

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: P643767

Luminaire Tested: GWS-SA6F-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643767  
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-SA6F-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**

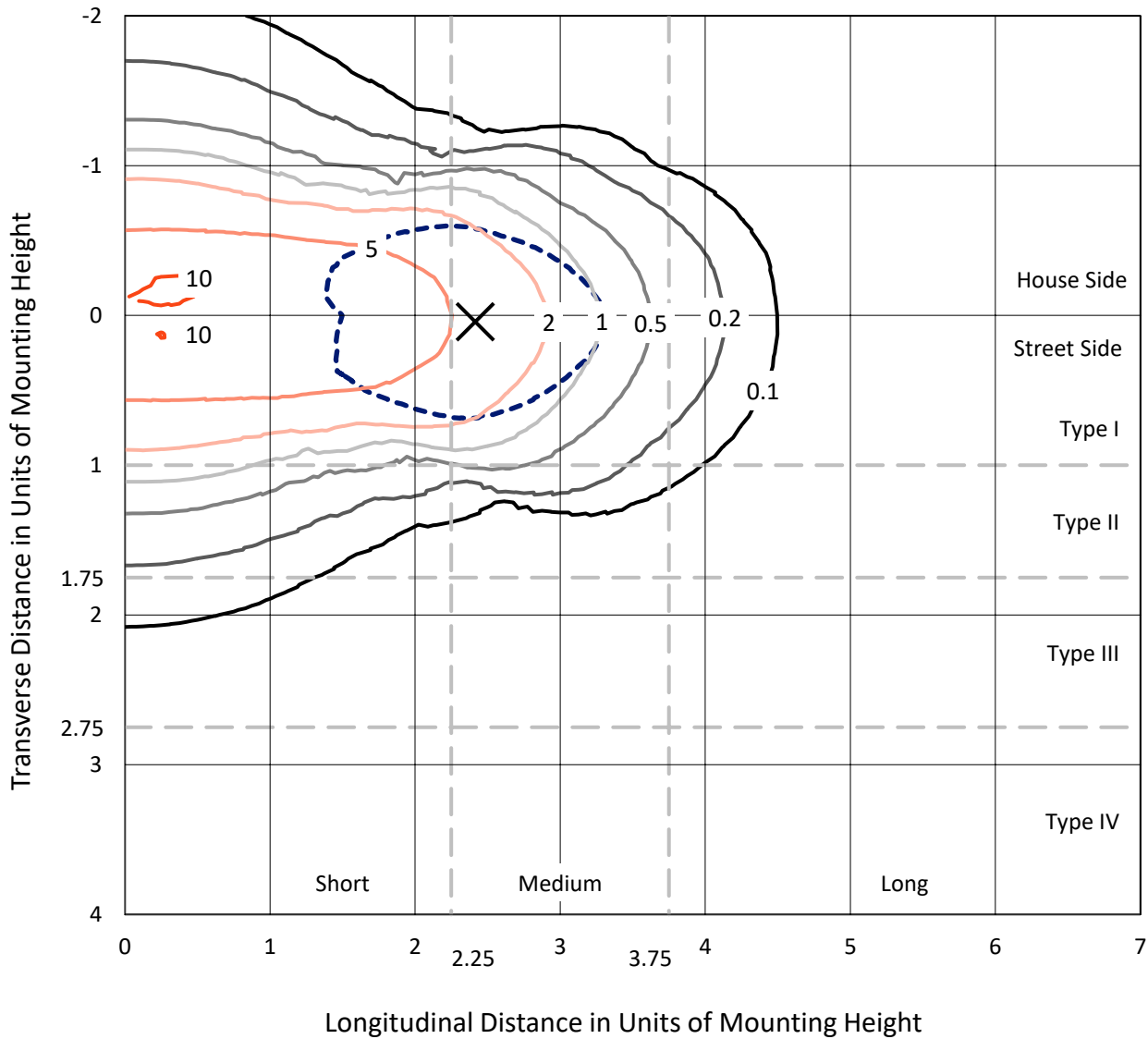
Lumens per Lamp: N/A  
Luminaire Lumens: 50817.5 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P643767  
 CATALOG NUMBER: GWS-SA6F-750-U-T1-W

### Iso-Footcandle Lines of Horizontal Illumination

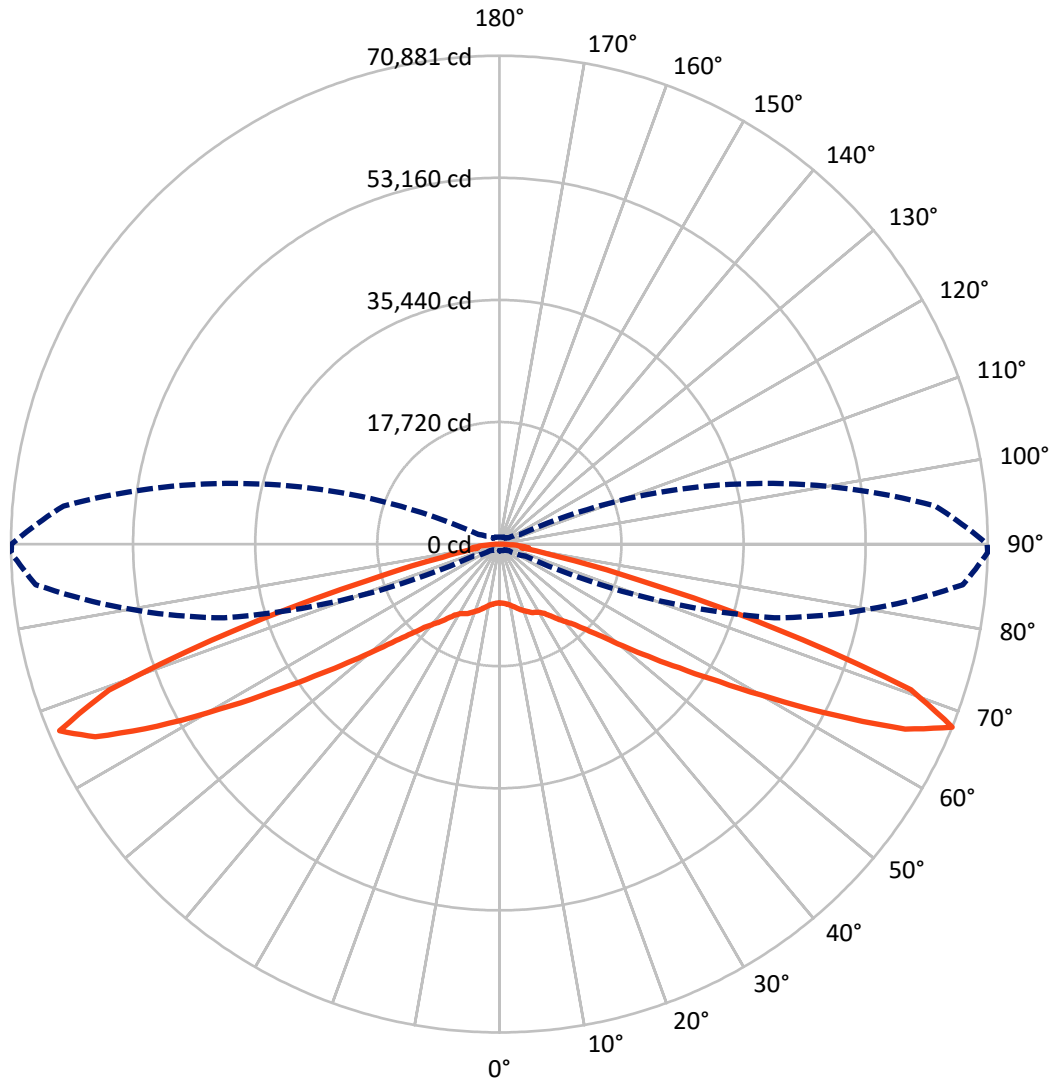
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.3 fc  
 Type I - Medium - N/A

REPORT NUMBER: P643767  
CATALOG NUMBER: GWS-SA6F-750-U-T1-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P643767

CATALOG NUMBER: GWS-SA6F-750-U-T1-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	25186.0	0.0	25186.0
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	25631.5	0.0	25631.5
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	50817.5	0.0	50817.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	855.5	1.7
10°-20°	2785.8	5.5
20°-30°	4709.3	9.3
30°-40°	6462.9	12.7
40°-50°	8241.6	16.2
50°-60°	10340.4	20.3
60°-70°	12471.4	24.5
70°-80°	4511.8	8.9
80°-90°	438.8	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°	50817.5	100.0
0°-180°	50817.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P643767

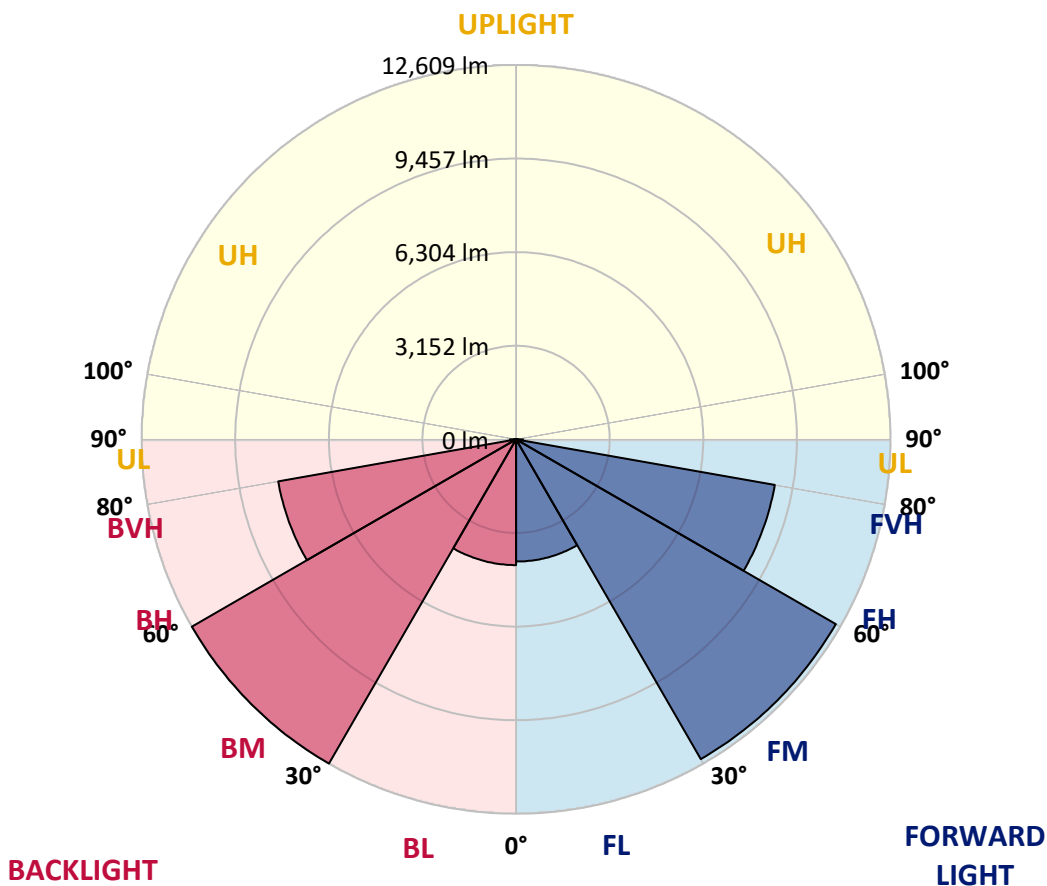
CATALOG NUMBER: GWS-SA6F-750-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4115.8	8.1			
FM (30°-60°)	12436.0	24.5			
FH (60°-80°)	8848.1	17.4			G4/12000
FVH (80°-90°)	231.5	0.5			G3/500
BL (0°-30°)	4234.8	8.3	B4/5000		
BM (30°-60°)	12608.9	24.8	B5		
BH (60°-80°)	8135.1	16.0	B5		G5
BVH (80°-90°)	207.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Medium





REPORT NUMBER: P643767

CATALOG NUMBER: GWS-SA6F-750-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3
2.5°	8554.9	8547.6	8529.3	8584.1	8573.1	8576.8	8598.7	8584.1	8558.5	8514.7	8576.8
5°	8795.7	8792.1	8751.9	8784.8	8748.3	8722.7	8719.1	8682.6	8653.4	8606.0	8671.6
7.5°	9029.3	9025.7	8992.8	9051.2	9022.0	8992.8	8960.0	8887.0	8817.6	8748.3	8821.3
10°	9208.1	9204.5	9197.2	9281.1	9288.4	9299.4	9284.8	9160.7	9040.3	8956.3	9029.3
12.5°	9310.3	9321.3	9339.5	9492.8	9569.5	9642.5	9660.7	9558.5	9357.8	9237.3	9324.9
15°	9241.0	9262.9	9354.1	9631.5	9843.2	10007.4	10076.8	9992.8	9733.7	9533.0	9631.5
17.5°	8908.9	8927.1	9106.0	9529.3	9996.5	10376.0	10489.2	10438.1	10149.8	9905.2	10000.1
20°	8449.0	8489.2	8682.6	9273.8	9970.9	10631.5	10934.4	10916.2	10602.3	10226.4	10339.6
22.5°	8033.0	8080.4	8284.8	8938.1	9799.4	10697.2	11383.4	11430.8	11014.7	10547.6	10638.8
25°	7565.8	7609.6	7872.4	8540.3	9503.8	10646.1	11766.6	11981.9	11481.9	10916.2	11000.1
27.5°	7087.7	7120.5	7379.7	8091.3	9116.9	10551.2	12069.5	12587.8	11941.8	11171.7	11230.1
30°	6668.0	6711.8	6949.0	7642.4	8693.5	10361.4	12317.7	13233.7	12471.0	11460.0	11507.4
32.5°	6262.9	6299.4	6558.5	7200.8	8244.6	10069.5	12540.3	13992.9	13255.6	11996.5	11996.5
35°	5751.9	5817.6	6109.6	6777.5	7821.3	9682.6	12700.9	14876.1	14328.7	12788.5	12792.1
37.5°	5281.1	5317.6	5624.2	6299.4	7376.0	9244.6	12715.5	15792.2	15686.3	13795.8	13803.1
40°	4744.6	4792.0	5120.5	5788.4	6865.1	8784.8	12576.8	16646.2	17109.7	14832.3	14792.2
42.5°	4200.8	4270.1	4584.0	5237.3	6314.0	8222.7	12208.2	17460.1	18916.3	16033.1	15934.5
45°	3675.2	3719.0	4032.9	4649.7	5682.6	7551.2	11616.9	18241.1	21062.3	17857.9	17715.6
47.5°	3084.0	3102.2	3427.1	4018.3	5029.3	6803.0	10770.2	18938.2	23420.0	20274.0	20029.5
50°	2558.4	2584.0	2839.5	3346.8	4230.0	5916.1	9715.5	19347.0	26423.7	23569.6	23146.3
52.5°	2069.4	2094.9	2299.3	2704.4	3496.4	4905.2	8408.9	19252.1	29471.2	27660.9	27044.1
55°	1671.6	1689.8	1828.5	2146.0	2751.9	3901.5	6865.1	18401.7	32854.4	33004.1	31675.6
57.5°	1412.4	1419.7	1514.6	1708.1	2149.7	3007.3	5299.3	16394.4	36401.9	39821.7	37639.2
60°	1262.8	1266.4	1310.2	1430.7	1697.1	2295.7	3883.3	13197.3	40077.2	48351.0	45358.3
62.5°	1167.9	1167.9	1204.4	1273.7	1408.8	1766.4	2854.1	9478.2	42715.9	57632.1	54657.6
65°	1076.7	1076.7	1102.2	1160.6	1233.6	1441.6	2142.4	6113.2	44011.5	65391.4	64730.8
67.5°	959.9	963.5	981.8	1043.8	1109.5	1204.4	1624.1	4135.1	41321.7	67537.4	70880.5
70°	850.4	854.0	879.6	919.7	974.5	1040.2	1270.1	2850.4	30077.0	56248.9	63376.7
72.5°	729.9	744.5	762.8	806.6	839.4	886.9	1036.5	1846.7	17500.2	36183.0	41894.7
75°	598.5	616.8	638.7	682.5	704.4	722.6	854.0	1317.5	8419.8	18336.0	20879.8
77.5°	463.5	481.8	507.3	547.5	562.1	583.9	653.3	952.6	4032.9	8127.8	8762.9
80°	310.2	317.5	339.4	386.9	412.4	427.0	481.8	649.6	1751.8	3262.8	3233.6
82.5°	189.8	193.4	200.7	229.9	240.9	255.5	313.9	397.8	835.8	3708.1	4251.9
85°	69.3	65.7	62.0	80.3	94.9	109.5	146.0	200.7	365.0	2547.5	2850.4
87.5°	0.0	0.0	0.0	3.6	7.3	7.3	14.6	29.2	87.6	952.6	653.3
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: P643767  
 CATALOG NUMBER: GWS-SA6F-750-U-T1-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3	8529.3
2.5°	8558.5	8518.4	8569.5	8606.0	8686.2	8715.4	8722.7	8697.2	8697.2	8653.4	8660.7
5°	8657.0	8631.5	8715.4	8777.5	8894.3	8938.1	8967.3	8949.0	8960.0	8930.8	8938.1
7.5°	8806.7	8784.8	8930.8	9051.2	9171.7	9222.7	9248.3	9233.7	9237.3	9200.8	9211.8
10°	9014.7	9022.0	9197.2	9354.1	9514.7	9565.8	9576.8	9533.0	9496.5	9430.8	9434.4
12.5°	9299.4	9335.9	9584.1	9759.3	9923.5	9996.5	9916.2	9755.6	9606.0	9492.8	9478.2
15°	9609.6	9675.3	10033.0	10255.6	10434.4	10397.9	10160.7	9799.4	9503.8	9335.9	9303.0
17.5°	9981.9	10080.4	10529.3	10795.8	10949.0	10715.5	10219.1	9679.0	9266.5	9040.3	8996.5
20°	10332.3	10489.2	11054.9	11401.6	11419.9	10894.3	10193.6	9434.4	8916.2	8638.8	8580.4
22.5°	10653.4	10854.2	11606.0	12047.6	11810.4	10974.6	10036.6	9087.7	8492.8	8168.0	8116.9
25°	11003.8	11288.5	12248.3	12660.7	12200.9	10941.7	9708.2	8657.0	7981.9	7649.7	7613.2
27.5°	11244.7	11602.3	12894.3	13288.5	12522.1	10755.6	9284.8	8186.2	7514.7	7200.8	7149.7
30°	11522.0	11978.3	13606.0	13971.0	12719.1	10481.9	8832.2	7748.3	7080.4	6741.0	6704.5
32.5°	12025.7	12598.7	14489.2	14693.6	12781.2	10142.5	8397.9	7324.9	6627.8	6288.4	6237.3
35°	12835.9	13507.5	15730.1	15500.2	12733.7	9770.2	7985.5	6828.6	6164.3	5846.8	5795.7
37.5°	13857.8	14693.6	17113.4	16226.5	12602.4	9361.4	7496.4	6412.5	5748.2	5427.1	5397.9
40°	14810.4	15839.6	18664.5	16854.2	12335.9	8857.8	7025.6	5978.2	5299.3	4959.9	4894.2
42.5°	16003.9	17372.5	20460.1	17398.0	11898.0	8255.6	6496.4	5441.7	4737.3	4430.7	4350.4
45°	17817.7	19518.5	22547.7	17919.9	11244.7	7514.7	5832.2	4788.4	4120.5	3806.6	3744.6
47.5°	20080.6	22201.0	24810.5	18230.2	10252.0	6733.7	5080.4	4098.6	3430.7	3076.7	3047.5
50°	23259.4	26102.5	27237.6	18175.4	9142.5	5806.6	4233.6	3277.4	2719.0	2463.5	2423.4
52.5°	27131.7	31000.4	29861.7	17518.5	7963.6	4751.9	3299.3	2573.0	2157.0	1974.5	1941.6
55°	31989.5	36865.4	32624.5	16109.7	6474.5	3638.7	2591.3	2029.2	1744.5	1635.1	1620.5
57.5°	38004.1	44460.4	35285.1	13737.4	4868.7	2777.4	1996.4	1675.2	1540.2	1474.5	1470.8
60°	45942.2	52522.6	37595.4	10675.3	3485.4	2124.1	1649.7	1496.4	1390.5	1346.7	1343.1
62.5°	55380.3	59843.8	39033.4	7270.2	2620.5	1693.5	1452.6	1357.7	1295.6	1270.1	1266.4
65°	65081.1	64471.6	38347.2	4762.8	1989.1	1438.0	1302.9	1251.8	1197.1	1171.5	1171.5
67.5°	70811.1	63493.5	33080.7	3306.6	1576.7	1262.8	1175.2	1127.8	1036.5	1014.6	1014.6
70°	62719.8	51449.6	21682.8	2419.7	1277.4	1105.9	1021.9	956.2	919.7	897.8	894.2
72.5°	41482.3	33478.5	11529.3	1678.9	1065.7	941.6	865.0	839.4	795.6	773.7	770.1
75°	20646.3	17584.2	5908.8	1211.7	886.9	755.5	722.6	711.7	675.2	646.0	638.7
77.5°	8606.0	7828.6	2755.5	879.6	675.2	609.5	580.3	580.3	540.2	507.3	492.7
80°	3244.6	2890.5	1302.9	602.2	500.0	452.6	434.3	419.7	386.9	346.7	324.8
82.5°	4339.5	2835.8	638.7	375.9	328.5	292.0	266.4	255.5	237.2	219.0	204.4
85°	2810.3	2014.6	288.3	193.4	164.2	124.1	109.5	102.2	91.2	80.3	73.0
87.5°	573.0	675.2	87.6	36.5	21.9	10.9	10.9	3.6	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)