

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: P642273

Luminaire Tested: GWS-SA6C-750-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642273  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-750-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

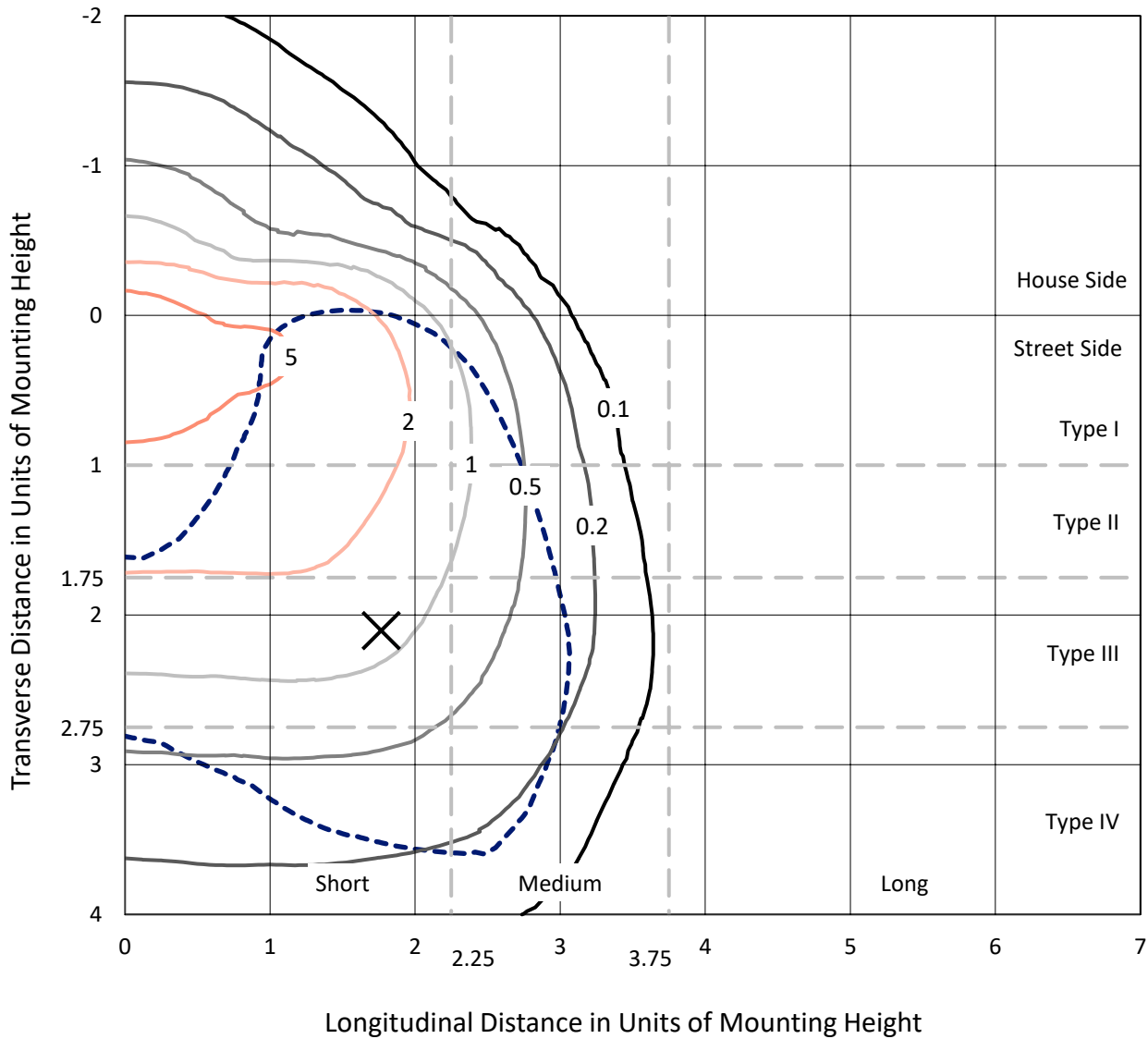
Lumens per Lamp: N/A  
Luminaire Lumens: 27895 lumens  
Efficiency: N/A  
Efficacy: 147.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P642273  
 CATALOG NUMBER: GWS-SA6C-750-U-SL4-W

### Iso-Footcandle Lines of Horizontal Illumination

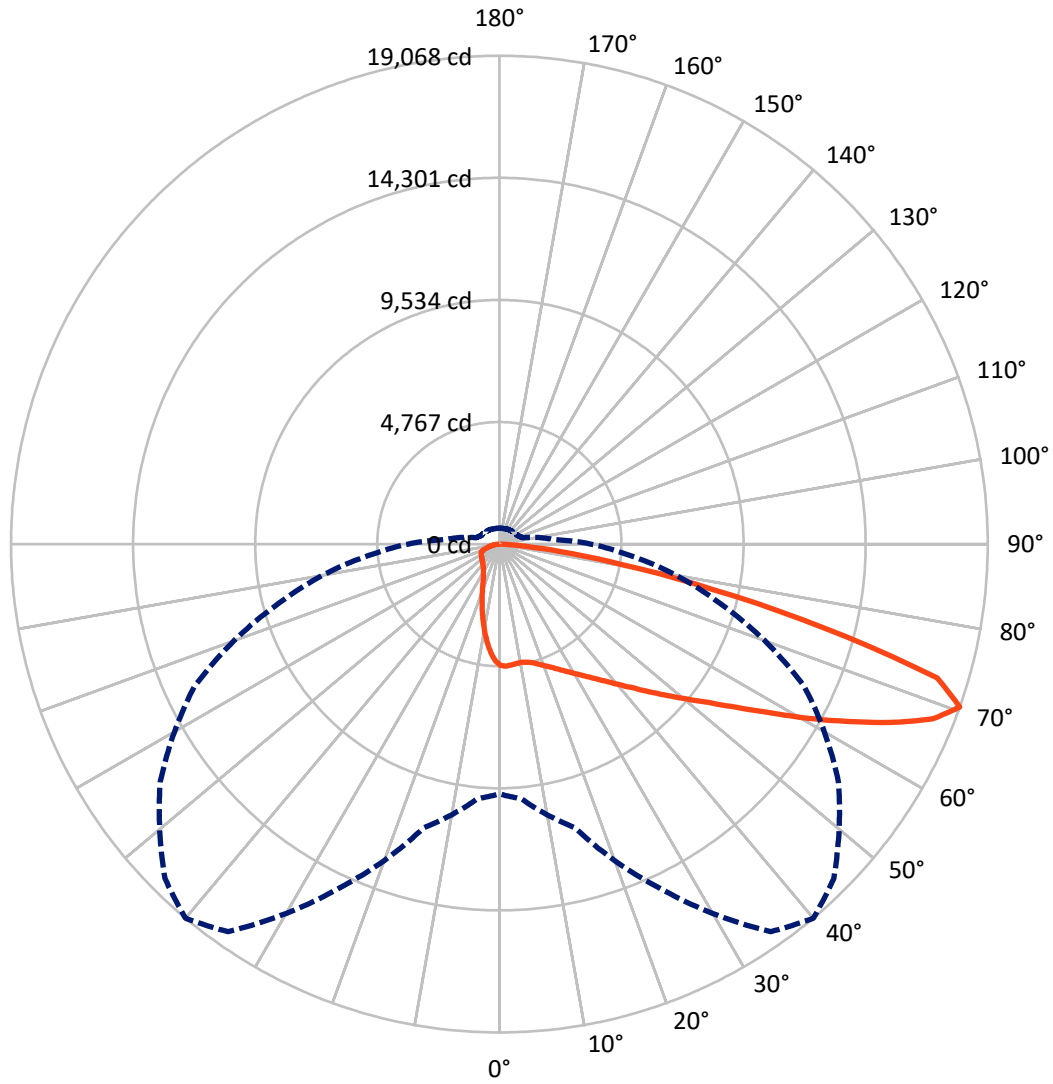
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P642273  
CATALOG NUMBER: GWS-SA6C-750-U-SL4-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P642273

CATALOG NUMBER: GWS-SA6C-750-U-SL4-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4296.5	0.0	4296.5
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	23598.5	0.0	23598.5
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	27895.0	0.0	27895.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	418.5	1.5
10°-20°	1090.8	3.9
20°-30°	1712.7	6.1
30°-40°	2575.1	9.2
40°-50°	3974.7	14.2
50°-60°	5902.8	21.2
60°-70°	7440.3	26.7
70°-80°	4302.7	15.4
80°-90°	477.5	1.7
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°	27895.0	100.0
0°-180°	27895.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642273

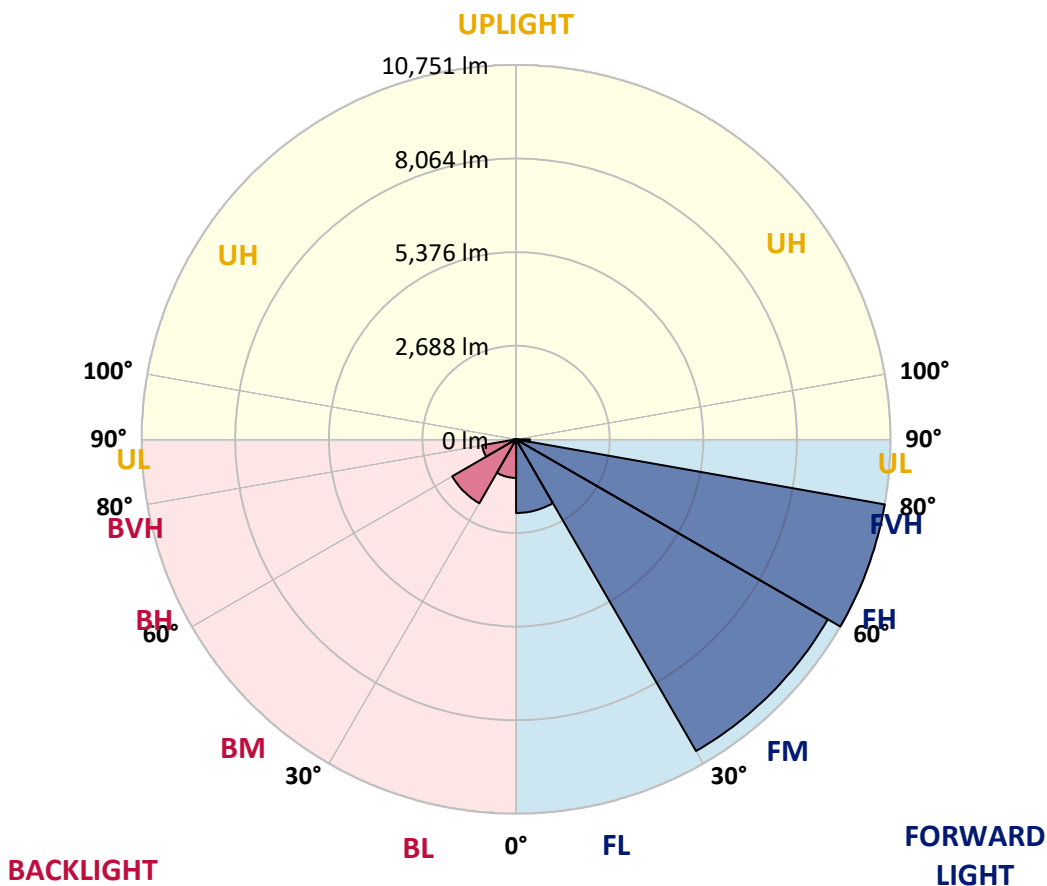
CATALOG NUMBER: GWS-SA6C-750-U-SL4-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2114.6	7.6			
FM (30°-60°)	10334.7	37.0			
FH (60°-80°)	10751.4	38.5			G4/12000
FVH (80°-90°)	397.7	1.4			G3/500
BL (0°-30°)	1107.3	4.0	B3/2500		
BM (30°-60°)	2117.8	7.6	B2/2500		
BH (60°-80°)	991.6	3.6	B2/1000		G2/1000
BVH (80°-90°)	79.8	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-G4**

Type IV Short





REPORT NUMBER: P642273  
 CATALOG NUMBER: GWS-SA6C-750-U-SL4-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9
2.5°	4766.0	4774.4	4780.6	4788.9	4784.8	4772.3	4782.7	4782.7	4759.8	4734.8	4711.9
5°	4772.3	4782.7	4780.6	4778.5	4761.9	4741.1	4741.1	4728.6	4689.0	4649.4	4612.0
7.5°	4759.8	4757.7	4755.6	4749.4	4730.6	4707.7	4703.6	4678.6	4626.5	4572.4	4518.3
10°	4703.6	4701.5	4707.7	4722.3	4718.2	4697.3	4697.3	4674.4	4614.0	4547.4	4476.6
12.5°	4657.8	4657.8	4682.8	4722.3	4736.9	4728.6	4730.6	4714.0	4645.3	4566.2	4482.9
15°	4664.0	4666.1	4720.2	4784.8	4811.8	4805.6	4807.7	4788.9	4711.9	4632.8	4520.3
17.5°	4705.7	4716.1	4809.8	4899.3	4934.7	4926.4	4911.8	4880.6	4793.1	4703.6	4566.2
20°	4793.1	4809.8	4930.5	5043.0	5084.6	5065.9	5040.9	4978.4	4882.6	4784.8	4616.1
22.5°	4965.9	4976.3	5109.6	5219.9	5253.3	5230.4	5180.4	5090.9	4980.5	4878.5	4676.5
25°	5209.5	5222.0	5349.0	5451.1	5442.7	5415.7	5347.0	5236.6	5105.4	4997.2	4764.0
27.5°	5499.0	5519.8	5644.7	5725.9	5671.8	5632.2	5555.2	5421.9	5274.1	5176.2	4897.2
30°	5815.4	5823.8	5930.0	6011.2	5927.9	5873.7	5780.0	5636.4	5503.1	5430.2	5097.1
32.5°	6121.5	6129.8	6221.5	6267.3	6179.8	6140.3	6059.1	5907.1	5813.4	5773.8	5394.9
35°	6444.3	6442.2	6517.1	6556.7	6467.2	6450.5	6367.2	6250.6	6234.0	6286.0	5830.0
37.5°	6767.0	6748.2	6787.8	6839.9	6789.9	6806.5	6752.4	6712.9	6777.4	6912.7	6408.9
40°	7025.2	7025.2	7066.8	7131.4	7148.0	7220.9	7189.7	7241.7	7449.9	7772.7	7125.1
42.5°	7254.2	7256.3	7343.7	7443.7	7564.5	7676.9	7701.9	7837.2	8268.2	8774.2	8024.6
45°	7493.7	7495.7	7614.4	7760.2	8016.3	8230.7	8280.7	8584.7	9201.0	9817.3	9001.1
47.5°	7770.6	7747.7	7912.2	8155.8	8520.2	8828.3	8957.4	9388.4	10167.1	10925.0	9921.4
50°	8082.9	8035.0	8218.2	8638.8	9088.6	9511.3	9727.8	10221.3	11204.0	11947.4	10787.6
52.5°	8434.8	8407.7	8599.3	9111.5	9798.6	10285.8	10579.4	11227.0	12211.8	12965.5	11474.7
55°	8872.0	8807.5	9084.4	9736.1	10631.5	11251.9	11599.7	12222.2	13313.3	13890.0	11999.4
57.5°	9350.9	9280.1	9650.8	10516.9	11714.2	12395.0	12830.2	13342.4	14350.2	14598.0	12307.6
60°	9867.3	9844.4	10283.7	11433.1	13005.1	13796.3	14110.7	14575.0	15251.7	15008.1	12230.5
62.5°	10340.0	10331.6	10970.8	12426.3	14373.1	15243.4	15493.3	15616.1	15901.4	14981.1	11618.4
65°	10837.6	10908.4	11772.5	13577.7	15940.9	16794.6	16898.7	16586.4	16120.0	14271.1	10364.9
67.5°	10900.1	11037.5	12276.4	14656.3	17427.6	18233.4	18150.1	16954.9	15474.5	12295.1	8124.5
70°	9748.6	9988.1	11472.6	14820.7	18474.9	19068.3	18466.6	16161.6	13132.1	8907.4	5109.6
72.5°	8145.4	8351.5	9663.3	12638.6	17123.6	17879.4	17065.3	13679.7	9280.1	5109.6	2602.7
75°	6340.1	6579.6	7789.3	10046.4	12819.8	13121.7	12713.6	9540.4	5101.3	2107.1	1182.7
77.5°	3868.6	4041.5	4982.6	6806.5	8969.9	8518.1	7218.8	5349.0	2238.3	1009.8	730.8
80°	1711.5	1817.7	2454.9	3656.3	5182.5	4899.3	3862.4	2284.1	1224.3	641.3	510.1
82.5°	918.2	986.9	1209.7	1447.1	2275.8	2379.9	1930.2	1315.9	658.0	366.5	291.5
85°	403.9	443.5	549.7	524.7	747.5	735.0	741.2	903.7	314.4	168.7	189.5
87.5°	0.0	0.0	0.0	0.0	2.1	2.1	22.9	120.8	31.2	50.0	43.7
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: P642273  
 CATALOG NUMBER: GWS-SA6C-750-U-SL4-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9	4736.9
2.5°	4686.9	4649.4	4639.0	4626.5	4603.6	4564.1	4534.9	4501.6	4487.0	4470.4	4472.5
5°	4570.3	4524.5	4480.8	4424.6	4353.8	4274.7	4220.5	4158.1	4124.7	4093.5	4101.8
7.5°	4470.4	4399.6	4310.1	4191.4	4064.4	3922.8	3808.3	3718.7	3658.3	3616.7	3637.5
10°	4407.9	4324.6	4168.5	3974.8	3760.4	3543.8	3379.3	3225.3	3129.5	3054.5	3050.3
12.5°	4395.4	4287.1	4060.2	3779.1	3468.9	3179.4	2937.9	2729.7	2602.7	2509.0	2544.4
15°	4407.9	4270.5	3966.5	3598.0	3206.5	2815.1	2515.2	2275.8	2123.8	2038.4	2032.2
17.5°	4422.5	4253.8	3860.3	3402.2	2931.7	2484.0	2136.3	1882.3	1726.1	1640.7	1642.8
20°	4435.0	4228.8	3735.4	3187.8	2652.7	2175.8	1815.6	1574.1	1434.6	1372.1	1382.5
22.5°	4455.8	4203.9	3602.1	2958.7	2367.4	1878.1	1561.6	1365.9	1282.6	1241.0	1243.0
25°	4495.4	4189.3	3464.7	2708.9	2086.3	1640.7	1386.7	1255.5	1203.5	1178.5	1176.4
27.5°	4576.6	4201.8	3321.0	2467.3	1832.3	1459.6	1274.3	1188.9	1153.5	1136.9	1134.8
30°	4711.9	4251.7	3196.1	2221.7	1613.7	1318.0	1197.2	1145.2	1124.4	1109.8	1107.7
32.5°	4918.0	4345.4	3060.8	1992.6	1436.7	1213.9	1136.9	1109.8	1095.2	1086.9	1086.9
35°	5230.4	4516.2	2927.5	1792.7	1299.3	1132.7	1089.0	1078.6	1066.1	1061.9	1066.1
37.5°	5680.1	4788.9	2806.7	1617.8	1201.4	1070.2	1036.9	1041.1	1030.7	1036.9	1043.2
40°	6250.6	5153.3	2704.7	1474.2	1128.5	1024.4	991.1	1005.7	999.4	1005.7	1016.1
42.5°	6973.1	5605.1	2627.7	1361.7	1076.5	986.9	955.7	970.3	966.1	974.4	984.9
45°	7778.9	6200.6	2592.3	1282.6	1039.0	959.9	926.6	937.0	932.8	939.0	949.5
47.5°	8551.4	6742.0	2623.5	1236.8	1007.8	937.0	901.6	905.7	903.7	901.6	907.8
50°	9217.7	7173.0	2713.0	1222.2	986.9	914.1	880.7	882.8	876.6	864.1	868.3
52.5°	9761.1	7518.6	2767.2	1222.2	976.5	889.1	857.8	859.9	847.4	830.8	832.9
55°	10119.2	7658.1	2723.5	1220.1	972.4	868.3	834.9	837.0	824.5	803.7	805.8
57.5°	10221.3	7522.8	2540.2	1197.2	968.2	851.6	812.0	816.2	807.9	785.0	785.0
60°	9936.0	7027.3	2205.0	1145.2	957.8	841.2	795.4	801.6	797.5	774.6	774.6
62.5°	9188.5	6146.5	1805.2	1066.1	928.6	828.7	780.8	793.3	803.7	791.2	789.1
65°	7789.3	4924.3	1467.9	978.6	891.2	807.9	760.0	791.2	814.1	830.8	830.8
67.5°	5844.6	3525.1	1197.2	887.0	834.9	766.2	732.9	762.1	778.7	789.1	795.4
70°	3562.6	2073.8	943.2	780.8	753.7	703.8	678.8	649.6	626.7	622.6	624.6
72.5°	1742.8	1186.8	766.2	664.2	643.4	597.6	541.4	528.9	518.5	512.2	510.1
75°	959.9	826.6	633.0	551.8	514.3	458.1	445.6	424.8	420.6	412.3	414.3
77.5°	678.8	651.7	522.6	447.7	391.4	362.3	368.5	354.0	354.0	347.7	345.6
80°	510.1	512.2	401.9	326.9	289.4	279.0	285.3	285.3	281.1	279.0	276.9
82.5°	322.7	364.4	270.7	210.3	206.1	208.2	206.1	204.1	208.2	202.0	199.9
85°	222.8	262.4	164.5	124.9	124.9	122.8	127.0	124.9	129.1	122.8	122.8
87.5°	50.0	116.6	60.4	37.5	39.6	37.5	39.6	41.6	45.8	47.9	47.9
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)