

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: P642337

Luminaire Tested: GWS-SA6C-760-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642337  
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-SA6C-760-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

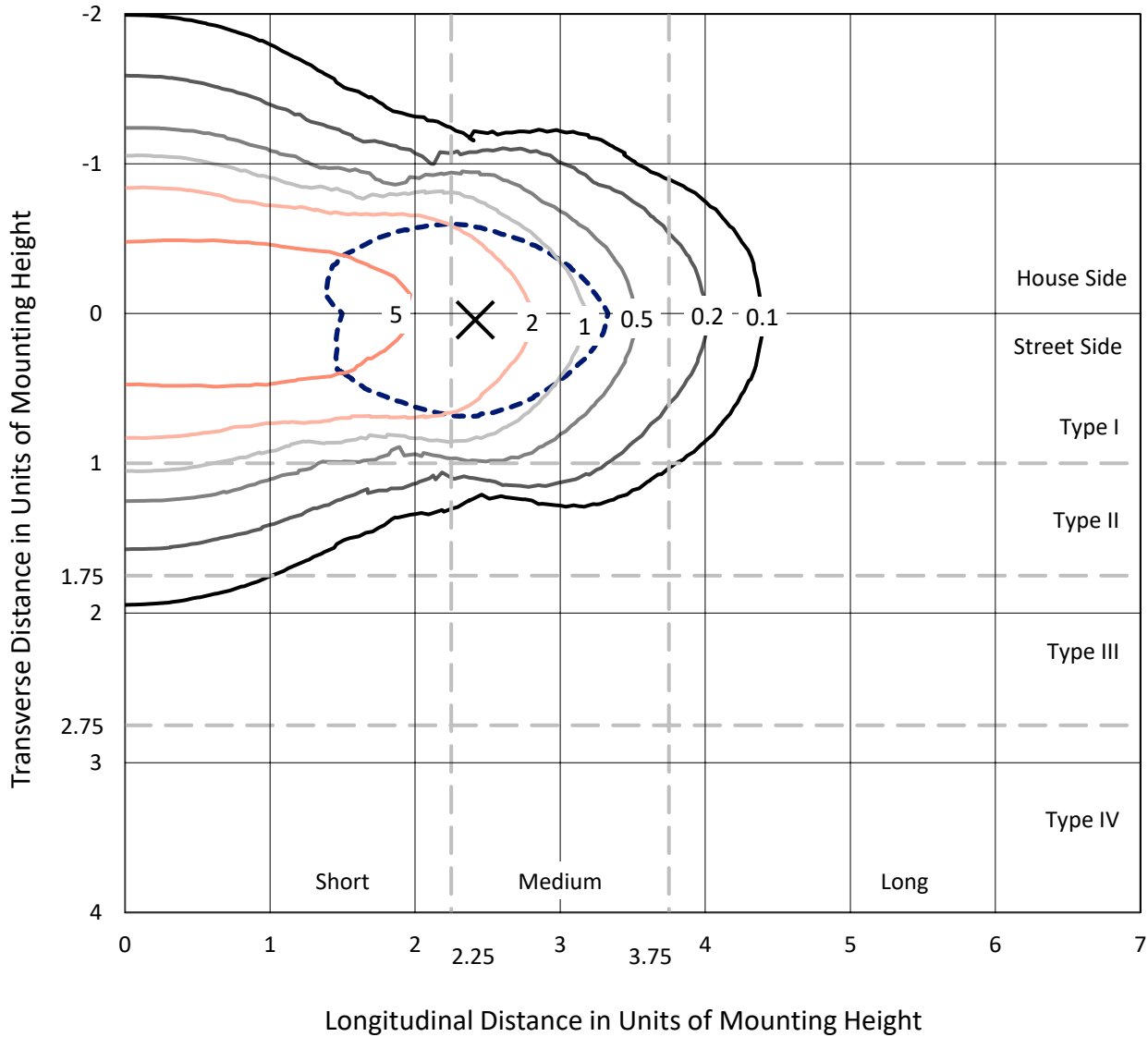
Lumens per Lamp: N/A  
Luminaire Lumens: 28594.9 lumens  
Efficiency: N/A  
Efficacy: 151.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

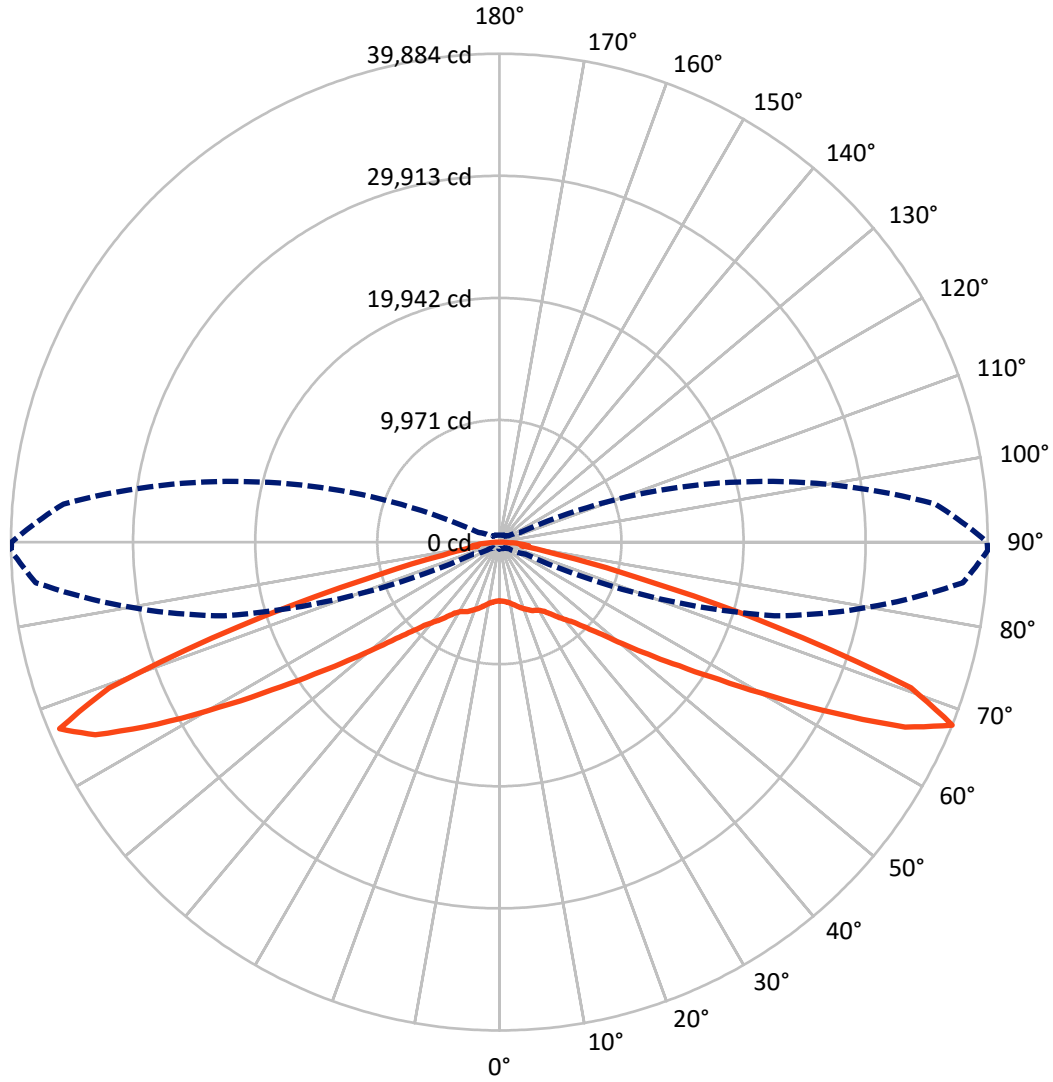
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type I - Medium - N/A

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CATALOG NUMBER: GWS-SA6C-760-U-T1-W

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA6C-760-U-T1-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14172.1	0.0	14172.1
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	14422.8	0.0	14422.8
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	28594.9	0.0	28594.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.4	1.7
10°-20°	1567.6	5.5
20°-30°	2649.9	9.3
30°-40°	3636.7	12.7
40°-50°	4637.5	16.2
50°-60°	5818.5	20.3
60°-70°	7017.6	24.5
70°-80°	2538.8	8.9
80°-90°	246.9	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°	28594.9	100.0
0°-180°	28594.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642337

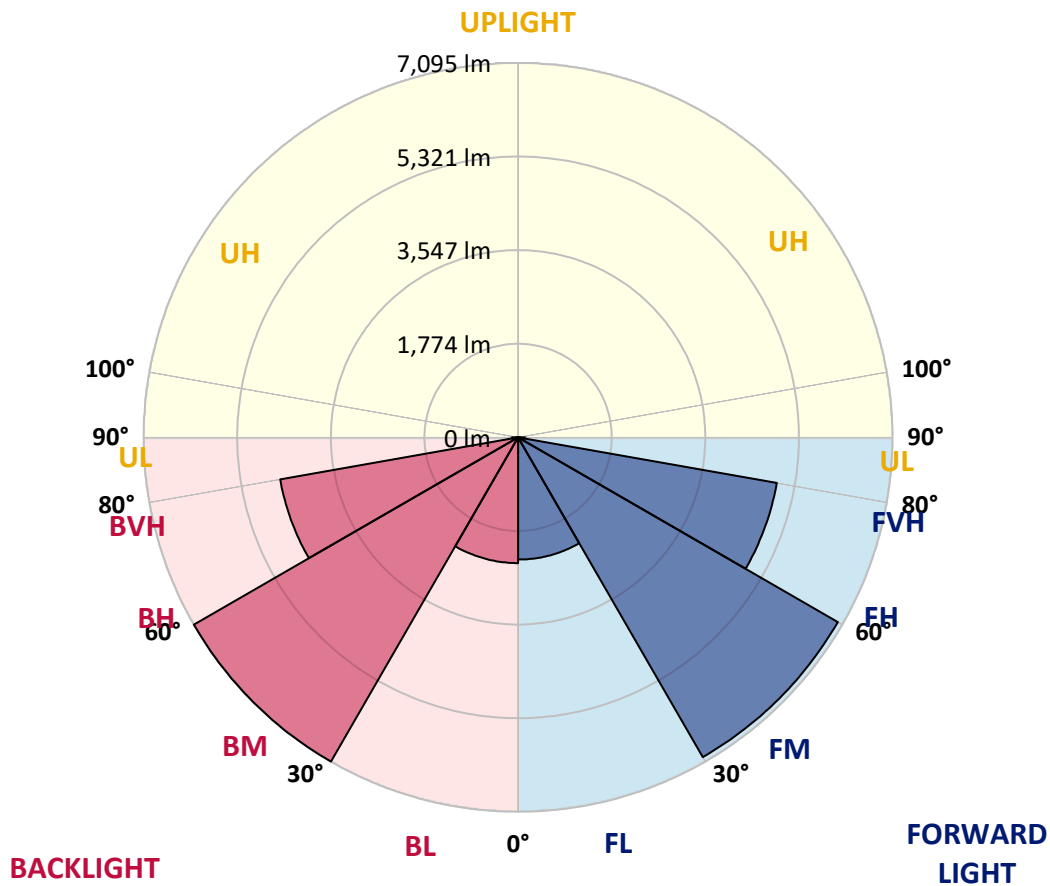
CATALOG NUMBER: GWS-SA6C-760-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2316.0	8.1			
FM (30°-60°)	6997.7	24.5			
FH (60°-80°)	4978.8	17.4			G2/5000
FVH (80°-90°)	130.3	0.5			G2/225
BL (0°-30°)	2382.9	8.3	B3/2500		
BM (30°-60°)	7095.0	24.8	B4/8500		
BH (60°-80°)	4577.6	16.0	B4/5000		G4/5000
BVH (80°-90°)	116.6	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-G4**

Type I Medium





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 CATALOG NUMBER: GWS-SA6C-760-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4
2.5°	4813.8	4809.7	4799.4	4830.2	4824.1	4826.1	4838.4	4830.2	4815.9	4791.2	4826.1
5°	4949.3	4947.3	4924.7	4943.2	4922.6	4908.3	4906.2	4885.7	4869.2	4842.6	4879.5
7.5°	5080.8	5078.7	5060.2	5093.1	5076.7	5060.2	5041.8	5000.7	4961.7	4922.6	4963.7
10°	5181.4	5179.4	5175.2	5222.5	5226.6	5232.7	5224.5	5154.7	5086.9	5039.7	5080.8
12.5°	5238.9	5245.1	5255.3	5341.6	5384.7	5425.8	5436.1	5378.6	5265.6	5197.8	5247.1
15°	5199.9	5212.2	5263.6	5419.6	5538.7	5631.2	5670.2	5622.9	5477.1	5364.2	5419.6
17.5°	5013.0	5023.3	5123.9	5362.1	5625.0	5838.6	5902.2	5873.5	5711.3	5573.7	5627.1
20°	4754.2	4776.8	4885.7	5218.4	5610.6	5982.3	6152.8	6142.5	5965.9	5754.4	5818.0
22.5°	4520.1	4546.8	4661.8	5029.4	5514.1	6019.3	6405.4	6432.1	6198.0	5935.1	5986.4
25°	4257.3	4281.9	4429.8	4805.6	5347.8	5990.6	6621.0	6742.2	6460.8	6142.5	6189.8
27.5°	3988.2	4006.7	4152.5	4553.0	5130.1	5937.2	6791.5	7083.1	6719.6	6286.3	6319.1
30°	3752.1	3776.7	3910.2	4300.4	4891.8	5830.4	6931.1	7446.6	7017.4	6448.5	6475.2
32.5°	3524.1	3544.6	3690.4	4051.9	4639.2	5666.1	7056.4	7873.8	7458.9	6750.4	6750.4
35°	3236.6	3273.5	3437.8	3813.7	4401.0	5448.4	7146.8	8370.8	8062.7	7196.1	7198.1
37.5°	2971.7	2992.2	3164.7	3544.6	4150.5	5201.9	7155.0	8886.2	8826.7	7762.9	7767.0
40°	2669.8	2696.5	2881.3	3257.1	3863.0	4943.2	7076.9	9366.8	9627.6	8346.1	8323.5
42.5°	2363.8	2402.8	2579.4	2947.0	3552.8	4626.9	6869.5	9824.8	10644.2	9021.8	8966.3
45°	2068.0	2092.7	2269.3	2616.4	3197.6	4249.0	6536.8	10264.2	11851.7	10048.6	9968.5
47.5°	1735.4	1745.6	1928.4	2261.1	2830.0	3828.0	6060.4	10656.5	13178.4	11408.1	11270.5
50°	1439.6	1454.0	1597.8	1883.2	2380.2	3329.0	5466.9	10886.5	14868.6	13262.6	13024.4
52.5°	1164.4	1178.8	1293.8	1521.8	1967.4	2760.1	4731.7	10833.1	16583.4	15564.8	15217.7
55°	940.6	950.8	1028.9	1207.6	1548.5	2195.4	3863.0	10354.6	18487.1	18571.3	17823.8
57.5°	794.8	798.9	852.3	961.1	1209.6	1692.2	2981.9	9225.1	20483.3	22407.6	21179.5
60°	710.6	712.6	737.3	805.0	955.0	1291.8	2185.1	7426.1	22551.3	27207.0	25523.0
62.5°	657.2	657.2	677.7	716.7	792.7	994.0	1606.0	5333.4	24036.1	32429.5	30755.7
65°	605.8	605.8	620.2	653.1	694.1	811.2	1205.5	3439.9	24765.2	36795.6	36423.9
67.5°	540.1	542.2	552.4	587.3	624.3	677.7	913.9	2326.8	23251.6	38003.1	39884.3
70°	478.5	480.6	494.9	517.5	548.3	585.3	714.7	1603.9	16924.3	31651.1	35662.0
72.5°	410.7	418.9	429.2	453.9	472.3	499.0	583.2	1039.2	9847.3	20360.1	23574.1
75°	336.8	347.1	359.4	384.0	396.4	406.6	480.6	741.4	4737.8	10317.6	11749.0
77.5°	260.8	271.1	285.5	308.1	316.3	328.6	367.6	536.0	2269.3	4573.5	4930.9
80°	174.6	178.7	191.0	217.7	232.1	240.3	271.1	365.6	985.8	1836.0	1819.6
82.5°	106.8	108.8	113.0	129.4	135.5	143.8	176.6	223.8	470.3	2086.5	2392.5
85°	39.0	37.0	34.9	45.2	53.4	61.6	82.1	113.0	205.4	1433.5	1603.9
87.5°	0.0	0.0	0.0	2.1	4.1	4.1	8.2	16.4	49.3	536.0	367.6
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°	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4
2.5°	4815.9	4793.3	4822.0	4842.6	4887.7	4904.2	4908.3	4893.9	4893.9	4869.2	4873.4
5°	4871.3	4856.9	4904.2	4939.1	5004.8	5029.4	5045.9	5035.6	5041.8	5025.3	5029.4
7.5°	4955.5	4943.2	5025.3	5093.1	5160.9	5189.6	5204.0	5195.8	5197.8	5177.3	5183.5
10°	5072.6	5076.7	5175.2	5263.6	5353.9	5382.7	5388.8	5364.2	5343.6	5306.7	5308.7
12.5°	5232.7	5253.3	5392.9	5491.5	5583.9	5625.0	5579.8	5489.5	5405.3	5341.6	5333.4
15°	5407.3	5444.3	5645.5	5770.8	5871.4	5850.9	5717.4	5514.1	5347.8	5253.3	5234.8
17.5°	5616.8	5672.2	5924.8	6074.8	6161.0	6029.6	5750.3	5446.3	5214.3	5086.9	5062.3
20°	5813.9	5902.2	6220.6	6415.7	6425.9	6130.2	5735.9	5308.7	5017.1	4861.0	4828.2
22.5°	5994.7	6107.6	6530.7	6779.2	6645.7	6175.4	5647.6	5113.6	4778.9	4596.1	4567.4
25°	6191.8	6352.0	6892.1	7124.2	6865.4	6156.9	5462.8	4871.3	4491.4	4304.5	4284.0
27.5°	6327.4	6528.6	7255.6	7477.4	7046.1	6052.2	5224.5	4606.4	4228.5	4051.9	4023.1
30°	6483.4	6740.1	7656.1	7861.4	7157.0	5898.1	4969.9	4359.9	3984.1	3793.1	3772.6
32.5°	6766.8	7089.3	8153.1	8268.1	7191.9	5707.1	4725.5	4121.7	3729.5	3538.5	3509.7
35°	7222.8	7600.6	8851.3	8721.9	7165.2	5497.7	4493.4	3842.4	3468.6	3290.0	3261.2
37.5°	7797.8	8268.1	9629.7	9130.6	7091.3	5267.7	4218.2	3608.3	3234.5	3053.8	3037.4
40°	8333.8	8912.9	10502.5	9483.8	6941.4	4984.3	3953.3	3363.9	2981.9	2790.9	2754.0
42.5°	9005.3	9775.5	11512.9	9789.8	6695.0	4645.4	3655.5	3062.0	2665.7	2493.2	2448.0
45°	10026.0	10983.0	12687.6	10083.5	6327.4	4228.5	3281.8	2694.4	2318.6	2142.0	2107.1
47.5°	11299.3	12492.5	13960.8	10258.1	5768.8	3789.0	2858.7	2306.3	1930.4	1731.2	1714.8
50°	13088.0	14687.8	15326.5	10227.3	5144.4	3267.4	2382.3	1844.2	1530.0	1386.2	1363.6
52.5°	15267.0	17443.9	16803.1	9857.6	4481.1	2673.9	1856.5	1447.8	1213.7	1111.0	1092.6
55°	18000.4	20744.1	18357.7	9064.9	3643.2	2047.5	1458.1	1141.8	981.7	920.0	911.8
57.5°	21384.9	25017.8	19854.9	7730.0	2739.6	1562.8	1123.4	942.6	866.6	829.7	827.6
60°	25851.6	29554.3	21154.8	6007.0	1961.3	1195.2	928.3	842.0	782.4	757.8	755.8
62.5°	31162.4	33674.0	21964.0	4090.9	1474.5	952.9	817.4	764.0	729.1	714.7	712.6
65°	36621.0	36278.1	21577.9	2680.0	1119.2	809.1	733.2	704.4	673.6	659.2	659.2
67.5°	39845.3	35727.7	18614.5	1860.6	887.2	710.6	661.3	634.6	583.2	570.9	570.9
70°	35292.3	28950.6	12200.8	1361.6	718.8	622.3	575.0	538.1	517.5	505.2	503.1
72.5°	23342.0	18838.3	6487.5	944.7	599.7	529.8	486.7	472.3	447.7	435.4	433.3
75°	11617.6	9894.6	3324.9	681.8	499.0	425.1	406.6	400.5	379.9	363.5	359.4
77.5°	4842.6	4405.1	1550.5	494.9	379.9	343.0	326.5	326.5	303.9	285.5	277.2
80°	1825.7	1626.5	733.2	338.9	281.4	254.7	244.4	236.2	217.7	195.1	182.8
82.5°	2441.8	1595.7	359.4	211.5	184.8	164.3	149.9	143.8	133.5	123.2	115.0
85°	1581.3	1133.6	162.2	108.8	92.4	69.8	61.6	57.5	51.3	45.2	41.1
87.5°	322.4	379.9	49.3	20.5	12.3	6.2	6.2	2.1	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)