

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: P642813

Luminaire Tested: GWS-SA6D-760-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642813  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-760-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

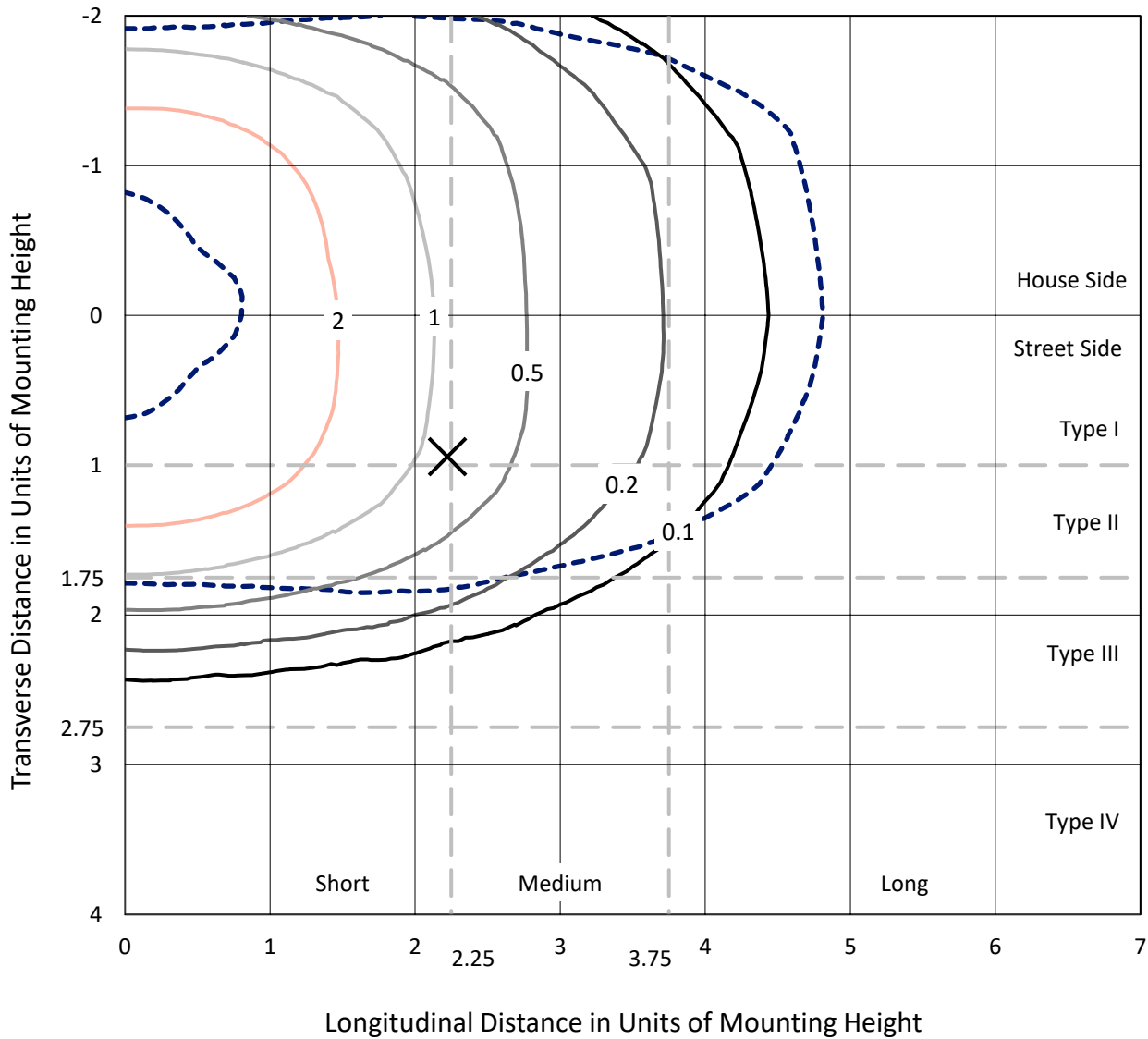
Lumens per Lamp: N/A  
Luminaire Lumens: 37203.9 lumens  
Efficiency: N/A  
Efficacy: 151.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): 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

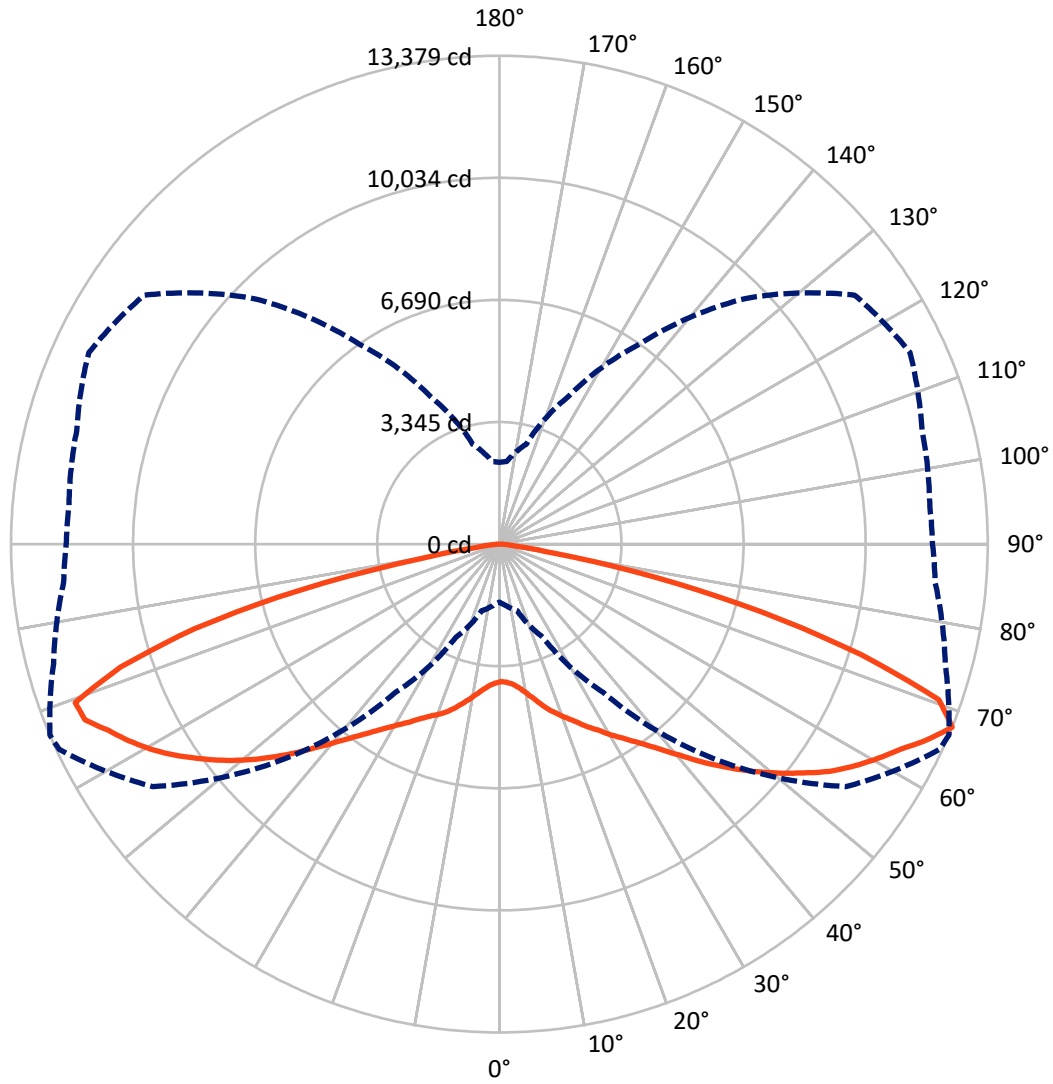
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18396.7	0.0	18396.7
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	18807.3	0.0	18807.3
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	37203.9	0.0	37203.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.6	1.0
10°-20°	1248.7	3.4
20°-30°	2449.8	6.6
30°-40°	4173.7	11.2
40°-50°	6702.2	18.0
50°-60°	9106.8	24.5
60°-70°	8711.3	23.4
70°-80°	4141.7	11.1
80°-90°	300.1	0.8
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°	37203.9	100.0
0°-180°	37203.9	100.0

**Coefficient of Utilization**



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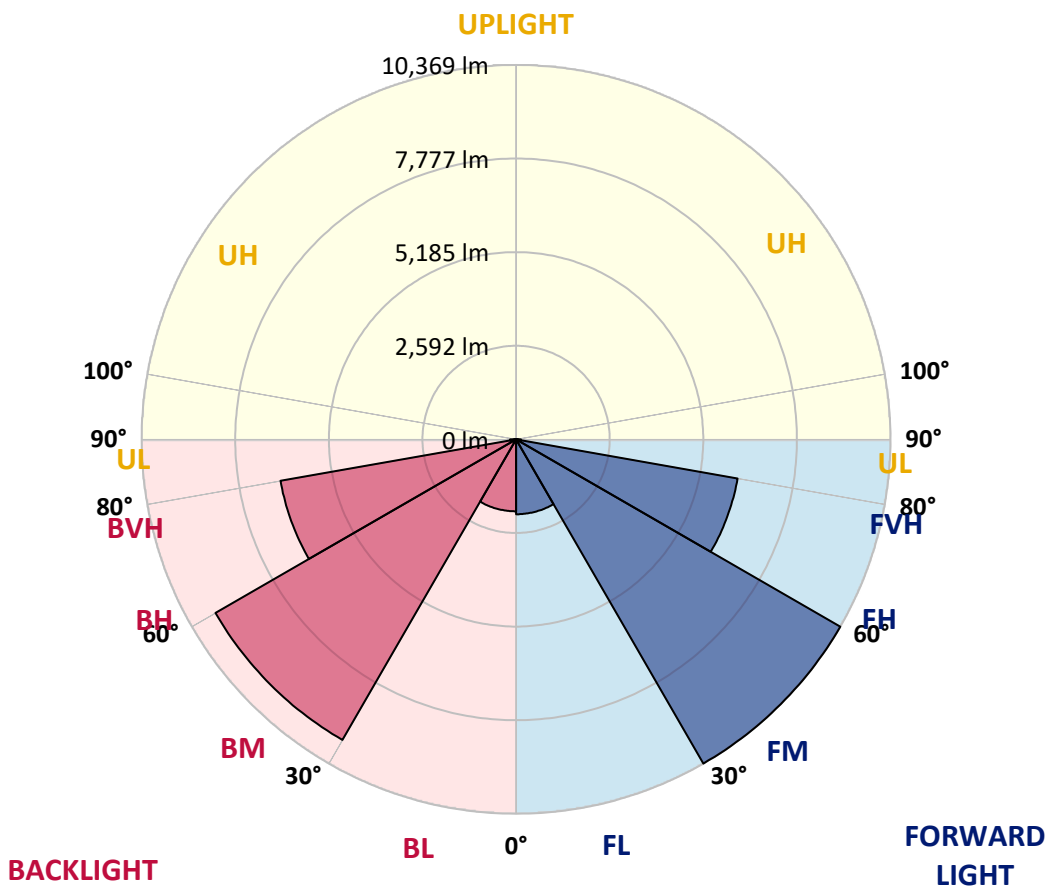
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2074.4	5.6			
FM (30°-60°)	10369.0	27.9			
FH (60°-80°)	6228.9	16.7			G3/7500
FVH (80°-90°)	134.9	0.4			G2/225
BL (0°-30°)	1993.7	5.4	B3/2500		
BM (30°-60°)	9613.7	25.8	B5		
BH (60°-80°)	6624.1	17.8	B5		G5
BVH (80°-90°)	165.2	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1
2.5°	3689.4	3694.6	3702.3	3717.9	3733.4	3756.7	3780.1	3777.5	3787.8	3795.6	3803.4
5°	3668.6	3673.8	3686.8	3707.5	3730.8	3769.7	3818.9	3839.6	3855.2	3883.7	3909.6
7.5°	3712.7	3723.1	3741.2	3769.7	3806.0	3855.2	3922.6	3958.8	3982.1	4034.0	4078.0
10°	3772.3	3785.2	3821.5	3875.9	3930.3	4005.5	4091.0	4145.4	4160.9	4228.3	4311.2
12.5°	3829.3	3844.8	3904.4	4002.9	4101.3	4202.4	4303.4	4370.8	4376.0	4466.6	4559.9
15°	3920.0	3932.9	4013.2	4140.2	4290.5	4430.4	4554.7	4601.4	4622.1	4686.9	4803.4
17.5°	4119.5	4135.0	4238.6	4376.0	4534.0	4681.7	4806.0	4844.9	4844.9	4899.3	4995.2
20°	4334.5	4350.0	4487.4	4663.5	4855.3	5005.5	5101.4	5065.1	5052.2	5067.7	5135.1
22.5°	4575.4	4603.9	4736.1	4940.8	5176.5	5360.5	5409.7	5300.9	5264.6	5228.3	5243.9
25°	4883.8	4917.4	5047.0	5264.6	5495.2	5689.5	5718.0	5549.6	5528.9	5401.9	5355.3
27.5°	5238.7	5264.6	5425.2	5640.3	5855.3	6018.6	6049.6	5842.4	5772.4	5596.2	5487.4
30°	5697.3	5720.6	5860.5	6073.0	6259.5	6373.5	6412.4	6127.4	6073.0	5803.5	5635.1
32.5°	6197.3	6207.7	6350.2	6554.9	6720.7	6829.5	6775.1	6443.5	6363.1	6060.0	5829.4
35°	6769.9	6769.9	6953.9	7119.7	7251.8	7282.9	7179.3	6801.0	6707.7	6378.7	6091.1
37.5°	7332.1	7347.7	7518.7	7715.6	7832.2	7827.0	7637.8	7223.3	7117.1	6759.5	6440.9
40°	7941.0	7974.6	8145.6	8365.9	8477.3	8461.7	8171.6	7710.4	7601.6	7179.3	6868.4
42.5°	8500.6	8555.0	8754.5	8979.9	9101.7	9091.3	8788.2	8270.0	8163.8	7687.1	7376.2
45°	8946.2	9003.2	9251.9	9565.4	9759.7	9741.6	9435.9	8850.4	8720.8	8220.8	7878.8
47.5°	9337.4	9397.0	9674.3	10005.9	10314.2	10345.3	10065.5	9435.9	9298.6	8793.4	8407.3
50°	9638.0	9666.5	9977.4	10340.1	10697.6	10871.2	10627.7	10024.0	9858.2	9358.2	8922.9
52.5°	9614.7	9653.5	10037.0	10529.2	11008.5	11293.5	11125.1	10578.5	10417.8	9873.7	9448.8
55°	9140.5	9179.4	9635.4	10353.1	11182.1	11601.8	11583.7	11107.0	10990.4	10399.7	9995.5
57.5°	8448.8	8534.3	8987.7	9762.3	10954.1	11848.0	11920.5	11588.9	11467.1	10915.3	10537.0
60°	7210.3	7324.3	7847.7	8852.9	10223.5	11765.1	12280.6	11995.7	11920.5	11394.6	11026.7
62.5°	5238.7	5321.6	6018.6	7337.3	9140.5	11174.4	12583.8	12415.4	12358.4	11824.7	11469.7
65°	3137.5	3326.7	3886.3	5189.5	7373.6	10060.3	12418.0	12964.6	12905.0	12267.7	11848.0
67.5°	1588.2	1673.7	1893.9	2813.7	4958.9	8324.4	11586.3	13306.6	13379.2	12646.0	11982.7
70°	984.5	1007.8	1070.0	1388.7	2476.9	5469.3	9474.8	12415.4	12770.3	12586.4	11632.9
72.5°	790.2	795.4	805.8	865.3	1189.2	2557.2	5990.1	9723.5	10363.4	11754.7	11132.9
75°	655.5	658.1	660.7	678.8	741.0	1044.1	2914.7	6681.8	7430.6	9990.3	10322.0
77.5°	525.9	513.0	523.4	531.1	546.7	582.9	1005.3	3565.0	4324.1	6557.5	7982.4
80°	342.0	336.8	357.5	365.3	380.9	404.2	536.3	1209.9	1469.0	2386.2	2539.0
82.5°	184.0	173.6	217.6	209.9	217.6	235.8	316.1	443.0	497.4	720.3	608.9
85°	57.0	57.0	59.6	70.0	85.5	82.9	137.3	217.6	240.9	308.3	228.0
87.5°	10.4	10.4	10.4	10.4	10.4	13.0	28.5	44.0	59.6	106.2	80.3
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°	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1	3767.1
2.5°	3818.9	3795.6	3808.6	3816.3	3813.7	3808.6	3782.6	3777.5	3764.5	3743.8	3738.6
5°	3932.9	3907.0	3909.6	3901.8	3875.9	3842.2	3785.2	3756.7	3733.4	3707.5	3704.9
7.5°	4111.7	4083.2	4075.4	4039.1	3966.6	3888.9	3798.2	3746.4	3707.5	3673.8	3668.6
10°	4339.7	4311.2	4285.3	4199.8	4080.6	3977.0	3857.8	3782.6	3725.6	3684.2	3676.4
12.5°	4593.6	4570.3	4505.5	4381.1	4238.6	4116.9	3995.1	3901.8	3818.9	3756.7	3749.0
15°	4876.0	4824.2	4725.7	4565.1	4430.4	4331.9	4184.2	4057.3	3925.1	3842.2	3824.1
17.5°	5072.9	5028.8	4912.3	4756.8	4650.6	4565.1	4391.5	4210.1	4031.4	3909.6	3883.7
20°	5212.8	5166.2	5034.0	4920.0	4886.4	4813.8	4611.7	4401.9	4194.6	4044.3	4010.6
22.5°	5313.8	5264.6	5129.9	5072.9	5119.5	5106.6	4909.7	4671.3	4425.2	4246.4	4205.0
25°	5409.7	5363.1	5243.9	5264.6	5389.0	5427.8	5215.4	4938.2	4658.4	4448.5	4399.3
27.5°	5500.4	5440.8	5386.4	5500.4	5676.6	5749.1	5523.7	5210.2	4907.1	4692.0	4653.2
30°	5640.3	5570.3	5562.6	5728.4	6008.2	6070.4	5821.6	5508.2	5207.6	4990.0	4940.8
32.5°	5816.5	5751.7	5756.9	6005.6	6329.5	6381.3	6168.8	5876.1	5575.5	5357.9	5290.5
35°	6054.8	5974.5	6018.6	6324.3	6650.7	6746.6	6575.6	6332.0	6039.3	5816.5	5741.3
37.5°	6383.9	6267.3	6358.0	6679.2	7008.3	7150.8	7018.6	6837.3	6547.1	6321.7	6251.7
40°	6803.6	6707.7	6744.0	7098.9	7438.3	7609.3	7526.4	7347.7	7060.1	6824.3	6744.0
42.5°	7301.0	7205.2	7192.2	7570.5	7909.9	8169.0	8088.6	7925.4	7627.5	7358.0	7280.3
45°	7788.1	7700.0	7718.2	8104.2	8485.0	8767.5	8687.1	8495.4	8171.6	7860.7	7798.5
47.5°	8295.9	8223.4	8238.9	8648.3	9068.0	9350.4	9249.4	9016.2	8637.9	8306.3	8231.1
50°	8816.7	8733.8	8757.1	9187.2	9640.6	9907.4	9752.0	9407.4	8990.3	8666.4	8601.6
52.5°	9334.8	9236.4	9296.0	9702.7	10171.7	10384.1	10096.6	9679.4	9275.3	8954.0	8881.4
55°	9930.7	9827.1	9762.3	10197.6	10661.4	10749.5	10355.6	9868.6	9389.3	9023.9	8979.9
57.5°	10474.8	10386.7	10265.0	10700.2	11042.2	10977.4	10555.1	9816.7	9112.0	8643.1	8580.9
60°	10961.9	10886.8	10780.5	11151.0	11306.5	11161.4	10394.5	9202.7	8428.0	7938.4	7909.9
62.5°	11410.1	11329.8	11231.4	11547.4	11526.7	11189.9	9663.9	8259.6	7223.3	6697.4	6650.7
65°	11765.1	11692.5	11664.0	11912.7	11879.1	10632.9	8526.5	6715.5	5277.6	4684.3	4666.1
67.5°	11866.1	11837.6	11990.5	12412.8	11886.8	9513.6	6687.0	4453.7	2834.4	2272.2	2238.5
70°	11487.8	11485.3	11923.1	12526.8	10809.0	7267.3	3945.9	2007.9	1425.0	1264.3	1243.6
72.5°	10995.6	10987.8	11335.0	10806.5	8016.1	3977.0	1660.7	1075.2	891.3	847.2	847.2
75°	10187.2	10166.5	10428.2	8220.8	4508.1	1497.5	880.9	738.4	699.5	691.8	691.8
77.5°	8303.7	8130.1	7718.2	5080.7	1572.6	735.8	582.9	580.4	557.0	554.4	554.4
80°	2730.8	2730.8	3173.8	1938.0	694.3	453.4	411.9	432.7	409.4	393.8	391.2
82.5°	445.6	614.0	873.1	554.4	375.7	282.4	253.9	269.4	282.4	225.4	225.4
85°	176.2	230.6	336.8	259.1	173.6	114.0	121.8	134.7	119.2	103.6	101.0
87.5°	67.4	82.9	119.2	62.2	36.3	20.7	13.0	13.0	10.4	10.4	10.4
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)