

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: P642832

Luminaire Tested: GWS-SA6D-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642832
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-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: 36074.3 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B5 - U0 - G5

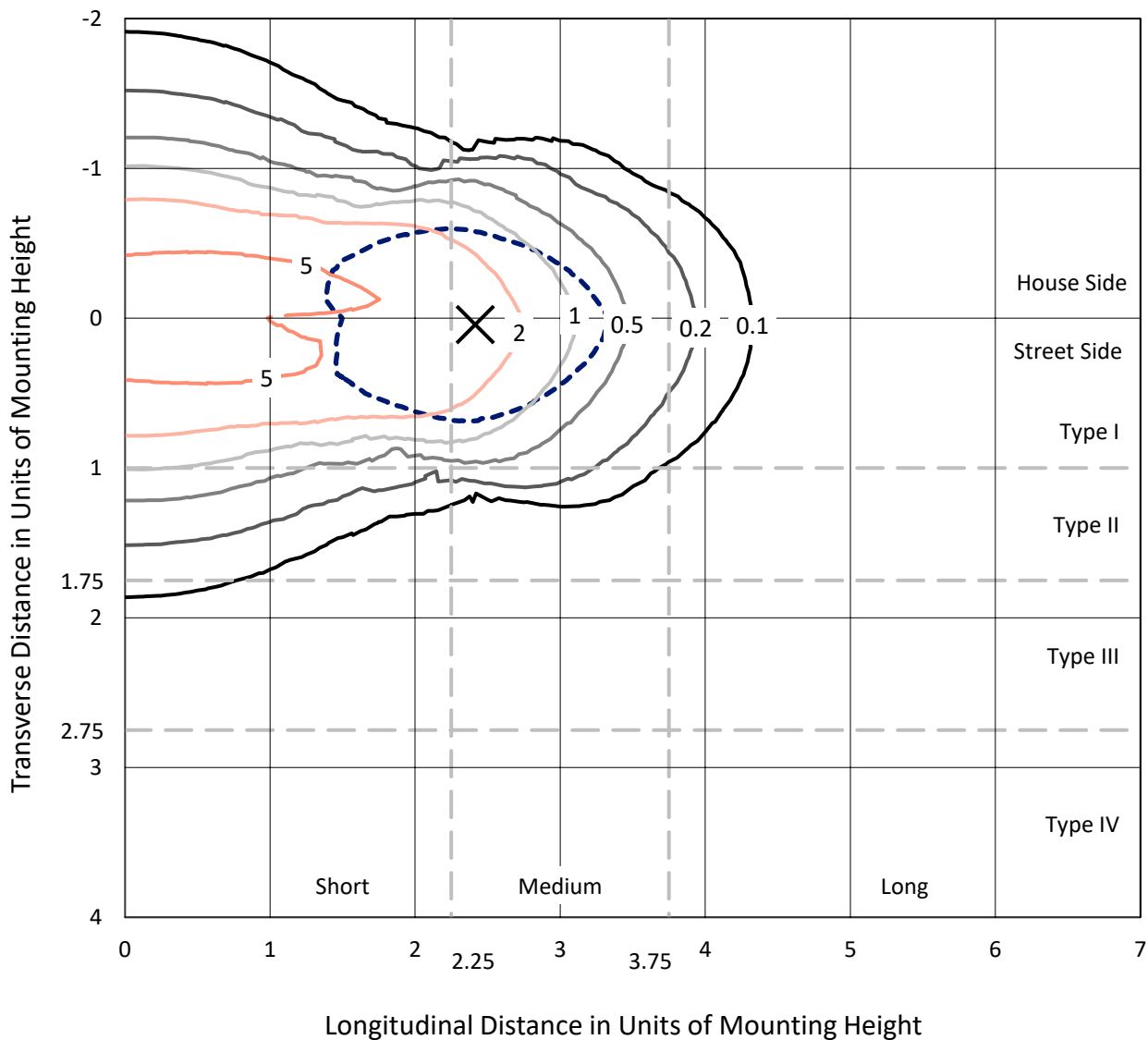
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642832
 CATALOG NUMBER: GWS-SA6D-760-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

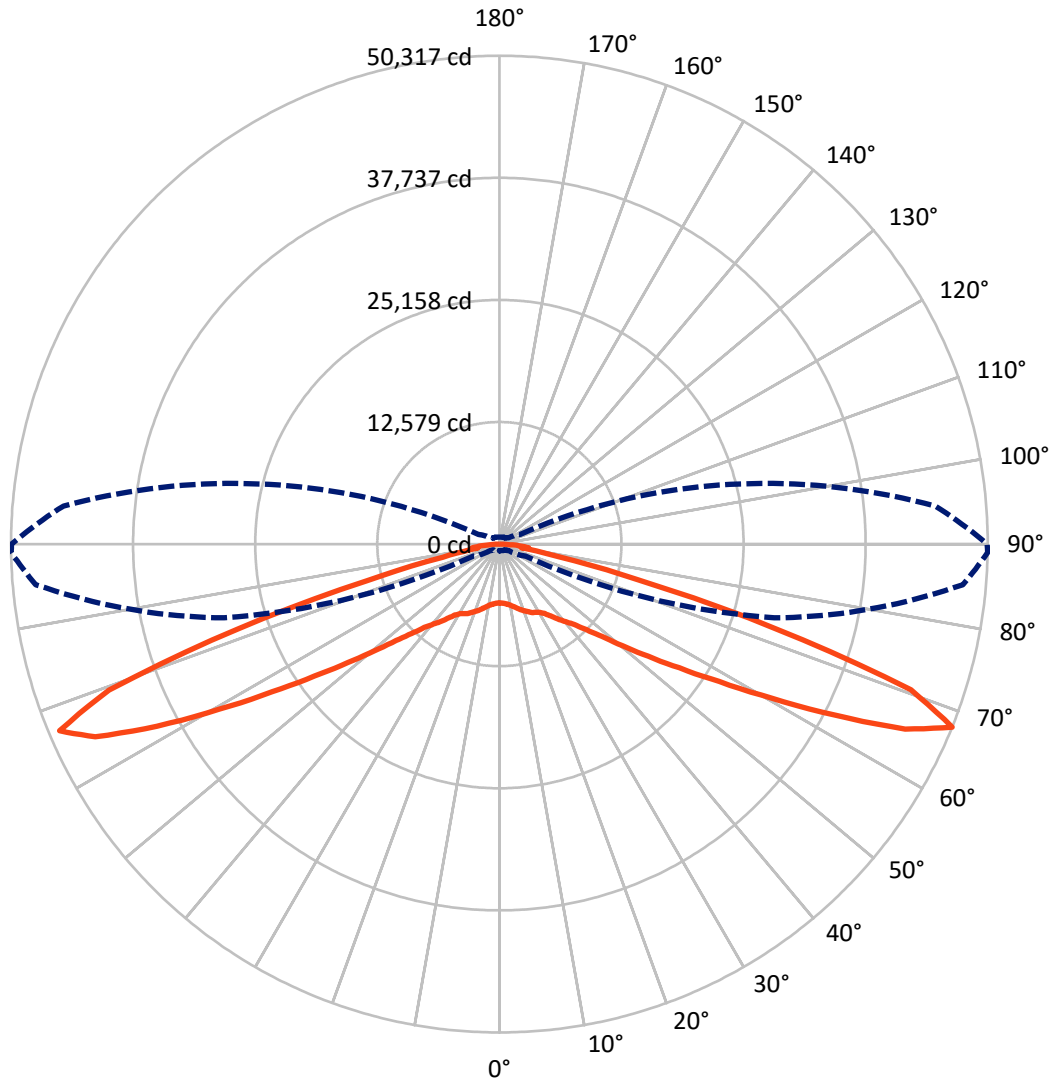
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.3 fc
 Type I - Medium - N/A

REPORT NUMBER: P642832
CATALOG NUMBER: GWS-SA6D-760-U-T1-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642832

CATALOG NUMBER: GWS-SA6D-760-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17879.1	0.0	17879.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	18195.2	0.0	18195.2
	% Fixture	50.4	0.0	50.4
Total	Lumens	36074.3	0.0	36074.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.3	1.7
10°-20°	1977.6	5.5
20°-30°	3343.0	9.3
30°-40°	4587.9	12.7
40°-50°	5850.6	16.2
50°-60°	7340.4	20.3
60°-70°	8853.2	24.5
70°-80°	3202.8	8.9
80°-90°	311.5	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°	36074.3	100.0
0°-180°	36074.3	100.0

Coefficient of Utilization



REPORT NUMBER: P642832

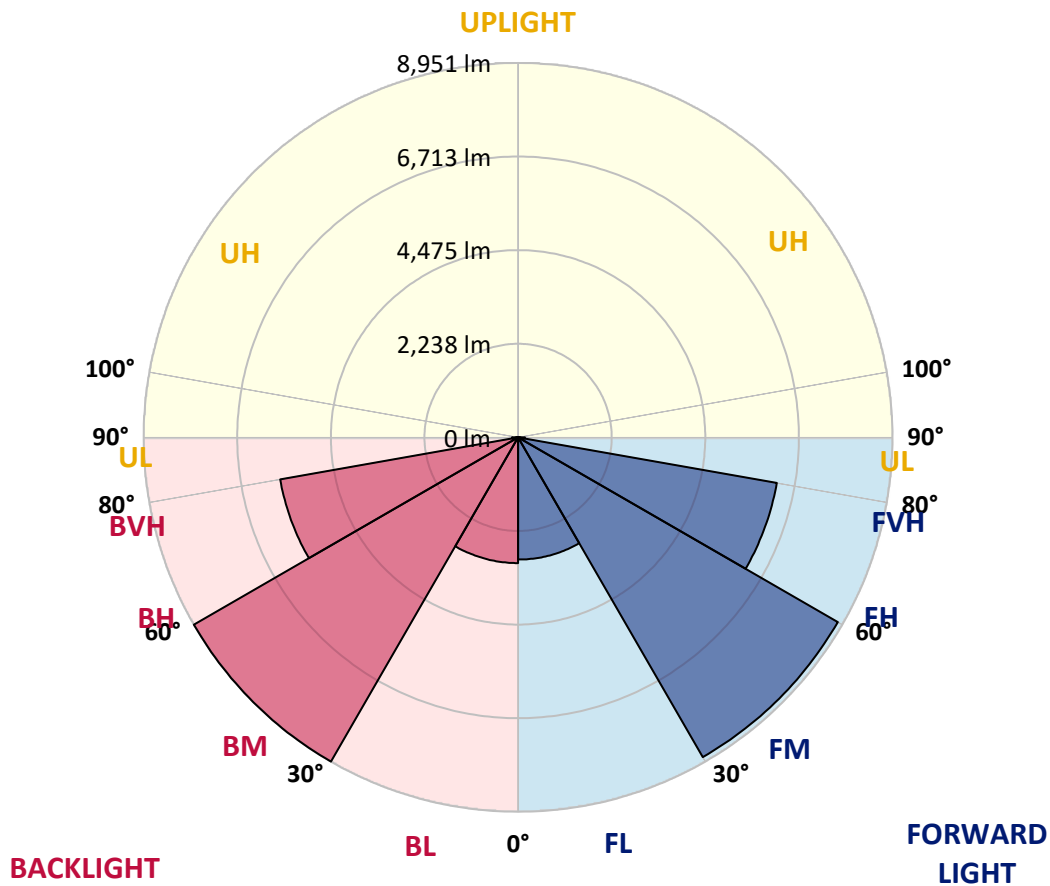
CATALOG NUMBER: GWS-SA6D-760-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2921.7	8.1			
FM (30°-60°)	8828.1	24.5			
FH (60°-80°)	6281.1	17.4			G3/7500
FVH (80°-90°)	164.3	0.5			G2/225
BL (0°-30°)	3006.2	8.3	B4/5000		
BM (30°-60°)	8950.8	24.8	B5		
BH (60°-80°)	5774.9	16.0	B5		G5
BVH (80°-90°)	147.1	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 I Medium





REPORT NUMBER: P642832
 CATALOG NUMBER: GWS-SA6D-760-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8
2.5°	6072.9	6067.7	6054.8	6093.6	6085.9	6088.5	6104.0	6093.6	6075.5	6044.4	6088.5
5°	6243.9	6241.3	6212.8	6236.1	6210.2	6192.1	6189.5	6163.6	6142.9	6109.2	6155.8
7.5°	6409.7	6407.1	6383.8	6425.3	6404.5	6383.8	6360.5	6308.7	6259.5	6210.2	6262.0
10°	6536.7	6534.1	6528.9	6588.5	6593.7	6601.4	6591.1	6503.0	6417.5	6357.9	6409.7
12.5°	6609.2	6617.0	6629.9	6738.8	6793.2	6845.0	6857.9	6785.4	6642.9	6557.4	6619.6
15°	6560.0	6575.5	6640.3	6837.2	6987.5	7104.1	7153.3	7093.7	6909.8	6767.3	6837.2
17.5°	6324.2	6337.2	6464.1	6764.7	7096.3	7365.7	7446.1	7409.8	7205.1	7031.5	7098.9
20°	5997.8	6026.3	6163.6	6583.3	7078.2	7547.1	7762.1	7749.2	7526.4	7259.5	7339.8
22.5°	5702.4	5736.1	5881.2	6345.0	6956.4	7593.7	8080.8	8114.5	7819.1	7487.5	7552.3
25°	5370.8	5401.9	5588.4	6062.6	6746.5	7557.5	8352.9	8505.7	8150.8	7749.2	7808.8
27.5°	5031.4	5054.7	5238.7	5743.9	6471.9	7490.1	8567.9	8935.8	8477.2	7930.5	7972.0
30°	4733.5	4764.5	4932.9	5425.2	6171.4	7355.4	8744.1	9394.4	8852.9	8135.2	8168.9
32.5°	4445.9	4471.8	4655.7	5111.7	5852.7	7148.1	8902.1	9933.3	9409.9	8516.1	8516.1
35°	4083.2	4129.8	4337.1	4811.2	5552.2	6873.5	9016.1	10560.2	10171.6	9078.3	9080.9
37.5°	3748.9	3774.8	3992.5	4471.8	5236.1	6562.6	9026.5	11210.5	11135.4	9793.4	9798.5
40°	3368.1	3401.8	3634.9	4109.1	4873.4	6236.1	8928.0	11816.8	12145.8	10529.2	10500.7
42.5°	2982.1	3031.3	3254.1	3717.8	4482.1	5837.2	8666.3	12394.6	13428.3	11381.5	11311.6
45°	2609.0	2640.1	2862.9	3300.7	4033.9	5360.4	8246.6	12949.0	14951.7	12677.0	12575.9
47.5°	2189.3	2202.2	2432.8	2852.5	3570.2	4829.3	7645.6	13443.8	16625.4	14392.1	14218.5
50°	1816.2	1834.3	2015.7	2375.8	3002.8	4199.7	6896.8	13734.0	18757.6	16731.6	16431.1
52.5°	1469.0	1487.1	1632.2	1919.8	2482.0	3482.1	5969.3	13666.7	20921.0	19635.9	19198.1
55°	1186.6	1199.6	1298.0	1523.4	1953.5	2769.6	4873.4	13063.0	23322.7	23428.9	22485.9
57.5°	1002.7	1007.8	1075.2	1212.5	1526.0	2134.8	3761.9	11638.0	25841.0	28268.6	26719.3
60°	896.4	899.0	930.1	1015.6	1204.7	1629.6	2756.6	9368.5	28450.0	34323.4	32198.9
62.5°	829.1	829.1	855.0	904.2	1000.1	1254.0	2026.0	6728.4	30323.1	40911.9	38800.3
65°	764.3	764.3	782.4	823.9	875.7	1023.4	1520.8	4339.6	31242.9	46420.0	45951.0
67.5°	681.4	684.0	696.9	741.0	787.6	855.0	1152.9	2935.4	29333.4	47943.4	50316.6
70°	603.7	606.3	624.4	652.9	691.8	738.4	901.6	2023.4	21351.1	39929.9	44989.8
72.5°	518.2	528.5	541.5	572.6	595.9	629.6	735.8	1311.0	12423.1	25685.5	29740.2
75°	424.9	437.9	453.4	484.5	500.0	513.0	606.3	935.3	5977.1	13016.4	14822.2
77.5°	329.0	342.0	360.1	388.6	399.0	414.5	463.8	676.2	2862.9	5769.8	6220.6
80°	220.2	225.4	240.9	274.6	292.8	303.1	342.0	461.2	1243.6	2316.2	2295.5
82.5°	134.7	137.3	142.5	163.2	171.0	181.4	222.8	282.4	593.3	2632.3	3018.3
85°	49.2	46.6	44.0	57.0	67.4	77.7	103.6	142.5	259.1	1808.4	2023.4
87.5°	0.0	0.0	0.0	2.6	5.2	5.2	10.4	20.7	62.2	676.2	463.8
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: P642832
 CATALOG NUMBER: GWS-SA6D-760-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8	6054.8
2.5°	6075.5	6047.0	6083.3	6109.2	6166.2	6186.9	6192.1	6174.0	6174.0	6142.9	6148.1
5°	6145.5	6127.3	6186.9	6231.0	6313.9	6345.0	6365.7	6352.7	6360.5	6339.8	6345.0
7.5°	6251.7	6236.1	6339.8	6425.3	6510.8	6547.0	6565.2	6554.8	6557.4	6531.5	6539.3
10°	6399.4	6404.5	6528.9	6640.3	6754.3	6790.6	6798.4	6767.3	6741.4	6694.7	6697.3
12.5°	6601.4	6627.4	6803.5	6927.9	7044.5	7096.3	7039.3	6925.3	6819.1	6738.8	6728.4
15°	6821.7	6868.3	7122.2	7280.2	7407.2	7381.3	7212.9	6956.4	6746.5	6627.4	6604.0
17.5°	7085.9	7155.9	7474.6	7663.7	7772.5	7606.7	7254.3	6870.9	6578.1	6417.5	6386.4
20°	7334.7	7446.1	7847.6	8093.8	8106.7	7733.6	7236.2	6697.3	6329.4	6132.5	6091.1
22.5°	7562.6	7705.1	8238.9	8552.3	8383.9	7790.6	7124.8	6451.2	6028.9	5798.3	5762.0
25°	7811.4	8013.5	8694.8	8987.6	8661.2	7767.3	6891.6	6145.5	5666.2	5430.4	5404.5
27.5°	7982.4	8236.3	9153.4	9433.2	8889.2	7635.2	6591.1	5811.2	5334.5	5111.7	5075.4
30°	8179.3	8503.1	9658.6	9917.7	9029.1	7440.9	6269.8	5500.3	5026.2	4785.3	4759.4
32.5°	8536.8	8943.6	10285.6	10430.7	9073.1	7199.9	5961.5	5199.8	4705.0	4464.0	4427.7
35°	9112.0	9588.7	11166.5	11003.3	9039.4	6935.7	5668.7	4847.5	4375.9	4150.5	4114.2
37.5°	9837.4	10430.7	12148.4	11518.9	8946.2	6645.5	5321.6	4552.1	4080.6	3852.6	3831.8
40°	10513.6	11244.2	13249.5	11964.5	8757.0	6288.0	4987.4	4243.8	3761.9	3520.9	3474.3
42.5°	11360.8	12332.4	14524.2	12350.5	8446.1	5860.5	4611.7	3862.9	3362.9	3145.3	3088.3
45°	12648.5	13855.8	16006.2	12721.0	7982.4	5334.5	4140.2	3399.2	2925.1	2702.2	2658.2
47.5°	14254.8	15760.0	17612.5	12941.2	7277.7	4780.1	3606.4	2909.5	2435.4	2184.1	2163.3
50°	16511.4	18529.6	19335.4	12902.4	6490.0	4122.0	3005.4	2326.6	1930.2	1748.8	1720.3
52.5°	19260.3	22006.5	21198.2	12436.0	5653.2	3373.3	2342.1	1826.5	1531.2	1401.6	1378.3
55°	22708.7	26170.0	23159.5	11435.9	4596.1	2583.1	1839.5	1440.5	1238.4	1160.7	1150.3
57.5°	26978.4	31561.5	25048.2	9751.9	3456.2	1971.6	1417.2	1189.2	1093.3	1046.7	1044.1
60°	32613.4	37284.7	26688.2	7578.2	2474.2	1507.9	1171.1	1062.2	987.1	956.0	953.4
62.5°	39313.3	42481.9	27709.0	5160.9	1860.2	1202.1	1031.2	963.8	919.7	901.6	899.0
65°	46199.8	45767.1	27221.9	3381.0	1412.0	1020.8	924.9	888.7	849.8	831.7	831.7
67.5°	50267.4	45072.8	23483.3	2347.3	1119.2	896.4	834.2	800.6	735.8	720.3	720.3
70°	44523.5	36523.0	15392.1	1717.7	906.8	785.0	725.4	678.8	652.9	637.3	634.8
72.5°	29447.4	23765.7	8184.4	1191.8	756.5	668.4	614.0	595.9	564.8	549.3	546.7
75°	14656.4	12482.6	4194.6	860.2	629.6	536.3	513.0	505.2	479.3	458.6	453.4
77.5°	6109.2	5557.3	1956.1	624.4	479.3	432.7	411.9	411.9	383.4	360.1	349.8
80°	2303.3	2051.9	924.9	427.5	354.9	321.3	308.3	297.9	274.6	246.1	230.6
82.5°	3080.5	2013.1	453.4	266.9	233.2	207.3	189.1	181.4	168.4	155.5	145.1
85°	1994.9	1430.1	204.7	137.3	116.6	88.1	77.7	72.5	64.8	57.0	51.8
87.5°	406.8	479.3	62.2	25.9	15.5	7.8	7.8	2.6	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)