

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642817

Luminaire Tested: GWS-SA6D-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35514.7 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G5

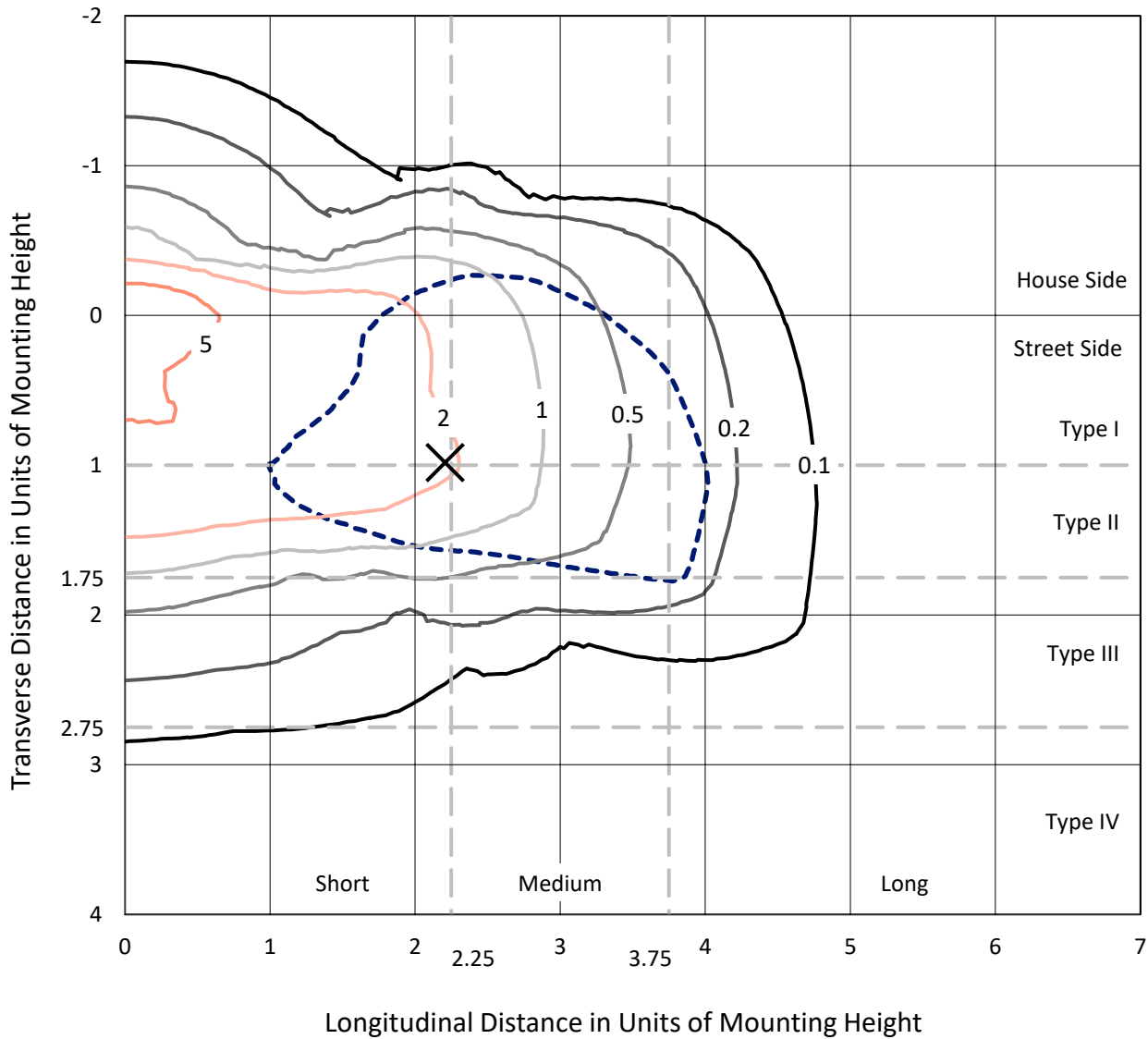
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

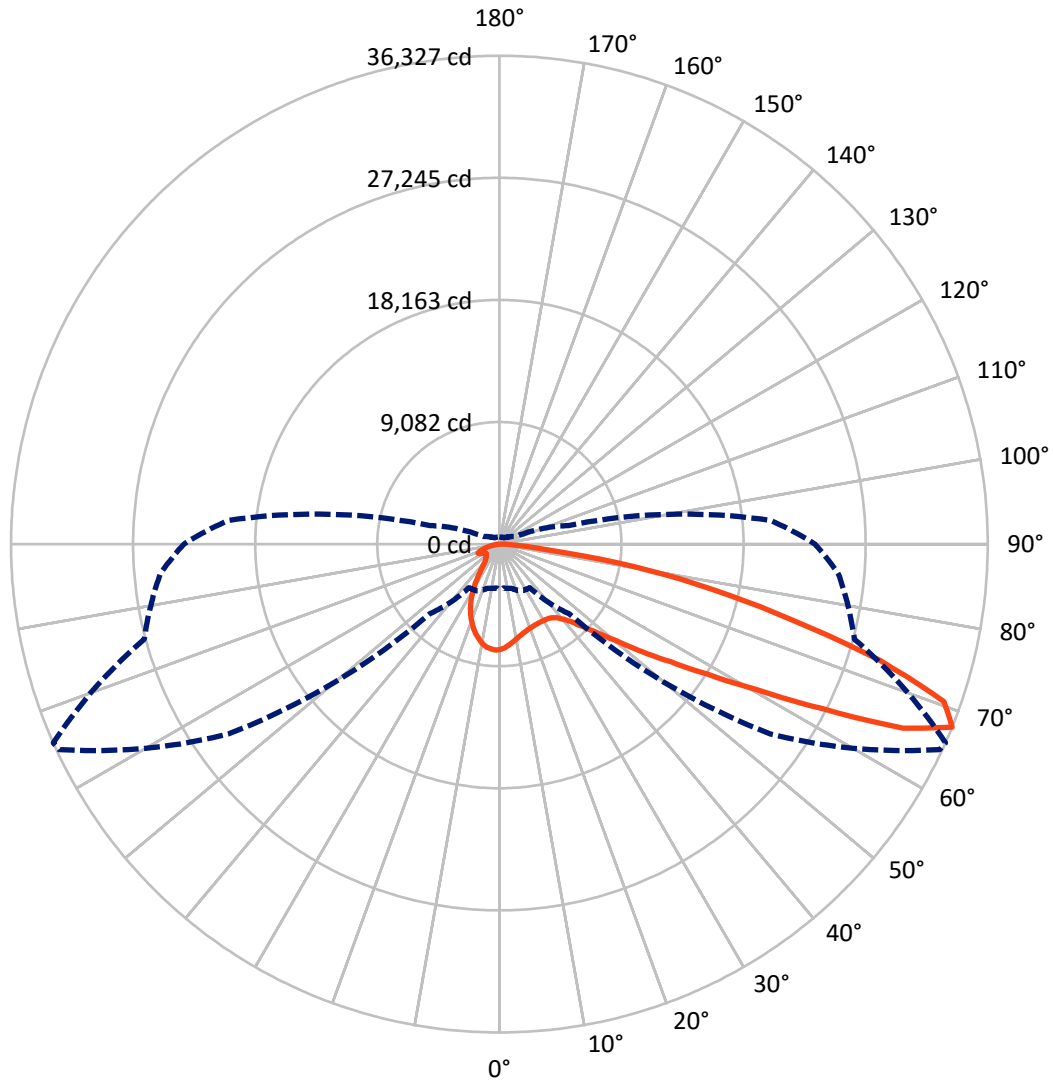
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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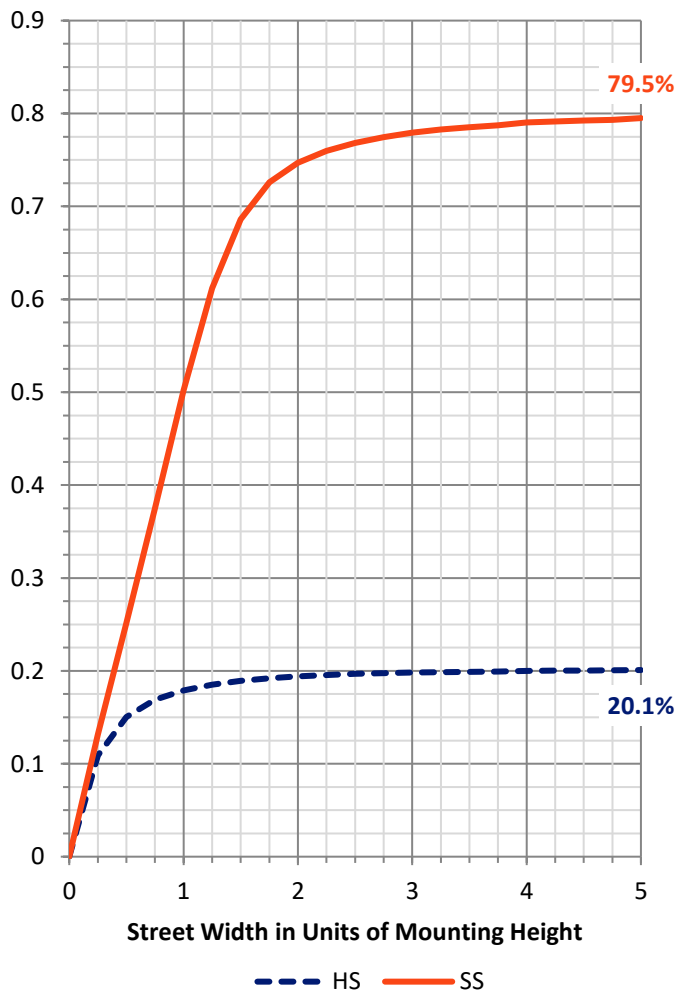
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7206.8	0.0	7206.8
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	28307.9	0.0	28307.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	35514.7	0.0	35514.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.7	1.9
10°-20°	1692.7	4.8
20°-30°	2326.6	6.6
30°-40°	3180.9	9.0
40°-50°	4819.8	13.6
50°-60°	7492.6	21.1
60°-70°	9122.0	25.7
70°-80°	5556.7	15.6
80°-90°	634.7	1.8
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°	35514.7	100.0
0°-180°	35514.7	100.0

Coefficient of Utilization



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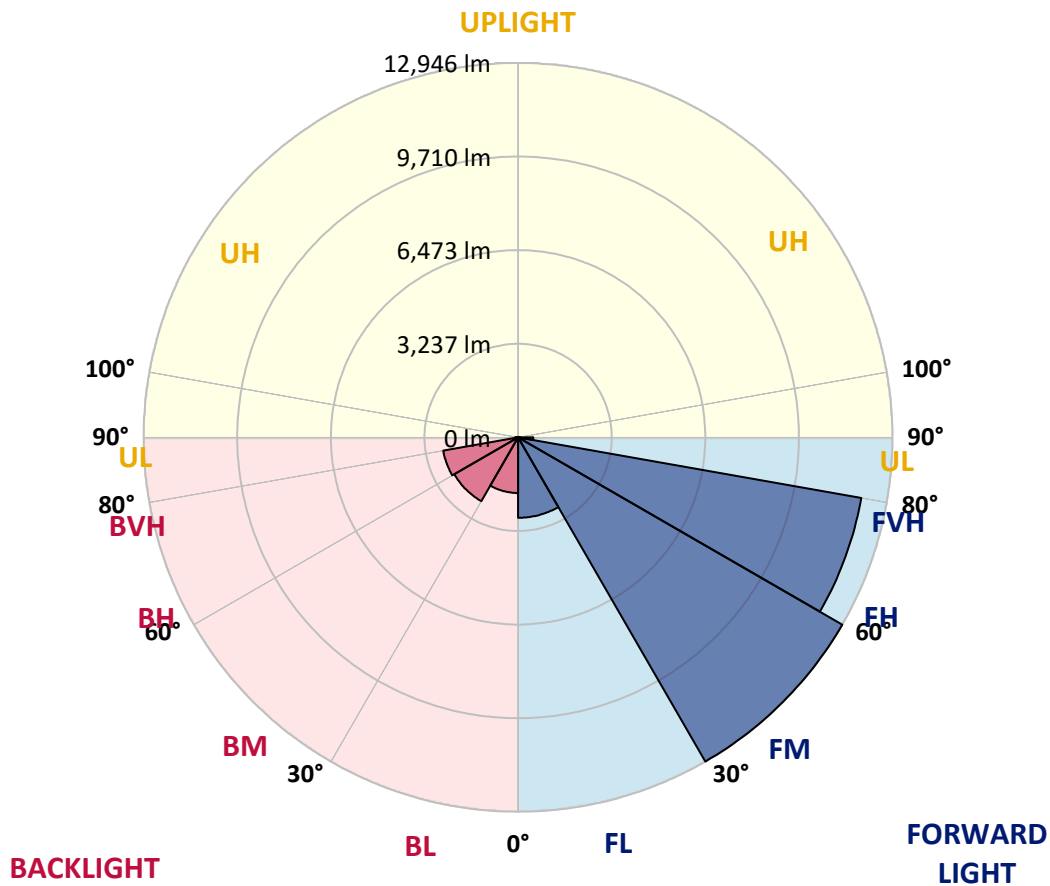
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2782.7	7.8			
FM (30°-60°)	12946.5	36.5			
FH (60°-80°)	12051.0	33.9			G5
FVH (80°-90°)	527.7	1.5			G4/750
BL (0°-30°)	1925.3	5.4	B3/2500		
BM (30°-60°)	2546.8	7.2	B3/5000		
BH (60°-80°)	2627.7	7.4	B4/5000		G4/5000
BVH (80°-90°)	107.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7
2.5°	7350.3	7376.2	7360.7	7459.1	7464.3	7588.7	7658.6	7718.2	7723.4	7801.1	7852.9
5°	6847.7	6863.2	6863.2	6956.5	7018.7	7184.5	7345.1	7516.1	7529.1	7715.6	7858.1
7.5°	6440.9	6456.4	6446.1	6570.4	6650.8	6834.7	7039.4	7301.1	7327.0	7627.5	7876.2
10°	6122.2	6117.0	6142.9	6256.9	6360.6	6580.8	6808.8	7106.8	7145.6	7526.5	7897.0
12.5°	5904.6	5909.8	5925.3	6044.5	6155.9	6373.5	6609.3	6933.2	6974.6	7409.9	7886.6
15°	5801.0	5790.6	5803.5	5912.4	6018.6	6210.3	6453.9	6788.1	6829.5	7306.2	7889.2
17.5°	5777.6	5769.9	5767.3	5845.0	5925.3	6104.1	6337.3	6676.7	6720.7	7238.9	7904.7
20°	5850.2	5839.8	5811.3	5845.0	5878.7	6029.0	6254.4	6596.4	6645.6	7194.8	7935.8
22.5°	6049.7	6031.5	5987.5	5946.0	5902.0	5992.7	6202.5	6536.8	6586.0	7166.3	7966.9
25°	6352.8	6337.3	6290.6	6197.4	6036.7	6021.2	6192.2	6510.9	6560.1	7145.6	7979.9
27.5°	6769.9	6746.6	6700.0	6565.3	6303.6	6127.4	6231.0	6508.3	6554.9	7122.3	7966.9
30°	7264.8	7249.2	7223.3	7060.1	6710.3	6352.8	6319.1	6529.0	6565.3	7109.3	7941.0
32.5°	7767.4	7751.9	7772.6	7694.9	7264.8	6725.9	6510.9	6586.0	6611.9	7106.8	7917.7
35°	8210.5	8228.6	8378.9	8391.8	7969.5	7231.1	6814.0	6718.1	6723.3	7158.6	7928.1
37.5°	8674.2	8744.2	8941.1	9109.5	8757.1	7899.6	7264.8	6966.8	6961.7	7290.7	7992.8
40°	9288.3	9319.4	9570.7	9886.8	9666.5	8816.7	7904.7	7373.6	7337.3	7560.2	8166.4
42.5°	9886.8	9961.9	10363.5	10726.2	10653.7	9850.5	8710.5	7982.5	7917.7	8036.9	8524.0
45°	10648.5	10721.0	11171.8	11638.2	11770.3	11019.0	9741.7	8847.8	8783.0	8754.5	9179.4
47.5°	11410.2	11485.3	11889.5	12563.1	13026.9	12480.2	11083.7	9990.4	9884.2	9772.8	10169.2
50°	11923.2	12011.3	12397.3	13205.7	14293.8	14304.2	12674.5	11487.9	11353.2	11177.0	11563.0
52.5°	11905.0	11962.0	12329.9	13262.7	15205.8	16400.2	14804.2	13394.8	13286.0	12902.5	13239.3
55°	10969.7	11055.2	11425.7	12591.6	15304.3	18387.4	17934.0	15643.7	15449.3	14762.8	15133.3
57.5°	9091.4	9163.9	9537.0	10974.9	14431.1	19405.6	21908.4	18509.2	18242.3	16788.8	17216.3
60°	6863.2	6775.1	6951.3	8210.5	12342.9	19431.5	25416.4	22395.5	21949.8	18954.8	19312.3
62.5°	5150.6	5062.6	5101.4	5456.4	8368.5	17861.4	27416.6	27711.9	26976.1	21400.6	21330.6
65°	4070.3	4021.0	4132.4	4376.0	4878.6	13602.1	27432.1	33461.1	32997.3	24235.0	23400.7
67.5°	3316.3	3285.2	3399.2	3850.0	3956.3	7308.8	24597.7	36145.2	36326.6	27338.8	25320.6
70°	2671.2	2624.5	2803.3	3396.6	3679.0	4422.6	17620.5	34777.2	35070.0	29188.7	24779.1
72.5°	1844.7	1847.3	1938.0	2751.5	3552.1	3818.9	9967.1	28958.1	29592.9	27512.4	21784.0
75°	1243.6	1254.0	1279.9	1816.2	3272.3	3704.9	5311.3	21923.9	22372.1	22740.1	18006.5
77.5°	751.4	756.5	816.1	1098.5	2256.6	3458.8	3598.7	15892.4	16244.7	14990.8	11161.5
80°	435.3	453.4	507.8	735.8	1523.4	2598.6	2785.2	9744.3	10143.2	6663.7	3546.9
82.5°	191.7	204.7	277.2	427.5	888.7	2210.0	2173.7	3850.0	3793.0	1857.7	1230.7
85°	33.7	41.5	59.6	134.7	326.4	1165.9	1686.7	1699.6	1598.6	704.7	510.4
87.5°	0.0	0.0	0.0	0.0	0.0	7.8	253.9	456.0	453.4	199.5	176.2
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°	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7	7847.7
2.5°	7886.6	7816.6	7878.8	7886.6	7873.6	7863.3	7785.6	7718.2	7710.4	7637.9	7637.9
5°	7915.1	7850.3	7881.4	7821.8	7728.6	7632.7	7466.9	7352.9	7301.1	7207.8	7207.8
7.5°	7954.0	7886.6	7850.3	7702.7	7485.0	7275.2	7008.3	6785.5	6694.8	6562.7	6557.5
10°	7990.2	7904.7	7780.4	7492.8	7145.6	6811.4	6422.8	6106.7	5891.6	5733.6	5733.6
12.5°	7987.6	7876.2	7630.1	7205.2	6725.9	6241.4	5723.2	5246.5	4961.5	4715.4	4699.8
15°	7982.5	7829.6	7438.4	6871.0	6236.2	5565.2	4860.5	4238.7	3816.3	3575.4	3554.7
17.5°	7977.3	7770.0	7223.3	6490.1	5640.3	4725.7	3795.6	3122.0	2769.6	2622.0	2627.1
20°	7977.3	7702.7	6992.8	6052.3	4953.7	3720.5	2785.2	2295.5	2207.4	2215.2	2223.0
22.5°	7954.0	7619.7	6736.3	5575.5	4189.4	2736.0	2054.6	1888.7	1935.4	2007.9	2018.3
25°	7899.6	7482.4	6438.3	5047.0	3280.0	1992.4	1676.3	1645.2	1730.7	1821.4	1847.3
27.5°	7814.1	7324.4	6104.1	4427.8	2414.7	1601.2	1474.2	1471.6	1539.0	1606.3	1629.7
30°	7723.4	7148.2	5751.7	3738.6	1748.8	1393.9	1344.7	1344.7	1378.3	1419.8	1414.6
32.5°	7617.2	6969.4	5373.5	3021.0	1425.0	1277.3	1261.8	1254.0	1259.2	1274.7	1274.7
35°	7526.5	6811.4	4984.8	2261.8	1277.3	1212.5	1197.0	1178.8	1171.1	1160.7	1165.9
37.5°	7492.8	6687.0	4583.2	1704.8	1204.8	1165.9	1140.0	1114.1	1095.9	1090.8	1088.2
40°	7547.2	6635.2	4181.7	1404.3	1152.9	1116.7	1088.2	1054.5	1038.9	1038.9	1038.9
42.5°	7759.7	6674.1	3772.3	1269.5	1116.7	1075.2	1033.8	1002.7	997.5	1002.7	1005.3
45°	8148.3	6824.3	3347.4	1202.2	1085.6	1033.8	984.5	961.2	961.2	966.4	966.4
47.5°	8842.6	7218.2	2927.7	1160.7	1054.5	1000.1	948.3	924.9	922.3	927.5	927.5
50°	10044.8	7928.1	2549.4	1132.2	1031.2	974.2	922.3	891.3	883.5	880.9	880.9
52.5°	11560.5	9158.7	2308.5	1111.5	1002.7	945.7	893.8	852.4	836.9	829.1	829.1
55°	13392.2	10798.7	2308.5	1095.9	966.4	912.0	852.4	810.9	787.6	777.3	777.3
57.5°	15467.5	12708.2	2707.5	1083.0	937.9	873.1	808.4	766.9	741.0	725.4	725.4
60°	17579.0	14726.5	3694.6	1064.8	912.0	823.9	759.1	720.3	686.6	668.4	665.9
62.5°	19768.3	16949.5	4995.2	1075.2	893.8	777.3	707.3	663.3	634.8	616.6	614.0
65°	21773.7	19066.2	6132.6	1155.5	896.4	735.8	647.7	608.9	585.5	562.2	559.6
67.5°	23475.9	20234.7	5334.6	1318.8	950.8	686.6	588.1	549.3	528.5	513.0	510.4
70°	22284.1	18452.2	3026.1	1419.8	1026.0	634.8	520.8	494.9	474.1	463.8	461.2
72.5°	19055.8	15622.9	2023.5	1254.0	935.3	567.4	458.6	437.9	422.3	409.4	406.8
75°	15436.4	12389.5	1546.7	1028.6	728.0	461.2	393.8	378.3	362.7	349.8	347.2
77.5°	9132.8	7158.6	1140.0	813.5	513.0	360.1	326.4	313.5	297.9	287.6	285.0
80°	2914.7	2487.2	722.9	559.6	339.4	277.2	251.3	241.0	225.4	212.5	209.9
82.5°	1111.5	961.2	383.4	285.0	225.4	189.1	168.4	158.0	147.7	134.7	132.1
85°	492.3	461.2	212.5	152.9	121.8	93.3	82.9	77.7	64.8	54.4	51.8
87.5°	173.6	173.6	90.7	44.0	25.9	13.0	7.8	2.6	0.0	0.0	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)