

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: P643805

Luminaire Tested: GWS-SA6F-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42767 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

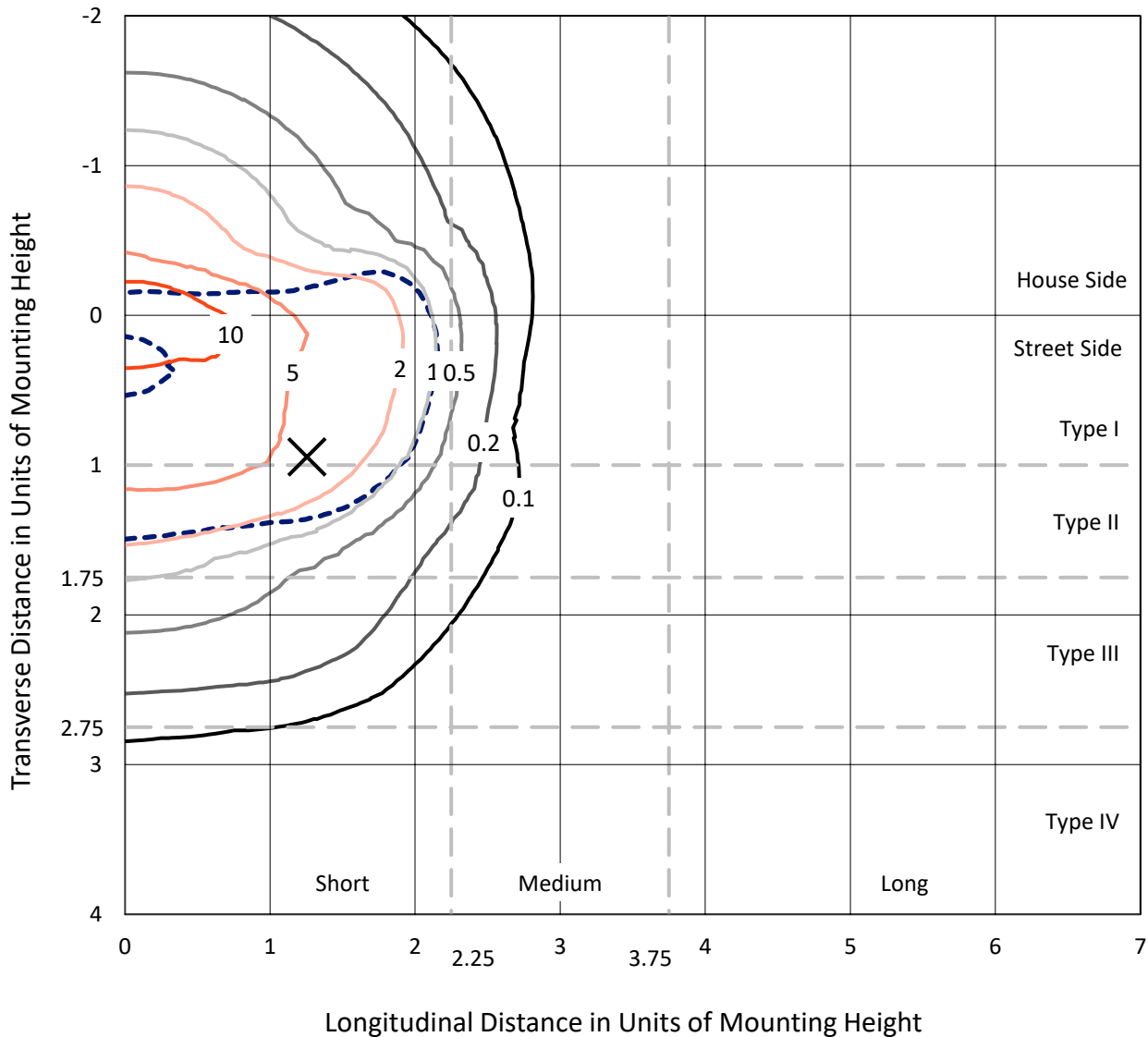
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

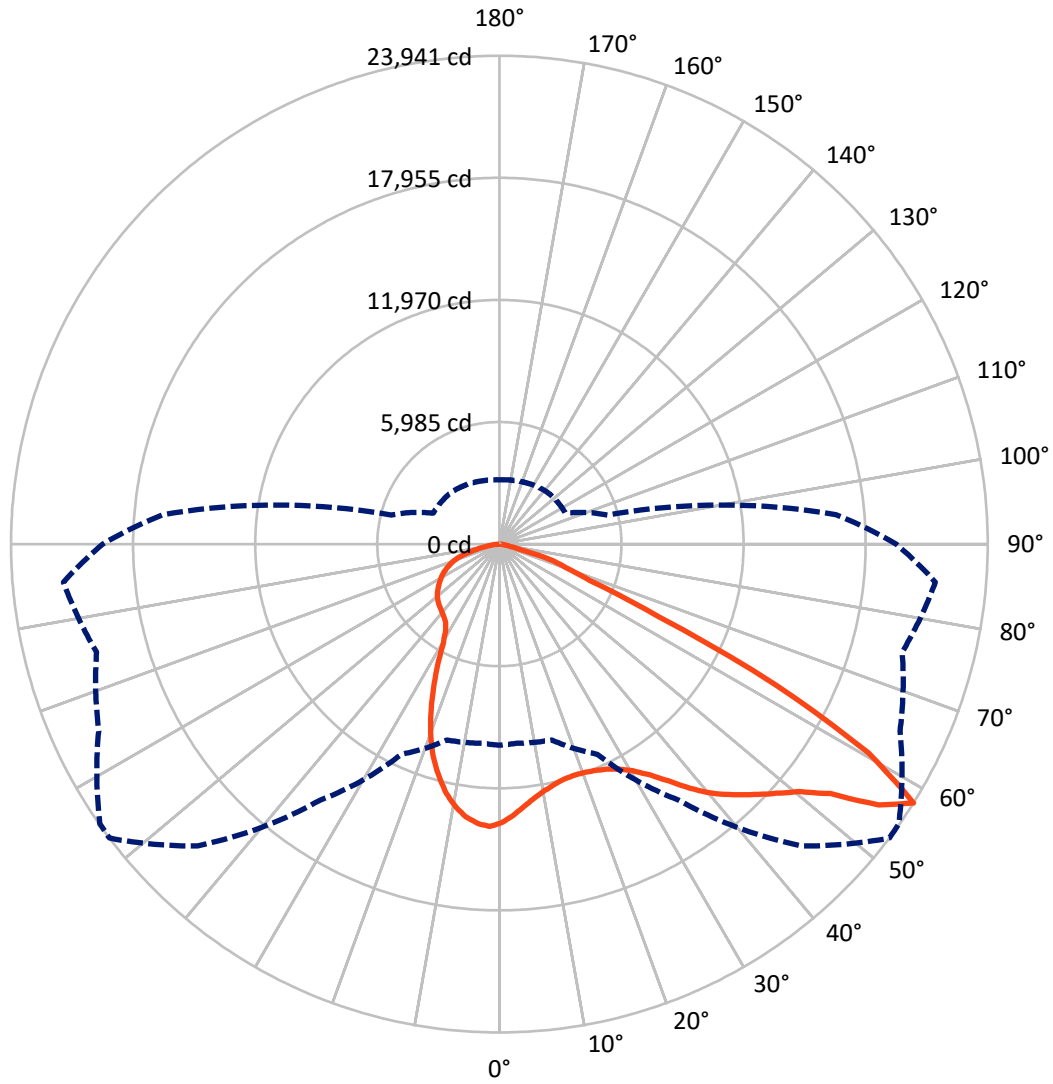
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 15.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13371.7	0.0	13371.7
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	29395.3	0.0	29395.3
	% Fixture	68.7	0.0	68.7
Total	Lumens	42767.0	0.0	42767.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1235.0	2.9
10°-20°	3240.0	7.6
20°-30°	4773.7	11.2
30°-40°	6681.9	15.6
40°-50°	8783.8	20.5
50°-60°	10299.0	24.1
60°-70°	6067.3	14.2
70°-80°	1509.3	3.5
80°-90°	177.1	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°	42767.0	100.0
0°-180°	42767.0	100.0

Coefficient of Utilization



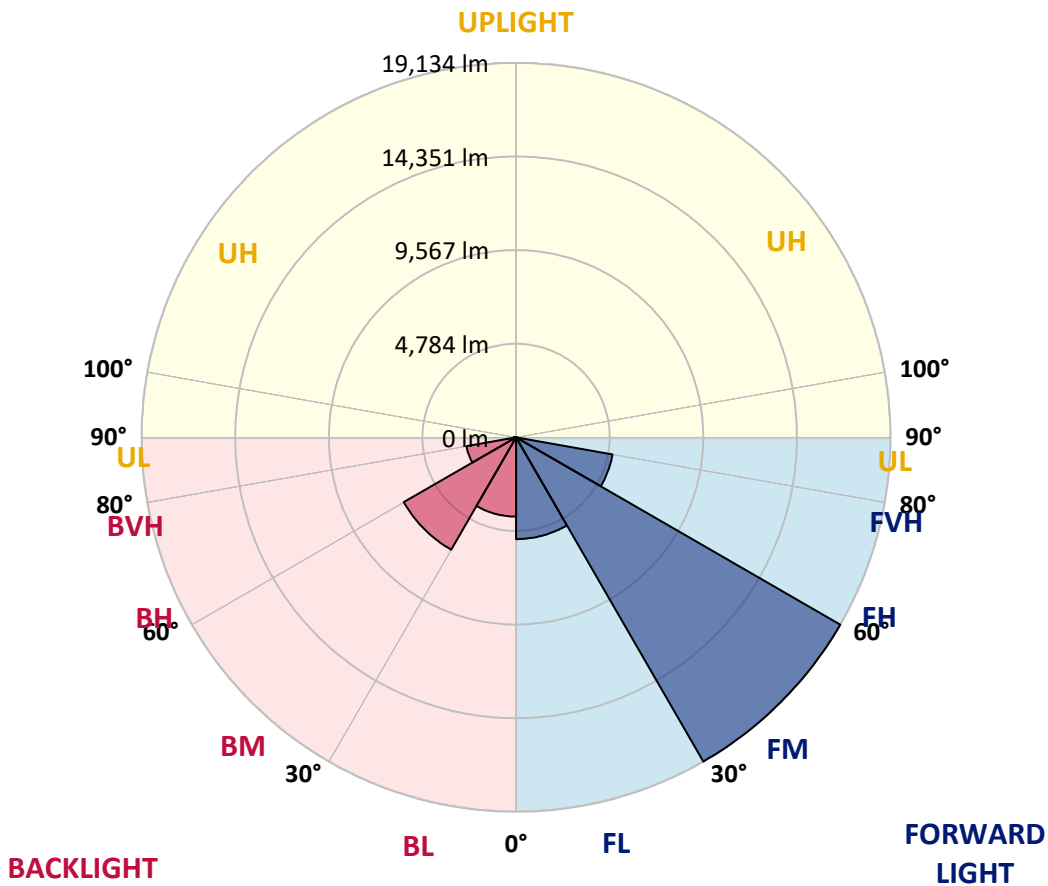
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5199.6	12.2			
FM (30°-60°)	19134.3	44.7			
FH (60°-80°)	5002.1	11.7			G3/7500
FVH (80°-90°)	59.3	0.1			G1/100
BL (0°-30°)	4049.0	9.5	B4/5000		
BM (30°-60°)	6630.4	15.5	B4/8500		
BH (60°-80°)	2574.5	6.0	B4/5000		G4/5000
BVH (80°-90°)	117.8	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-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7
2.5°	12872.0	12908.0	12915.2	13026.7	13033.9	13195.9	13303.9	13282.3	13393.9	13530.7	13638.7
5°	12256.4	12260.0	12296.0	12429.2	12501.2	12713.6	12893.6	12893.6	13109.5	13390.3	13631.5
7.5°	11748.9	11745.3	11777.7	11925.3	12044.1	12299.6	12544.4	12573.2	12875.6	13285.9	13678.3
10°	11277.4	11302.6	11338.6	11518.5	11669.7	11986.5	12278.0	12324.8	12706.4	13213.9	13743.0
12.5°	10975.0	10978.6	11032.6	11234.2	11428.5	11766.9	12072.9	12130.5	12569.6	13145.5	13789.8
15°	10780.6	10784.2	10841.8	11065.0	11291.8	11633.7	11946.9	12011.7	12490.4	13134.7	13879.8
17.5°	10694.2	10690.6	10744.6	10967.8	11216.2	11572.5	11907.3	11986.5	12526.4	13217.5	14038.2
20°	10694.2	10697.8	10726.6	10928.2	11180.2	11558.1	11946.9	12044.1	12666.8	13404.7	14283.0
22.5°	10845.4	10859.8	10874.2	11011.0	11209.0	11579.7	12051.3	12180.8	12969.1	13717.9	14603.3
25°	11140.6	11144.2	11158.6	11270.2	11360.2	11640.9	12224.0	12418.4	13440.7	14175.0	15006.5
27.5°	11536.5	11586.9	11601.3	11673.3	11673.3	11792.1	12494.0	12774.8	14077.8	14833.7	15521.2
30°	12090.9	12108.9	12134.1	12213.2	12126.9	12076.5	12890.0	13249.9	14815.7	15629.2	16140.3
32.5°	12576.8	12616.4	12753.2	12882.8	12728.0	12569.6	13473.1	13897.8	15524.8	16457.1	16799.1
35°	12990.7	13087.9	13350.7	13638.7	13530.7	13372.3	14247.0	14689.7	16107.9	17051.0	17382.2
37.5°	13491.1	13566.7	13926.6	14394.6	14491.8	14416.2	15190.1	15506.8	16496.7	17202.2	17698.9
40°	13998.6	14113.8	14578.1	15226.1	15596.8	15650.8	16061.2	16273.5	16629.9	16907.0	17637.8
42.5°	14516.9	14714.9	15352.0	16107.9	16766.7	16889.0	16795.5	16885.4	16586.7	16500.3	17353.4
45°	15150.5	15384.4	16104.3	17069.0	17936.5	18127.3	17515.4	17432.6	16579.5	16345.5	17177.0
47.5°	15899.2	16133.1	16820.7	17943.7	19052.4	19192.8	18253.3	18102.1	16831.5	16583.1	17414.6
50°	16561.5	16723.5	17339.0	18595.2	20092.6	20175.4	19066.8	18883.2	17457.8	17241.8	18156.1
52.5°	15888.4	15870.4	16518.3	18066.1	20632.6	21629.6	20319.4	20143.0	18667.2	18336.1	19304.3
55°	13480.3	13275.1	13854.6	15377.2	19124.4	22921.9	22565.5	22212.8	20279.8	19437.5	20380.6
57.5°	9855.5	9798.0	9938.3	11367.4	15319.6	20920.5	23940.5	23908.2	21672.8	20445.4	21453.3
60°	7706.6	7620.2	7245.9	7285.5	10442.3	16341.9	20776.6	21730.4	22536.7	21050.1	22202.0
62.5°	6842.7	6777.9	6583.6	6047.2	6220.0	10957.0	15229.7	16104.3	19693.1	18591.6	19070.4
65°	5665.7	5647.7	5809.7	5788.1	5212.1	6050.8	8595.7	9477.6	12382.4	12537.2	12382.4
67.5°	4117.9	4085.5	4495.8	5305.7	5017.8	4567.8	4791.0	5097.0	6349.6	5701.7	5132.9
70°	2678.1	2631.3	2868.8	3833.5	4492.2	3981.1	3452.0	3401.6	3491.6	2170.5	2346.9
72.5°	1796.2	1742.2	1738.6	2109.3	2714.1	2681.7	2674.5	2649.3	2364.9	1713.4	1900.6
75°	1000.7	957.5	946.7	910.7	971.9	989.9	1054.7	1090.7	1180.6	1299.4	1439.8
77.5°	169.2	165.6	208.8	266.4	367.2	471.5	583.1	615.5	759.5	899.9	989.9
80°	93.6	97.2	126.0	154.8	205.2	280.8	360.0	381.6	467.9	543.5	615.5
82.5°	50.4	50.4	64.8	82.8	111.6	147.6	194.4	212.4	270.0	316.8	367.2
85°	18.0	18.0	25.2	32.4	46.8	61.2	75.6	86.4	118.8	162.0	183.6
87.5°	0.0	0.0	0.0	0.0	3.6	7.2	14.4	14.4	18.0	32.4	46.8
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°	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7	13656.7
2.5°	13728.6	13631.5	13764.6	13825.8	13847.4	13861.8	13768.2	13703.5	13681.9	13613.5	13573.9
5°	13779.0	13714.3	13840.2	13840.2	13750.2	13656.7	13465.9	13332.7	13239.1	13127.5	13109.5
7.5°	13865.4	13818.6	13887.0	13746.6	13519.9	13267.9	12936.8	12677.6	12468.8	12332.0	12335.6
10°	13980.6	13923.0	13869.0	13555.9	13141.9	12677.6	12170.0	11792.1	11446.5	11288.2	11201.8
12.5°	14056.2	13973.4	13746.6	13228.3	12620.0	11997.3	11281.0	10719.4	10219.1	9992.3	9974.3
15°	14149.8	13998.6	13545.1	12803.6	11957.7	11108.2	10186.7	9405.6	8728.9	8376.1	8358.1
17.5°	14272.2	14023.8	13303.9	12317.6	11259.4	10006.7	8847.7	7865.0	7145.1	6871.5	6918.3
20°	14445.0	14052.6	13030.3	11777.7	10391.9	8754.1	7310.7	6407.2	6130.0	6112.0	6076.0
22.5°	14639.3	14070.6	12728.0	11173.0	9340.8	7418.7	6040.0	5654.9	5651.3	5741.3	5762.9
25°	14858.9	14085.0	12386.0	10467.5	8203.4	6086.8	5341.7	5226.5	5316.5	5485.7	5507.3
27.5°	15139.7	14113.8	11972.1	9693.6	6993.9	5258.9	4956.6	4927.8	5035.8	5194.1	5186.9
30°	15553.6	14218.2	11532.9	8804.5	5752.1	4866.6	4722.6	4726.2	4769.4	4845.0	4855.8
32.5°	15974.8	14380.2	11104.6	7803.8	5039.4	4643.4	4578.6	4571.4	4571.4	4603.8	4611.0
35°	16374.3	14563.7	10640.2	6759.9	4693.8	4513.8	4470.6	4449.0	4438.2	4431.0	4420.2
37.5°	16597.5	14653.7	10186.7	5730.5	4510.2	4427.4	4384.2	4355.4	4315.8	4287.1	4279.9
40°	16500.3	14549.3	9661.2	4960.2	4398.6	4344.6	4294.3	4254.7	4200.7	4175.5	4161.1
42.5°	16176.3	14225.4	9088.8	4596.6	4308.7	4254.7	4193.5	4128.7	4092.7	4071.1	4067.5
45°	15834.4	13833.0	8397.7	4384.2	4222.3	4157.5	4085.5	4013.5	3973.9	3963.1	3959.5
47.5°	15823.6	13638.7	7663.4	4215.1	4117.9	4053.1	3963.1	3891.1	3847.9	3833.5	3819.1
50°	16298.7	13836.6	6835.5	4067.5	4009.9	3941.5	3840.7	3761.5	3707.5	3689.5	3685.9
52.5°	17285.0	14581.7	6094.0	3919.9	3865.9	3786.7	3703.9	3624.7	3559.9	3527.6	3524.0
55°	18350.5	15528.4	5633.3	3768.7	3696.7	3628.3	3552.7	3466.4	3394.4	3344.0	3336.8
57.5°	19451.9	16561.5	5492.9	3577.9	3524.0	3477.2	3387.2	3293.6	3210.8	3164.0	3153.2
60°	20359.0	17450.6	5755.7	3376.4	3347.6	3286.4	3203.6	3113.6	3056.0	3020.0	3012.8
62.5°	17043.8	14207.4	4647.0	3156.8	3156.8	3092.0	2998.4	2933.6	2894.0	2868.8	2861.6
65°	10816.6	8797.3	3171.2	2937.2	2933.6	2847.2	2768.0	2724.9	2706.9	2667.3	2660.1
67.5°	4711.8	4020.7	2710.5	2714.1	2699.7	2606.1	2526.9	2494.5	2458.5	2415.3	2411.7
70°	2444.1	2490.9	2426.1	2465.7	2440.5	2328.9	2253.3	2202.9	2127.3	2084.1	2087.7
72.5°	1972.5	2022.9	2094.9	2156.1	2102.1	2012.1	1893.4	1832.2	1735.0	1688.2	1691.8
75°	1504.6	1558.6	1627.0	1691.8	1648.6	1537.0	1461.4	1400.2	1288.6	1234.6	1245.4
77.5°	1036.7	1065.5	1148.3	1144.7	1130.3	1097.9	986.3	914.3	799.1	734.3	741.5
80°	644.3	662.3	701.9	719.9	712.7	669.5	579.5	525.5	457.1	417.5	421.1
82.5°	388.8	399.5	435.5	439.1	435.5	403.1	334.8	295.2	252.0	230.4	230.4
85°	198.0	205.2	226.8	226.8	205.2	172.8	154.8	136.8	111.6	100.8	100.8
87.5°	54.0	54.0	68.4	57.6	46.8	43.2	21.6	18.0	7.2	3.6	3.6
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)