

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: P231781

Luminaire Tested: **AXCL6A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P231781
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
Description: AXCENT CUTOFF WALLPACK
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7594 lumens
Efficiency: N/A
Efficacy: 134.6 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

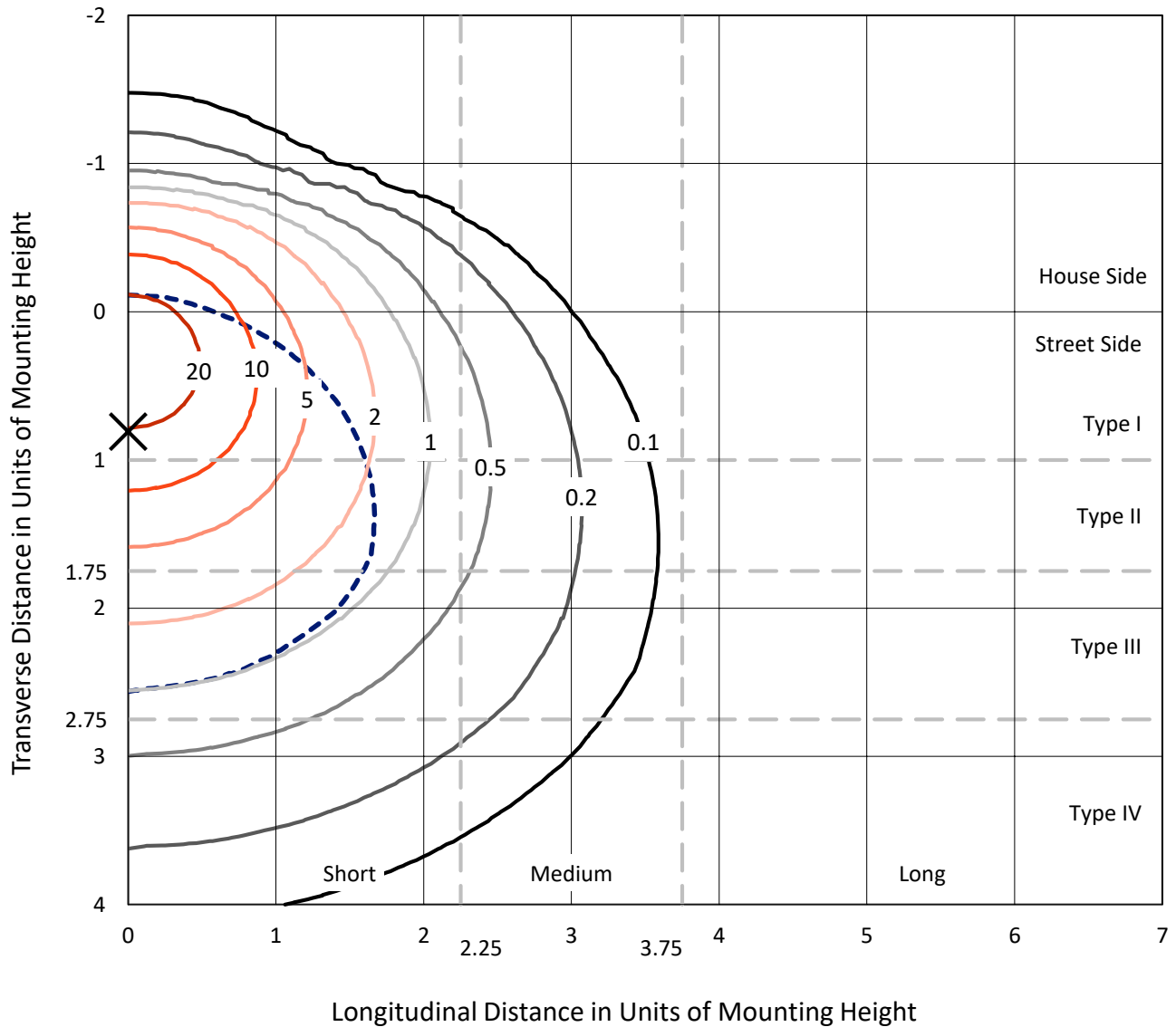
Input Watts (W): 56.43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P231781
 CATALOG NUMBER: AXCL6A

Iso-Footcandle Lines of Horizontal Illumination

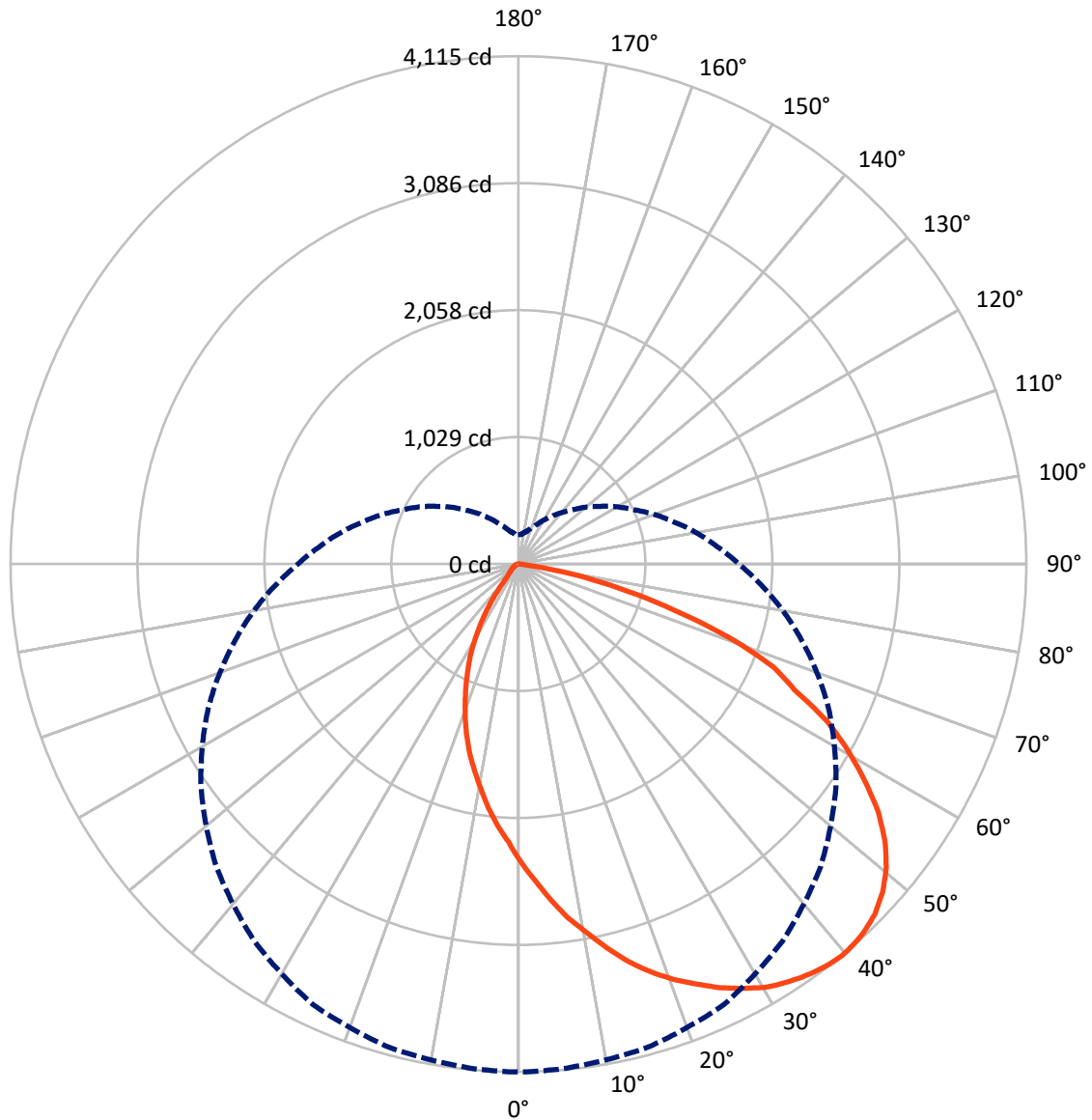
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P231781
CATALOG NUMBER: AXCL6A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P231781
 CATALOG NUMBER: AXCL6A

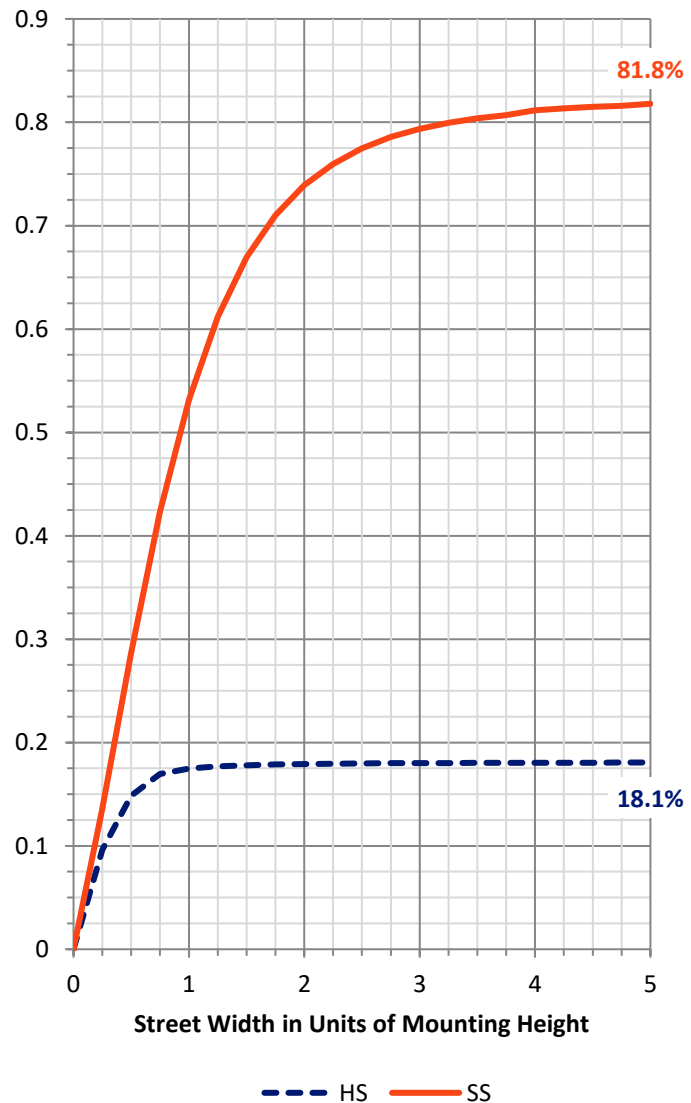
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1385.2	0.0	1385.2
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	6208.9	0.0	6208.9
	% Fixture	81.8	0.0	81.8
Total	Lumens	7594.0	0.0	7594.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	3.0
10°-20°	682.5	9.0
20°-30°	1065.0	14.0
30°-40°	1324.5	17.4
40°-50°	1425.5	18.8
50°-60°	1339.4	17.6
60°-70°	1014.6	13.4
70°-80°	469.7	6.2
80°-90°	41.2	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°	7594.0	100.0
0°-180°	7594.0	100.0



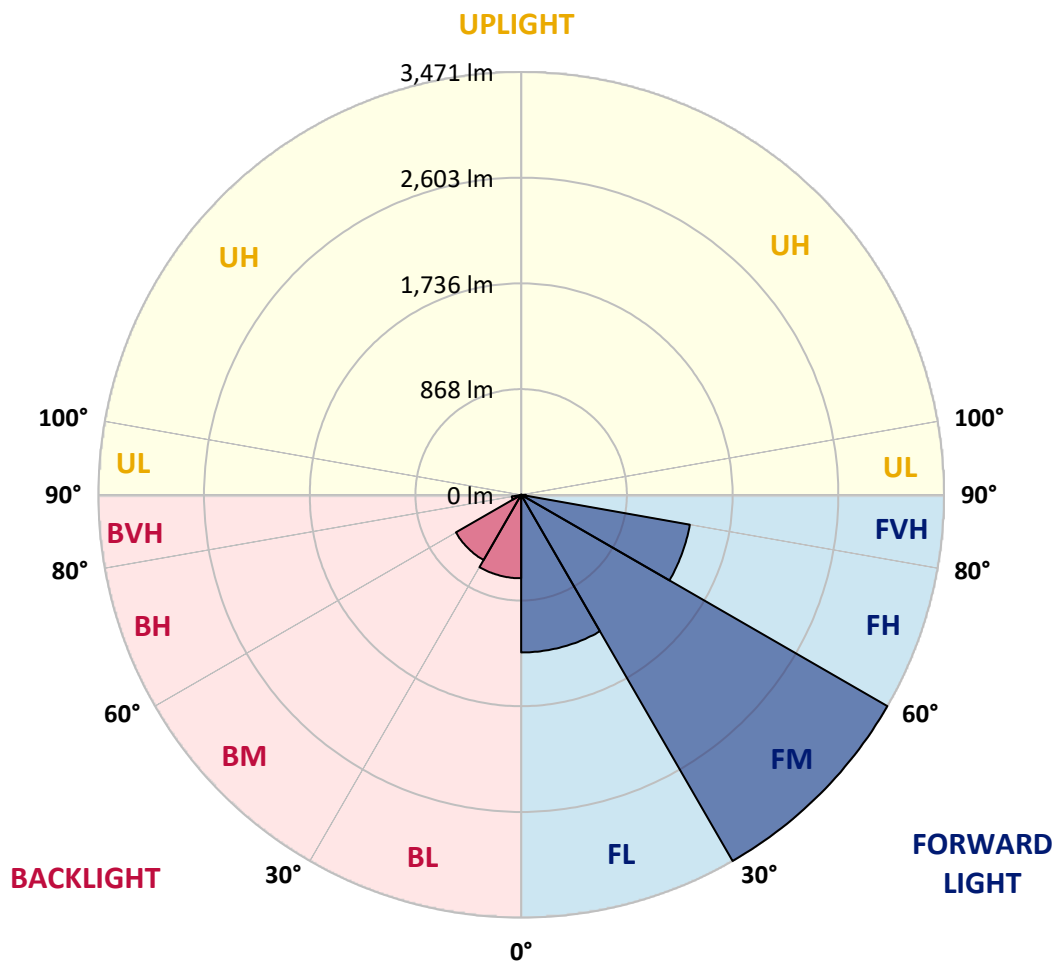
REPORT NUMBER: P231781
 CATALOG NUMBER: AXCL6A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1293.9	17.0			
FM	(30°-60°)	3471.2	45.7			
FH	(60°-80°)	1405.9	18.5			G1/1800
FVH	(80°-90°)	37.9	0.5			G1/100
BL	(0°-30°)	685.1	9.0	B2/1000		
BM	(30°-60°)	618.3	8.1	B1/1000		
BH	(60°-80°)	78.4	1.0	B0/110		G0/110
BVH	(80°-90°)	3.3	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: P231781
 CATALOG NUMBER: AXCL6A

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3
2.5°	2566.6	2556.4	2561.8	2552.6	2551.6	2541.0	2521.6	2507.1	2488.8	2459.8	2429.3
5°	2732.9	2721.8	2726.6	2710.6	2701.0	2676.8	2637.7	2601.9	2560.3	2504.2	2448.7
7.5°	2895.8	2887.5	2889.0	2869.2	2848.9	2808.3	2750.8	2691.3	2623.6	2542.9	2458.8
10°	3036.9	3033.0	3038.8	3006.4	2977.9	2923.3	2849.4	2765.3	2671.5	2562.7	2454.5
12.5°	3193.5	3182.4	3187.7	3151.9	3114.2	3042.7	2948.9	2841.6	2720.8	2584.5	2447.7
15°	3343.8	3345.8	3342.9	3305.2	3257.3	3168.9	3054.8	2920.9	2772.0	2604.8	2439.5
17.5°	3475.3	3482.6	3480.6	3441.5	3376.2	3278.6	3147.1	2986.6	2808.3	2611.6	2415.3
20°	3593.2	3598.6	3595.2	3553.1	3478.7	3367.5	3218.6	3034.5	2826.6	2599.5	2377.1
22.5°	3697.2	3700.5	3697.6	3651.2	3568.1	3444.4	3279.1	3070.3	2835.3	2583.5	2338.5
25°	3804.5	3803.5	3801.1	3750.8	3659.9	3521.7	3337.1	3104.1	2847.4	2571.4	2302.2
27.5°	3894.4	3902.1	3895.8	3848.4	3749.4	3594.7	3388.3	3134.1	2857.1	2556.4	2261.6
30°	3978.5	3975.6	3970.7	3920.5	3816.1	3648.3	3421.6	3149.0	2853.2	2530.3	2213.3
32.5°	4033.1	4033.1	4022.0	3973.6	3865.8	3685.1	3441.0	3155.3	2839.7	2494.1	2153.3
35°	4077.6	4076.1	4065.5	4017.1	3906.5	3716.0	3456.9	3156.3	2821.8	2454.0	2089.5
37.5°	4108.0	4107.0	4096.9	4046.6	3931.6	3729.5	3464.2	3149.0	2795.2	2405.6	2020.4
39°	4115.3	4115.3	4105.6	4054.4	3939.8	3730.5	3464.2	3140.8	2774.0	2374.2	1976.4
40°	4114.3	4114.3	4104.6	4054.8	3939.3	3726.2	3459.3	3130.7	2757.5	2350.5	1946.0
42.5°	4094.0	4095.0	4085.3	4037.9	3923.4	3705.4	3432.3	3095.9	2707.3	2284.8	1864.3
45°	4048.6	4048.6	4039.9	3995.4	3877.9	3659.9	3385.4	3038.8	2643.0	2206.0	1775.8
47.5°	3971.2	3973.2	3963.5	3922.4	3803.5	3596.6	3323.0	2968.7	2564.2	2119.0	1675.3
50°	3863.4	3866.3	3856.7	3816.5	3708.3	3508.7	3237.5	2880.8	2466.1	2022.3	1567.0
52.5°	3717.9	3718.9	3714.6	3680.2	3582.6	3392.2	3127.8	2773.0	2357.8	1907.3	1451.5
55°	3534.8	3538.6	3532.8	3500.4	3419.2	3247.2	2994.4	2643.9	2230.2	1786.5	1325.4
57.5°	3307.1	3311.4	3307.6	3282.0	3218.6	3071.2	2834.4	2494.1	2102.1	1647.7	1192.9
60°	3068.3	3074.1	3069.8	3046.1	2985.2	2867.7	2651.7	2324.4	1938.2	1499.4	1056.6
62.5°	2805.4	2810.2	2806.3	2800.5	2743.0	2641.0	2454.9	2138.8	1770.5	1346.1	917.9
65°	2458.8	2465.6	2452.0	2477.2	2467.0	2366.0	2221.5	1939.7	1580.1	1170.7	782.1
67.5°	2229.7	2231.6	2211.3	2188.6	2117.6	2099.2	1974.5	1725.1	1384.3	1004.9	645.8
70°	1855.1	1818.9	1823.7	1854.1	1880.7	1778.3	1708.6	1491.1	1178.9	831.4	515.3
72.5°	1408.0	1377.6	1385.3	1403.2	1449.1	1496.0	1390.1	1255.3	970.1	670.9	385.7
75°	991.4	960.4	969.6	984.6	1019.9	1062.9	1090.0	974.4	748.7	506.6	280.8
77.5°	618.2	609.0	598.4	608.1	635.1	673.3	706.2	700.4	536.0	353.8	183.7
80°	293.9	285.7	280.3	288.1	305.5	350.9	379.4	379.4	329.6	216.5	104.4
82.5°	54.1	52.7	52.2	59.0	66.7	104.9	138.2	154.2	149.4	100.1	43.0
85°	25.1	23.7	24.2	24.7	25.1	28.0	29.5	35.3	41.6	27.6	14.0
87.5°	8.7	9.2	9.2	10.2	9.7	10.6	11.1	12.1	11.1	8.7	7.3
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: P231781
 CATALOG NUMBER: AXCL6A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3
2.5°	2413.9	2400.3	2374.7	2347.6	2323.5	2296.9	2280.0	2270.8	2259.7	2261.6	2255.3
5°	2421.1	2393.1	2343.3	2293.5	2249.5	2205.1	2174.1	2152.8	2135.0	2133.5	2127.7
7.5°	2417.7	2375.7	2301.7	2230.2	2166.4	2103.1	2058.1	2027.7	2001.1	1996.2	1990.9
10°	2400.8	2347.6	2250.5	2154.8	2074.1	1993.8	1936.3	1895.2	1861.4	1853.2	1845.4
12.5°	2381.0	2317.2	2196.4	2081.3	1985.1	1896.2	1822.7	1770.5	1731.8	1713.0	1711.1
15°	2359.7	2282.9	2138.3	2007.8	1891.8	1794.7	1711.5	1650.6	1604.7	1583.0	1579.6
17.5°	2323.5	2233.6	2069.2	1919.9	1789.4	1682.1	1589.3	1521.1	1468.9	1444.7	1439.4
20°	2271.8	2172.2	1988.0	1820.8	1676.7	1557.4	1458.3	1384.8	1327.8	1298.3	1291.5
22.5°	2220.0	2109.8	1907.3	1723.6	1565.6	1434.6	1325.8	1247.0	1185.7	1153.3	1147.0
25°	2172.7	2054.2	1829.5	1630.8	1458.3	1314.7	1195.8	1104.5	1046.5	1011.2	1003.9
27.5°	2120.5	1991.4	1748.3	1534.6	1349.5	1193.9	1065.3	967.7	905.3	867.1	873.4
30°	2058.1	1918.4	1658.9	1425.4	1232.5	1068.2	931.4	829.4	764.7	723.1	729.4
32.5°	1987.1	1838.7	1563.2	1318.1	1118.0	940.1	802.4	693.6	626.9	588.7	587.8
35°	1913.1	1755.5	1462.1	1211.3	1000.5	813.5	669.4	562.1	482.9	449.5	447.1
37.5°	1834.3	1668.5	1369.8	1103.0	885.0	691.7	545.2	427.8	354.3	313.7	310.8
39°	1786.0	1616.8	1309.4	1036.3	814.9	619.2	470.3	351.4	276.5	239.3	237.3
40°	1751.7	1581.0	1267.8	992.3	768.5	572.3	420.0	300.6	230.1	195.3	192.9
42.5°	1666.6	1486.3	1163.9	881.2	653.0	457.3	300.2	191.4	146.9	134.4	133.4
45°	1566.1	1382.4	1050.8	773.4	540.4	342.7	194.3	131.5	114.1	107.8	106.8
47.5°	1462.1	1274.6	938.2	665.1	434.1	237.3	129.1	104.9	94.3	90.4	89.9
50°	1351.0	1162.0	836.2	559.2	330.1	150.3	101.5	86.5	80.2	77.8	77.3
52.5°	1239.8	1046.5	723.6	451.9	231.5	106.8	84.1	74.0	70.1	68.6	68.2
55°	1110.7	930.0	613.9	357.2	148.4	86.0	70.6	64.3	61.9	59.5	59.5
57.5°	992.3	812.0	511.9	263.9	98.6	70.6	60.4	56.1	53.2	51.2	50.8
60°	865.7	694.6	411.8	179.3	76.9	59.0	52.7	49.3	46.4	44.5	44.0
62.5°	738.6	578.1	318.5	107.8	61.4	49.8	46.4	43.0	40.6	38.7	38.7
65°	614.8	468.4	232.5	71.1	49.8	42.5	39.6	37.2	35.3	33.8	33.8
67.5°	494.5	361.1	157.6	54.1	40.1	36.3	34.3	32.4	30.5	29.5	29.5
70°	381.4	268.7	94.7	40.6	32.9	30.5	29.5	27.6	26.6	25.1	25.1
72.5°	278.9	186.6	51.7	31.4	26.6	25.1	24.7	23.2	22.2	21.3	21.3
75°	195.8	118.4	32.4	24.2	20.8	20.3	20.3	19.3	18.4	17.4	17.4
77.5°	121.3	65.7	22.2	17.4	16.0	16.0	16.0	15.0	14.0	13.5	13.1
80°	64.8	31.4	15.0	12.6	11.6	11.6	11.6	11.1	10.2	9.7	9.2
82.5°	27.1	14.5	9.7	8.2	7.3	7.7	7.7	6.8	5.8	4.8	4.8
85°	10.2	8.2	6.8	5.8	5.3	4.8	4.4	3.4	2.4	1.9	1.9
87.5°	6.3	5.8	5.3	4.8	4.4	3.4	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)