

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: P643274

Luminaire Tested: GWS-SA6E-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38176.4 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

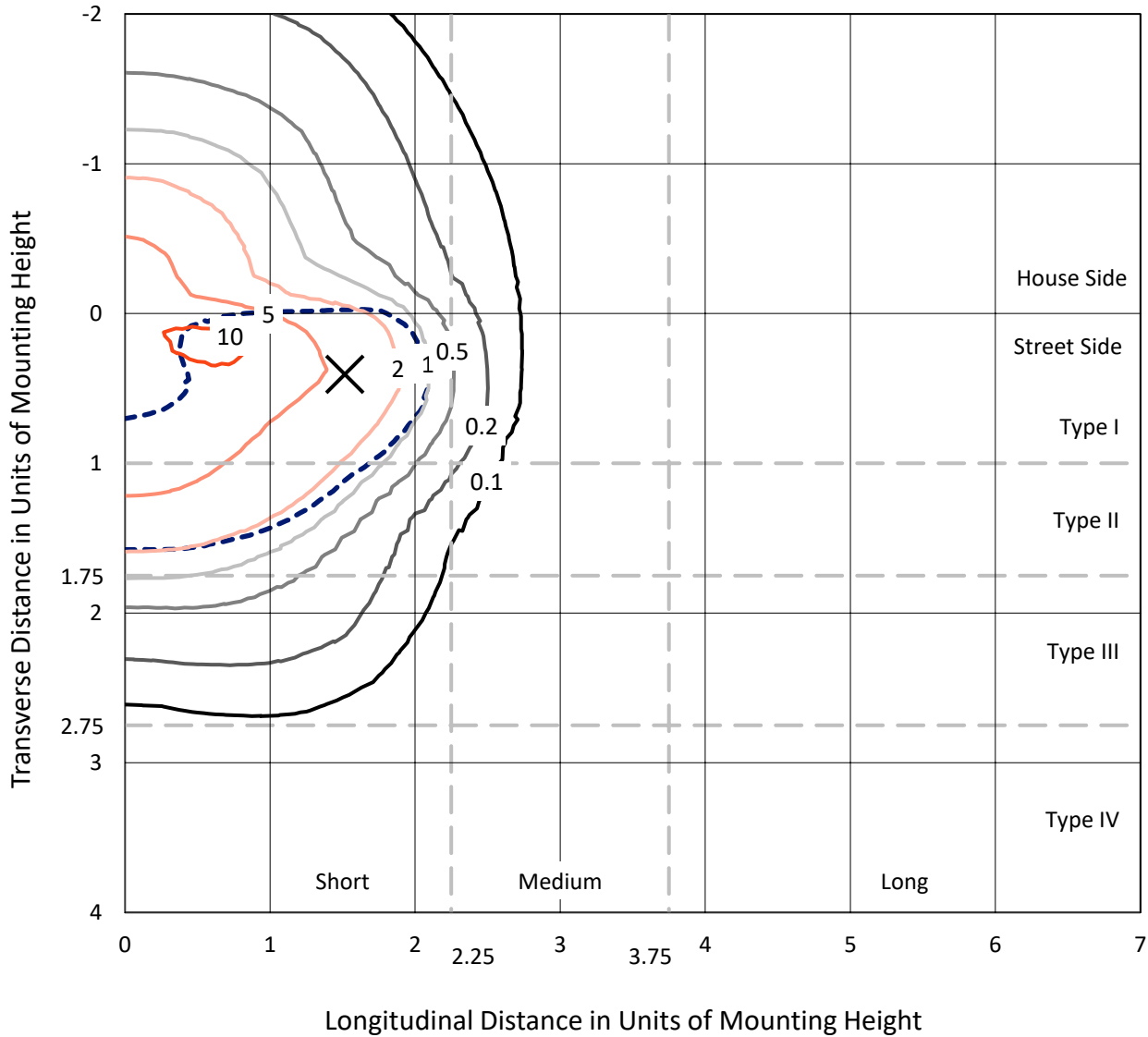
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

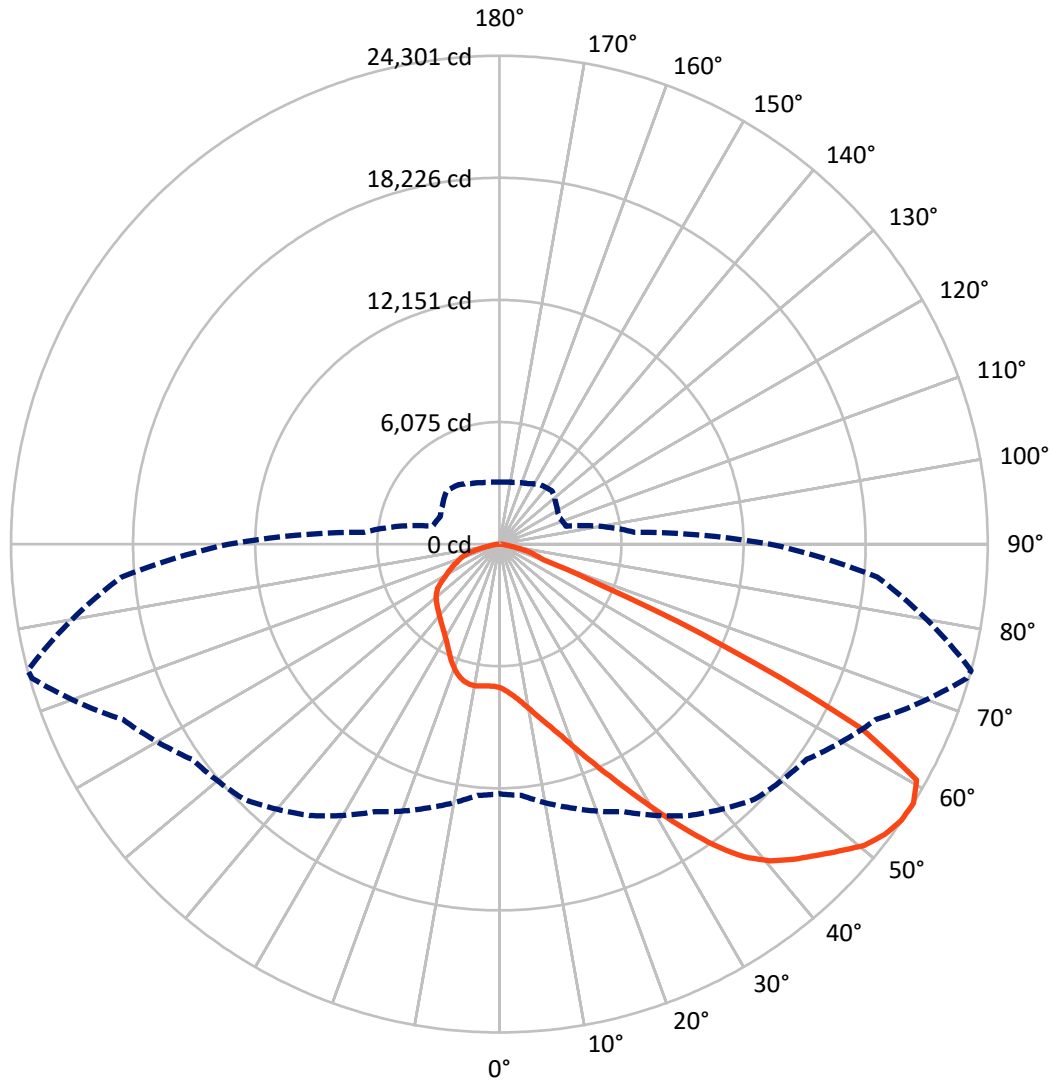
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10327.5	0.0	10327.5
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	27848.9	0.0	27848.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	38176.4	0.0	38176.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.4	1.9
10°-20°	2277.8	6.0
20°-30°	4039.7	10.6
30°-40°	6184.1	16.2
40°-50°	8610.8	22.6
50°-60°	9866.3	25.8
60°-70°	5069.5	13.3
70°-80°	1276.3	3.3
80°-90°	136.4	0.4
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°	38176.4	100.0
0°-180°	38176.4	100.0

Coefficient of Utilization



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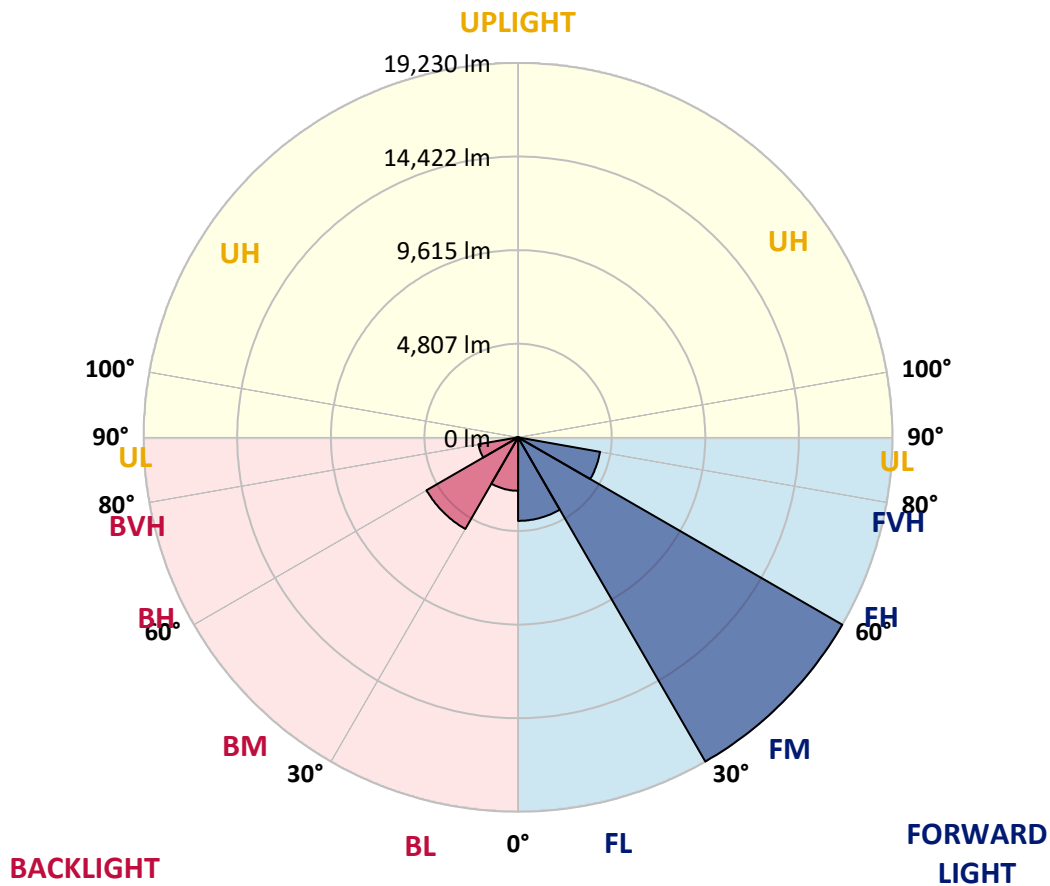
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4289.4	11.2			
FM (30°-60°)	19229.9	50.4			
FH (60°-80°)	4279.2	11.2			G2/5000
FVH (80°-90°)	50.5	0.1			G1/100
BL (0°-30°)	2743.6	7.2	B4/5000		
BM (30°-60°)	5431.3	14.2	B4/8500		
BH (60°-80°)	2066.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	85.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5
2.5°	7681.3	7701.0	7681.3	7714.1	7648.5	7618.9	7546.7	7438.4	7353.0	7339.9	7244.7
5°	8278.7	8321.4	8295.2	8282.0	8193.4	8127.7	8019.4	7802.8	7625.5	7599.2	7412.1
7.5°	8662.8	8692.3	8692.3	8702.2	8669.4	8593.9	8479.0	8222.9	7973.5	7934.1	7651.8
10°	8790.8	8813.8	8856.5	8938.5	9004.2	9027.2	8951.7	8705.5	8400.2	8360.8	7966.9
12.5°	8820.4	8846.6	8912.3	9063.3	9243.8	9408.0	9421.1	9240.5	8899.2	8856.5	8331.3
15°	8876.2	8902.4	8991.1	9178.2	9444.1	9759.2	9952.9	9828.1	9450.6	9404.7	8744.9
17.5°	8869.6	8899.2	9030.5	9279.9	9637.7	10094.0	10468.2	10520.8	10130.1	10051.3	9214.3
20°	8853.2	8879.5	9020.6	9325.9	9769.0	10396.0	11072.2	11344.7	10924.5	10852.3	9762.5
22.5°	8984.5	9014.0	9122.4	9375.1	9838.0	10629.1	11630.3	12286.8	11866.6	11764.9	10392.7
25°	9279.9	9322.6	9388.3	9562.2	9962.7	10835.9	12201.5	13353.7	12923.6	12802.2	11078.8
27.5°	9736.2	9788.7	9880.7	9962.7	10241.7	11098.5	12769.4	14548.5	14118.5	13990.5	11804.3
30°	10294.3	10363.2	10481.4	10537.2	10727.6	11485.9	13386.5	15779.5	15530.0	15352.8	12621.6
32.5°	11065.7	11160.9	11272.5	11288.9	11403.8	12073.4	13997.0	17000.6	16997.4	16872.6	13550.6
35°	12070.2	12171.9	12194.9	12217.9	12273.7	12881.0	14735.6	18113.4	18543.5	18399.0	14561.7
37.5°	13166.5	13314.3	13350.4	13248.6	13327.4	13852.6	15566.1	19006.3	19889.3	19735.0	15539.9
40°	14338.4	14397.5	14496.0	14335.2	14433.6	14965.4	16380.2	19577.5	20893.8	20729.7	16311.3
42.5°	15178.8	15287.1	15434.8	15375.7	15431.5	15917.4	16951.4	19853.2	21609.4	21445.3	16866.0
45°	16091.4	16124.2	16219.4	16206.2	16239.1	16692.1	17361.7	19974.7	22249.5	22101.8	17338.7
47.5°	16885.7	16935.0	16997.4	16925.1	16852.9	17148.4	17696.5	20079.7	22988.1	22810.9	17834.4
50°	17650.6	17693.3	17768.8	17558.7	17289.5	17365.0	17860.7	20224.2	23680.7	23556.0	18225.0
52.5°	17791.7	17837.7	18192.2	18234.9	17890.2	17624.3	18149.5	20542.6	24087.8	24009.0	18366.2
55°	16015.9	16097.9	16803.7	17614.5	18464.7	18379.3	18612.4	20710.0	24248.6	24268.3	18619.0
57.5°	12431.2	12549.4	13580.2	14693.0	16482.0	17962.4	18671.5	20667.3	24192.8	24301.2	18878.3
60°	8154.0	8222.9	9444.1	10691.5	12546.1	14594.5	16711.8	19899.2	23697.2	23851.4	18812.6
62.5°	4923.9	5002.7	5984.2	6929.6	8022.7	9391.5	11334.9	15992.9	19863.1	20207.7	15067.2
65°	3436.9	3541.9	4402.0	5180.0	5557.5	5275.2	5741.3	8932.0	12375.4	12519.9	9207.7
67.5°	2491.5	2563.7	3269.5	4195.2	4612.1	3725.8	2839.5	3955.5	5390.0	5442.6	3798.0
70°	1631.5	1713.5	2353.6	3194.0	3765.2	3020.0	2123.8	2140.3	2268.3	2294.5	2205.9
72.5°	896.2	945.4	1454.2	2120.6	2225.6	1805.4	1657.7	1779.2	1867.8	1867.8	1890.8
75°	462.8	505.5	594.2	699.2	843.6	988.1	1194.9	1375.4	1470.6	1477.2	1467.3
77.5°	236.3	252.8	318.4	344.7	377.5	439.9	571.2	732.0	817.4	850.2	843.6
80°	111.6	118.2	134.6	157.6	193.7	246.2	308.6	367.7	420.2	426.7	462.8
82.5°	59.1	65.7	72.2	85.3	105.0	131.3	180.5	216.7	249.5	256.0	285.6
85°	23.0	26.3	29.5	32.8	46.0	55.8	75.5	101.8	124.7	124.7	147.7
87.5°	0.0	0.0	0.0	0.0	3.3	6.6	13.1	16.4	23.0	23.0	39.4
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°	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5	7149.5
2.5°	7221.7	7126.5	7083.9	7014.9	6959.1	6896.8	6847.5	6811.4	6788.4	6775.3	6762.2
5°	7339.9	7195.5	7080.6	6942.7	6847.5	6755.6	6680.1	6627.6	6601.3	6581.6	6568.5
7.5°	7523.7	7330.1	7113.4	6900.0	6732.6	6584.9	6489.7	6433.9	6397.8	6384.7	6374.8
10°	7776.5	7507.3	7149.5	6811.4	6561.9	6401.1	6335.4	6309.2	6312.5	6305.9	6302.6
12.5°	8062.1	7694.4	7139.7	6653.8	6378.1	6282.9	6286.2	6328.9	6378.1	6391.2	6394.5
15°	8370.7	7878.3	7044.5	6450.3	6233.7	6243.5	6328.9	6430.6	6522.5	6558.7	6565.2
17.5°	8705.5	8032.5	6870.5	6227.1	6115.5	6220.5	6378.1	6545.5	6680.1	6739.2	6755.6
20°	9079.7	8163.8	6624.3	6007.2	6003.9	6177.9	6407.7	6627.6	6798.3	6877.1	6890.2
22.5°	9476.9	8245.9	6322.3	5803.7	5889.0	6122.1	6384.7	6614.5	6795.0	6873.8	6890.2
25°	9877.4	8272.2	5990.8	5616.5	5770.8	6033.4	6273.1	6456.9	6627.6	6696.5	6709.7
27.5°	10251.6	8196.7	5675.6	5455.7	5662.5	5902.1	6063.0	6161.5	6279.6	6332.2	6342.0
30°	10632.4	8045.7	5409.7	5327.7	5541.0	5721.6	5793.8	5800.4	5846.3	5846.3	5852.9
32.5°	11016.4	7822.5	5176.7	5202.9	5390.0	5508.2	5518.1	5442.6	5386.8	5294.8	5291.6
35°	11459.6	7596.0	4986.3	5061.8	5212.8	5285.0	5255.5	5111.0	4976.4	4825.4	4818.9
37.5°	11869.9	7362.9	4825.4	4917.3	5012.5	5065.1	4996.1	4822.2	4710.5	4556.3	4533.3
40°	12208.0	7152.8	4671.2	4766.3	4812.3	4858.3	4746.7	4605.5	4621.9	4536.6	4533.3
42.5°	12405.0	6949.3	4526.7	4598.9	4628.5	4661.3	4562.8	4457.8	4546.4	4480.8	4484.0
45°	12549.4	6772.0	4395.4	4421.7	4493.9	4543.1	4451.2	4333.0	4352.7	4100.0	4040.9
47.5°	12713.5	6673.5	4270.7	4244.4	4372.4	4457.8	4316.6	4145.9	4027.8	3778.3	3755.3
50°	12887.5	6637.4	4139.4	4067.2	4221.4	4303.5	4139.4	3926.0	3771.7	3637.1	3624.0
52.5°	12946.6	6634.2	3975.2	3853.8	4008.1	4123.0	3985.1	3768.4	3584.6	3453.3	3446.7
55°	13179.7	6729.3	3765.2	3561.6	3706.1	3942.4	3840.7	3528.8	3381.1	3322.0	3315.4
57.5°	13452.1	6745.8	3433.6	3243.2	3443.5	3722.5	3594.5	3325.3	3164.4	3092.2	3085.7
60°	13340.5	6342.0	3079.1	3000.3	3220.2	3515.7	3397.5	3164.4	2977.3	2908.4	2901.8
62.5°	10166.2	4477.5	2819.8	2790.2	2980.6	3217.0	3194.0	2951.1	2773.8	2724.6	2718.0
65°	6115.5	3144.7	2570.3	2567.0	2701.6	2928.1	2957.6	2760.7	2573.6	2504.6	2504.6
67.5°	3023.3	2406.2	2288.0	2271.6	2356.9	2517.8	2642.5	2481.7	2324.1	2258.4	2248.6
70°	2137.0	2120.6	2081.2	2035.2	2051.6	2117.3	2169.8	2035.2	1867.8	1802.2	1789.0
72.5°	1848.1	1851.4	1825.1	1789.0	1775.9	1729.9	1684.0	1585.5	1483.7	1414.8	1421.4
75°	1434.5	1441.1	1457.5	1444.3	1408.2	1359.0	1309.8	1185.0	1103.0	1037.3	1024.2
77.5°	837.1	869.9	922.4	909.3	915.8	846.9	827.2	705.8	630.3	584.3	574.5
80°	472.7	492.4	515.4	531.8	512.1	482.5	439.9	374.2	351.2	318.4	311.8
82.5°	285.6	305.3	315.1	328.3	321.7	282.3	249.5	206.8	187.1	170.7	167.4
85°	144.4	157.6	167.4	174.0	154.3	128.0	114.9	91.9	78.8	68.9	68.9
87.5°	36.1	39.4	46.0	39.4	36.1	16.4	13.1	3.3	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)