

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: P639737

Luminaire Tested: GWS-SA5C-740-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639737
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-SA5C-740-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23400.2 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

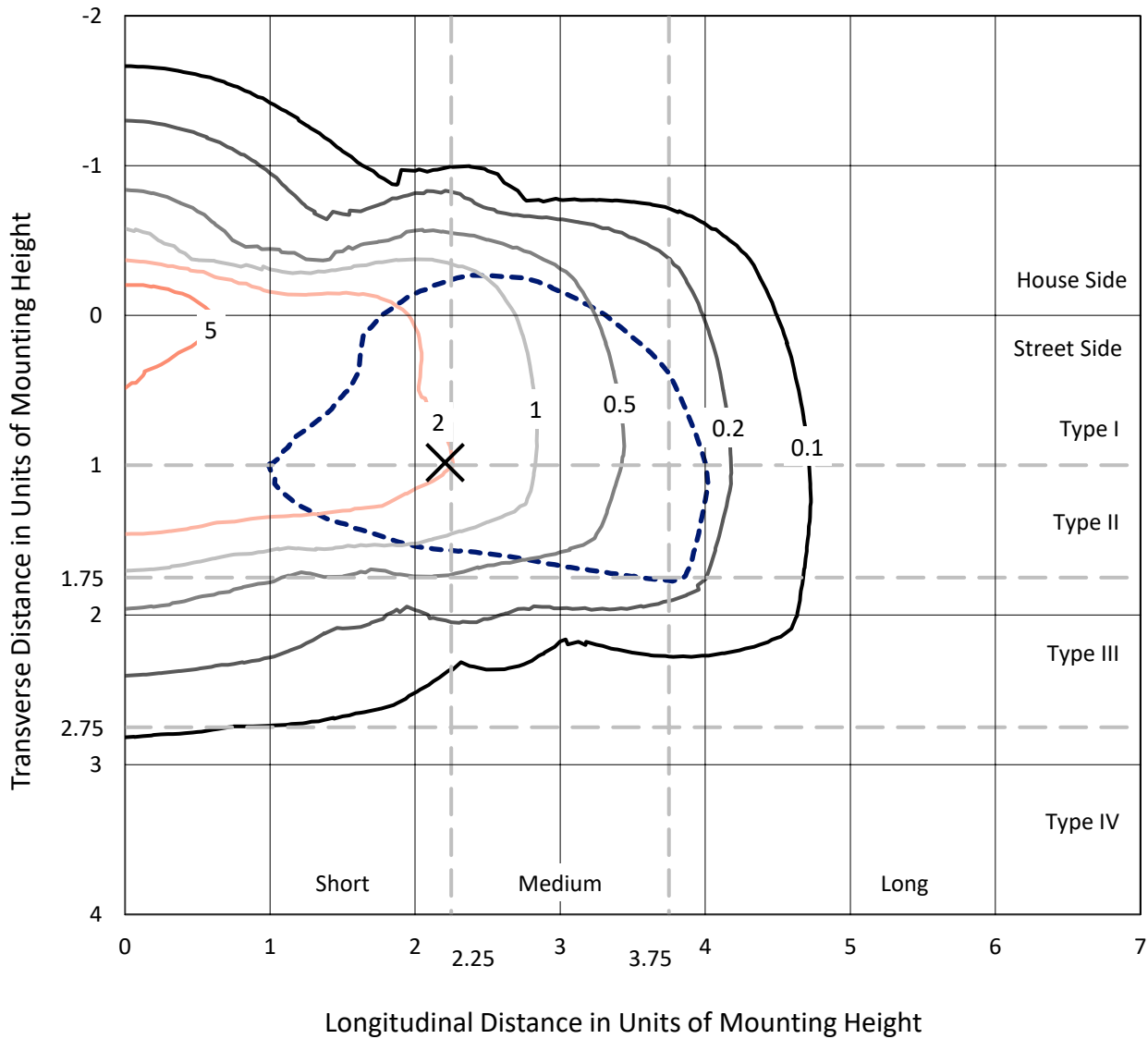
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639737
 CATALOG NUMBER: GWS-SA5C-740-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

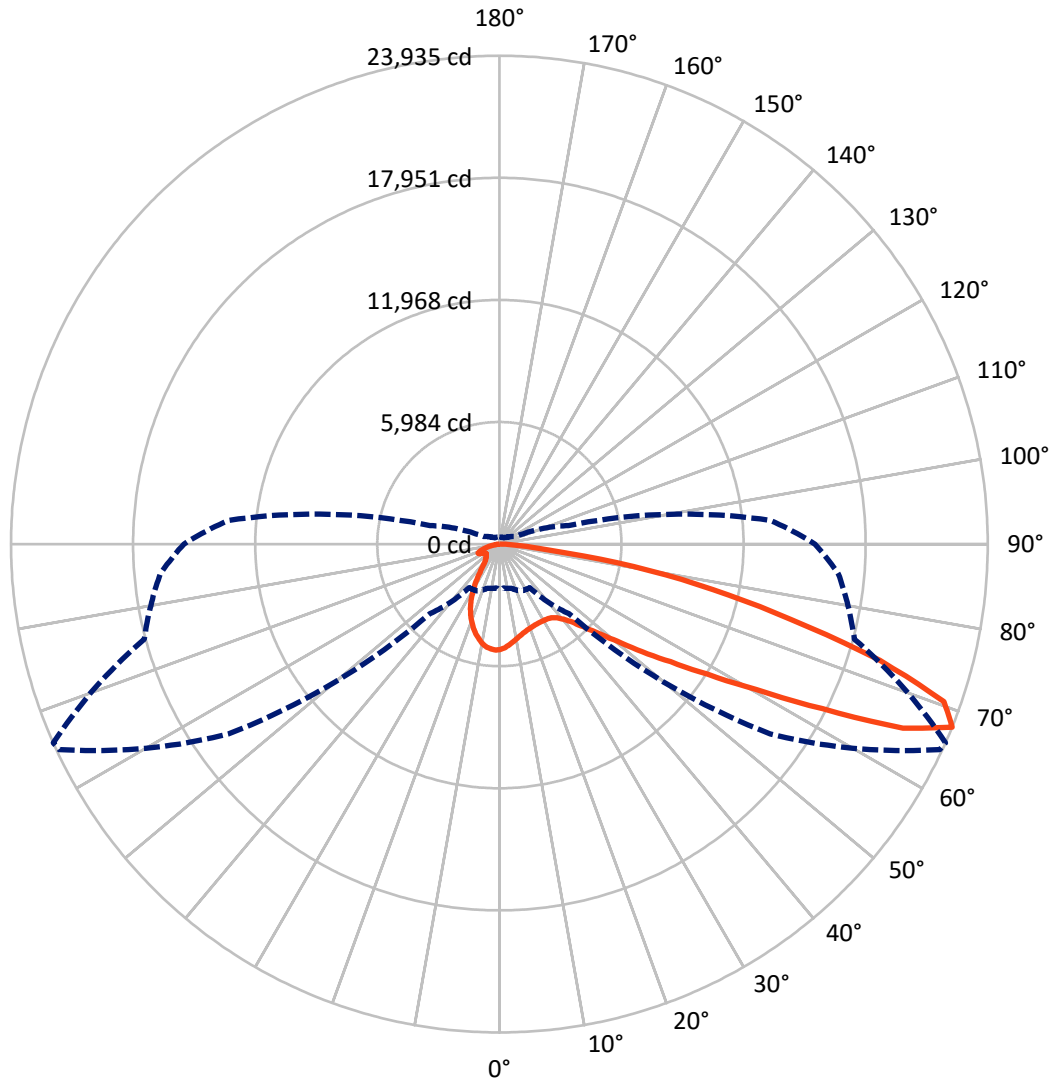
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

REPORT NUMBER: P639737
CATALOG NUMBER: GWS-SA5C-740-U-SL2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639737

CATALOG NUMBER: GWS-SA5C-740-U-SL2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4748.4	0.0	4748.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	18651.8	0.0	18651.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	23400.2	0.0	23400.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.8	1.9
10°-20°	1115.3	4.8
20°-30°	1533.0	6.6
30°-40°	2095.8	9.0
40°-50°	3175.7	13.6
50°-60°	4936.8	21.1
60°-70°	6010.4	25.7
70°-80°	3661.2	15.6
80°-90°	418.2	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°	23400.2	100.0
0°-180°	23400.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639737

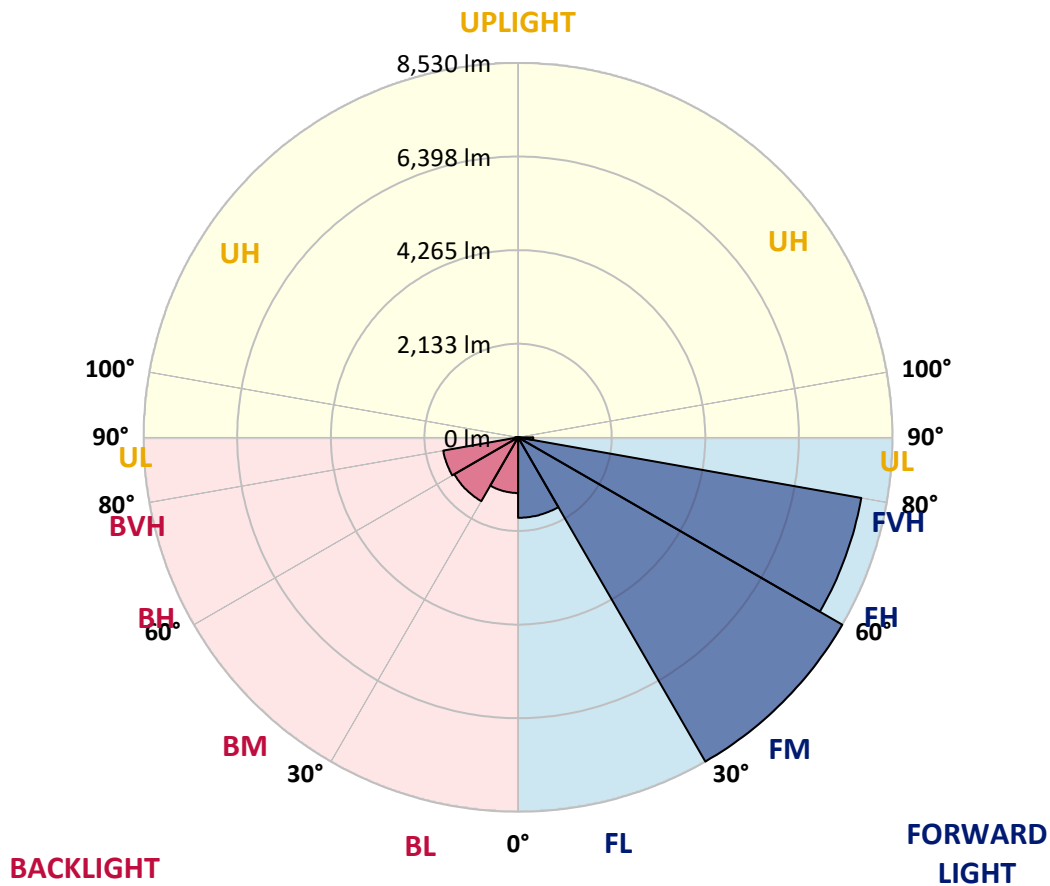
CATALOG NUMBER: GWS-SA5C-740-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1833.5	7.8			
FM (30°-60°)	8530.3	36.5			
FH (60°-80°)	7940.3	33.9			G4/12000
FVH (80°-90°)	347.7	1.5			G3/500
BL (0°-30°)	1268.5	5.4	B3/2500		
BM (30°-60°)	1678.0	7.2	B2/2500		
BH (60°-80°)	1731.4	7.4	B3/2500		G3/2500
BVH (80°-90°)	70.5	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 II Short





REPORT NUMBER: P639737
 CATALOG NUMBER: GWS-SA5C-740-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8
2.5°	4843.0	4860.1	4849.8	4914.7	4918.1	5000.1	5046.2	5085.4	5088.8	5140.1	5174.2
5°	4511.8	4522.1	4522.1	4583.5	4624.5	4733.8	4839.6	4952.3	4960.8	5083.7	5177.6
7.5°	4243.8	4254.1	4247.2	4329.2	4382.1	4503.3	4638.2	4810.6	4827.7	5025.7	5189.6
10°	4033.9	4030.4	4047.5	4122.6	4190.9	4336.0	4486.2	4682.6	4708.2	4959.1	5203.2
12.5°	3890.5	3893.9	3904.1	3982.6	4056.0	4199.4	4354.8	4568.2	4595.5	4882.3	5196.4
15°	3822.2	3815.3	3823.9	3895.6	3965.6	4091.9	4252.4	4472.6	4499.9	4814.0	5198.1
17.5°	3806.8	3801.7	3800.0	3851.2	3904.1	4021.9	4175.5	4399.2	4428.2	4769.6	5208.3
20°	3854.6	3847.8	3829.0	3851.2	3873.4	3972.4	4120.9	4346.3	4378.7	4740.6	5228.8
22.5°	3986.1	3974.1	3945.1	3917.8	3888.8	3948.5	4086.8	4307.0	4339.4	4721.8	5249.3
25°	4185.8	4175.5	4144.8	4083.4	3977.5	3967.3	4079.9	4289.9	4322.4	4708.2	5257.8
27.5°	4460.6	4445.3	4414.5	4325.8	4153.4	4037.3	4105.6	4288.2	4318.9	4692.8	5249.3
30°	4786.7	4776.4	4759.4	4651.8	4421.4	4185.8	4163.6	4301.9	4325.8	4684.3	5232.2
32.5°	5117.9	5107.6	5121.3	5070.1	4786.7	4431.6	4289.9	4339.4	4356.5	4682.6	5216.9
35°	5409.8	5421.7	5520.7	5529.3	5251.0	4764.5	4489.7	4426.5	4429.9	4716.7	5223.7
37.5°	5715.3	5761.4	5891.2	6002.1	5770.0	5204.9	4786.7	4590.4	4587.0	4803.8	5266.4
40°	6119.9	6140.4	6306.0	6514.3	6369.2	5809.2	5208.3	4858.4	4834.5	4981.3	5380.8
42.5°	6514.3	6563.8	6828.4	7067.4	7019.6	6490.4	5739.2	5259.5	5216.9	5295.4	5616.3
45°	7016.1	7063.9	7361.0	7668.3	7755.3	7260.3	6418.7	5829.7	5787.0	5768.3	6048.2
47.5°	7518.0	7567.5	7833.8	8277.7	8583.3	8223.1	7302.9	6582.5	6512.6	6439.1	6700.3
50°	7856.0	7914.1	8168.4	8701.0	9418.0	9424.9	8351.1	7569.2	7480.5	7364.4	7618.7
52.5°	7844.1	7881.6	8124.0	8738.6	10018.9	10805.9	9754.3	8825.7	8754.0	8501.3	8723.2
55°	7227.8	7284.2	7528.3	8296.5	10083.8	12115.2	11816.5	10307.4	10179.4	9727.0	9971.1
57.5°	5990.2	6038.0	6283.8	7231.2	9508.5	12786.1	14435.2	12195.5	12019.6	11062.0	11343.6
60°	4522.1	4464.0	4580.1	5409.8	8132.6	12803.2	16746.6	14756.1	14462.5	12489.1	12724.7
62.5°	3393.7	3335.7	3361.3	3595.1	5513.9	11768.7	18064.4	18259.0	17774.2	14100.6	14054.5
65°	2681.8	2649.4	2722.8	2883.3	3214.5	8962.2	18074.7	22047.1	21741.5	15968.1	15418.4
67.5°	2185.1	2164.6	2239.7	2536.7	2606.7	4815.7	16207.1	23815.6	23935.1	18013.2	16683.4
70°	1760.0	1729.3	1847.1	2238.0	2424.1	2914.0	11609.9	22914.3	23107.2	19232.1	16326.6
72.5°	1215.4	1217.2	1276.9	1812.9	2340.4	2516.3	6567.2	19080.2	19498.4	18127.6	14353.2
75°	819.4	826.2	843.3	1196.7	2156.1	2441.1	3499.5	14445.4	14740.7	14983.1	11864.3
77.5°	495.1	498.5	537.7	723.8	1486.9	2279.0	2371.1	10471.3	10703.5	9877.2	7354.1
80°	286.8	298.7	334.6	484.8	1003.8	1712.2	1835.1	6420.4	6683.3	4390.6	2337.0
82.5°	126.3	134.9	182.7	281.7	585.5	1456.1	1432.2	2536.7	2499.2	1224.0	810.9
85°	22.2	27.3	39.3	88.8	215.1	768.2	1111.3	1119.9	1053.3	464.3	336.3
87.5°	0.0	0.0	0.0	0.0	0.0	5.1	167.3	300.4	298.7	131.4	116.1
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: P639737
 CATALOG NUMBER: GWS-SA5C-740-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8	5170.8
2.5°	5196.4	5150.3	5191.3	5196.4	5187.9	5181.0	5129.8	5085.4	5080.3	5032.5	5032.5
5°	5215.2	5172.5	5193.0	5153.7	5092.3	5029.1	4919.8	4844.7	4810.6	4749.1	4749.1
7.5°	5240.8	5196.4	5172.5	5075.2	4931.8	4793.5	4617.7	4470.9	4411.1	4324.1	4320.6
10°	5264.7	5208.3	5126.4	4936.9	4708.2	4487.9	4231.9	4023.6	3881.9	3777.8	3777.8
12.5°	5263.0	5189.6	5027.4	4747.4	4431.6	4112.4	3771.0	3456.9	3269.1	3106.9	3096.7
15°	5259.5	5158.8	4901.1	4527.2	4109.0	3666.8	3202.5	2792.8	2514.5	2355.8	2342.1
17.5°	5256.1	5119.6	4759.4	4276.3	3716.3	3113.7	2500.9	2057.0	1824.9	1727.6	1731.0
20°	5256.1	5075.2	4607.4	3987.8	3264.0	2451.4	1835.1	1512.5	1454.4	1459.6	1464.7
22.5°	5240.8	5020.6	4438.4	3673.7	2760.4	1802.7	1353.7	1244.5	1275.2	1323.0	1329.8
25°	5204.9	4930.1	4242.1	3325.4	2161.2	1312.8	1104.5	1084.0	1140.3	1200.1	1217.2
27.5°	5148.6	4825.9	4021.9	2917.4	1591.0	1055.0	971.3	969.6	1014.0	1058.4	1073.8
30°	5088.8	4709.9	3789.7	2463.3	1152.3	918.4	886.0	886.0	908.2	935.5	932.1
32.5°	5018.8	4592.1	3540.5	1990.5	938.9	841.6	831.4	826.2	829.6	839.9	839.9
35°	4959.1	4487.9	3284.4	1490.3	841.6	798.9	788.7	776.7	771.6	764.8	768.2
37.5°	4936.9	4406.0	3019.8	1123.3	793.8	768.2	751.1	734.0	722.1	718.7	717.0
40°	4972.8	4371.9	2755.2	925.2	759.7	735.8	717.0	694.8	684.5	684.5	684.5
42.5°	5112.7	4397.5	2485.5	836.5	735.8	708.4	681.1	660.6	657.2	660.6	662.4
45°	5368.8	4496.5	2205.6	792.1	715.3	681.1	648.7	633.3	633.3	636.7	636.7
47.5°	5826.3	4756.0	1929.0	764.8	694.8	658.9	624.8	609.4	607.7	611.1	611.1
50°	6618.4	5223.7	1679.8	746.0	679.4	641.9	607.7	587.2	582.1	580.4	580.4
52.5°	7617.0	6034.6	1521.0	732.3	660.6	623.1	588.9	561.6	551.4	546.3	546.3
55°	8824.0	7115.2	1521.0	722.1	636.7	600.9	561.6	534.3	519.0	512.1	512.1
57.5°	10191.3	8373.3	1783.9	713.6	618.0	575.3	532.6	505.3	488.2	478.0	478.0
60°	11582.6	9703.1	2434.3	701.6	600.9	542.9	500.2	474.6	452.4	440.4	438.7
62.5°	13025.1	11167.8	3291.3	708.4	588.9	512.1	466.0	437.0	418.2	406.3	404.6
65°	14346.4	12562.5	4040.7	761.4	590.7	484.8	426.8	401.2	385.8	370.4	368.7
67.5°	15468.0	13332.4	3514.9	868.9	626.5	452.4	387.5	361.9	348.2	338.0	336.3
70°	14682.7	12157.9	1993.9	935.5	676.0	418.2	343.1	326.1	312.4	305.6	303.9
72.5°	12555.7	10293.8	1333.2	826.2	616.3	373.9	302.2	288.5	278.3	269.7	268.0
75°	10170.9	8163.3	1019.1	677.7	479.7	303.9	259.5	249.2	239.0	230.5	228.8
77.5°	6017.5	4716.7	751.1	536.0	338.0	237.3	215.1	206.6	196.3	189.5	187.8
80°	1920.5	1638.8	476.3	368.7	223.6	182.7	165.6	158.8	148.5	140.0	138.3
82.5°	732.3	633.3	252.6	187.8	148.5	124.6	111.0	104.1	97.3	88.8	87.1
85°	324.3	303.9	140.0	100.7	80.2	61.5	54.6	51.2	42.7	35.8	34.1
87.5°	114.4	114.4	59.7	29.0	17.1	8.5	5.1	1.7	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)