

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: P#

Luminaire Tested: **AXCL8A-C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
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: AXCL8A-C
Description: AXCENT CUTOFF WALLPACK
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9531.2 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 0.29' x L: 0.75' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

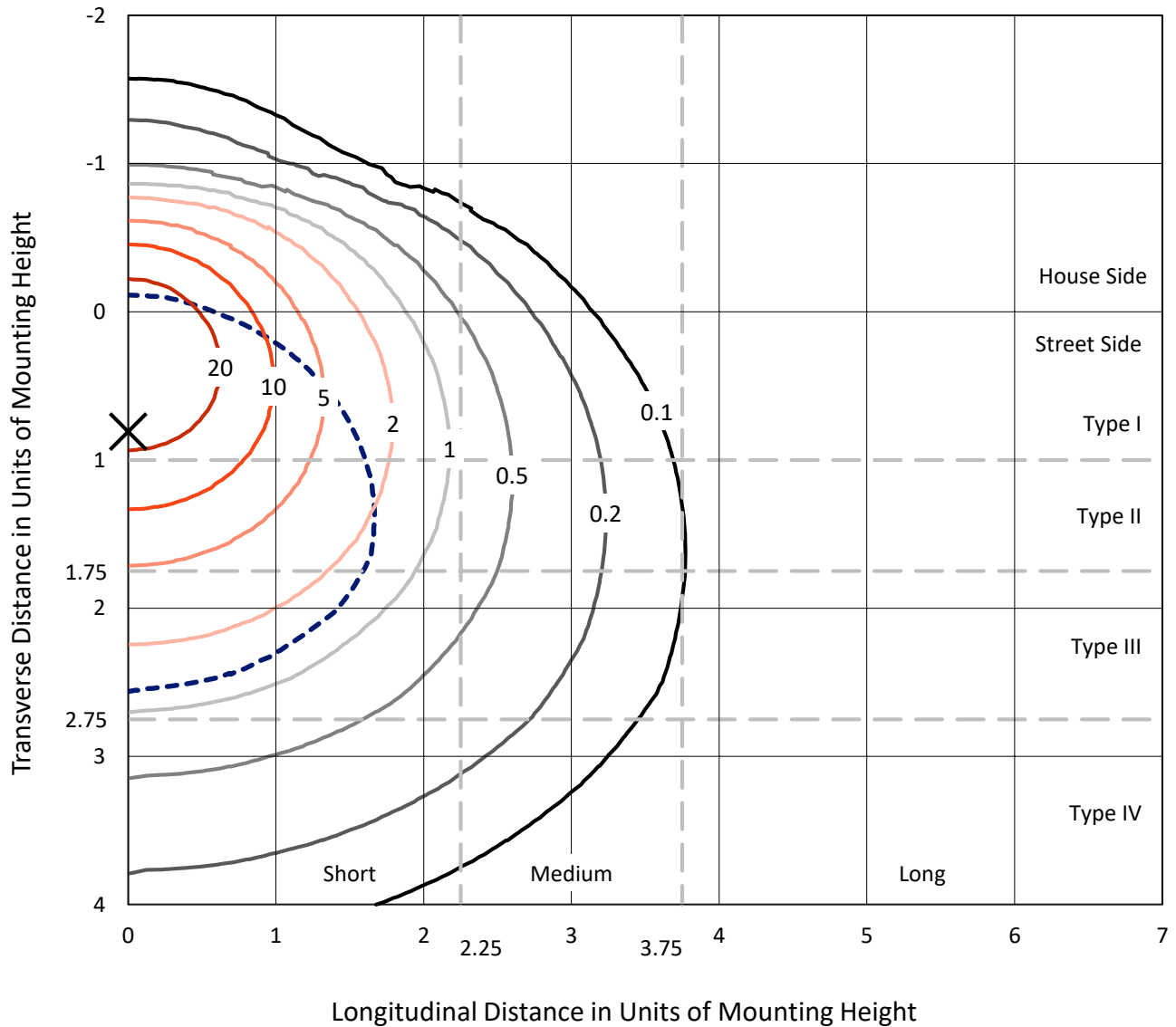
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

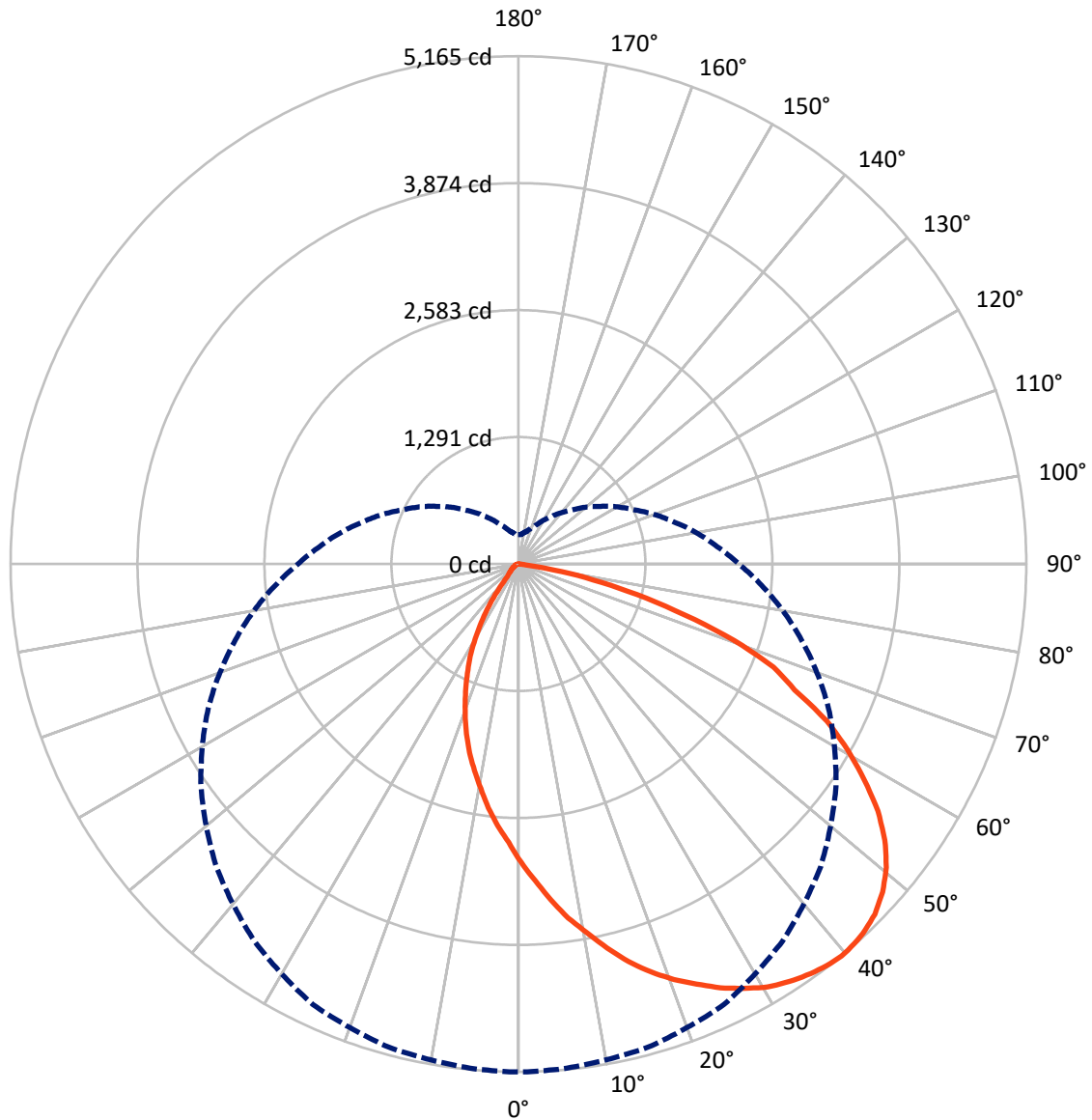
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 37.7 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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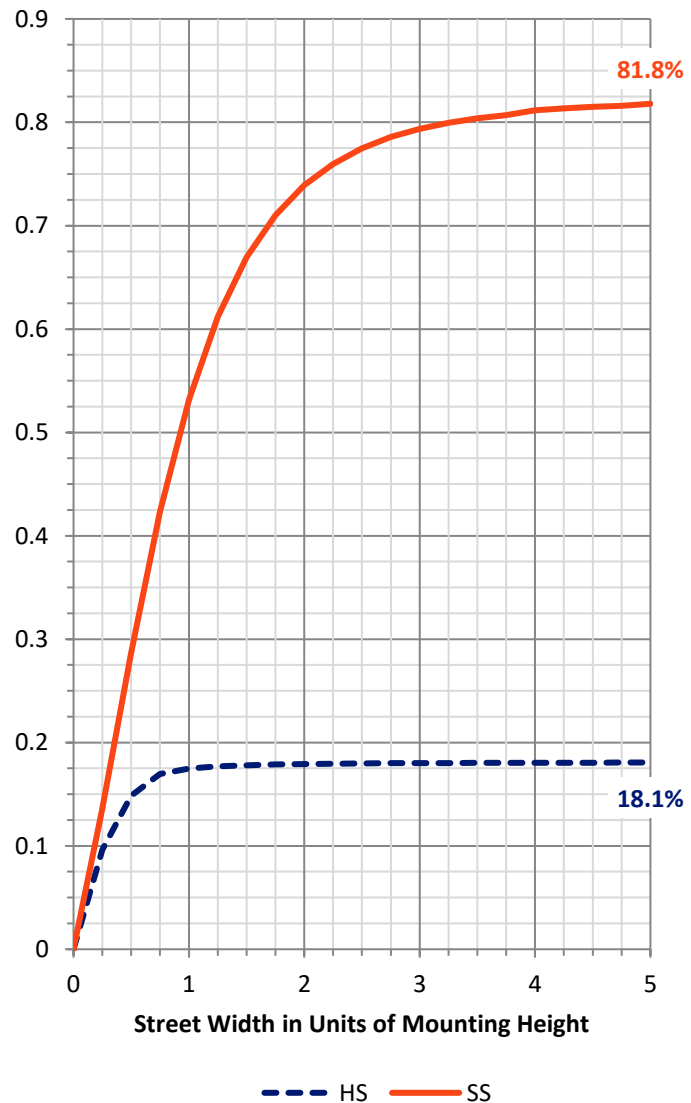
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1738.5	0.0	1738.5
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	7792.7	0.0	7792.7
	% Fixture	81.8	0.0	81.8
Total	Lumens	9531.2	0.0	9531.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.5	3.0
10°-20°	856.7	9.0
20°-30°	1336.7	14.0
30°-40°	1662.4	17.4
40°-50°	1789.2	18.8
50°-60°	1681.1	17.6
60°-70°	1273.4	13.4
70°-80°	589.5	6.2
80°-90°	51.7	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°	9531.2	100.0
0°-180°	9531.2	100.0



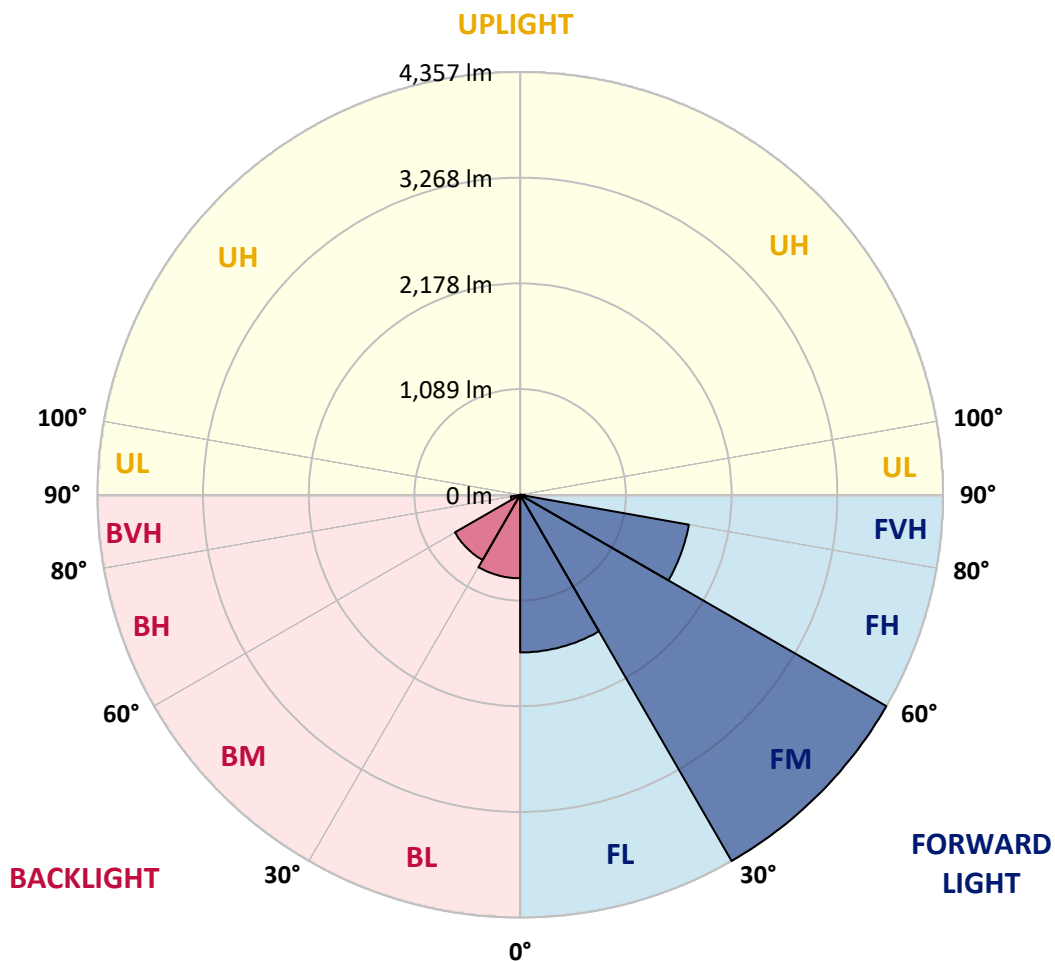
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1623.9	17.0			
FM (30°-60°)	4356.7	45.7			
FH (60°-80°)	1764.5	18.5			G1/1800
FVH (80°-90°)	47.6	0.5			G1/100
BL (0°-30°)	859.9	9.0	B2/1000		
BM (30°-60°)	776.0	8.1	B1/1000		
BH (60°-80°)	98.4	1.0	B0/110		G0/110
BVH (80°-90°)	4.1	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°	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7
2.5°	3221.3	3208.6	3215.3	3203.7	3202.5	3189.2	3164.9	3146.7	3123.6	3087.2	3049.0
5°	3430.0	3416.1	3422.1	3402.1	3390.0	3359.6	3310.5	3265.6	3213.4	3143.1	3073.3
7.5°	3634.4	3624.1	3626.0	3601.1	3575.6	3524.6	3452.5	3377.8	3292.9	3191.6	3086.0
10°	3811.6	3806.7	3814.0	3773.4	3737.6	3669.0	3576.2	3470.7	3353.0	3216.5	3080.6
12.5°	4008.1	3994.2	4000.9	3956.0	3908.7	3818.9	3701.2	3566.5	3414.8	3243.8	3072.1
15°	4196.8	4199.2	4195.6	4148.3	4088.2	3977.2	3834.0	3666.0	3479.1	3269.2	3061.8
17.5°	4361.8	4370.9	4368.5	4319.4	4237.5	4114.9	3949.9	3748.5	3524.6	3277.7	3031.4
20°	4509.8	4516.5	4512.3	4459.5	4366.1	4226.5	4039.7	3808.6	3547.7	3262.6	2983.5
22.5°	4640.3	4644.5	4640.9	4582.6	4478.3	4323.0	4115.5	3853.5	3558.6	3242.6	2935.0
25°	4775.0	4773.7	4770.7	4707.6	4593.6	4420.1	4188.3	3895.9	3573.8	3227.4	2889.5
27.5°	4887.8	4897.5	4889.6	4830.2	4705.8	4511.7	4252.6	3933.5	3585.9	3208.6	2838.5
30°	4993.3	4989.7	4983.6	4920.6	4789.5	4579.0	4294.5	3952.3	3581.1	3175.8	2777.9
32.5°	5061.9	5061.9	5047.9	4987.3	4852.0	4625.1	4318.8	3960.2	3564.1	3130.3	2702.6
35°	5117.7	5115.9	5102.5	5041.9	4903.0	4663.9	4338.8	3961.4	3541.6	3080.0	2622.6
37.5°	5155.9	5154.7	5142.0	5078.9	4934.5	4680.9	4347.9	3952.3	3508.3	3019.3	2535.8
39°	5165.0	5165.0	5152.9	5088.6	4944.8	4682.1	4347.9	3942.0	3481.6	2979.9	2480.6
40°	5163.8	5163.8	5151.7	5089.2	4944.2	4676.7	4341.8	3929.3	3460.9	2950.1	2442.4
42.5°	5138.3	5139.6	5127.4	5068.0	4924.2	4650.6	4307.8	3885.6	3397.9	2867.6	2339.9
45°	5081.3	5081.3	5070.4	5014.6	4867.2	4593.6	4249.0	3814.0	3317.2	2768.8	2228.8
47.5°	4984.2	4986.7	4974.5	4923.0	4773.7	4514.1	4170.7	3726.1	3218.3	2659.6	2102.7
50°	4849.0	4852.6	4840.5	4790.1	4654.2	4403.7	4063.4	3615.6	3095.1	2538.2	1966.8
52.5°	4666.4	4667.6	4662.1	4619.0	4496.5	4257.5	3925.6	3480.4	2959.2	2393.8	1821.8
55°	4436.4	4441.3	4434.0	4393.4	4291.5	4075.5	3758.2	3318.4	2799.1	2242.2	1663.4
57.5°	4150.7	4156.2	4151.3	4119.2	4039.7	3854.7	3557.4	3130.3	2638.3	2068.1	1497.2
60°	3851.0	3858.3	3852.8	3823.1	3746.7	3599.3	3328.1	2917.4	2432.7	1881.8	1326.1
62.5°	3521.0	3527.1	3522.2	3514.9	3442.7	3314.7	3081.2	2684.4	2222.2	1689.5	1152.0
65°	3086.0	3094.5	3077.5	3109.1	3096.3	2969.6	2788.2	2434.5	1983.1	1469.3	981.6
67.5°	2798.5	2800.9	2775.4	2746.9	2657.7	2634.7	2478.2	2165.1	1737.5	1261.2	810.5
70°	2328.3	2282.8	2288.9	2327.1	2360.5	2231.9	2144.5	1871.5	1479.6	1043.4	646.7
72.5°	1767.2	1729.0	1738.7	1761.1	1818.7	1877.6	1744.7	1575.5	1217.5	842.0	484.1
75°	1244.2	1205.4	1216.9	1235.7	1280.0	1334.0	1368.0	1223.0	939.7	635.8	352.5
77.5°	775.9	764.4	751.0	763.2	797.1	845.1	886.3	879.0	672.8	444.1	230.5
80°	368.8	358.5	351.9	361.6	383.4	440.4	476.2	476.2	413.7	271.8	131.0
82.5°	67.9	66.1	65.5	74.0	83.7	131.6	173.5	193.5	187.5	125.6	54.0
85°	31.5	29.7	30.3	30.9	31.5	35.2	37.0	44.3	52.2	34.6	17.6
87.5°	10.9	11.5	11.5	12.7	12.1	13.3	14.0	15.2	14.0	10.9	9.1
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°	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7	3032.7
2.5°	3029.6	3012.6	2980.5	2946.5	2916.2	2882.8	2861.6	2850.0	2836.1	2838.5	2830.6
5°	3038.7	3003.5	2941.0	2878.6	2823.4	2767.5	2728.7	2702.0	2679.6	2677.8	2670.5
7.5°	3034.5	2981.7	2888.9	2799.1	2719.0	2639.5	2583.1	2544.9	2511.5	2505.5	2498.8
10°	3013.2	2946.5	2824.6	2704.5	2603.1	2502.4	2430.2	2378.7	2336.2	2325.9	2316.2
12.5°	2988.4	2908.3	2756.6	2612.2	2491.5	2379.9	2287.7	2222.2	2173.6	2150.0	2147.5
15°	2961.7	2865.2	2683.8	2520.0	2374.4	2252.5	2148.2	2071.7	2014.1	1986.8	1982.5
17.5°	2916.2	2803.3	2597.1	2409.6	2245.8	2111.1	1994.7	1909.1	1843.6	1813.3	1806.6
20°	2851.3	2726.3	2495.2	2285.3	2104.5	1954.6	1830.3	1738.1	1666.5	1629.5	1621.0
22.5°	2786.4	2648.0	2393.8	2163.3	1964.9	1800.5	1664.0	1565.2	1488.1	1447.5	1439.6
25°	2726.9	2578.3	2296.2	2046.8	1830.3	1650.1	1500.9	1386.2	1313.4	1269.1	1260.0
27.5°	2661.4	2499.4	2194.3	1926.1	1693.8	1498.4	1337.1	1214.5	1136.3	1088.3	1096.2
30°	2583.1	2407.8	2082.0	1789.0	1547.0	1340.7	1169.0	1041.0	959.7	907.6	915.4
32.5°	2493.9	2307.7	1961.9	1654.3	1403.2	1179.9	1007.0	870.5	786.8	738.9	737.7
35°	2401.1	2203.4	1835.1	1520.3	1255.8	1021.0	840.2	705.5	606.0	564.2	561.2
37.5°	2302.2	2094.2	1719.3	1384.4	1110.8	868.1	684.3	536.9	444.7	393.7	390.1
39°	2241.6	2029.2	1643.4	1300.7	1022.8	777.1	590.3	441.0	347.0	300.3	297.9
40°	2198.5	1984.4	1591.2	1245.5	964.6	718.3	527.2	377.3	288.8	245.1	242.1
42.5°	2091.7	1865.5	1460.8	1105.9	819.6	573.9	376.7	240.2	184.4	168.6	167.4
45°	1965.6	1735.0	1318.9	970.6	678.2	430.1	243.9	165.0	143.2	135.3	134.1
47.5°	1835.1	1599.7	1177.5	834.8	544.8	297.9	162.0	131.6	118.3	113.4	112.8
50°	1695.6	1458.4	1049.5	701.9	414.3	188.7	127.4	108.6	100.7	97.7	97.1
52.5°	1556.1	1313.4	908.2	567.2	290.6	134.1	105.6	92.8	88.0	86.1	85.5
55°	1394.1	1167.2	770.4	448.3	186.2	108.0	88.6	80.7	77.7	74.6	74.6
57.5°	1245.5	1019.2	642.4	331.2	123.8	88.6	75.8	70.4	66.7	64.3	63.7
60°	1086.5	871.8	516.9	225.1	96.5	74.0	66.1	61.9	58.2	55.8	55.2
62.5°	927.0	725.6	399.8	135.3	77.0	62.5	58.2	54.0	51.0	48.5	48.5
65°	771.7	587.8	291.8	89.2	62.5	53.4	49.7	46.7	44.3	42.5	42.5
67.5°	620.6	453.2	197.8	67.9	50.4	45.5	43.1	40.6	38.2	37.0	37.0
70°	478.6	337.3	118.9	51.0	41.3	38.2	37.0	34.6	33.4	31.5	31.5
72.5°	350.0	234.2	64.9	39.4	33.4	31.5	30.9	29.1	27.9	26.7	26.7
75°	245.7	148.6	40.6	30.3	26.1	25.5	25.5	24.3	23.1	21.8	21.8
77.5°	152.3	82.5	27.9	21.8	20.0	20.0	20.0	18.8	17.6	17.0	16.4
80°	81.3	39.4	18.8	15.8	14.6	14.6	14.6	14.0	12.7	12.1	11.5
82.5°	34.0	18.2	12.1	10.3	9.1	9.7	9.7	8.5	7.3	6.1	6.1
85°	12.7	10.3	8.5	7.3	6.7	6.1	5.5	4.2	3.0	2.4	2.4
87.5°	7.9	7.3	6.7	6.1	5.5	4.2	3.6	2.4	1.2	0.6	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)