

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: P641787

Luminaire Tested: GWS-SA6B-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

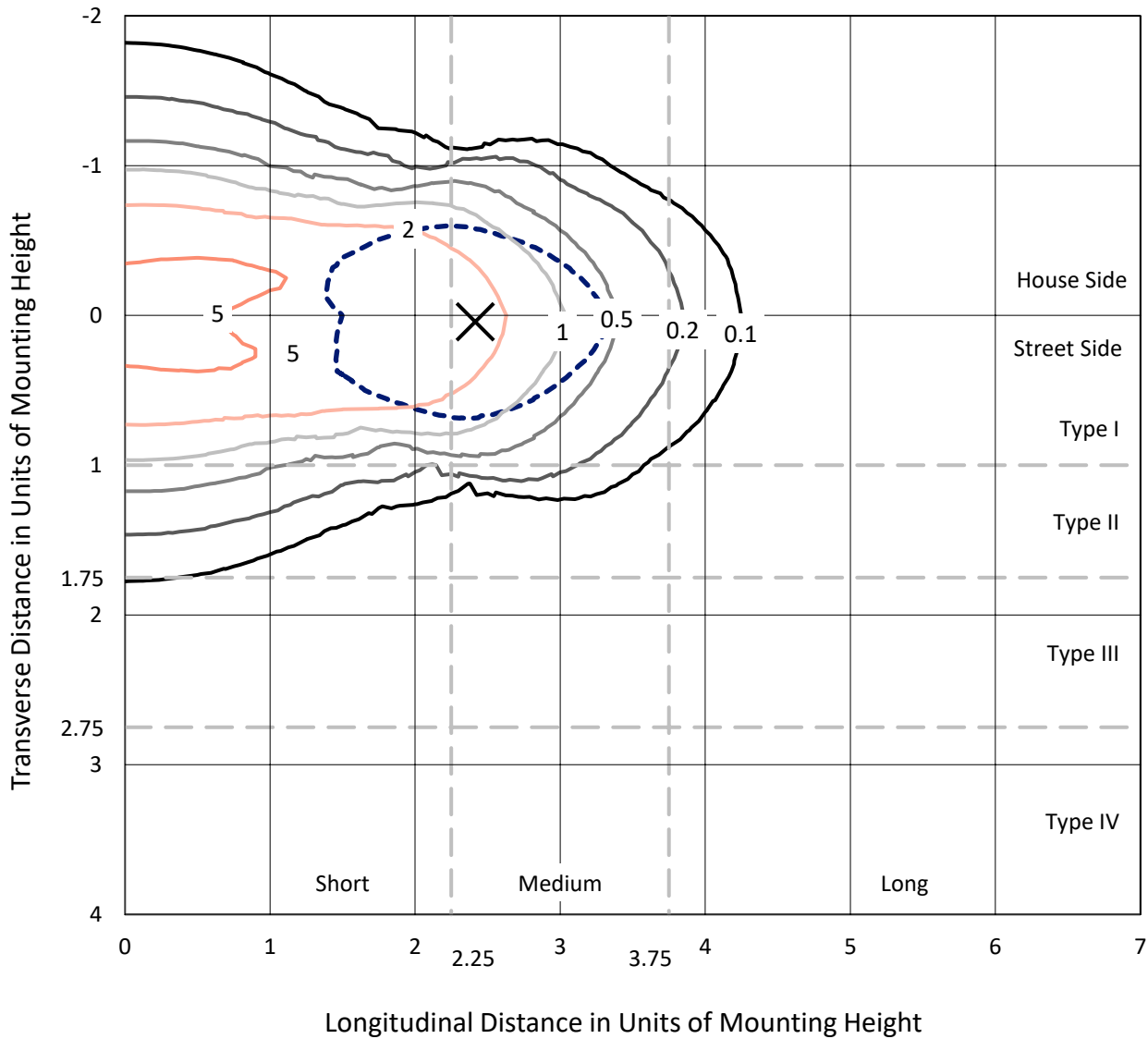
Lumens per Lamp: N/A  
Luminaire Lumens: 21618.1 lumens  
Efficiency: N/A  
Efficacy: 155.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

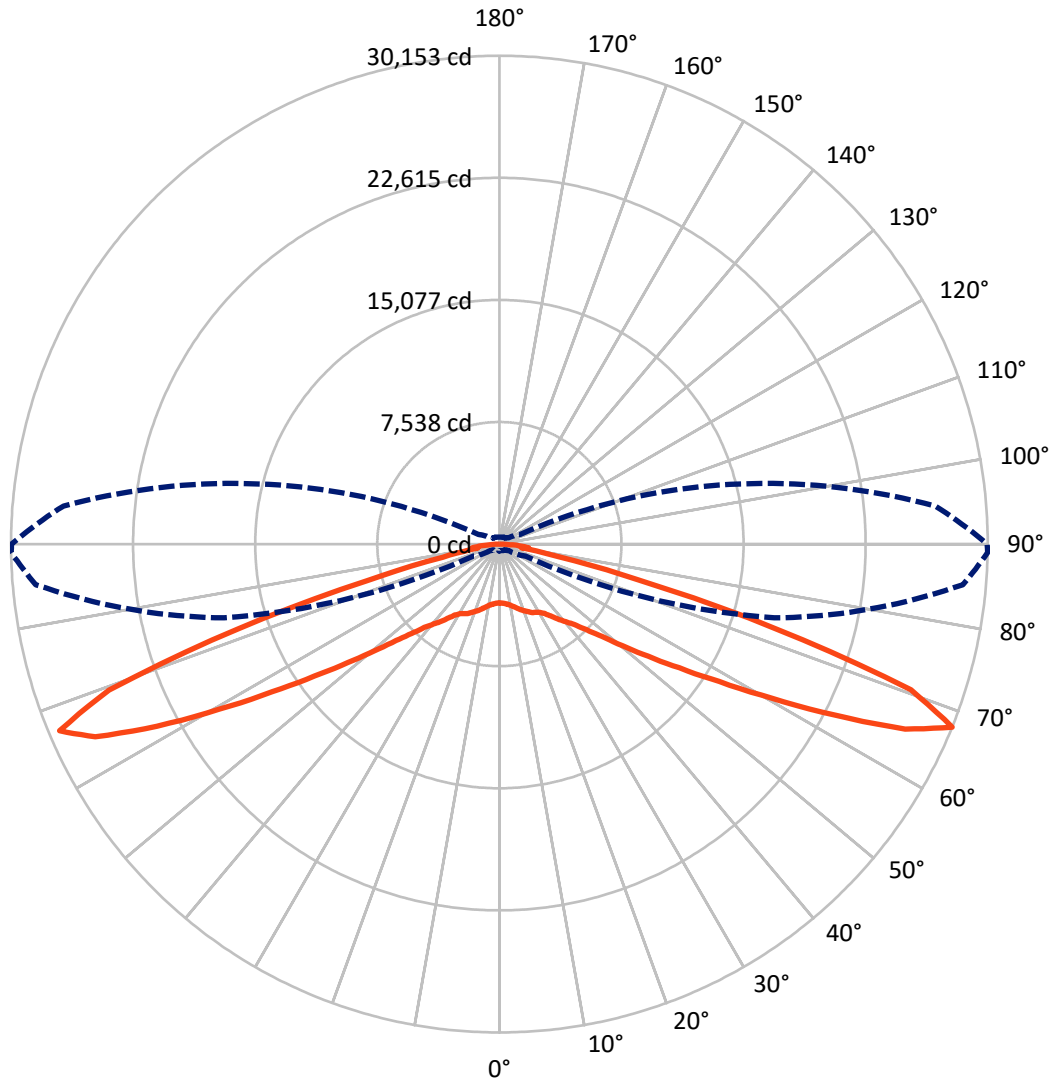
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10714.3	0.0	10714.3
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	10903.8	0.0	10903.8
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	21618.1	0.0	21618.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.0	1.7
10°-20°	1185.1	5.5
20°-30°	2003.4	9.3
30°-40°	2749.4	12.7
40°-50°	3506.0	16.2
50°-60°	4398.9	20.3
60°-70°	5305.4	24.5
70°-80°	1919.3	8.9
80°-90°	186.7	0.9
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°	21618.1	100.0
0°-180°	21618.1	100.0

**Coefficient of Utilization**



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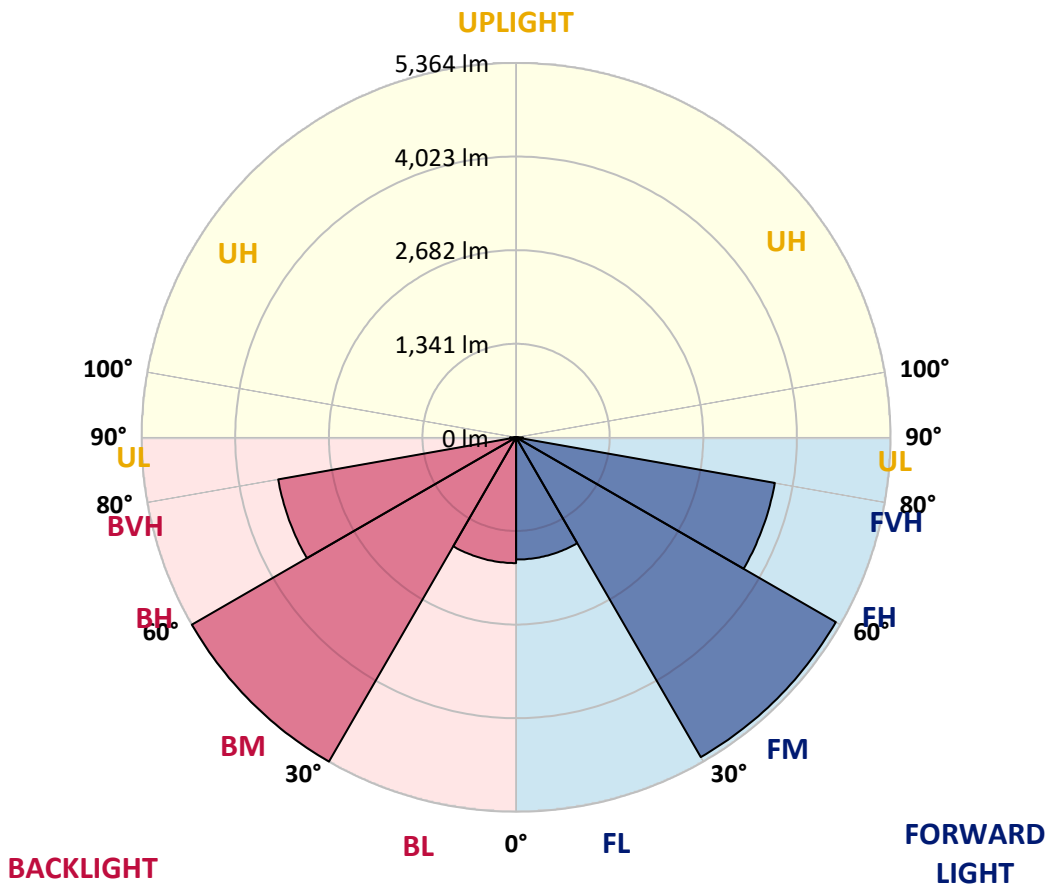
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1750.9	8.1			
FM (30°-60°)	5290.4	24.5			
FH (60°-80°)	3764.0	17.4			G2/5000
FVH (80°-90°)	98.5	0.5			G1/100
BL (0°-30°)	1801.5	8.3	B3/2500		
BM (30°-60°)	5363.9	24.8	B4/8500		
BH (60°-80°)	3460.7	16.0	B4/5000		G4/5000
BVH (80°-90°)	88.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4
2.5°	3639.3	3636.2	3628.4	3651.7	3647.1	3648.6	3657.9	3651.7	3640.8	3622.2	3648.6
5°	3741.8	3740.2	3723.1	3737.1	3721.6	3710.7	3709.2	3693.6	3681.2	3661.0	3689.0
7.5°	3841.1	3839.6	3825.6	3850.4	3838.0	3825.6	3811.6	3780.6	3751.1	3721.6	3752.6
10°	3917.2	3915.7	3912.5	3948.3	3951.4	3956.0	3949.8	3897.0	3845.8	3810.1	3841.1
12.5°	3960.7	3965.3	3973.1	4038.3	4070.9	4102.0	4109.7	4066.3	3980.9	3929.6	3966.9
15°	3931.2	3940.5	3979.3	4097.3	4187.4	4257.2	4286.7	4251.0	4140.8	4055.4	4097.3
17.5°	3789.9	3797.7	3873.7	4053.8	4252.6	4414.0	4462.2	4440.4	4317.8	4213.8	4254.1
20°	3594.3	3611.3	3693.6	3945.2	4241.7	4522.7	4651.6	4643.8	4510.3	4350.4	4398.5
22.5°	3417.3	3437.5	3524.4	3802.3	4168.7	4550.7	4842.6	4862.7	4685.7	4487.0	4525.8
25°	3218.5	3237.2	3349.0	3633.1	4043.0	4528.9	5005.6	5097.2	4884.5	4643.8	4679.5
27.5°	3015.1	3029.1	3139.4	3442.1	3878.4	4488.6	5134.4	5354.9	5080.1	4752.5	4777.3
30°	2836.6	2855.2	2956.1	3251.1	3698.3	4407.8	5240.0	5629.7	5305.2	4875.2	4895.3
32.5°	2664.3	2679.8	2790.0	3063.3	3507.3	4283.6	5334.7	5952.7	5639.0	5103.4	5103.4
35°	2446.9	2474.8	2599.1	2883.2	3327.2	4119.0	5403.0	6328.4	6095.5	5440.3	5441.9
37.5°	2246.6	2262.1	2392.6	2679.8	3137.8	3932.7	5409.3	6718.1	6673.1	5868.8	5871.9
40°	2018.4	2038.6	2178.3	2462.4	2920.4	3737.1	5350.3	7081.4	7278.6	6309.8	6292.7
42.5°	1787.0	1816.5	1950.1	2228.0	2686.0	3498.0	5193.4	7427.6	8047.1	6820.6	6778.6
45°	1563.5	1582.1	1715.6	1978.0	2417.4	3212.3	4941.9	7759.9	8960.0	7596.9	7536.3
47.5°	1311.9	1319.7	1457.9	1709.4	2139.5	2894.0	4581.7	8056.4	9963.0	8624.7	8520.7
50°	1088.4	1099.2	1207.9	1423.7	1799.5	2516.8	4133.0	8230.3	11240.8	10026.7	9846.6
52.5°	880.3	891.2	978.1	1150.5	1487.4	2086.7	3577.2	8190.0	12537.2	11767.1	11504.8
55°	711.1	718.9	777.9	912.9	1170.7	1659.7	2920.4	7828.2	13976.5	14040.2	13475.0
57.5°	600.9	604.0	644.3	726.6	914.5	1279.3	2254.4	6974.3	15485.6	16940.4	16012.0
60°	537.2	538.8	557.4	608.6	722.0	976.6	1652.0	5614.2	17049.1	20568.8	19295.7
62.5°	496.8	496.8	512.4	541.9	599.3	751.5	1214.1	4032.1	18171.6	24517.1	23251.7
65°	458.0	458.0	468.9	493.7	524.8	613.3	911.4	2600.6	18722.8	27817.9	27536.9
67.5°	408.3	409.9	417.6	444.0	472.0	512.4	690.9	1759.1	17578.5	28730.8	30153.0
70°	361.8	363.3	374.2	391.3	414.5	442.5	540.3	1212.6	12795.0	23928.7	26960.9
72.5°	310.5	316.7	324.5	343.1	357.1	377.3	440.9	785.6	7444.7	15392.5	17822.3
75°	254.6	262.4	271.7	290.3	299.7	307.4	363.3	560.5	3581.8	7800.3	8882.4
77.5°	197.2	204.9	215.8	232.9	239.1	248.4	277.9	405.2	1715.6	3457.6	3727.8
80°	132.0	135.1	144.4	164.6	175.4	181.7	204.9	276.4	745.2	1388.0	1375.6
82.5°	80.7	82.3	85.4	97.8	102.5	108.7	133.5	169.2	355.5	1577.4	1808.8
85°	29.5	27.9	26.4	34.2	40.4	46.6	62.1	85.4	155.3	1083.7	1212.6
87.5°	0.0	0.0	0.0	1.6	3.1	3.1	6.2	12.4	37.3	405.2	277.9
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°	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4
2.5°	3640.8	3623.8	3645.5	3661.0	3695.2	3707.6	3710.7	3699.8	3699.8	3681.2	3684.3
5°	3682.8	3671.9	3707.6	3734.0	3783.7	3802.3	3814.7	3807.0	3811.6	3799.2	3802.3
7.5°	3746.4	3737.1	3799.2	3850.4	3901.7	3923.4	3934.3	3928.1	3929.6	3914.1	3918.8
10°	3834.9	3838.0	3912.5	3979.3	4047.6	4069.4	4074.0	4055.4	4039.9	4011.9	4013.5
12.5°	3956.0	3971.5	4077.1	4151.6	4221.5	4252.6	4218.4	4150.1	4086.4	4038.3	4032.1
15°	4088.0	4115.9	4268.1	4362.8	4438.9	4423.4	4322.4	4168.7	4043.0	3971.5	3957.6
17.5°	4246.4	4288.3	4479.2	4592.6	4657.8	4558.4	4347.3	4117.5	3942.0	3845.8	3827.2
20°	4395.4	4462.2	4702.8	4850.3	4858.1	4634.5	4336.4	4013.5	3793.0	3675.0	3650.2
22.5°	4532.0	4617.4	4937.3	5125.1	5024.2	4668.7	4269.6	3866.0	3612.9	3474.7	3453.0
25°	4681.1	4802.2	5210.5	5386.0	5190.3	4654.7	4129.9	3682.8	3395.5	3254.2	3238.7
27.5°	4783.6	4935.7	5485.3	5653.0	5327.0	4575.5	3949.8	3482.5	3196.8	3063.3	3041.5
30°	4901.6	5095.6	5788.1	5943.3	5410.8	4459.1	3757.3	3296.2	3012.0	2867.7	2852.1
32.5°	5115.8	5359.6	6163.8	6250.8	5437.2	4314.7	3572.5	3116.1	2819.5	2675.1	2653.4
35°	5460.5	5746.2	6691.7	6593.9	5417.0	4156.3	3397.1	2904.9	2622.3	2487.3	2465.5
37.5°	5895.2	6250.8	7280.1	6902.9	5361.1	3982.4	3189.0	2727.9	2445.3	2308.7	2296.3
40°	6300.4	6738.3	7940.0	7169.9	5247.8	3768.2	2988.8	2543.2	2254.4	2110.0	2082.0
42.5°	6808.1	7390.4	8703.9	7401.2	5061.5	3512.0	2763.6	2314.9	2015.3	1884.9	1850.7
45°	7579.8	8303.3	9592.0	7623.3	4783.6	3196.8	2481.1	2037.0	1752.9	1619.4	1593.0
47.5°	8542.4	9444.5	10554.6	7755.2	4361.3	2864.5	2161.2	1743.6	1459.4	1308.8	1296.4
50°	9894.7	11104.2	11587.0	7731.9	3889.3	2470.2	1801.0	1394.2	1156.7	1048.0	1030.9
52.5°	11542.0	13187.8	12703.4	7452.5	3387.8	2021.5	1403.5	1094.6	917.6	840.0	826.0
55°	13608.5	15682.8	13878.7	6853.2	2754.3	1547.9	1102.3	863.2	742.1	695.6	689.4
57.5°	16167.2	18913.8	15010.5	5844.0	2071.2	1181.5	849.3	712.6	655.2	627.3	625.7
60°	19544.1	22343.5	15993.3	4541.4	1482.7	903.6	701.8	636.6	591.5	572.9	571.4
62.5°	23559.1	25458.0	16605.0	3092.8	1114.8	720.4	617.9	577.6	551.2	540.3	538.8
65°	27685.9	27426.7	16313.2	2026.1	846.2	611.7	554.3	532.5	509.3	498.4	498.4
67.5°	30123.5	27010.6	14072.8	1406.7	670.7	537.2	499.9	479.8	440.9	431.6	431.6
70°	26681.4	21887.0	9224.0	1029.4	543.4	470.4	434.7	406.8	391.3	381.9	380.4
72.5°	17646.8	14242.0	4904.7	714.2	453.4	400.6	368.0	357.1	338.5	329.2	327.6
75°	8783.1	7480.4	2513.7	515.5	377.3	321.4	307.4	302.8	287.2	274.8	271.7
77.5°	3661.0	3330.3	1172.2	374.2	287.2	259.3	246.9	246.9	229.8	215.8	209.6
80°	1380.3	1229.7	554.3	256.2	212.7	192.5	184.8	178.5	164.6	147.5	138.2
82.5°	1846.0	1206.4	271.7	159.9	139.7	124.2	113.3	108.7	100.9	93.2	86.9
85°	1195.5	857.0	122.7	82.3	69.9	52.8	46.6	43.5	38.8	34.2	31.1
87.5°	243.8	287.2	37.3	15.5	9.3	4.7	4.7	1.6	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)