

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: P643771

Luminaire Tested: GWS-SA6F-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643771
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-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50510.9 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

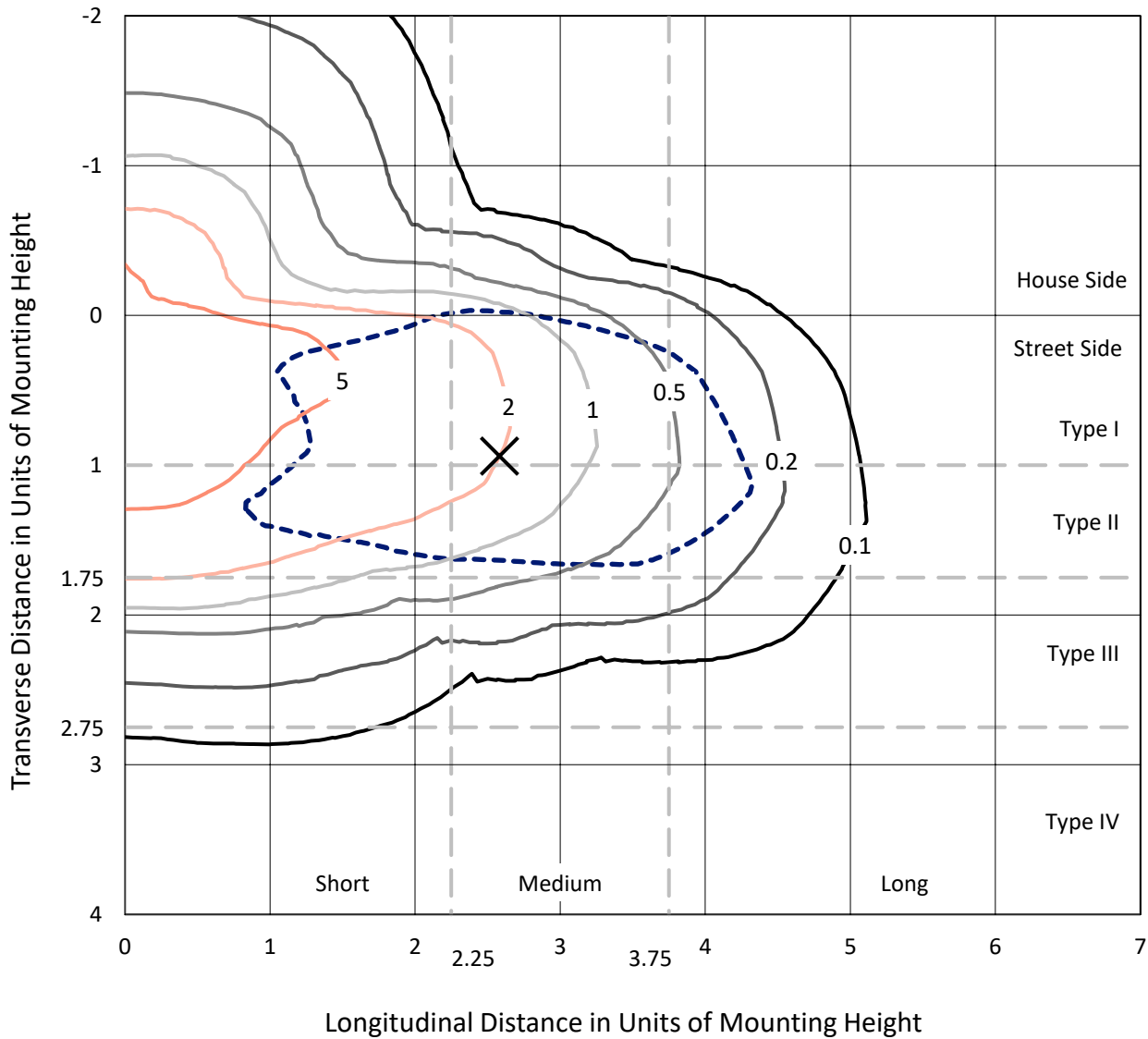
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

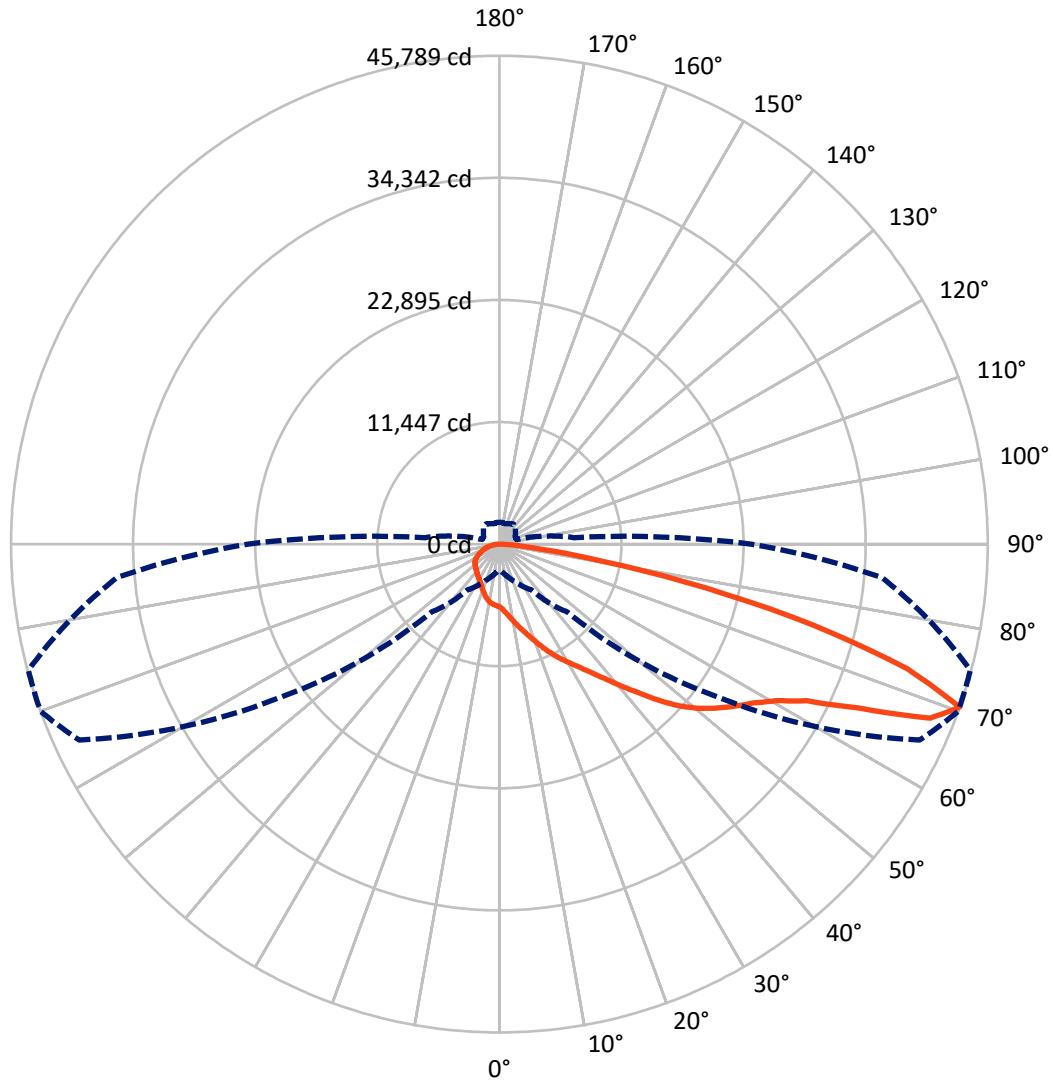
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9051.7	0.0	9051.7
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	41459.2	0.0	41459.2
	% Fixture	82.1	0.0	82.1
Total	Lumens	50510.9	0.0	50510.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.7	1.2
10°-20°	1947.6	3.9
20°-30°	3450.3	6.8
30°-40°	5192.7	10.3
40°-50°	7856.0	15.6
50°-60°	11254.1	22.3
60°-70°	12440.2	24.6
70°-80°	7020.3	13.9
80°-90°	750.9	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°	50510.9	100.0
0°-180°	50510.9	100.0

Coefficient of Utilization



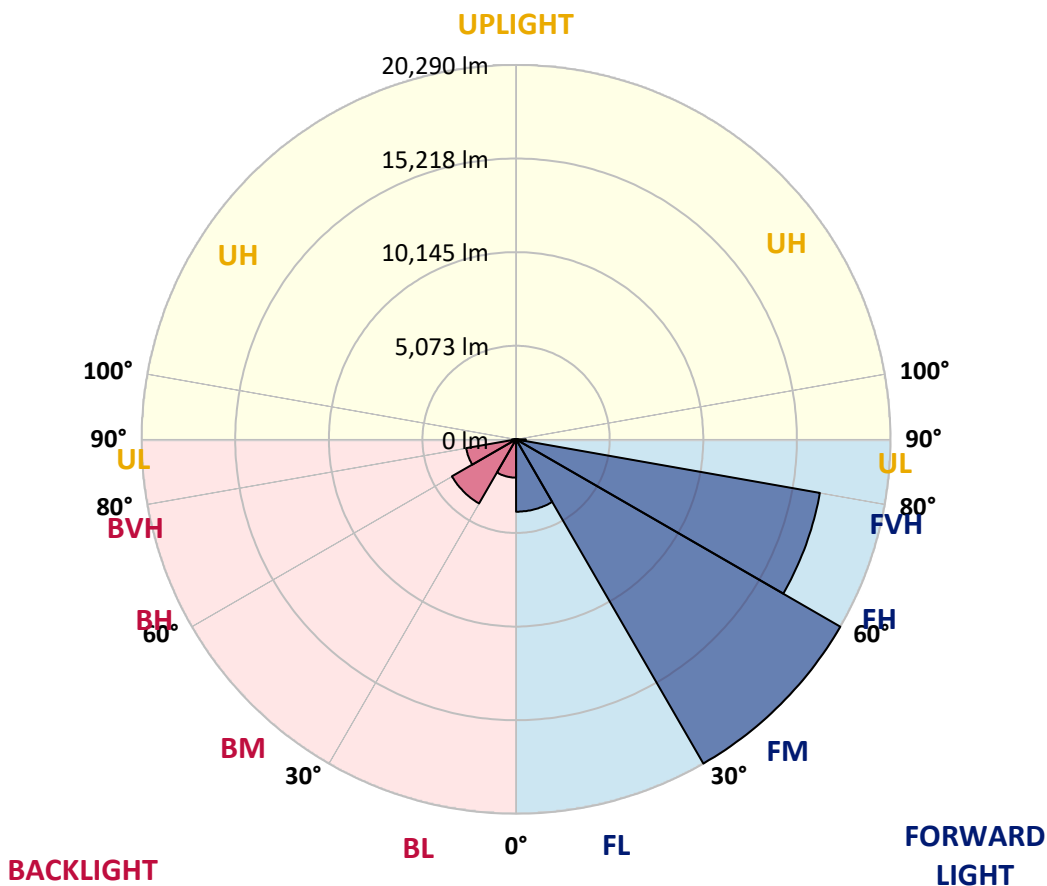
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3921.2	7.8			
FM (30°-60°)	20290.2	40.2			
FH (60°-80°)	16717.0	33.1			G5
FVH (80°-90°)	530.8	1.1			G4/750
BL (0°-30°)	2075.4	4.1	B3/2500		
BM (30°-60°)	4012.7	7.9	B3/5000		
BH (60°-80°)	2743.5	5.4	B4/5000		G4/5000
BVH (80°-90°)	220.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6
2.5°	6525.7	6514.7	6522.0	6514.7	6474.6	6376.0	6295.7	6193.5	6124.2	6084.1	5989.2
5°	7292.1	7281.2	7255.6	7219.1	7146.1	7011.1	6810.3	6587.7	6452.7	6350.5	6149.7
7.5°	7843.2	7843.2	7839.6	7795.8	7744.7	7602.3	7365.1	7073.1	6876.0	6700.9	6372.4
10°	8124.2	8142.5	8168.0	8230.1	8219.1	8142.5	7919.9	7606.0	7357.8	7153.4	6664.4
12.5°	8277.5	8288.5	8332.3	8460.0	8591.4	8609.6	8478.3	8149.8	7879.7	7606.0	6989.2
15°	8474.6	8478.3	8536.6	8689.9	8883.4	9076.8	9044.0	8715.5	8438.1	8135.2	7350.5
17.5°	8627.9	8653.4	8759.3	8938.1	9179.0	9445.4	9606.0	9401.6	9058.6	8711.8	7744.7
20°	8682.6	8700.9	8839.6	9113.3	9441.8	9817.7	10175.4	10120.6	9773.9	9365.1	8189.9
22.5°	8879.7	8879.7	8981.9	9211.8	9598.7	10146.2	10726.5	10868.8	10562.2	10084.1	8668.0
25°	9314.0	9299.4	9346.9	9441.8	9733.8	10408.9	11270.3	11697.3	11354.2	10817.7	9146.1
27.5°	9908.9	9901.6	9898.0	9912.6	10011.1	10638.9	11730.1	12471.0	12128.0	11522.1	9573.2
30°	10554.9	10533.0	10580.5	10536.7	10514.8	10912.6	12120.7	13164.5	12898.0	12219.2	9927.2
32.5°	11434.5	11394.4	11383.4	11241.1	11153.5	11339.6	12434.5	13952.8	13741.1	12971.0	10325.0
35°	12595.1	12558.6	12372.5	12146.2	11887.1	11974.7	12825.0	14722.9	14737.5	13912.7	10846.9
37.5°	13766.7	13774.0	13628.0	13095.1	12828.7	12777.6	13419.9	15660.9	15974.7	15036.8	11522.1
40°	14741.1	14784.9	14784.9	14222.9	13825.1	13777.6	14255.7	16774.0	17398.1	16416.4	12376.1
42.5°	15482.0	15522.2	15649.9	15244.8	14825.1	14989.3	15270.3	17890.8	19011.3	18120.8	13456.4
45°	16295.9	16328.8	16398.1	16164.5	15920.0	16358.0	16420.0	19226.6	20858.0	20033.2	14711.9
47.5°	17376.2	17347.0	17354.3	17182.8	16993.0	17701.0	17686.4	20350.7	22642.7	22128.1	16073.3
50°	18719.3	18774.1	18723.0	18383.5	18160.9	18806.9	18890.9	21595.3	24212.1	24201.2	17445.6
52.5°	20011.3	20033.2	20303.3	20317.9	19861.7	19726.6	19945.6	22850.8	25537.0	26099.0	18763.1
55°	20077.0	20160.9	20971.2	21555.1	22292.4	21208.4	21011.3	24047.9	26818.0	27956.7	20131.7
57.5°	18679.2	18814.2	20190.1	21449.3	23500.4	23752.3	22836.2	25595.4	28099.0	29785.2	21715.7
60°	15693.7	15974.7	17843.4	19770.4	22956.6	25580.8	26569.8	27697.6	29781.6	31653.9	23639.1
62.5°	10022.1	10131.6	12752.1	15978.4	20507.7	25401.9	30635.6	31402.0	32343.6	34088.2	26602.7
65°	5018.3	5368.7	6905.2	9536.7	14788.6	22383.6	32690.4	38186.8	37033.5	38256.2	31405.7
67.5°	3405.2	3518.3	4295.7	5730.0	8671.7	15857.9	31416.6	43902.2	43562.8	43763.6	36526.2
70°	2511.0	2584.0	3197.1	4058.5	5244.6	9003.8	25011.4	43471.6	45789.1	45716.2	35989.7
72.5°	1832.1	1868.6	2332.2	3098.6	3886.9	4657.0	15274.0	35117.4	39971.5	42077.4	31475.0
75°	1332.1	1375.9	1620.5	2317.6	3022.0	2905.2	7540.3	25365.4	30482.3	34533.5	25642.8
77.5°	992.7	1047.5	1160.6	1452.6	2116.8	2080.3	3259.2	16471.1	19715.7	22555.2	15576.9
80°	715.3	726.3	792.0	930.7	1343.1	1219.0	1551.1	8587.7	9846.9	10788.5	6105.9
82.5°	434.3	445.3	529.2	573.0	832.1	766.4	806.6	2781.1	3985.5	4230.0	2281.1
85°	127.7	135.0	240.9	262.8	346.7	328.5	324.8	1131.4	1350.4	1726.3	897.8
87.5°	0.0	0.0	0.0	0.0	3.6	21.9	40.1	200.7	302.9	419.7	219.0
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°	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6	5890.6
2.5°	5952.7	5868.7	5824.9	5748.3	5693.5	5638.8	5584.0	5532.9	5511.0	5478.2	5485.5
5°	6058.5	5927.1	5795.7	5646.1	5518.3	5412.5	5317.6	5233.7	5197.2	5164.3	5178.9
7.5°	6219.1	6022.0	5770.2	5496.4	5295.7	5149.7	5051.2	4992.8	4974.5	4949.0	4949.0
10°	6423.5	6127.8	5686.2	5295.7	5054.8	4938.0	4894.2	4890.6	4908.8	4912.5	4905.2
12.5°	6649.8	6230.0	5562.1	5058.5	4854.1	4817.6	4850.5	4912.5	4974.5	5007.4	5000.1
15°	6883.3	6295.7	5350.5	4832.2	4708.1	4755.6	4861.4	4985.5	5105.9	5168.0	5164.3
17.5°	7102.3	6310.3	5076.7	4613.2	4580.4	4700.8	4883.3	5076.7	5241.0	5328.6	5332.2
20°	7346.8	6284.8	4795.7	4416.1	4452.6	4649.7	4890.6	5124.2	5317.6	5405.2	5427.1
22.5°	7569.5	6197.2	4522.0	4230.0	4343.1	4587.7	4832.2	5051.2	5222.7	5306.7	5335.9
25°	7770.2	6029.3	4222.7	4073.1	4259.2	4500.1	4686.2	4839.5	4959.9	5011.0	5051.2
27.5°	7879.7	5777.5	3996.4	3949.0	4178.9	4376.0	4478.2	4525.6	4565.8	4551.2	4580.4
30°	7901.6	5463.6	3799.3	3850.4	4058.5	4204.5	4226.4	4178.9	4109.6	3996.4	4022.0
32.5°	7879.7	5102.3	3635.1	3744.6	3923.4	4011.0	3981.8	3857.7	3689.8	3514.7	3525.6
35°	7887.0	4737.3	3500.1	3627.8	3766.5	3813.9	3740.9	3569.4	3390.6	3230.0	3222.7
37.5°	7967.3	4430.7	3386.9	3514.7	3613.2	3620.5	3540.2	3361.4	3270.1	3149.7	3135.1
40°	8189.9	4204.5	3284.7	3401.5	3463.6	3459.9	3368.7	3240.9	3303.0	3262.8	3251.9
42.5°	8554.9	4065.8	3200.8	3281.1	3324.9	3332.2	3259.2	3178.9	3313.9	3262.8	3244.6
45°	9142.5	4058.5	3142.4	3160.6	3230.0	3281.1	3230.0	3138.7	3189.8	2941.7	2894.2
47.5°	9839.6	4182.6	3098.6	3054.8	3175.2	3266.5	3186.2	3040.2	2934.4	2708.1	2675.2
50°	10679.0	4434.4	3058.4	2941.7	3094.9	3211.7	3131.4	2930.7	2770.1	2649.7	2631.4
52.5°	11675.4	4766.5	3007.4	2813.9	2974.5	3182.5	3131.4	2919.8	2708.1	2598.6	2580.3
55°	12719.2	5149.7	2949.0	2660.6	2839.5	3189.8	3157.0	2843.1	2660.6	2602.2	2587.6
57.5°	14014.9	5609.6	2843.1	2481.8	2719.0	3124.1	3054.8	2799.3	2627.8	2580.3	2565.7
60°	15697.4	6292.1	2642.4	2299.3	2580.3	3007.4	2963.6	2726.3	2540.2	2500.0	2489.1
62.5°	18361.6	7449.0	2397.9	2124.1	2416.1	2762.8	2828.5	2587.6	2430.7	2427.1	2423.4
65°	22704.8	8839.6	2109.5	1967.2	2244.6	2562.1	2649.7	2445.3	2317.6	2357.7	2354.1
67.5°	25748.6	8960.0	1872.3	1803.0	2043.8	2343.1	2470.8	2299.3	2160.6	2237.3	2233.6
70°	23584.4	6989.2	1667.9	1631.4	1828.5	2105.9	2277.4	2116.8	1978.1	2051.1	2036.5
72.5°	19890.9	5357.8	1474.5	1452.6	1609.5	1857.7	2029.2	1934.3	1788.4	1788.4	1755.5
75°	15985.7	4419.8	1270.1	1259.1	1365.0	1605.9	1799.3	1638.7	1503.7	1496.4	1474.5
77.5°	9168.0	2897.9	1065.7	1058.4	1091.3	1343.1	1397.8	1365.0	1262.8	1215.4	1200.8
80°	3653.4	1507.3	839.4	792.0	824.8	985.4	1102.2	1047.5	959.9	901.5	868.6
82.5°	1416.1	755.5	591.3	518.3	565.7	711.7	799.3	781.0	722.6	591.3	554.8
85°	576.7	368.6	354.0	299.3	328.5	383.2	459.9	397.8	328.5	233.6	222.6
87.5°	153.3	135.0	131.4	80.3	62.0	18.2	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)