725.7	1437.3	1190.7	983.5	799.7	658.1	552.6	474.7	441.9	439.5
37.5°	1803.2	1640.2	1346.6	1084.3	870.0	679.9	536.0	420.5	348.3	308.4	305.5
39°	1755.6	1589.3	1287.2	1018.7	801.1	608.7	462.3	345.4	271.8	235.2	233.3
40°	1721.9	1554.2	1246.3	975.5	755.5	562.6	412.9	295.5	226.2	192.0	189.6
42.5°	1638.3	1461.1	1144.1	866.2	641.9	449.5	295.1	188.2	144.4	132.1	131.1
45°	1539.5	1358.9	1033.0	760.2	531.2	336.9	191.0	129.2	112.1	106.0	105.0
47.5°	1437.3	1252.9	922.2	653.8	426.7	233.3	126.9	103.1	92.7	88.9	88.4
50°	1328.0	1142.2	822.0	549.7	324.5	147.8	99.8	85.1	78.9	76.5	76.0
52.5°	1218.7	1028.7	711.3	444.3	227.6	105.0	82.7	72.7	68.9	67.5	67.0
55°	1091.9	914.2	603.4	351.1	145.9	84.6	69.4	63.2	60.8	58.4	58.4
57.5°	975.5	798.2	503.2	259.4	96.9	69.4	59.4	55.1	52.3	50.4	49.9
60°	851.0	682.8	404.8	176.3	75.5	58.0	51.8	48.5	45.6	43.7	43.2
62.5°	726.0	568.3	313.1	106.0	60.3	48.9	45.6	42.3	39.9	38.0	38.0
65°	604.4	460.4	228.5	69.8	48.9	41.8	39.0	36.6	34.7	33.3	33.3
67.5°	486.1	354.9	154.9	53.2	39.4	35.6	33.7	31.8	29.9	29.0	29.0
70°	374.9	264.2	93.1	39.9	32.3	29.9	29.0	27.1	26.1	24.7	24.7
72.5°	274.2	183.4	50.8	30.9	26.1	24.7	24.2	22.8	21.9	20.9	20.9
75°	192.4	116.4	31.8	23.8	20.4	20.0	20.0	19.0	18.1	17.1	17.1
77.5°	119.3	64.6	21.9	17.1	15.7	15.7	15.7	14.7	13.8	13.3	12.8
80°	63.7	30.9	14.7	12.4	11.4	11.4	11.4	10.9	10.0	9.5	9.0
82.5°	26.6	14.3	9.5	8.1	7.1	7.6	7.6	6.7	5.7	4.8	4.8
85°	10.0	8.1	6.7	5.7	5.2	4.8	4.3	3.3	2.4	1.9	1.9
87.5°	6.2	5.7	5.2	4.8	4.3	3.3	2.9	1.9	1.0	0.5	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)