

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: P643826

Luminaire Tested: GWS-SA6F-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49818.7 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

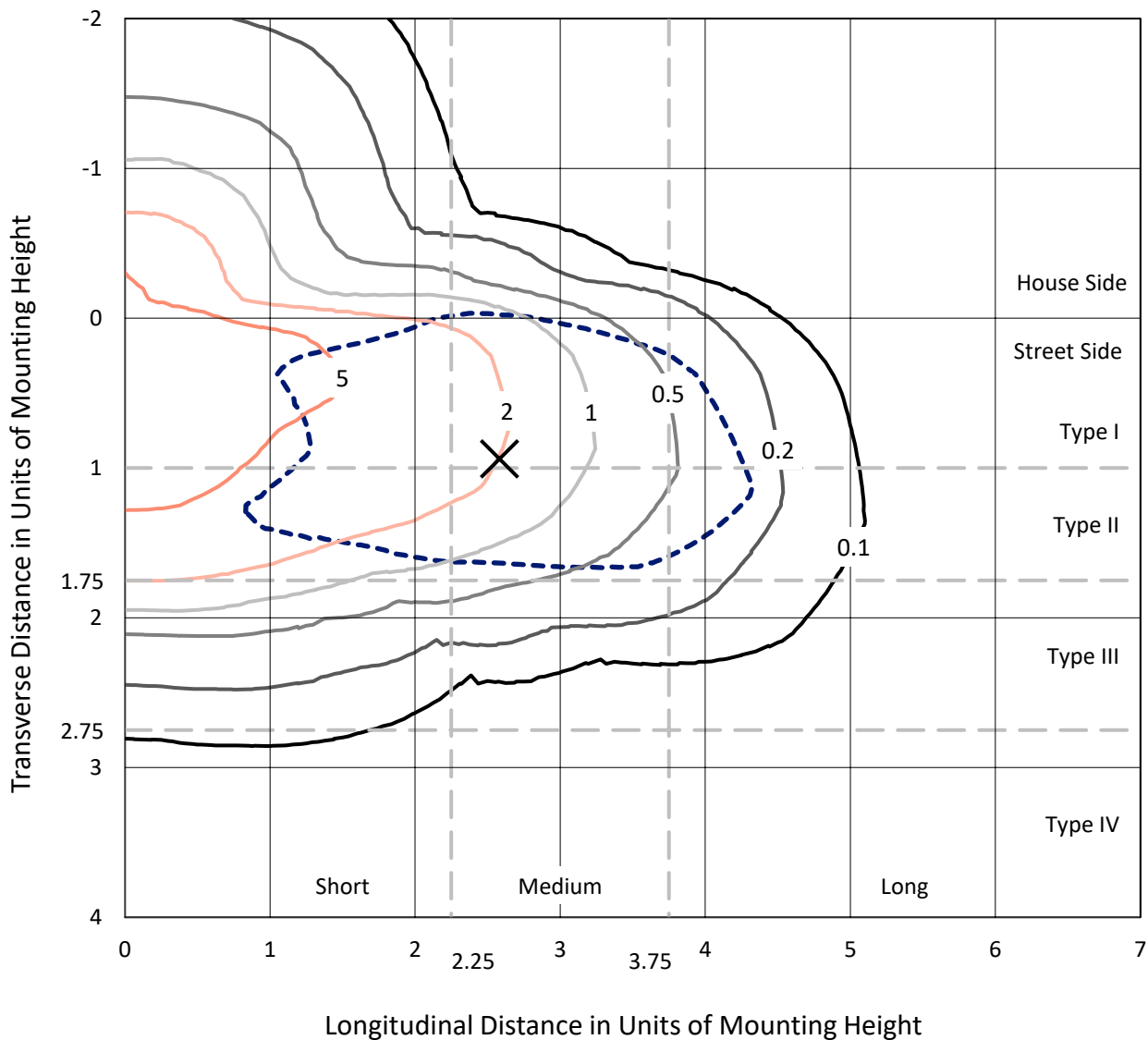
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643826
 CATALOG NUMBER: GWS-SA6F-760-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

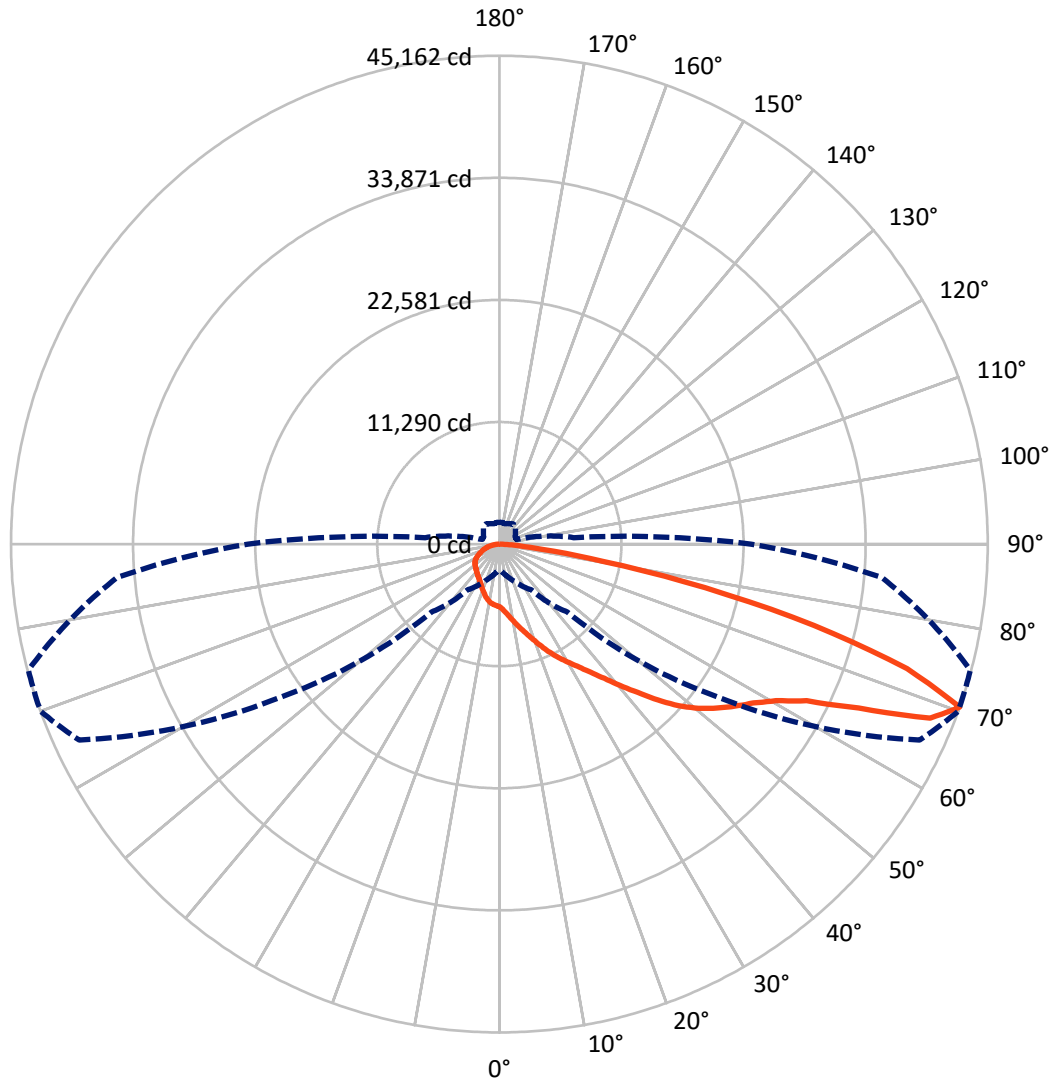
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P643826
CATALOG NUMBER: GWS-SA6F-760-U-T2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P643826

CATALOG NUMBER: GWS-SA6F-760-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8927.6	0.0	8927.6
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	40891.1	0.0	40891.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	49818.7	0.0	49818.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.5	1.2
10°-20°	1920.9	3.9
20°-30°	3403.0	6.8
30°-40°	5121.6	10.3
40°-50°	7748.3	15.6
50°-60°	11099.9	22.3
60°-70°	12269.7	24.6
70°-80°	6924.1	13.9
80°-90°	740.6	1.5
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°	49818.7	100.0
0°-180°	49818.7	100.0

Coefficient of Utilization



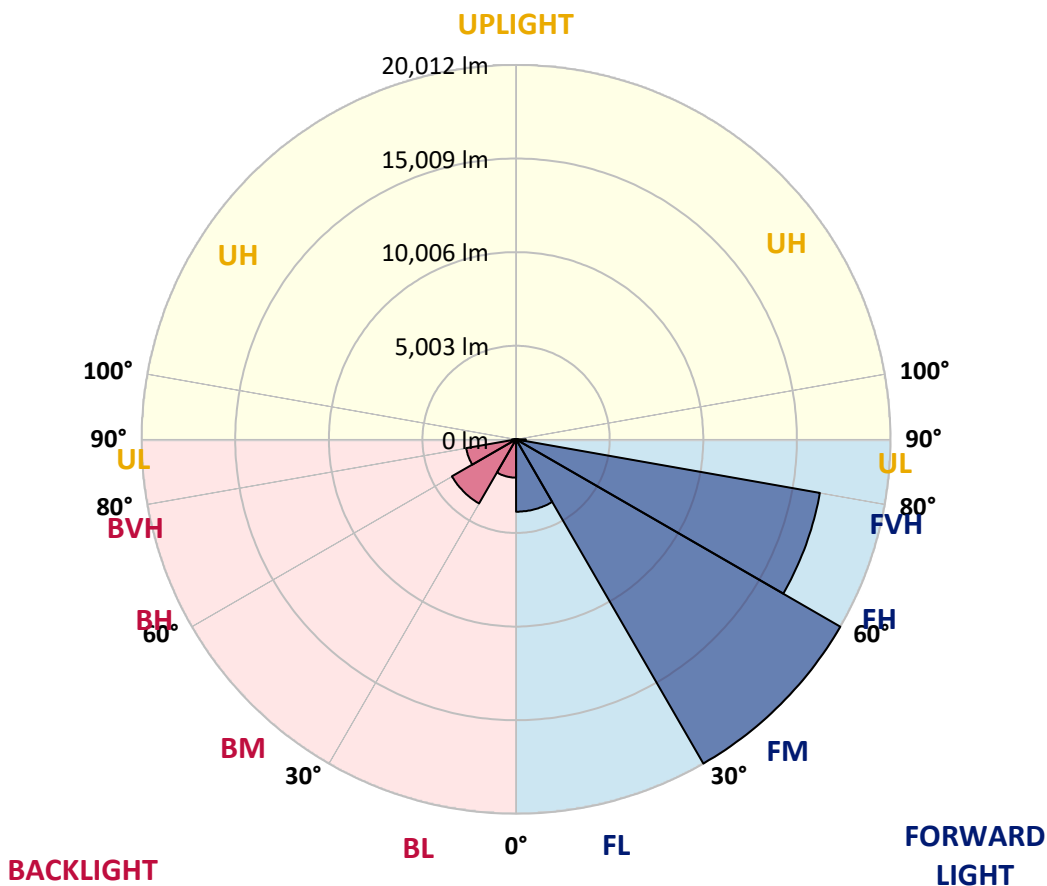
REPORT NUMBER: P643826

CATALOG NUMBER: GWS-SA6F-760-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3867.5	7.8			
FM (30°-60°)	20012.1	40.2			
FH (60°-80°)	16487.9	33.1			G5
FVH (80°-90°)	523.6	1.1			G4/750
BL (0°-30°)	2047.0	4.1	B3/2500		
BM (30°-60°)	3957.7	7.9	B3/5000		
BH (60°-80°)	2705.9	5.4	B4/5000		G4/5000
BVH (80°-90°)	217.1	0.4			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 Medium





REPORT NUMBER: P643826
 CATALOG NUMBER: GWS-SA6F-760-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9
2.5°	6436.2	6425.4	6432.6	6425.4	6385.8	6288.7	6209.5	6108.7	6040.3	6000.7	5907.1
5°	7192.2	7181.4	7156.2	7120.2	7048.2	6915.0	6717.0	6497.4	6364.2	6263.5	6065.5
7.5°	7735.7	7735.7	7732.1	7688.9	7638.5	7498.1	7264.2	6976.2	6781.8	6609.0	6285.1
10°	8012.9	8030.9	8056.1	8117.3	8106.5	8030.9	7811.3	7501.7	7257.0	7055.4	6573.0
12.5°	8164.1	8174.9	8218.1	8344.1	8473.7	8491.7	8362.1	8038.1	7771.7	7501.7	6893.4
15°	8358.5	8362.1	8419.7	8570.9	8761.6	8952.4	8920.0	8596.0	8322.5	8023.7	7249.8
17.5°	8509.7	8534.9	8639.2	8815.6	9053.2	9316.0	9474.4	9272.8	8934.4	8592.4	7638.5
20°	8563.7	8581.6	8718.4	8988.4	9312.4	9683.2	10035.9	9981.9	9640.0	9236.8	8077.7
22.5°	8758.0	8758.0	8858.8	9085.6	9467.2	10007.1	10579.5	10719.9	10417.5	9945.9	8549.3
25°	9186.4	9172.0	9218.8	9312.4	9600.4	10266.3	11115.8	11537.0	11198.6	10669.5	9020.8
27.5°	9773.1	9765.9	9762.3	9776.7	9873.9	10493.1	11569.4	12300.1	11961.8	11364.2	9442.0
30°	10410.3	10388.7	10435.5	10392.3	10370.7	10763.1	11954.6	12984.1	12721.3	12051.7	9791.1
32.5°	11277.8	11238.2	11227.4	11087.0	11000.6	11184.2	12264.1	13761.6	13552.8	12793.3	10183.5
35°	12422.5	12386.5	12202.9	11979.8	11724.2	11810.6	12649.3	14521.1	14535.5	13722.0	10698.3
37.5°	13578.0	13585.2	13441.2	12915.7	12652.9	12602.5	13236.0	15446.2	15755.8	14830.7	11364.2
40°	14539.1	14582.3	14582.3	14028.0	13635.6	13588.8	14060.4	16544.2	17159.7	16191.4	12206.5
42.5°	15269.9	15309.5	15435.5	15035.9	14621.9	14783.9	15061.1	17645.7	18750.8	17872.4	13272.0
45°	16072.6	16105.0	16173.4	15943.0	15701.8	16133.8	16195.0	18963.1	20572.2	19758.7	14510.3
47.5°	17138.1	17109.3	17116.5	16947.3	16760.1	17458.5	17444.1	20071.8	22332.4	21824.9	15853.0
50°	18462.8	18516.8	18466.4	18131.6	17912.0	18549.2	18632.0	21299.3	23880.3	23869.5	17206.5
52.5°	19737.1	19758.7	20025.0	20039.4	19589.5	19456.3	19672.3	22537.6	25187.0	25741.3	18506.0
55°	19801.9	19884.7	20683.8	21259.7	21986.9	20917.8	20723.4	23718.3	26450.5	27573.6	19855.9
57.5°	18423.2	18556.4	19913.5	21155.4	23178.4	23426.8	22523.2	25244.6	27714.0	29377.0	21418.1
60°	15478.6	15755.8	17598.9	19499.5	22642.0	25230.2	26205.7	27318.0	29373.4	31220.1	23315.2
62.5°	9884.7	9992.7	12577.3	15759.4	20226.6	25053.8	30215.8	30971.7	31900.4	33621.1	26238.1
65°	4949.6	5295.1	6810.6	9406.0	14585.9	22076.9	32242.4	37663.5	36526.0	37731.9	30975.3
67.5°	3358.5	3470.1	4236.8	5651.5	8552.9	15640.6	30986.1	43300.6	42965.8	43163.8	36025.7
70°	2476.6	2548.6	3153.3	4002.9	5172.7	8880.4	24668.6	42875.9	45161.7	45089.7	35496.5
72.5°	1807.0	1843.0	2300.2	3056.1	3833.7	4593.2	15064.7	34636.2	39423.8	41500.8	31043.7
75°	1313.9	1357.1	1598.3	2285.8	2980.5	2865.3	7436.9	25017.8	30064.6	34060.2	25291.4
77.5°	979.1	1033.1	1144.7	1432.7	2087.8	2051.8	3214.5	16245.4	19445.5	22246.1	15363.5
80°	705.5	716.3	781.1	917.9	1324.7	1202.3	1529.9	8470.1	9712.0	10640.7	6022.3
82.5°	428.4	439.2	522.0	565.2	820.7	755.9	795.5	2743.0	3930.9	4172.0	2249.8
85°	126.0	133.2	237.6	259.2	342.0	324.0	320.4	1115.9	1331.9	1702.7	885.5
87.5°	0.0	0.0	0.0	0.0	3.6	21.6	39.6	198.0	298.8	414.0	216.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P643826
 CATALOG NUMBER: GWS-SA6F-760-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9	5809.9
2.5°	5871.1	5788.3	5745.1	5669.5	5615.5	5561.5	5507.5	5457.1	5435.5	5403.1	5410.3
5°	5975.5	5845.9	5716.3	5568.7	5442.7	5338.3	5244.7	5161.9	5126.0	5093.6	5108.0
7.5°	6133.9	5939.5	5691.1	5421.1	5223.1	5079.2	4982.0	4924.4	4906.4	4881.2	4881.2
10°	6335.4	6043.9	5608.3	5223.1	4985.6	4870.4	4827.2	4823.6	4841.6	4845.2	4838.0
12.5°	6558.6	6144.7	5485.9	4989.2	4787.6	4751.6	4784.0	4845.2	4906.4	4938.8	4931.6
15°	6789.0	6209.5	5277.1	4766.0	4643.6	4690.4	4794.8	4917.2	5036.0	5097.2	5093.6
17.5°	7005.0	6223.9	5007.2	4550.0	4517.6	4636.4	4816.4	5007.2	5169.1	5255.5	5259.1
20°	7246.2	6198.7	4730.0	4355.6	4391.6	4586.0	4823.6	5054.0	5244.7	5331.1	5352.7
22.5°	7465.7	6112.3	4460.0	4172.0	4283.6	4524.8	4766.0	4982.0	5151.1	5233.9	5262.7
25°	7663.7	5946.7	4164.8	4017.2	4200.8	4438.4	4622.0	4773.2	4892.0	4942.4	4982.0
27.5°	7771.7	5698.3	3941.7	3894.9	4121.6	4316.0	4416.8	4463.6	4503.2	4488.8	4517.6
30°	7793.3	5388.7	3747.3	3797.7	4002.9	4146.8	4168.4	4121.6	4053.2	3941.7	3966.9
32.5°	7771.7	5032.4	3585.3	3693.3	3869.7	3956.1	3927.3	3804.9	3639.3	3466.5	3477.3
35°	7778.9	4672.4	3452.1	3578.1	3714.9	3761.7	3689.7	3520.5	3344.1	3185.7	3178.5
37.5°	7858.1	4370.0	3340.5	3466.5	3563.7	3570.9	3491.7	3315.3	3225.3	3106.5	3092.1
40°	8077.7	4146.8	3239.7	3354.9	3416.1	3412.5	3322.5	3196.5	3257.7	3218.1	3207.3
42.5°	8437.7	4010.0	3156.9	3236.1	3279.3	3286.5	3214.5	3135.3	3268.5	3218.1	3200.1
45°	9017.2	4002.9	3099.3	3117.3	3185.7	3236.1	3185.7	3095.7	3146.1	2901.3	2854.6
47.5°	9704.8	4125.2	3056.1	3012.9	3131.7	3221.7	3142.5	2998.5	2894.1	2671.0	2638.6
50°	10532.7	4373.6	3016.5	2901.3	3052.5	3167.7	3088.5	2890.5	2732.2	2613.4	2595.4
52.5°	11515.4	4701.2	2966.1	2775.4	2933.7	3138.9	3088.5	2879.7	2671.0	2563.0	2545.0
55°	12544.9	5079.2	2908.5	2624.2	2800.6	3146.1	3113.7	2804.2	2624.2	2566.6	2552.2
57.5°	13822.8	5532.7	2804.2	2447.8	2681.8	3081.3	3012.9	2761.0	2591.8	2545.0	2530.6
60°	15482.2	6205.9	2606.2	2267.8	2545.0	2966.1	2922.9	2689.0	2505.4	2465.8	2455.0
62.5°	18110.0	7347.0	2365.0	2095.0	2383.0	2725.0	2789.8	2552.2	2397.4	2393.8	2390.2
65°	22393.6	8718.4	2080.6	1940.2	2213.8	2527.0	2613.4	2411.8	2285.8	2325.4	2321.8
67.5°	25395.8	8837.2	1846.6	1778.2	2015.8	2311.0	2437.0	2267.8	2131.0	2206.6	2203.0
70°	23261.2	6893.4	1645.1	1609.1	1803.4	2077.0	2246.2	2087.8	1951.0	2023.0	2008.6
72.5°	19618.3	5284.3	1454.3	1432.7	1587.5	1832.2	2001.4	1907.8	1763.8	1763.8	1731.4
75°	15766.6	4359.2	1252.7	1241.9	1346.3	1583.9	1774.6	1616.3	1483.1	1475.9	1454.3
77.5°	9042.4	2858.2	1051.1	1043.9	1076.3	1324.7	1378.7	1346.3	1245.5	1198.7	1184.3
80°	3603.3	1486.7	827.9	781.1	813.5	971.9	1087.1	1033.1	946.7	889.1	856.7
82.5°	1396.7	745.1	583.1	511.2	558.0	701.9	788.3	770.3	712.7	583.1	547.2
85°	568.8	363.6	349.2	295.2	324.0	378.0	453.6	392.4	324.0	230.4	219.6
87.5°	151.2	133.2	129.6	79.2	61.2	18.0	3.6	0.0	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)