

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: P635832

Luminaire Tested: GWS-SA3E-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635832
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-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22106 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

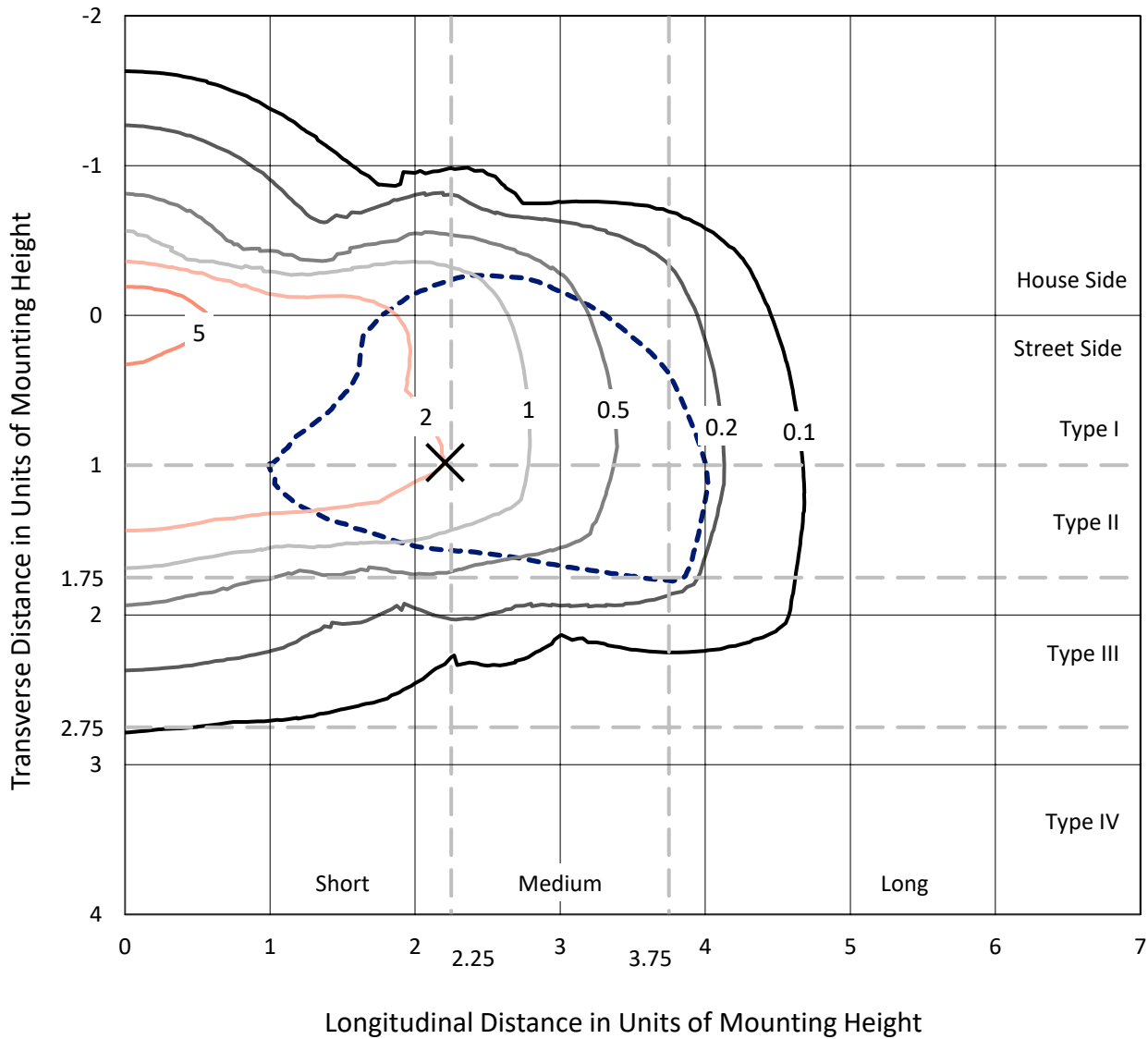
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635832
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Iso-Footcandle Lines of Horizontal Illumination

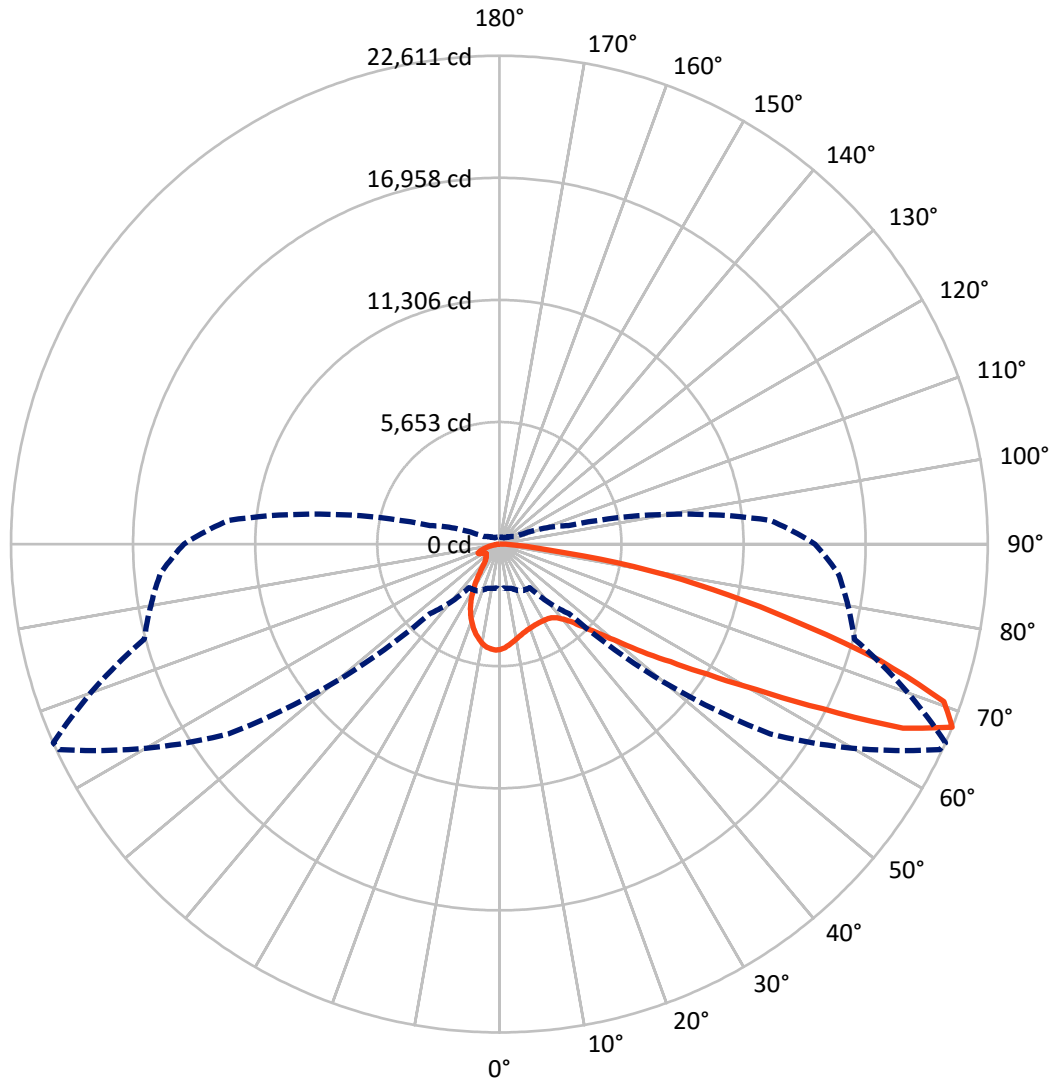
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

REPORT NUMBER: P635832
CATALOG NUMBER: GWS-SA3E-750-U-SL2-W

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
House Side	Lumens	4485.8	0.0	4485.8
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	17620.2	0.0	17620.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	22106.0	0.0	22106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.7	1.9
10°-20°	1053.6	4.8
20°-30°	1448.2	6.6
30°-40°	1979.9	9.0
40°-50°	3000.1	13.6
50°-60°	4663.7	21.1
60°-70°	5678.0	25.7
70°-80°	3458.8	15.6
80°-90°	395.1	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°	22106.0	100.0
0°-180°	22106.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635832

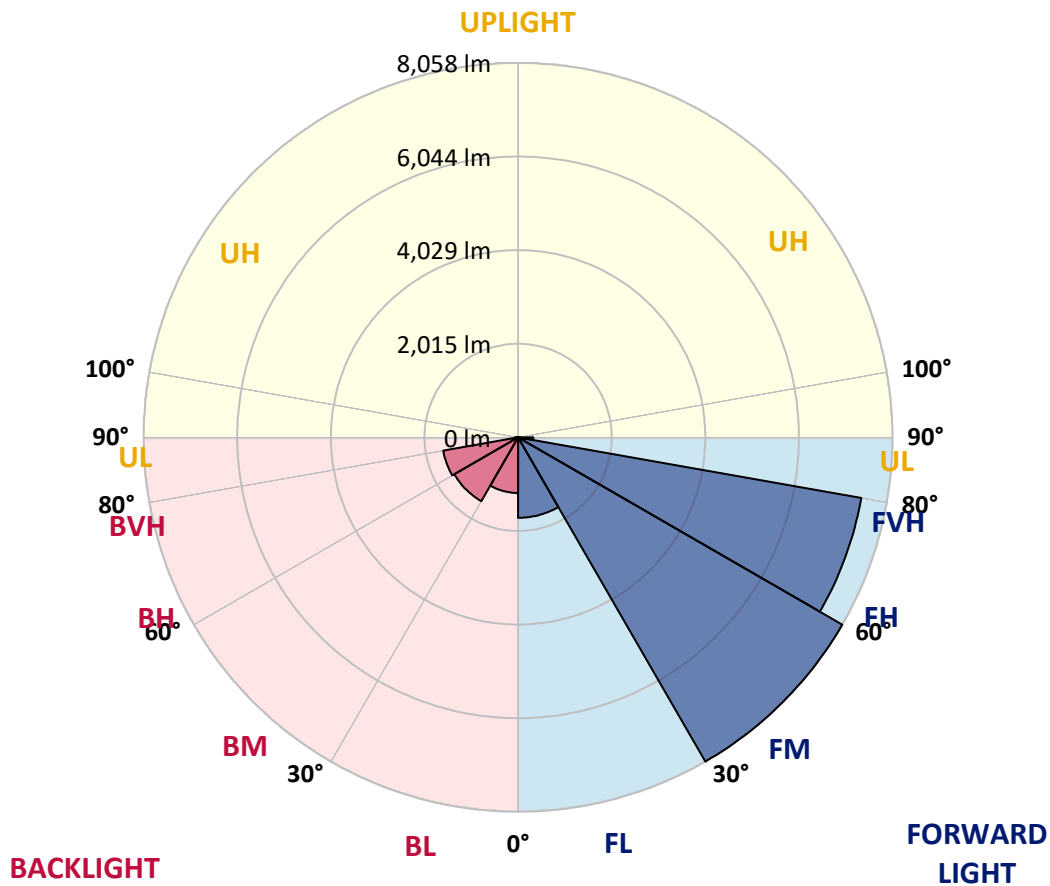
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1732.1	7.8			
FM (30°-60°)	8058.5	36.5			
FH (60°-80°)	7501.1	33.9			G4/12000
FVH (80°-90°)	328.5	1.5			G3/500
BL (0°-30°)	1198.4	5.4	B3/2500		
BM (30°-60°)	1585.2	7.2	B2/2500		
BH (60°-80°)	1635.6	7.4	B3/2500		G3/2500
BVH (80°-90°)	66.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8
2.5°	4575.2	4591.3	4581.6	4642.9	4646.1	4723.5	4767.1	4804.2	4807.4	4855.8	4888.0
5°	4262.3	4272.0	4272.0	4330.0	4368.7	4472.0	4571.9	4678.4	4686.4	4802.6	4891.2
7.5°	4009.1	4018.8	4012.3	4089.7	4139.7	4254.2	4381.6	4544.5	4560.7	4747.7	4902.5
10°	3810.8	3807.5	3823.7	3894.6	3959.1	4096.2	4238.1	4423.6	4447.8	4684.8	4915.4
12.5°	3675.3	3678.5	3688.2	3762.4	3831.7	3967.2	4113.9	4315.5	4341.3	4612.3	4909.0
15°	3610.8	3604.3	3612.4	3680.1	3746.2	3865.6	4017.2	4225.2	4251.0	4547.7	4910.6
17.5°	3596.3	3591.4	3589.8	3638.2	3688.2	3799.5	3944.6	4155.9	4183.3	4505.8	4920.3
20°	3641.4	3635.0	3617.2	3638.2	3659.2	3752.7	3893.0	4105.9	4136.5	4478.4	4939.6
22.5°	3765.6	3754.3	3726.9	3701.1	3673.7	3730.1	3860.7	4068.8	4099.4	4460.7	4959.0
25°	3954.3	3944.6	3915.6	3857.5	3757.5	3747.9	3854.3	4052.7	4083.3	4447.8	4967.0
27.5°	4213.9	4199.4	4170.4	4086.5	3923.6	3814.0	3878.5	4051.0	4080.1	4433.2	4959.0
30°	4521.9	4512.3	4496.1	4394.5	4176.8	3954.3	3933.3	4063.9	4086.5	4425.2	4942.9
32.5°	4834.8	4825.1	4838.0	4789.7	4521.9	4186.5	4052.7	4099.4	4115.6	4423.6	4928.3
35°	5110.6	5121.9	5215.4	5223.5	4960.6	4501.0	4241.3	4181.7	4184.9	4455.8	4934.8
37.5°	5399.2	5442.8	5565.3	5670.2	5450.8	4917.1	4521.9	4336.5	4333.3	4538.1	4975.1
40°	5781.4	5800.8	5957.2	6154.0	6016.9	5487.9	4920.3	4589.7	4567.1	4705.8	5083.2
42.5°	6154.0	6200.7	6450.7	6676.5	6631.3	6131.4	5421.8	4968.7	4928.3	5002.5	5305.7
45°	6628.1	6673.3	6953.9	7244.1	7326.4	6858.7	6063.7	5507.3	5467.0	5449.2	5713.7
47.5°	7102.2	7149.0	7400.6	7819.9	8108.5	7768.3	6899.0	6218.5	6152.4	6083.0	6329.8
50°	7421.5	7476.4	7716.7	8219.8	8897.1	8903.6	7889.2	7150.6	7066.8	6957.1	7197.4
52.5°	7410.3	7445.7	7674.7	8255.3	9464.8	10208.2	9214.8	8337.5	8269.8	8031.1	8240.8
55°	6828.1	6881.3	7111.9	7837.6	9526.1	11445.2	11162.9	9737.3	9616.4	9189.0	9419.6
57.5°	5658.9	5704.0	5936.3	6831.3	8982.6	12079.0	13636.8	11521.0	11354.9	10450.1	10716.2
60°	4272.0	4217.2	4326.8	5110.6	7682.8	12095.1	15820.4	13940.0	13662.6	11798.3	12020.9
62.5°	3206.0	3151.2	3175.4	3396.3	5208.9	11117.8	17065.3	17249.2	16791.2	13320.7	13277.2
65°	2533.5	2502.9	2572.2	2723.8	3036.7	8466.6	17075.0	20827.7	20539.1	15085.0	14565.7
67.5°	2064.2	2044.9	2115.8	2396.4	2462.6	4549.4	15310.8	22498.5	22611.3	17017.0	15760.7
70°	1662.7	1633.6	1744.9	2114.2	2290.0	2752.8	10967.8	21647.0	21829.2	18168.4	15423.6
72.5°	1148.2	1149.8	1206.3	1712.7	2211.0	2377.1	6204.0	18024.9	18420.0	17125.0	13559.4
75°	774.1	780.5	796.7	1130.5	2036.8	2306.1	3306.0	13646.5	13925.5	14154.5	11208.1
77.5°	467.7	470.9	508.0	683.8	1404.6	2152.9	2240.0	9892.2	10111.5	9330.9	6947.4
80°	270.9	282.2	316.1	458.0	948.3	1617.5	1733.6	6065.3	6313.6	4147.8	2207.8
82.5°	119.3	127.4	172.6	266.1	553.1	1375.6	1353.0	2396.4	2361.0	1156.3	766.0
85°	21.0	25.8	37.1	83.9	203.2	725.7	1049.9	1057.9	995.0	438.6	317.7
87.5°	0.0	0.0	0.0	0.0	0.0	4.8	158.0	283.8	282.2	124.2	109.7
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°	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8	4884.8
2.5°	4909.0	4865.4	4904.2	4909.0	4900.9	4894.5	4846.1	4804.2	4799.3	4754.2	4754.2
5°	4926.7	4886.4	4905.8	4868.7	4810.6	4750.9	4647.7	4576.8	4544.5	4486.5	4486.5
7.5°	4950.9	4909.0	4886.4	4794.5	4659.0	4528.4	4362.3	4223.6	4167.2	4084.9	4081.7
10°	4973.5	4920.3	4842.9	4663.9	4447.8	4239.7	3997.8	3801.1	3667.2	3568.9	3568.9
12.5°	4971.9	4902.5	4749.3	4484.9	4186.5	3884.9	3562.4	3265.7	3088.3	2935.1	2925.4
15°	4968.7	4873.5	4630.0	4276.8	3881.7	3464.0	3025.4	2638.3	2375.5	2225.5	2212.6
17.5°	4965.4	4836.4	4496.1	4039.8	3510.8	2941.5	2362.6	1943.3	1724.0	1632.0	1635.3
20°	4965.4	4794.5	4352.6	3767.2	3083.4	2315.8	1733.6	1428.8	1374.0	1378.8	1383.7
22.5°	4950.9	4742.9	4193.0	3470.5	2607.7	1703.0	1278.9	1175.6	1204.7	1249.8	1256.3
25°	4917.1	4657.4	4007.5	3141.5	2041.6	1240.1	1043.4	1024.0	1077.3	1133.7	1149.8
27.5°	4863.8	4559.0	3799.5	2756.1	1503.0	996.6	917.6	916.0	957.9	999.9	1014.4
30°	4807.4	4449.4	3580.1	2327.1	1088.6	867.6	837.0	837.0	857.9	883.7	880.5
32.5°	4741.3	4338.1	3344.7	1880.4	887.0	795.0	785.4	780.5	783.8	793.4	793.4
35°	4684.8	4239.7	3102.8	1407.9	795.0	754.7	745.1	733.8	728.9	722.5	725.7
37.5°	4663.9	4162.3	2852.8	1061.1	749.9	725.7	709.6	693.5	682.2	678.9	677.3
40°	4697.7	4130.1	2602.9	874.1	717.6	695.1	677.3	656.4	646.7	646.7	646.7
42.5°	4830.0	4154.3	2348.1	790.2	695.1	669.3	643.5	624.1	620.9	624.1	625.7
45°	5071.9	4247.8	2083.6	748.3	675.7	643.5	612.8	598.3	598.3	601.5	601.5
47.5°	5504.1	4492.9	1822.3	722.5	656.4	622.5	590.2	575.7	574.1	577.3	577.3
50°	6252.3	4934.8	1586.9	704.7	641.8	606.4	574.1	554.8	549.9	548.3	548.3
52.5°	7195.8	5700.8	1436.9	691.8	624.1	588.6	556.4	530.6	520.9	516.1	516.1
55°	8335.9	6721.6	1436.9	682.2	601.5	567.7	530.6	504.8	490.3	483.8	483.8
57.5°	9627.7	7910.2	1685.2	674.1	583.8	543.5	503.2	477.4	461.2	451.5	451.5
60°	10942.0	9166.5	2299.7	662.8	567.7	512.8	472.5	448.3	427.4	416.1	414.5
62.5°	12304.7	10550.1	3109.2	669.3	556.4	483.8	440.3	412.8	395.1	383.8	382.2
65°	13552.9	11867.7	3817.2	719.3	558.0	458.0	403.2	379.0	364.5	350.0	348.3
67.5°	14612.5	12595.0	3320.5	820.9	591.9	427.4	366.1	341.9	329.0	319.3	317.7
70°	13870.6	11485.5	1883.6	883.7	638.6	395.1	324.1	308.0	295.1	288.7	287.1
72.5°	11861.2	9724.4	1259.5	780.5	582.2	353.2	285.4	272.5	262.9	254.8	253.2
75°	9608.3	7711.8	962.8	640.2	453.2	287.1	245.1	235.5	225.8	217.7	216.1
77.5°	5684.7	4455.8	709.6	506.4	319.3	224.2	203.2	195.1	185.5	179.0	177.4
80°	1814.3	1548.2	449.9	348.3	211.3	172.6	156.4	150.0	140.3	132.2	130.6
82.5°	691.8	598.3	238.7	177.4	140.3	117.7	104.8	98.4	91.9	83.9	82.2
85°	306.4	287.1	132.2	95.1	75.8	58.1	51.6	48.4	40.3	33.9	32.3
87.5°	108.0	108.0	56.4	27.4	16.1	8.1	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)