

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: P642502

Luminaire Tested: GWS-SA6D-722-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642502  
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-SA6D-722-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

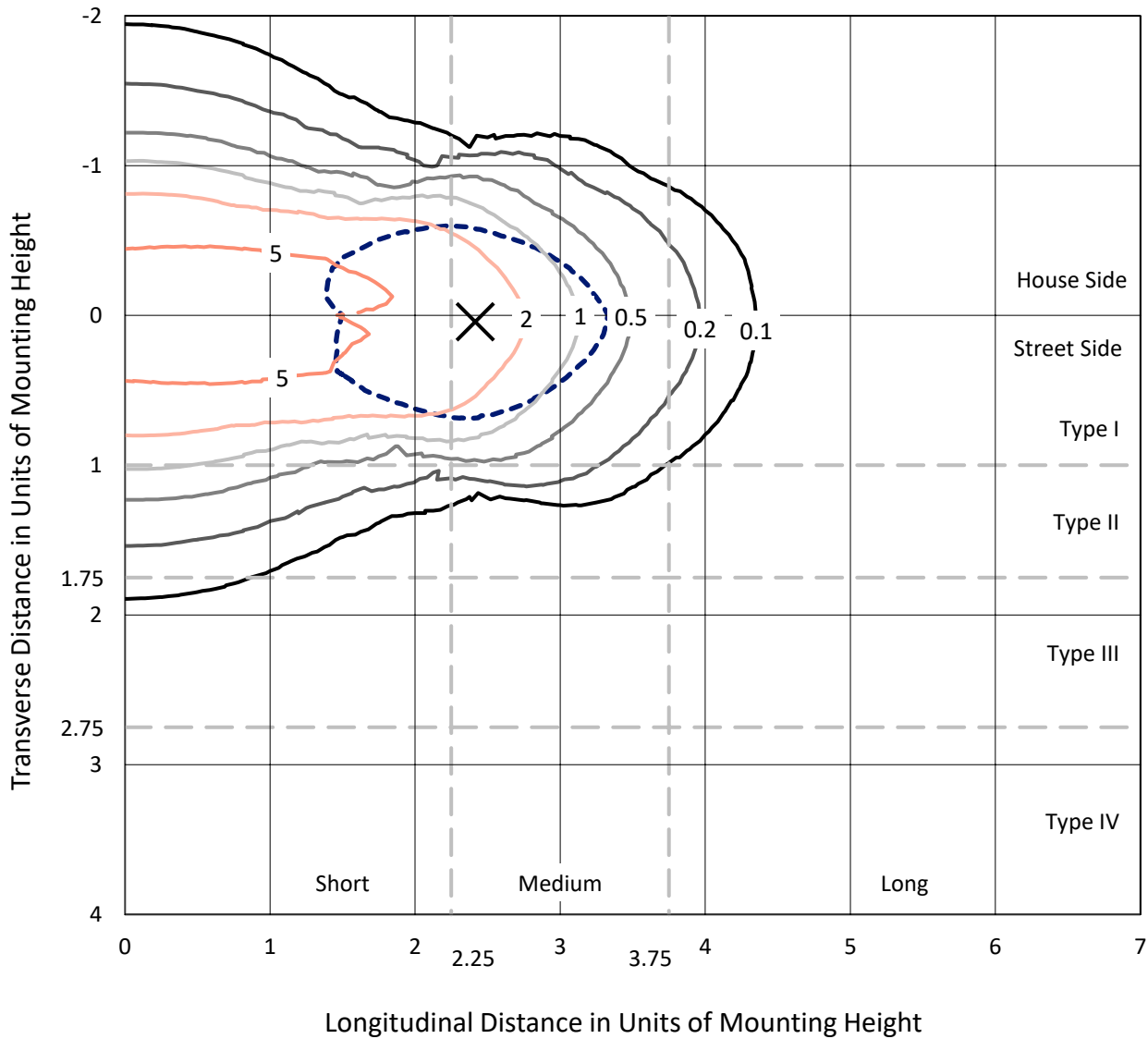
Lumens per Lamp: N/A  
Luminaire Lumens: 26337.8 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

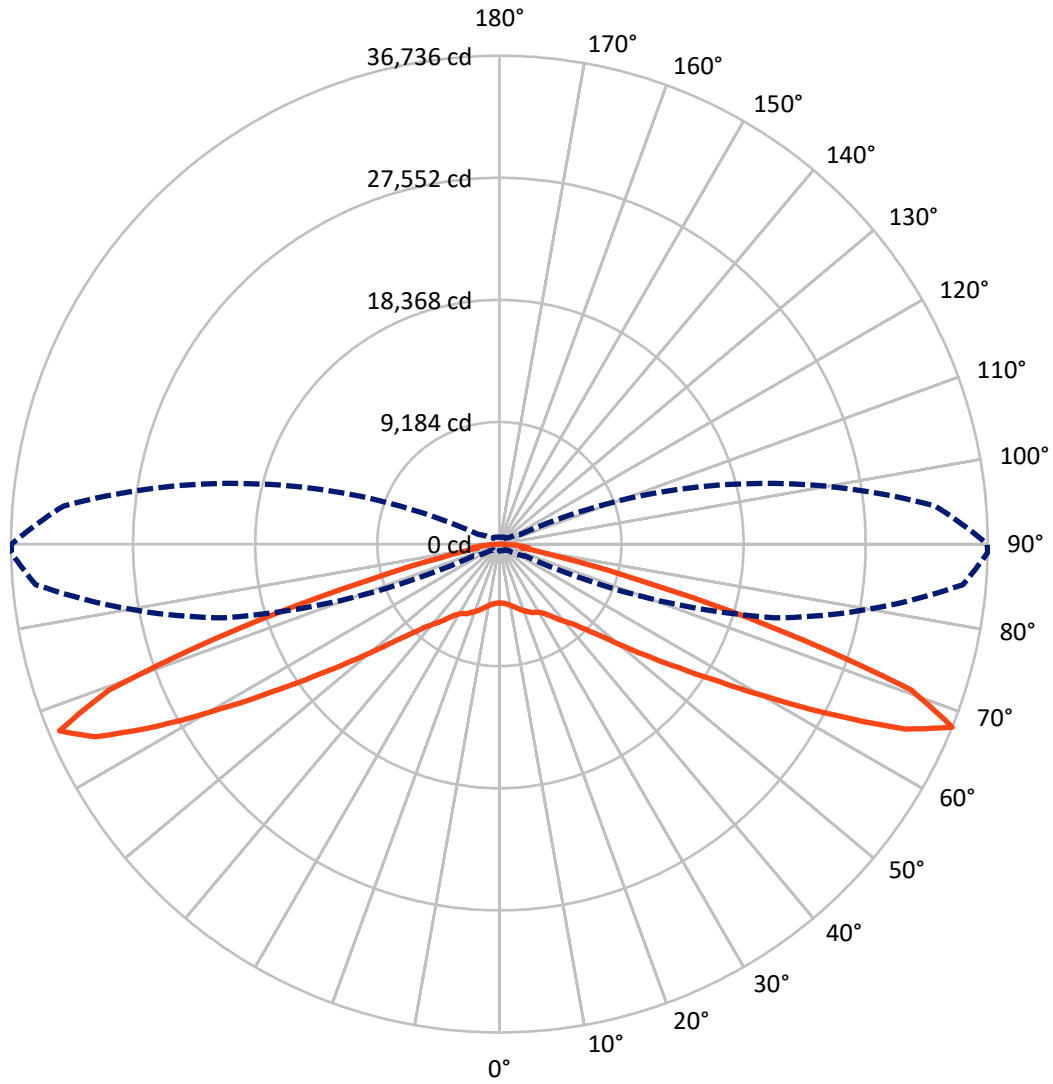
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type I - Medium - N/A

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CATALOG NUMBER: GWS-SA6D-722-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-SA6D-722-U-T1-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13053.5	0.0	13053.5
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	13284.3	0.0	13284.3
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	26337.8	0.0	26337.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.4	1.7
10°-20°	1443.8	5.5
20°-30°	2440.7	9.3
30°-40°	3349.6	12.7
40°-50°	4271.5	16.2
50°-60°	5359.2	20.3
60°-70°	6463.7	24.5
70°-80°	2338.4	8.9
80°-90°	227.4	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°	26337.8	100.0
0°-180°	26337.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642502

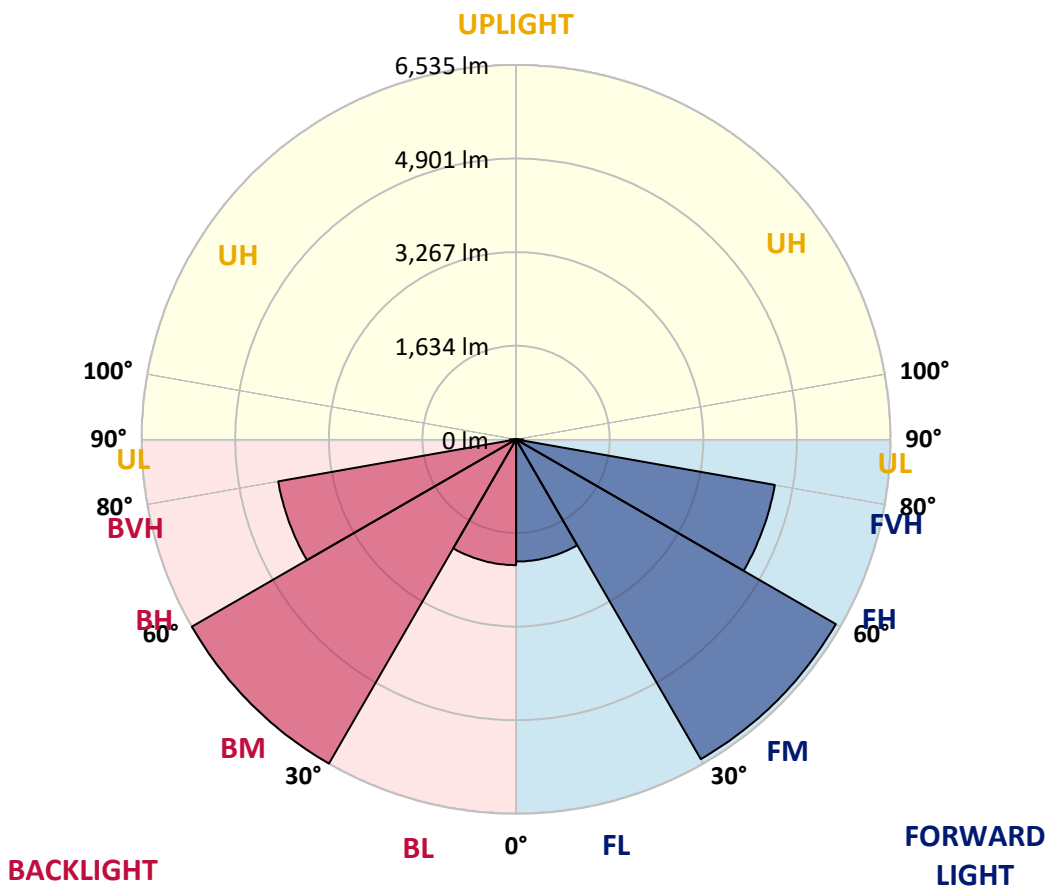
CATALOG NUMBER: GWS-SA6D-722-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2133.2	8.1			
FM (30°-60°)	6445.4	24.5			
FH (60°-80°)	4585.8	17.4			G2/5000
FVH (80°-90°)	120.0	0.5			G2/225
BL (0°-30°)	2194.8	8.3	B3/2500		
BM (30°-60°)	6535.0	24.8	B4/8500		
BH (60°-80°)	4216.3	16.0	B4/5000		G4/5000
BVH (80°-90°)	107.4	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-SA6D-722-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6
2.5°	4433.8	4430.0	4420.6	4449.0	4443.3	4445.2	4456.5	4449.0	4435.7	4413.0	4445.2
5°	4558.7	4556.8	4536.0	4553.0	4534.1	4520.8	4518.9	4500.0	4484.9	4460.3	4494.4
7.5°	4679.7	4677.8	4660.8	4691.1	4675.9	4660.8	4643.8	4606.0	4570.0	4534.1	4571.9
10°	4772.4	4770.5	4766.7	4810.2	4814.0	4819.7	4812.1	4747.8	4685.4	4641.9	4679.7
12.5°	4825.4	4831.1	4840.5	4920.0	4959.7	4997.5	5007.0	4954.0	4850.0	4787.6	4832.9
15°	4789.4	4800.8	4848.1	4991.8	5101.6	5186.7	5222.6	5179.1	5044.8	4940.8	4991.8
17.5°	4617.3	4626.8	4719.5	4938.9	5181.0	5377.7	5436.4	5409.9	5260.4	5133.7	5182.9
20°	4379.0	4399.8	4500.0	4806.5	5167.8	5510.1	5667.1	5657.7	5495.0	5300.2	5358.8
22.5°	4163.3	4187.9	4293.9	4632.4	5078.9	5544.2	5899.8	5924.4	5708.7	5466.6	5513.9
25°	3921.2	3943.9	4080.1	4426.3	4925.6	5517.7	6098.4	6210.0	5950.9	5657.7	5701.2
27.5°	3673.4	3690.4	3824.7	4193.6	4725.1	5468.5	6255.4	6524.0	6189.2	5790.1	5820.3
30°	3455.9	3478.6	3601.5	3960.9	4505.7	5370.2	6384.0	6858.8	6463.5	5939.5	5964.1
32.5°	3245.9	3264.8	3399.1	3732.1	4273.0	5218.8	6499.4	7252.3	6870.2	6217.6	6217.6
35°	2981.1	3015.2	3166.5	3512.6	4053.6	5018.3	6582.6	7710.0	7426.3	6628.0	6629.9
37.5°	2737.1	2756.0	2914.9	3264.8	3822.9	4791.3	6590.2	8184.8	8129.9	7150.1	7153.9
40°	2459.0	2483.6	2653.9	3000.0	3558.0	4553.0	6518.3	8627.4	8867.7	7687.3	7666.5
42.5°	2177.2	2213.1	2375.8	2714.4	3272.4	4261.7	6327.3	9049.2	9804.0	8309.6	8258.6
45°	1904.8	1927.5	2090.2	2409.9	2945.2	3913.6	6020.9	9454.0	10916.2	9255.4	9181.7
47.5°	1598.4	1607.8	1776.2	2082.6	2606.6	3525.9	5582.0	9815.3	12138.2	10507.6	10380.9
50°	1326.0	1339.2	1471.6	1734.6	2192.3	3066.2	5035.3	10027.2	13694.9	12215.7	11996.3
52.5°	1072.5	1085.8	1191.7	1401.6	1812.1	2542.3	4358.2	9978.0	15274.4	14336.2	14016.5
55°	866.3	875.8	947.7	1112.2	1426.2	2022.1	3558.0	9537.3	17027.9	17105.4	16416.9
57.5°	732.0	735.8	785.0	885.3	1114.1	1558.6	2746.6	8496.9	18866.5	20638.9	19507.7
60°	654.5	656.4	679.1	741.5	879.6	1189.8	2012.6	6839.9	20771.3	25059.5	23508.4
62.5°	605.3	605.3	624.2	660.2	730.1	915.5	1479.2	4912.4	22138.9	29869.7	28328.1
65°	558.0	558.0	571.3	601.5	639.3	747.2	1110.3	3168.4	22810.4	33891.2	33548.8
67.5°	497.5	499.4	508.8	541.0	575.0	624.2	841.7	2143.1	21416.3	35003.4	36736.1
70°	440.7	442.6	455.9	476.7	505.0	539.1	658.3	1477.3	15588.4	29152.8	32847.0
72.5°	378.3	385.9	395.3	418.0	435.1	459.7	537.2	957.1	9070.1	18753.0	21713.3
75°	310.2	319.7	331.0	353.7	365.1	374.5	442.6	682.9	4363.8	9503.2	10821.6
77.5°	240.2	249.7	262.9	283.7	291.3	302.7	338.6	493.7	2090.2	4212.5	4541.6
80°	160.8	164.6	175.9	200.5	213.7	221.3	249.7	336.7	908.0	1691.1	1675.9
82.5°	98.4	100.3	104.0	119.2	124.8	132.4	162.7	206.2	433.2	1921.8	2203.7
85°	35.9	34.0	32.2	41.6	49.2	56.7	75.7	104.0	189.2	1320.3	1477.3
87.5°	0.0	0.0	0.0	1.9	3.8	3.8	7.6	15.1	45.4	493.7	338.6
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°	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6
2.5°	4435.7	4414.9	4441.4	4460.3	4501.9	4517.1	4520.8	4507.6	4507.6	4484.9	4488.7
5°	4486.8	4473.6	4517.1	4549.2	4609.7	4632.4	4647.6	4638.1	4643.8	4628.7	4632.4
7.5°	4564.3	4553.0	4628.7	4691.1	4753.5	4780.0	4793.2	4785.7	4787.6	4768.6	4774.3
10°	4672.2	4675.9	4766.7	4848.1	4931.3	4957.8	4963.5	4940.8	4921.9	4887.8	4889.7
12.5°	4819.7	4838.6	4967.2	5058.0	5143.2	5181.0	5139.4	5056.2	4978.6	4920.0	4912.4
15°	4980.5	5014.5	5199.9	5315.3	5408.0	5389.1	5266.1	5078.9	4925.6	4838.6	4821.6
17.5°	5173.4	5224.5	5457.2	5595.2	5674.7	5553.6	5296.4	5016.4	4802.7	4685.4	4662.7
20°	5355.0	5436.4	5729.6	5909.2	5918.7	5646.3	5283.1	4889.7	4621.1	4477.3	4447.1
22.5°	5521.5	5625.5	6015.2	6244.1	6121.1	5687.9	5201.8	4710.0	4401.7	4233.3	4206.8
25°	5703.1	5850.6	6348.1	6561.8	6323.5	5670.9	5031.6	4486.8	4136.9	3964.7	3945.8
27.5°	5827.9	6013.3	6682.9	6887.2	6490.0	5574.4	4812.1	4242.8	3894.7	3732.1	3705.6
30°	5971.7	6208.1	7051.8	7240.9	6592.1	5432.6	4577.6	4015.8	3669.6	3493.7	3474.8
32.5°	6232.7	6529.7	7509.5	7615.4	6624.3	5256.7	4352.5	3796.4	3435.1	3259.2	3232.7
35°	6652.6	7000.7	8152.6	8033.5	6599.7	5063.7	4138.7	3539.1	3194.9	3030.3	3003.8
37.5°	7182.3	7615.4	8869.5	8409.9	6531.6	4851.9	3885.3	3323.5	2979.2	2812.8	2797.6
40°	7676.0	8209.4	9673.5	8735.2	6393.5	4590.8	3641.3	3098.4	2746.6	2570.6	2536.6
42.5°	8294.5	9003.8	10604.1	9017.1	6166.5	4278.7	3367.0	2820.3	2455.3	2296.4	2254.7
45°	9234.6	10116.1	11686.1	9287.6	5827.9	3894.7	3022.7	2481.7	2135.6	1972.9	1940.7
47.5°	10407.4	11506.4	12858.9	9448.4	5313.4	3489.9	2633.1	2124.2	1778.1	1594.6	1579.5
50°	12054.9	13528.5	14116.8	9420.0	4738.4	3009.5	2194.2	1698.6	1409.2	1276.8	1256.0
52.5°	14061.9	16067.0	15476.8	9079.5	4127.4	2462.8	1710.0	1333.6	1117.9	1023.3	1006.3
55°	16579.6	19106.7	16908.7	8349.4	3355.6	1885.9	1343.0	1051.7	904.2	847.4	839.9
57.5°	19696.9	23043.0	18287.7	7119.9	2523.3	1439.5	1034.7	868.2	798.2	764.2	762.3
60°	23811.0	27221.5	19485.0	5532.8	1806.4	1100.9	855.0	775.5	720.7	698.0	696.1
62.5°	28702.6	31016.0	20230.3	3768.0	1358.1	877.7	752.8	703.7	671.5	658.3	656.4
65°	33730.4	33414.5	19874.7	2468.5	1030.9	745.3	675.3	648.8	620.4	607.2	607.2
67.5°	36700.1	32907.6	17145.1	1713.8	817.2	654.5	609.1	584.5	537.2	525.9	525.9
70°	32506.5	26665.4	11237.8	1254.1	662.0	573.1	529.6	495.6	476.7	465.3	463.4
72.5°	21499.5	17351.3	5975.5	870.1	552.3	488.0	448.3	435.1	412.4	401.0	399.1
75°	10700.6	9113.6	3062.4	628.0	459.7	391.6	374.5	368.9	349.9	334.8	331.0
77.5°	4460.3	4057.4	1428.1	455.9	349.9	315.9	300.8	300.8	280.0	262.9	255.4
80°	1681.6	1498.1	675.3	312.1	259.1	234.6	225.1	217.5	200.5	179.7	168.3
82.5°	2249.1	1469.7	331.0	194.8	170.2	151.3	138.1	132.4	123.0	113.5	105.9
85°	1456.5	1044.1	149.4	100.3	85.1	64.3	56.7	53.0	47.3	41.6	37.8
87.5°	297.0	349.9	45.4	18.9	11.3	5.7	5.7	1.9	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)