

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: P641732

Luminaire Tested: GWS-SA6B-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641732
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-SA6B-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21133.8 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

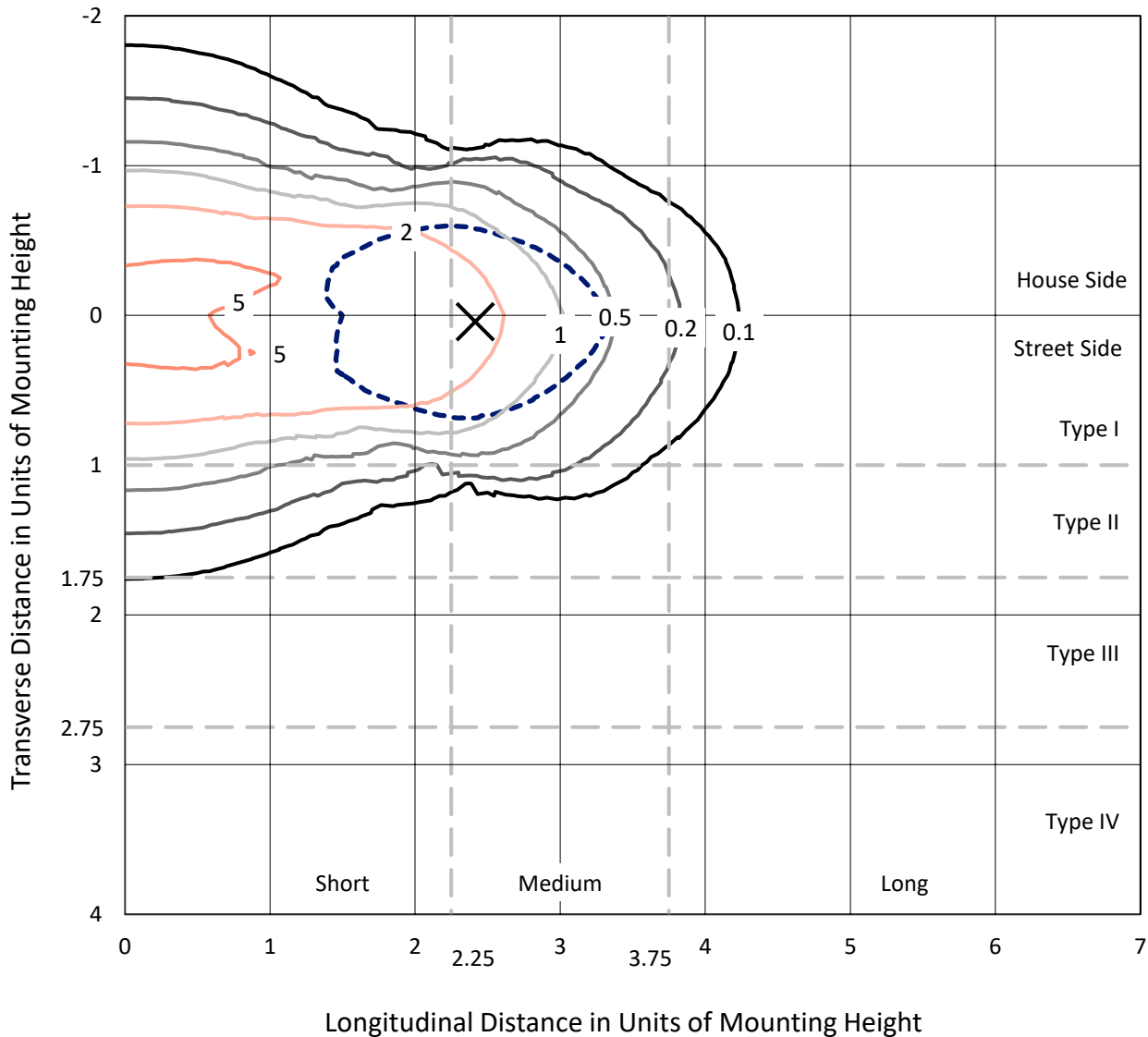
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641732
 CATALOG NUMBER: GWS-SA6B-740-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

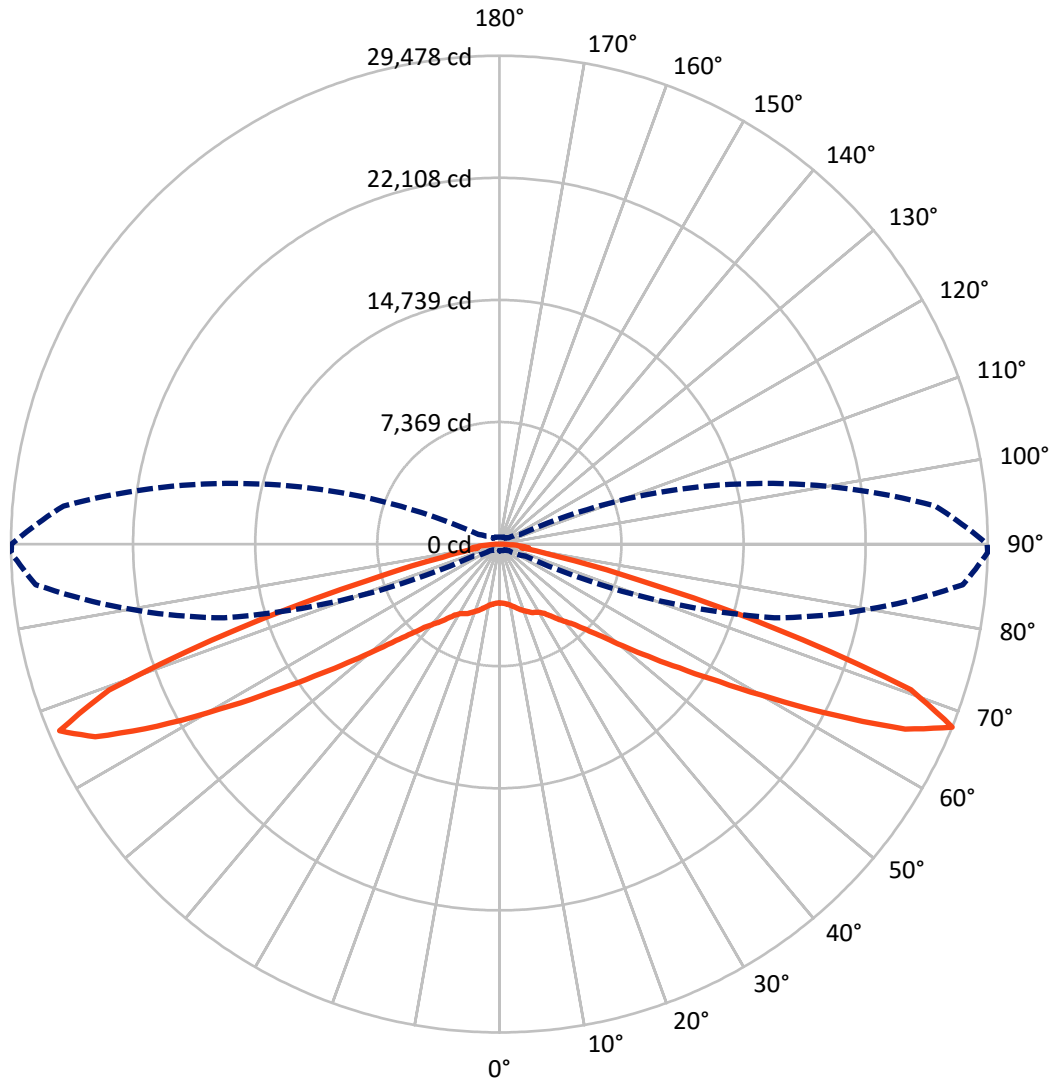
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type I - Medium - N/A

REPORT NUMBER: P641732
CATALOG NUMBER: GWS-SA6B-740-U-T1-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641732

CATALOG NUMBER: GWS-SA6B-740-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10474.3	0.0	10474.3
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	10659.5	0.0	10659.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	21133.8	0.0	21133.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.8	1.7
10°-20°	1158.6	5.5
20°-30°	1958.5	9.3
30°-40°	2687.8	12.7
40°-50°	3427.5	16.2
50°-60°	4300.3	20.3
60°-70°	5186.6	24.5
70°-80°	1876.3	8.9
80°-90°	182.5	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°	21133.8	100.0
0°-180°	21133.8	100.0

Coefficient of Utilization



REPORT NUMBER: P641732

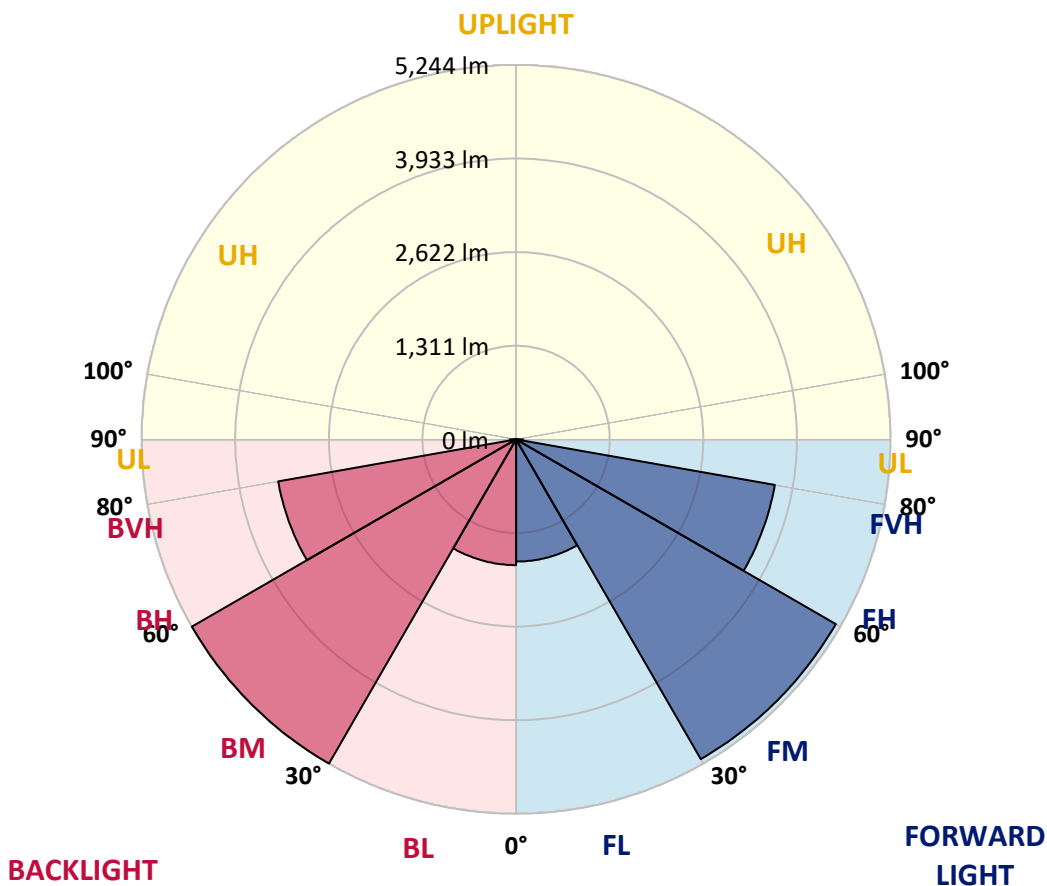
CATALOG NUMBER: GWS-SA6B-740-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1711.7	8.1			
FM (30°-60°)	5171.9	24.5			
FH (60°-80°)	3679.7	17.4			G2/5000
FVH (80°-90°)	96.3	0.5			G1/100
BL (0°-30°)	1761.2	8.3	B3/2500		
BM (30°-60°)	5243.7	24.8	B4/8500		
BH (60°-80°)	3383.2	16.0	B4/5000		G4/5000
BVH (80°-90°)	86.2	0.4			G1/100
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





REPORT NUMBER: P641732
 CATALOG NUMBER: GWS-SA6B-740-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1
2.5°	3557.8	3554.7	3547.1	3569.9	3565.4	3566.9	3576.0	3569.9	3559.3	3541.1	3566.9
5°	3657.9	3656.4	3639.7	3653.4	3638.2	3627.6	3626.1	3610.9	3598.7	3579.0	3606.3
7.5°	3755.1	3753.6	3739.9	3764.2	3752.0	3739.9	3726.2	3695.9	3667.0	3638.2	3668.6
10°	3829.5	3827.9	3824.9	3859.8	3862.8	3867.4	3861.3	3809.7	3759.6	3724.7	3755.1
12.5°	3872.0	3876.5	3884.1	3947.8	3979.7	4010.1	4017.7	3975.2	3891.7	3841.6	3878.0
15°	3843.1	3852.2	3890.2	4005.5	4093.6	4161.9	4190.7	4155.8	4048.0	3964.5	4005.5
17.5°	3705.0	3712.6	3787.0	3963.0	4157.3	4315.2	4362.2	4341.0	4221.0	4119.4	4158.8
20°	3513.7	3530.4	3610.9	3856.8	4146.7	4421.4	4547.4	4539.8	4409.3	4252.9	4300.0
22.5°	3340.7	3360.4	3445.4	3717.1	4075.3	4448.7	4734.1	4753.8	4580.8	4386.5	4424.4
25°	3146.4	3164.6	3273.9	3551.7	3952.4	4427.5	4893.4	4983.0	4775.1	4539.8	4574.7
27.5°	2947.6	2961.3	3069.0	3365.0	3791.5	4388.0	5019.4	5235.0	4966.3	4646.0	4670.3
30°	2773.1	2791.3	2889.9	3178.3	3615.4	4309.1	5122.6	5503.6	5186.4	4765.9	4785.7
32.5°	2604.6	2619.8	2727.5	2994.7	3428.7	4187.7	5215.2	5819.3	5512.7	4989.1	4989.1
35°	2392.1	2419.4	2540.8	2818.6	3252.7	4026.8	5282.0	6186.6	5958.9	5318.4	5319.9
37.5°	2196.3	2211.5	2339.0	2619.8	3067.5	3844.6	5288.1	6567.6	6523.6	5737.3	5740.4
40°	1973.2	1992.9	2129.5	2407.3	2855.0	3653.4	5230.4	6922.8	7115.5	6168.4	6151.7
42.5°	1747.0	1775.8	1906.4	2178.1	2625.8	3419.6	5077.1	7261.2	7866.8	6667.8	6626.8
45°	1528.4	1546.7	1677.2	1933.7	2363.2	3140.4	4831.2	7586.0	8759.3	7426.7	7367.5
47.5°	1282.6	1290.1	1425.2	1671.1	2091.6	2829.2	4479.1	7876.0	9739.8	8431.5	8329.8
50°	1064.0	1074.6	1180.9	1391.8	1759.1	2460.4	4040.4	8045.9	10989.0	9802.1	9626.0
52.5°	860.6	871.2	956.2	1124.7	1454.1	2039.9	3497.1	8006.5	12256.4	11503.5	11247.0
55°	695.2	702.7	760.4	892.5	1144.4	1622.5	2855.0	7652.8	13663.4	13725.6	13173.1
57.5°	587.4	590.4	629.9	710.3	894.0	1250.7	2203.9	6818.0	15138.7	16560.9	15653.2
60°	525.2	526.7	544.9	595.0	705.8	954.7	1615.0	5488.4	16667.1	20108.0	18863.4
62.5°	485.7	485.7	500.9	529.7	585.9	734.6	1186.9	3941.8	17764.5	23967.8	22730.8
65°	447.8	447.8	458.4	482.7	513.0	599.5	891.0	2542.3	18303.4	27194.7	26920.0
67.5°	399.2	400.7	408.3	434.1	461.4	500.9	675.4	1719.7	17184.7	28087.2	29477.5
70°	353.7	355.2	365.8	382.5	405.3	432.6	528.2	1185.4	12508.3	23392.6	26356.9
72.5°	303.6	309.6	317.2	335.4	349.1	368.8	431.1	768.0	7277.9	15047.6	17423.0
75°	248.9	256.5	265.6	283.8	292.9	300.5	355.2	547.9	3501.6	7625.5	8683.4
77.5°	192.8	200.4	211.0	227.7	233.7	242.9	271.7	396.2	1677.2	3380.2	3644.3
80°	129.0	132.1	141.2	160.9	171.5	177.6	200.4	270.2	728.6	1356.9	1344.8
82.5°	78.9	80.4	83.5	95.6	100.2	106.2	130.5	165.4	347.6	1542.1	1768.3
85°	28.8	27.3	25.8	33.4	39.5	45.5	60.7	83.5	151.8	1059.4	1185.4
87.5°	0.0	0.0	0.0	1.5	3.0	3.0	6.1	12.1	36.4	396.2	271.7
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: P641732
 CATALOG NUMBER: GWS-SA6B-740-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1	3547.1
2.5°	3559.3	3542.6	3563.8	3579.0	3612.4	3624.5	3627.6	3617.0	3617.0	3598.7	3601.8
5°	3600.3	3589.6	3624.5	3650.3	3698.9	3717.1	3729.3	3721.7	3726.2	3714.1	3717.1
7.5°	3662.5	3653.4	3714.1	3764.2	3814.3	3835.5	3846.1	3840.1	3841.6	3826.4	3831.0
10°	3749.0	3752.0	3824.9	3890.2	3956.9	3978.2	3982.8	3964.5	3949.4	3922.0	3923.6
12.5°	3867.4	3882.6	3985.8	4058.6	4126.9	4157.3	4123.9	4057.1	3994.9	3947.8	3941.8
15°	3996.4	4023.7	4172.5	4265.1	4339.4	4324.3	4225.6	4075.3	3952.4	3882.6	3868.9
17.5°	4151.2	4192.2	4378.9	4489.7	4553.5	4456.3	4249.9	4025.3	3853.7	3759.6	3741.4
20°	4296.9	4362.2	4597.5	4741.7	4749.2	4530.7	4239.3	3923.6	3708.0	3592.7	3568.4
22.5°	4430.5	4514.0	4826.7	5010.3	4911.7	4564.1	4174.0	3779.4	3532.0	3396.9	3375.6
25°	4576.2	4694.6	5093.8	5265.3	5074.1	4550.4	4037.4	3600.3	3319.5	3181.3	3166.2
27.5°	4676.4	4825.1	5362.4	5526.4	5207.6	4473.0	3861.3	3404.5	3125.2	2994.7	2973.4
30°	4791.7	4981.5	5658.4	5810.2	5289.6	4359.2	3673.1	3222.3	2944.6	2803.4	2788.2
32.5°	5001.2	5239.5	6025.7	6110.7	5315.4	4218.0	3492.5	3046.3	2756.4	2615.2	2593.9
35°	5338.2	5617.4	6541.8	6446.2	5295.7	4063.2	3321.0	2839.8	2563.6	2431.5	2410.3
37.5°	5763.2	6110.7	7117.0	6748.2	5241.0	3893.2	3117.6	2666.8	2390.6	2257.0	2244.9
40°	6159.3	6587.3	7762.1	7009.3	5130.2	3683.7	2921.8	2486.2	2203.9	2062.7	2035.4
42.5°	6655.6	7224.8	8508.9	7235.4	4948.1	3433.3	2701.7	2263.1	1970.1	1842.6	1809.2
45°	7410.0	8117.3	9377.1	7452.5	4676.4	3125.2	2425.5	1991.4	1713.6	1583.1	1557.3
47.5°	8351.0	9232.9	10318.1	7581.5	4263.5	2800.4	2112.8	1704.5	1426.7	1279.5	1267.4
50°	9673.0	10855.4	11327.5	7558.7	3802.1	2414.8	1760.7	1363.0	1130.8	1024.5	1007.8
52.5°	11283.5	12892.3	12418.8	7285.5	3311.9	1976.2	1372.1	1070.1	897.0	821.1	807.5
55°	13303.7	15331.5	13567.8	6699.6	2692.6	1513.3	1077.6	843.9	725.5	680.0	673.9
57.5°	15805.0	18490.0	14674.3	5713.1	2024.8	1155.1	830.2	696.7	640.5	613.2	611.7
60°	19106.3	21842.9	15635.0	4439.6	1449.5	883.4	686.1	622.3	578.3	560.1	558.6
62.5°	23031.4	24887.6	16233.1	3023.5	1089.8	704.3	604.1	564.6	538.8	528.2	526.7
65°	27065.7	26812.2	15947.7	1980.8	827.2	598.0	541.9	520.6	497.8	487.2	487.2
67.5°	29448.7	26405.5	13757.5	1375.1	655.7	525.2	488.7	469.0	431.1	422.0	422.0
70°	26083.7	21396.7	9017.4	1006.3	531.2	459.9	425.0	397.7	382.5	373.4	371.9
72.5°	17251.5	13922.9	4794.8	698.2	443.2	391.6	359.7	349.1	330.9	321.8	320.3
75°	8586.3	7312.8	2457.3	503.9	368.8	314.2	300.5	296.0	280.8	268.7	265.6
77.5°	3579.0	3255.7	1146.0	365.8	280.8	253.5	241.3	241.3	224.6	211.0	204.9
80°	1349.3	1202.1	541.9	250.4	207.9	188.2	180.6	174.5	160.9	144.2	135.1
82.5°	1804.7	1179.3	265.6	156.3	136.6	121.4	110.8	106.2	98.7	91.1	85.0
85°	1168.7	837.8	119.9	80.4	68.3	51.6	45.5	42.5	37.9	33.4	30.4
87.5°	238.3	280.8	36.4	15.2	9.1	4.6	4.6	1.5	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)