

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: McGRAW-EDISON

Report Number: P647014

Luminaire Tested: **GALN-SA6C-835-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-835-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27380.7 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

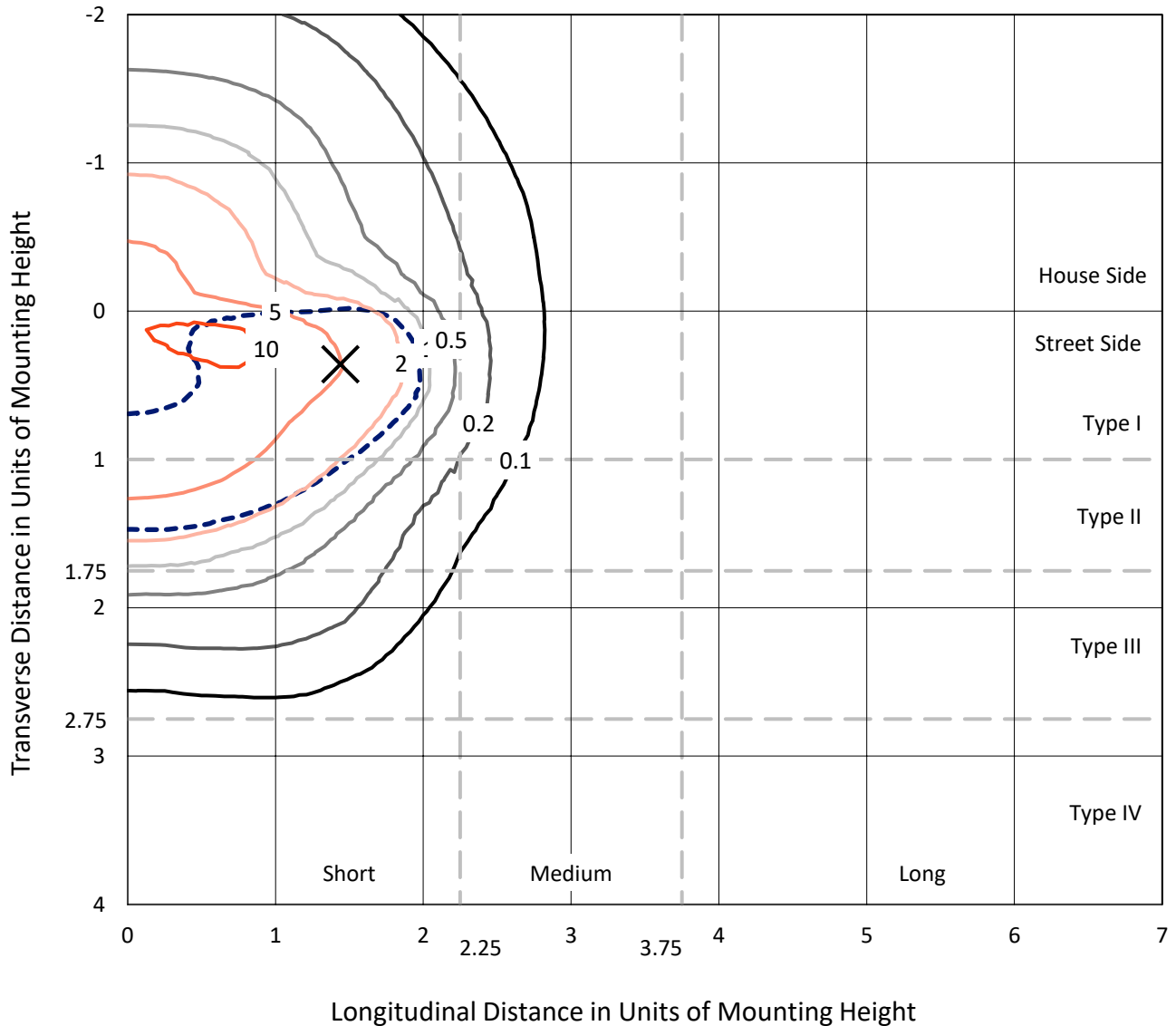
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

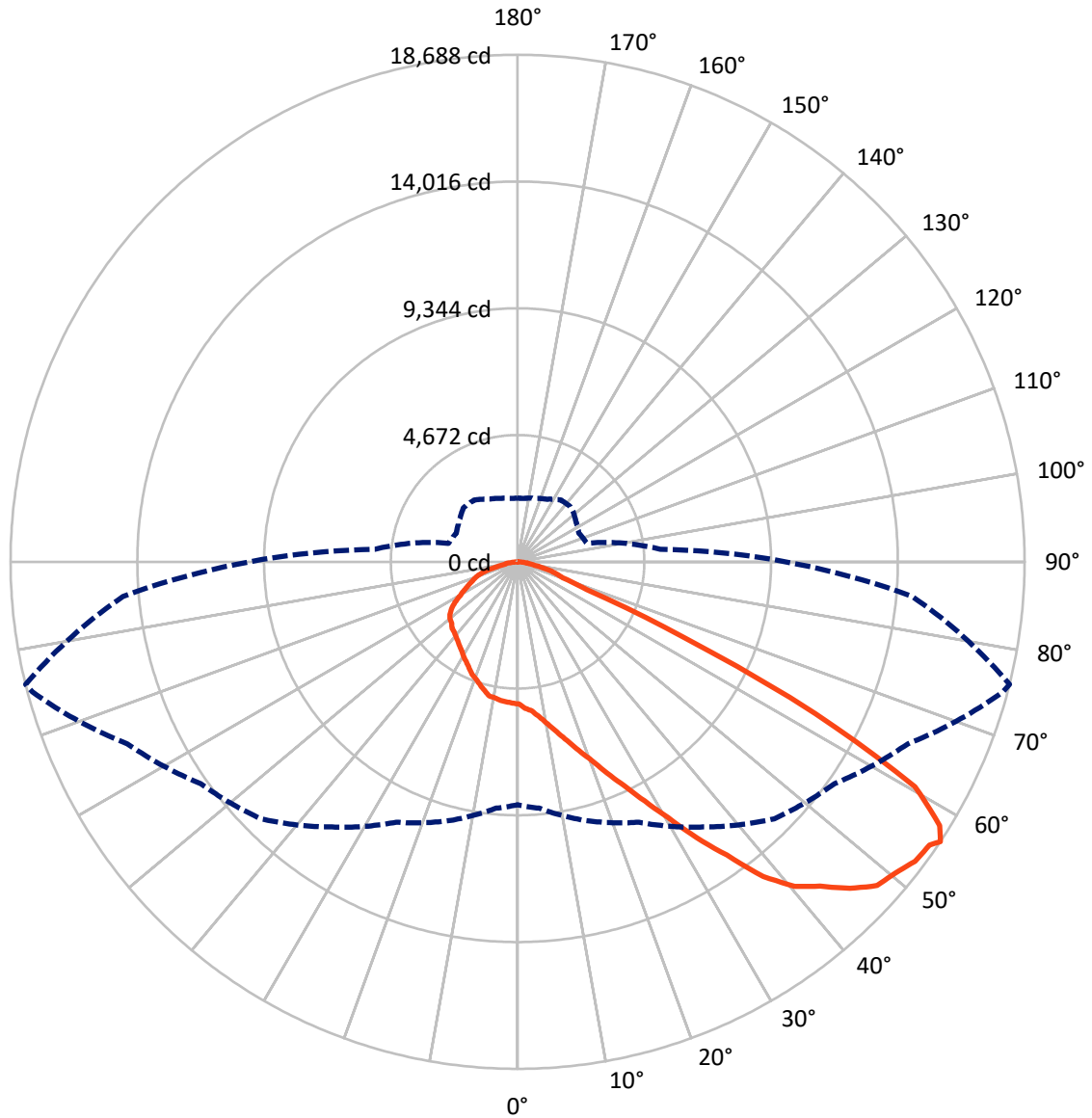
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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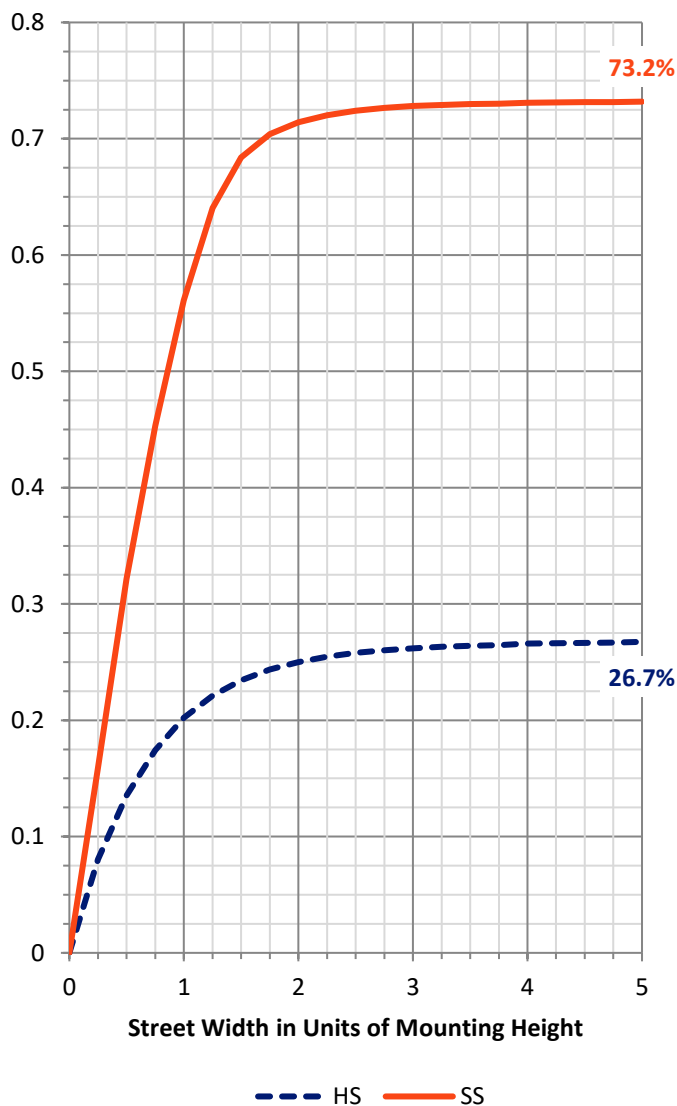
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7361.9	0.0	7361.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	20018.9	0.0	20018.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	27380.7	0.0	27380.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.5	1.9
10°-20°	1632.0	6.0
20°-30°	2854.3	10.4
30°-40°	4468.9	16.3
40°-50°	6501.0	23.7
50°-60°	7145.0	26.1
60°-70°	3189.2	11.6
70°-80°	921.2	3.4
80°-90°	149.4	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°	27380.7	100.0
0°-180°	27380.7	100.0

Coefficient of Utilization

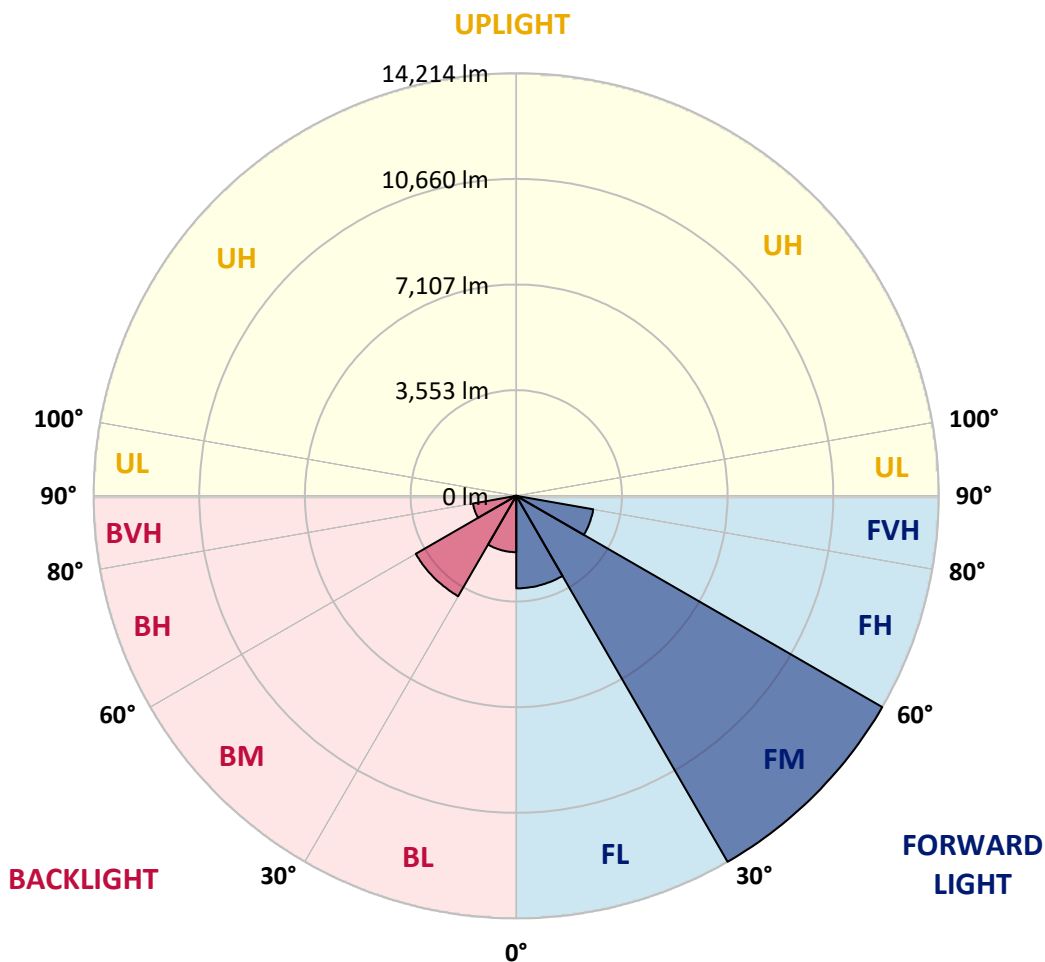


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3111.5	11.4			
FM (30°-60°)	14213.8	51.9			
FH (60°-80°)	2629.2	9.6			G2/5000
FVH (80°-90°)	64.3	0.2			G1/100
BL (0°-30°)	1894.3	6.9	B3/2500		
BM (30°-60°)	3901.2	14.2	B3/5000		
BH (60°-80°)	1481.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	85.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0
2.5°	5771.3	5679.1	5672.0	5647.2	5661.3	5597.4	5530.0	5441.3	5349.0	5405.8	5270.9
5°	6176.0	6051.8	6101.4	6016.3	6026.9	5941.7	5803.3	5700.4	5586.8	5519.4	5423.5
7.5°	6317.9	6328.6	6364.1	6349.9	6279.0	6279.0	6186.6	6005.6	5806.9	5767.8	5608.1
10°	6509.6	6513.2	6474.2	6484.8	6584.2	6538.0	6456.4	6378.3	6122.7	6076.6	5792.6
12.5°	6577.1	6513.2	6577.1	6633.9	6751.0	6814.9	6797.1	6740.4	6467.0	6435.1	6019.9
15°	6587.8	6548.7	6601.9	6729.7	6832.6	7102.4	7237.3	7198.2	6836.2	6839.7	6275.4
17.5°	6538.0	6591.3	6612.6	6722.6	6960.4	7212.4	7602.9	7656.1	7357.9	7311.8	6598.3
20°	6605.5	6566.5	6594.8	6694.2	7010.1	7404.1	7915.2	8266.6	7847.8	7815.8	6932.1
22.5°	6864.6	6811.3	6804.3	6868.2	7095.3	7503.5	8245.3	8877.1	8444.1	8461.8	7347.3
25°	7066.9	7095.3	7070.5	7066.9	7208.8	7652.6	8681.9	9604.7	9253.3	9150.5	7837.1
27.5°	7414.8	7482.2	7432.5	7500.0	7468.0	7876.2	8994.2	10410.5	10126.5	9988.1	8280.8
30°	7897.5	7933.0	7886.8	7886.8	7791.0	8188.5	9278.2	11251.7	11134.6	10946.4	8802.6
32.5°	8532.8	8586.1	8493.7	8440.5	8426.3	8653.5	9789.3	12082.2	12281.0	12121.3	9494.7
35°	9374.0	9342.1	9232.0	9182.4	8990.7	9367.0	10548.9	13037.0	13558.8	13274.8	10332.4
37.5°	10115.9	10066.2	10059.0	9782.2	9828.4	10137.2	11194.9	13761.1	14797.5	14715.9	11216.2
40°	10808.0	10854.1	10928.6	10772.5	10701.5	11042.3	11947.3	14314.8	15759.4	15727.5	11897.7
42.5°	11549.8	11507.2	11638.6	11507.2	11400.7	11883.4	12763.8	14698.2	16604.2	16341.5	12611.1
45°	12625.3	12490.4	12536.5	12547.2	12469.1	12646.6	13100.9	14975.0	17197.0	17168.5	13132.9
47.5°	13523.3	13526.9	13448.8	13388.4	13150.6	13328.1	13477.2	15148.9	17878.5	17832.3	13335.2
50°	13857.0	13810.8	14037.9	14169.3	14183.5	13821.4	13771.8	15244.8	18236.9	18034.6	13537.5
52.5°	12657.3	12699.9	13058.3	13839.2	14290.0	14329.1	14116.1	15443.6	18382.5	18339.9	13700.8
55°	10186.8	10392.7	10981.9	11883.4	12951.8	14126.7	14488.8	15649.4	18460.6	18425.1	14424.9
56°	8955.2	9114.9	9881.6	10588.0	11929.6	13392.0	14254.5	15869.5	18520.9	18687.7	14595.2
57.5°	7208.8	7393.5	7943.6	8745.8	10328.8	11993.5	13608.5	15599.7	18286.7	18350.5	14719.5
60°	4507.7	4525.5	5185.7	5714.6	6829.1	8454.8	10385.6	13573.0	16923.7	16831.4	13221.6
62.5°	2956.7	2960.2	3560.1	3993.1	4500.7	4873.4	6112.1	9001.4	12486.9	12323.6	9413.1
65°	2076.4	2122.6	2587.5	3166.1	3372.0	3176.7	3137.7	4745.6	6974.7	6740.4	5057.9
67.5°	1519.2	1522.7	1934.4	2555.6	2853.7	2417.1	1962.8	2317.8	2761.5	2754.4	2342.7
70°	1004.5	1047.1	1363.0	1909.6	2250.3	1941.5	1604.4	1657.6	1757.0	1757.0	1742.8
72.5°	585.7	624.7	834.1	1210.4	1263.6	1213.9	1270.7	1419.7	1483.6	1480.1	1462.3
75°	333.6	351.4	397.5	504.0	628.3	741.8	933.5	1075.5	1139.3	1178.4	1132.3
77.5°	195.2	205.9	234.3	287.5	326.5	401.1	507.5	607.0	692.2	681.5	688.6
80°	103.0	103.0	131.3	170.4	227.1	283.9	337.2	394.0	440.1	450.8	461.4
82.5°	60.4	63.9	85.2	124.3	163.3	202.3	259.1	298.2	340.8	344.3	351.4
85°	31.9	35.5	53.2	81.7	110.0	124.3	127.8	120.7	131.3	124.3	142.0
87.5°	10.6	10.6	17.8	14.2	14.2	17.8	21.3	21.3	28.4	28.4	28.4
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°	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0	5239.0
2.5°	5267.3	5267.3	5207.0	5093.4	5075.6	5029.5	4986.9	4983.4	4951.5	4923.0	4908.9
5°	5366.8	5256.7	5168.0	5065.0	4944.3	4887.6	4823.7	4752.7	4724.3	4752.7	4749.1
7.5°	5480.3	5388.1	5121.8	4930.2	4791.7	4735.0	4663.9	4589.4	4596.5	4596.5	4546.8
10°	5590.3	5466.1	5040.2	4795.2	4592.9	4550.3	4511.3	4539.7	4575.2	4582.3	4550.3
12.5°	5774.9	5494.5	5001.2	4660.4	4532.6	4440.3	4465.2	4543.3	4617.8	4596.5	4621.3
15°	5913.4	5519.4	4823.7	4522.0	4362.2	4404.8	4493.6	4546.8	4671.1	4656.8	4681.7
17.5°	6048.2	5533.5	4649.8	4337.4	4269.9	4387.1	4454.6	4607.2	4646.2	4731.4	4763.3
20°	6325.1	5562.0	4472.3	4223.8	4202.5	4337.4	4454.6	4525.5	4610.7	4685.2	4685.2
22.5°	6467.0	5547.7	4355.1	4074.7	4142.1	4227.3	4333.8	4454.6	4454.6	4525.5	4529.0
25°	6644.5	5490.9	4170.6	4003.7	4053.4	4135.1	4255.8	4213.2	4259.3	4259.3	4316.1
27.5°	6846.9	5370.3	4010.8	3876.0	3975.4	4064.1	4081.9	4053.4	4000.2	3993.1	3971.8
30°	7010.1	5221.2	3893.7	3833.4	3915.0	3964.7	3908.0	3847.6	3755.3	3748.2	3698.5
32.5°	7233.7	5036.6	3748.2	3726.9	3819.2	3822.8	3805.0	3712.7	3577.8	3521.0	3464.2
35°	7610.0	4930.2	3638.1	3670.1	3698.5	3687.9	3655.9	3556.5	3421.6	3396.8	3375.5
37.5°	7886.8	4852.1	3524.6	3563.6	3588.5	3602.7	3506.8	3396.8	3400.3	3350.7	3336.4
40°	8199.2	4802.4	3432.3	3450.1	3453.6	3499.7	3382.6	3329.4	3354.2	3322.3	3343.6
42.5°	8600.2	4816.5	3336.4	3322.3	3389.7	3372.0	3315.1	3244.2	3258.4	3162.5	3176.7
45°	8813.2	4912.4	3279.7	3215.8	3290.3	3286.8	3212.3	3144.8	3059.6	2875.0	2882.1
47.5°	8955.2	4937.3	3144.8	3102.2	3180.3	3226.4	3141.2	2985.0	2864.4	2733.1	2701.1
50°	9100.7	4983.4	3080.9	2992.2	3024.1	3134.1	3027.6	2878.6	2761.5	2644.3	2662.0
52.5°	9228.5	5072.1	2956.7	2825.4	2882.1	3002.8	2946.0	2765.0	2637.2	2541.4	2513.0
55°	9796.4	5270.9	2747.2	2576.9	2711.8	2864.4	2832.4	2612.4	2474.0	2424.2	2417.1
56°	9885.1	5278.0	2637.2	2491.7	2615.9	2818.3	2779.2	2544.9	2420.7	2342.7	2346.2
57.5°	9899.3	5192.8	2481.0	2413.6	2520.1	2750.8	2701.1	2491.7	2321.4	2250.3	2229.0
60°	8710.2	4053.4	2285.8	2243.2	2367.5	2544.9	2527.2	2346.2	2154.5	2072.8	2111.9
62.5°	5938.2	2970.9	2133.2	2126.1	2190.0	2364.0	2317.8	2154.5	1994.8	1941.5	1916.7
65°	3457.1	2253.9	1984.1	1955.7	2008.9	2101.3	2133.2	1962.8	1796.0	1760.5	1749.8
67.5°	2040.9	1863.5	1792.4	1746.3	1728.6	1785.4	1810.2	1710.9	1544.0	1494.3	1536.9
70°	1707.3	1657.6	1661.1	1583.1	1540.5	1501.4	1480.1	1391.4	1253.0	1189.1	1171.3
72.5°	1473.0	1451.7	1437.5	1366.5	1327.5	1238.8	1146.5	1057.8	954.8	901.5	905.1
75°	1125.2	1118.0	1125.2	1089.7	1022.2	951.3	866.1	752.5	674.4	607.0	621.2
77.5°	670.9	692.2	702.8	688.6	660.2	596.3	543.1	468.5	394.0	340.8	333.6
80°	461.4	479.2	496.9	479.2	450.8	404.7	347.8	291.0	237.8	209.5	202.3
82.5°	351.4	369.1	379.8	362.1	326.5	276.9	237.8	198.8	156.2	127.8	120.7
85°	127.8	145.6	142.0	170.4	184.6	177.5	152.6	117.1	88.7	63.9	60.4
87.5°	35.5	31.9	35.5	35.5	35.5	31.9	28.4	28.4	28.4	17.8	14.2
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)