

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: P635887

Luminaire Tested: GWS-SA3E-760-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635887  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-760-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

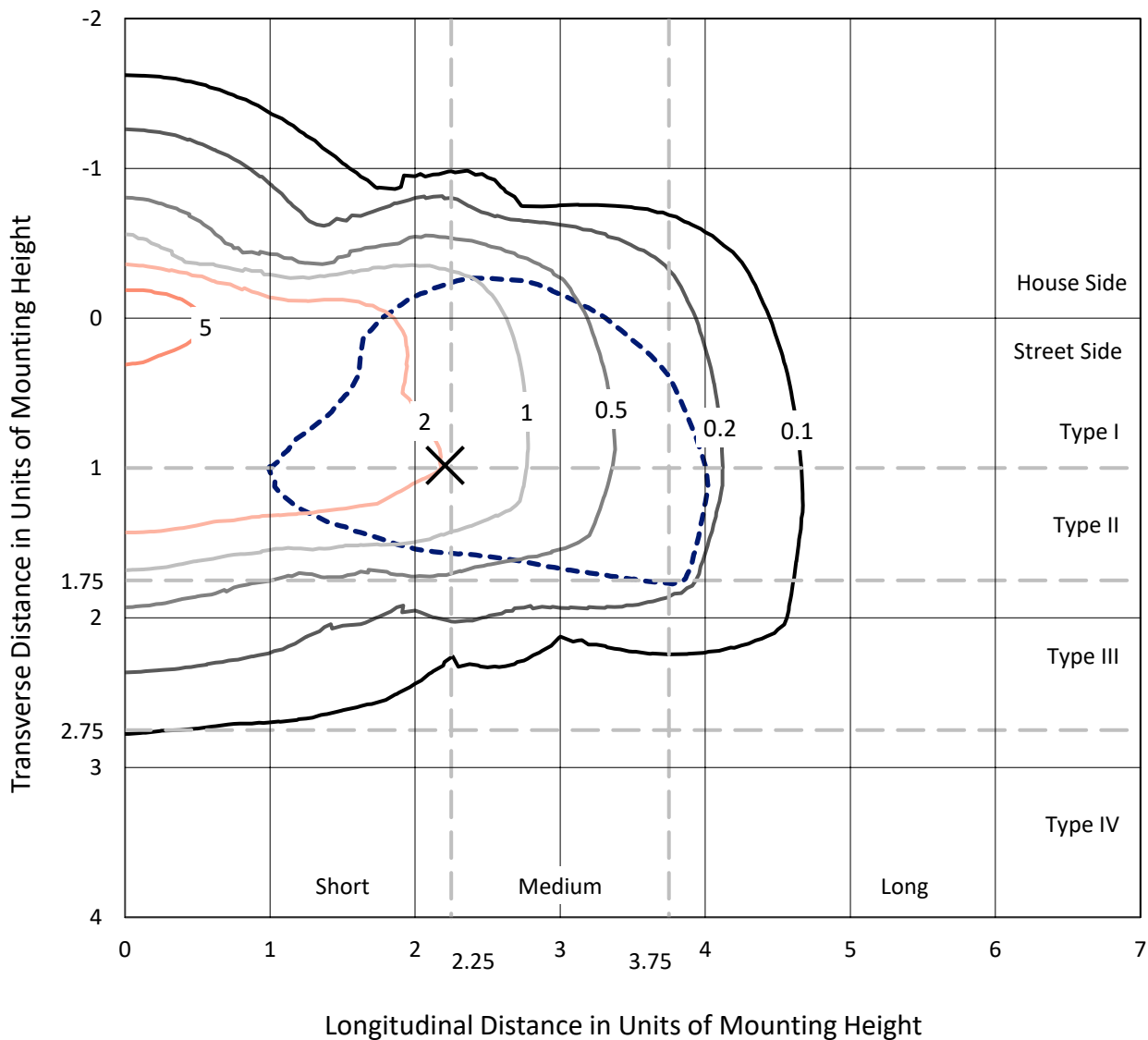
Lumens per Lamp: N/A  
Luminaire Lumens: 21803.1 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

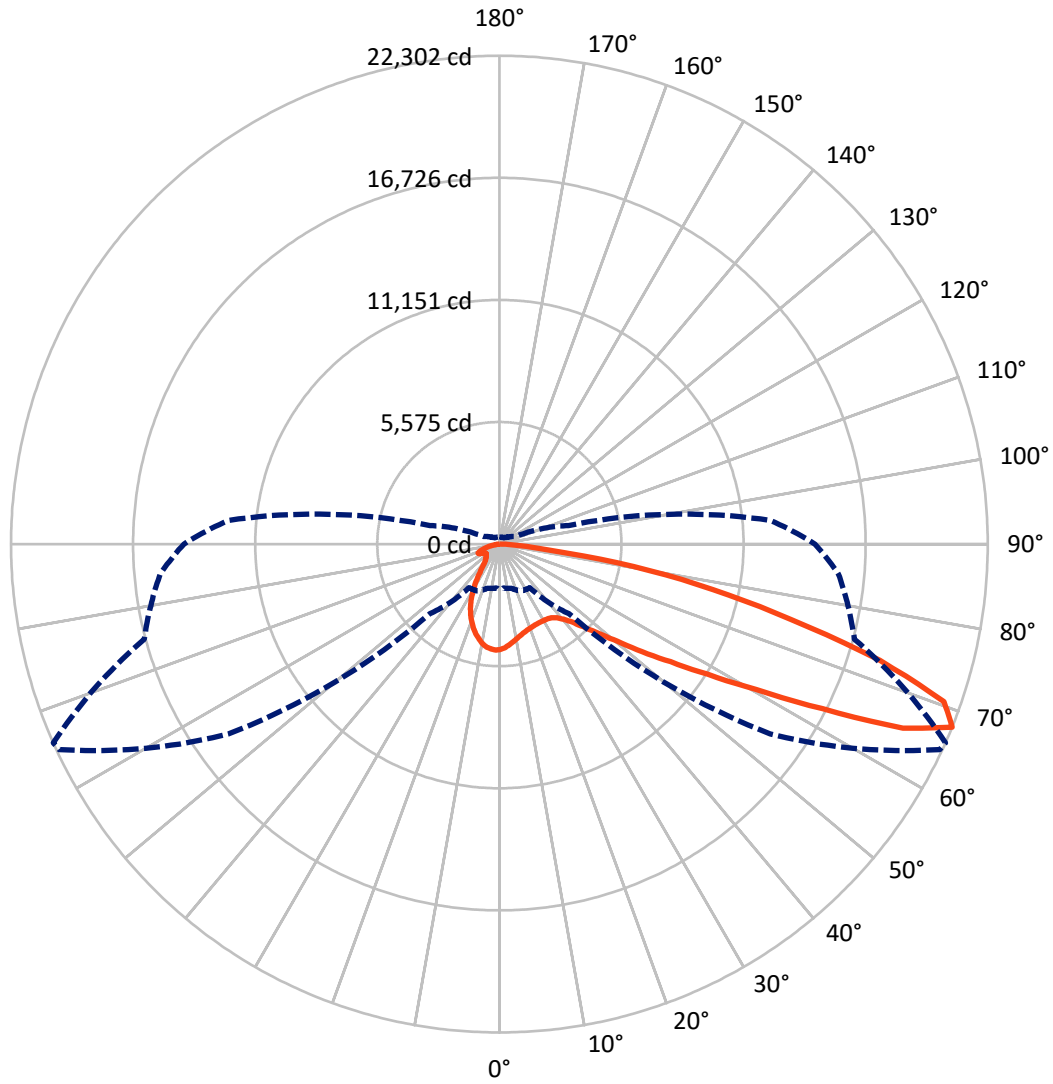
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4424.4	0.0	4424.4
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	17378.7	0.0	17378.7
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	21803.1	0.0	21803.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.8	1.9
10°-20°	1039.2	4.8
20°-30°	1428.3	6.6
30°-40°	1952.8	9.0
40°-50°	2959.0	13.6
50°-60°	4599.8	21.1
60°-70°	5600.2	25.7
70°-80°	3411.4	15.6
80°-90°	389.7	1.8
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°	21803.1	100.0
0°-180°	21803.1	100.0

**Coefficient of Utilization**



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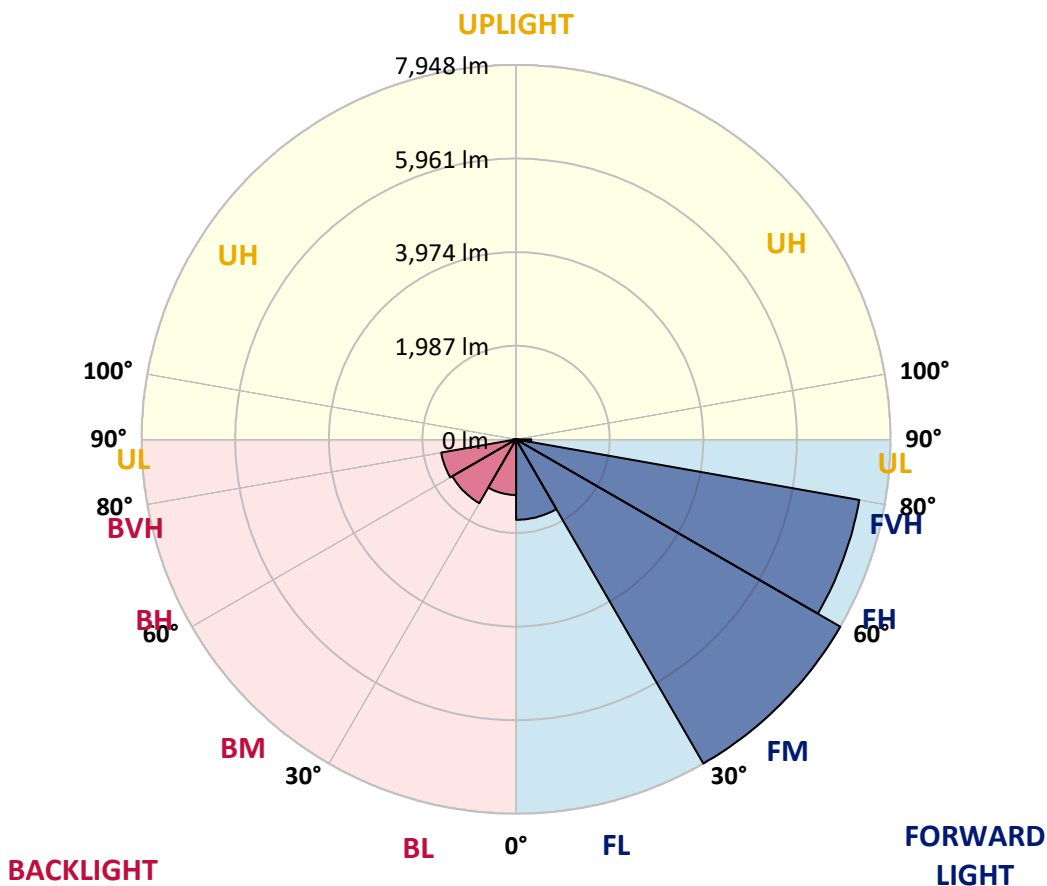
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1708.4	7.8			
FM (30°-60°)	7948.1	36.5			
FH (60°-80°)	7398.3	33.9			G3/7500
FVH (80°-90°)	324.0	1.5			G3/500
BL (0°-30°)	1182.0	5.4	B3/2500		
BM (30°-60°)	1563.5	7.2	B2/2500		
BH (60°-80°)	1613.2	7.4	B3/2500		G3/2500
BVH (80°-90°)	65.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9
2.5°	4512.5	4528.4	4518.8	4579.3	4582.5	4658.8	4701.8	4738.3	4741.5	4789.2	4821.0
5°	4203.9	4213.4	4213.4	4270.7	4308.9	4410.7	4509.3	4614.3	4622.2	4736.7	4824.2
7.5°	3954.2	3963.7	3957.4	4033.7	4083.0	4195.9	4321.6	4482.3	4498.2	4682.7	4835.4
10°	3758.5	3755.4	3771.3	3841.3	3904.9	4040.1	4180.0	4363.0	4386.8	4620.6	4848.1
12.5°	3624.9	3628.1	3637.7	3710.8	3779.2	3912.8	4057.6	4256.4	4281.8	4549.1	4841.7
15°	3561.3	3554.9	3562.9	3629.7	3694.9	3812.6	3962.1	4167.3	4192.8	4485.4	4843.3
17.5°	3547.0	3542.2	3540.6	3588.3	3637.7	3747.4	3890.6	4098.9	4126.0	4444.1	4852.9
20°	3591.5	3585.2	3567.7	3588.3	3609.0	3701.3	3839.7	4049.6	4079.8	4417.0	4871.9
22.5°	3714.0	3702.9	3675.8	3650.4	3623.3	3679.0	3807.8	4013.0	4043.3	4399.5	4891.0
25°	3900.1	3890.6	3861.9	3804.7	3706.1	3696.5	3801.5	3997.1	4027.3	4386.8	4899.0
27.5°	4156.2	4141.9	4113.2	4030.5	3869.9	3761.7	3825.3	3995.5	4024.2	4372.5	4891.0
30°	4460.0	4450.4	4434.5	4334.3	4119.6	3900.1	3879.4	4008.3	4030.5	4364.6	4875.1
32.5°	4768.6	4759.0	4771.7	4724.0	4460.0	4129.1	3997.1	4043.3	4059.2	4363.0	4860.8
35°	5040.5	5051.7	5143.9	5151.9	4892.6	4439.3	4183.2	4124.4	4127.6	4394.8	4867.2
37.5°	5325.3	5368.2	5489.1	5592.5	5376.2	4849.7	4460.0	4277.1	4273.9	4475.9	4906.9
40°	5702.2	5721.3	5875.6	6069.7	5934.5	5412.7	4852.9	4526.8	4504.5	4641.3	5013.5
42.5°	6069.7	6115.8	6362.3	6585.0	6540.5	6047.4	5347.5	4900.6	4860.8	4934.0	5233.0
45°	6537.3	6581.8	6858.6	7144.9	7226.0	6764.7	5980.6	5431.8	5392.1	5374.6	5635.4
47.5°	7004.9	7051.0	7299.2	7712.7	7997.4	7661.8	6804.5	6133.3	6068.1	5999.7	6243.0
50°	7319.8	7373.9	7610.9	8107.2	8775.2	8781.6	7781.1	7052.6	6969.9	6861.8	7098.8
52.5°	7308.7	7343.7	7569.6	8142.2	9335.1	10068.4	9088.6	8223.3	8156.5	7921.1	8127.9
55°	6734.5	6787.0	7014.5	7730.2	9395.6	11288.3	11010.0	9603.9	9484.6	9063.1	9290.6
57.5°	5581.3	5625.9	5854.9	6737.7	8859.5	11913.4	13449.9	11363.1	11199.3	10307.0	10569.4
60°	4213.4	4159.4	4267.5	5040.5	7577.5	11929.3	15603.6	13749.0	13475.4	11636.7	11856.2
62.5°	3162.1	3108.0	3131.9	3349.8	5137.6	10965.5	16831.5	17012.8	16561.1	13138.2	13095.2
65°	2498.8	2468.6	2537.0	2686.5	2995.1	8350.5	16841.1	20542.3	20257.6	14878.3	14366.1
67.5°	2035.9	2016.9	2086.8	2363.6	2428.8	4487.0	15101.0	22190.2	22301.5	16783.8	15544.7
70°	1639.9	1611.3	1721.0	2085.3	2258.6	2715.1	10817.5	21350.4	21530.1	17919.5	15212.3
72.5°	1132.5	1134.1	1189.8	1689.2	2180.7	2344.5	6119.0	17777.9	18167.6	16890.4	13373.6
75°	763.5	769.8	785.7	1115.0	2008.9	2274.5	3260.7	13459.5	13734.7	13960.5	11054.5
77.5°	461.3	464.4	501.0	674.4	1385.4	2123.4	2209.3	9756.6	9972.9	9203.1	6852.2
80°	267.2	278.4	311.8	451.7	935.3	1595.4	1709.9	5982.2	6227.1	4091.0	2177.5
82.5°	117.7	125.7	170.2	262.4	545.6	1356.8	1334.5	2363.6	2328.6	1140.4	755.5
85°	20.7	25.4	36.6	82.7	200.4	715.8	1035.5	1043.4	981.4	432.6	313.3
87.5°	0.0	0.0	0.0	0.0	0.0	4.8	155.9	279.9	278.4	122.5	108.2
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°	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9	4817.9
2.5°	4841.7	4798.8	4837.0	4841.7	4833.8	4827.4	4779.7	4738.3	4733.6	4689.0	4689.0
5°	4859.2	4819.5	4838.5	4802.0	4744.7	4685.8	4584.1	4514.1	4482.3	4425.0	4425.0
7.5°	4883.1	4841.7	4819.5	4728.8	4595.2	4466.3	4302.5	4165.7	4110.1	4028.9	4025.8
10°	4905.3	4852.9	4776.5	4600.0	4386.8	4181.6	3943.0	3749.0	3617.0	3520.0	3520.0
12.5°	4903.8	4835.4	4684.3	4423.4	4129.1	3831.7	3513.6	3220.9	3046.0	2894.9	2885.3
15°	4900.6	4806.7	4566.6	4218.2	3828.5	3416.6	2983.9	2602.2	2342.9	2195.0	2182.3
17.5°	4897.4	4770.1	4434.5	3984.4	3462.7	2901.2	2330.2	1916.6	1700.3	1609.7	1612.8
20°	4897.4	4728.8	4293.0	3715.6	3041.2	2284.1	1709.9	1409.3	1355.2	1359.9	1364.7
22.5°	4883.1	4677.9	4135.5	3422.9	2572.0	1679.7	1261.3	1159.5	1188.2	1232.7	1239.1
25°	4849.7	4593.6	3952.6	3098.4	2013.7	1223.2	1029.1	1010.0	1062.5	1118.2	1134.1
27.5°	4797.2	4496.6	3747.4	2718.3	1482.4	983.0	905.0	903.4	944.8	986.2	1000.5
30°	4741.5	4388.4	3531.1	2295.2	1073.6	855.7	825.5	825.5	846.2	871.6	868.5
32.5°	4676.3	4278.7	3298.9	1854.6	874.8	784.2	774.6	769.8	773.0	782.6	782.6
35°	4620.6	4181.6	3060.3	1388.6	784.2	744.4	734.8	723.7	718.9	712.6	715.8
37.5°	4600.0	4105.3	2813.7	1046.6	739.6	715.8	699.9	683.9	672.8	669.6	668.0
40°	4633.4	4073.5	2567.2	862.1	707.8	685.5	668.0	647.4	637.8	637.8	637.8
42.5°	4763.8	4097.3	2315.9	779.4	685.5	660.1	634.6	615.6	612.4	615.6	617.1
45°	5002.4	4189.6	2055.0	738.0	666.5	634.6	604.4	590.1	590.1	593.3	593.3
47.5°	5428.6	4431.4	1797.4	712.6	647.4	614.0	582.2	567.8	566.2	569.4	569.4
50°	6166.7	4867.2	1565.1	695.1	633.1	598.1	566.2	547.2	542.4	540.8	540.8
52.5°	7097.2	5622.7	1417.2	682.4	615.6	580.6	548.8	523.3	513.8	509.0	509.0
55°	8221.7	6629.5	1417.2	672.8	593.3	559.9	523.3	497.9	483.5	477.2	477.2
57.5°	9495.8	7801.8	1662.2	664.9	575.8	536.0	496.3	470.8	454.9	445.4	445.4
60°	10792.1	9040.9	2268.2	653.7	559.9	505.8	466.0	442.2	421.5	410.4	408.8
62.5°	12136.1	10405.6	3066.6	660.1	548.8	477.2	434.2	407.2	389.7	378.6	377.0
65°	13367.2	11705.1	3764.9	709.4	550.3	451.7	397.6	373.8	359.5	345.2	343.6
67.5°	14412.2	12422.4	3275.0	809.6	583.7	421.5	361.1	337.2	324.5	314.9	313.3
70°	13680.6	11328.1	1857.8	871.6	629.9	389.7	319.7	303.8	291.1	284.7	283.1
72.5°	11698.7	9591.2	1242.2	769.8	574.2	348.3	281.5	268.8	259.3	251.3	249.7
75°	9476.7	7606.2	949.6	631.5	447.0	283.1	241.8	232.2	222.7	214.7	213.1
77.5°	5606.8	4394.8	699.9	499.4	314.9	221.1	200.4	192.5	182.9	176.6	175.0
80°	1789.4	1527.0	443.8	343.6	208.4	170.2	154.3	147.9	138.4	130.4	128.8
82.5°	682.4	590.1	235.4	175.0	138.4	116.1	103.4	97.0	90.7	82.7	81.1
85°	302.2	283.1	130.4	93.8	74.8	57.3	50.9	47.7	39.8	33.4	31.8
87.5°	106.6	106.6	55.7	27.0	15.9	8.0	4.8	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)