

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: P636342

Luminaire Tested: GWS-SA3F-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636342  
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-SA3F-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

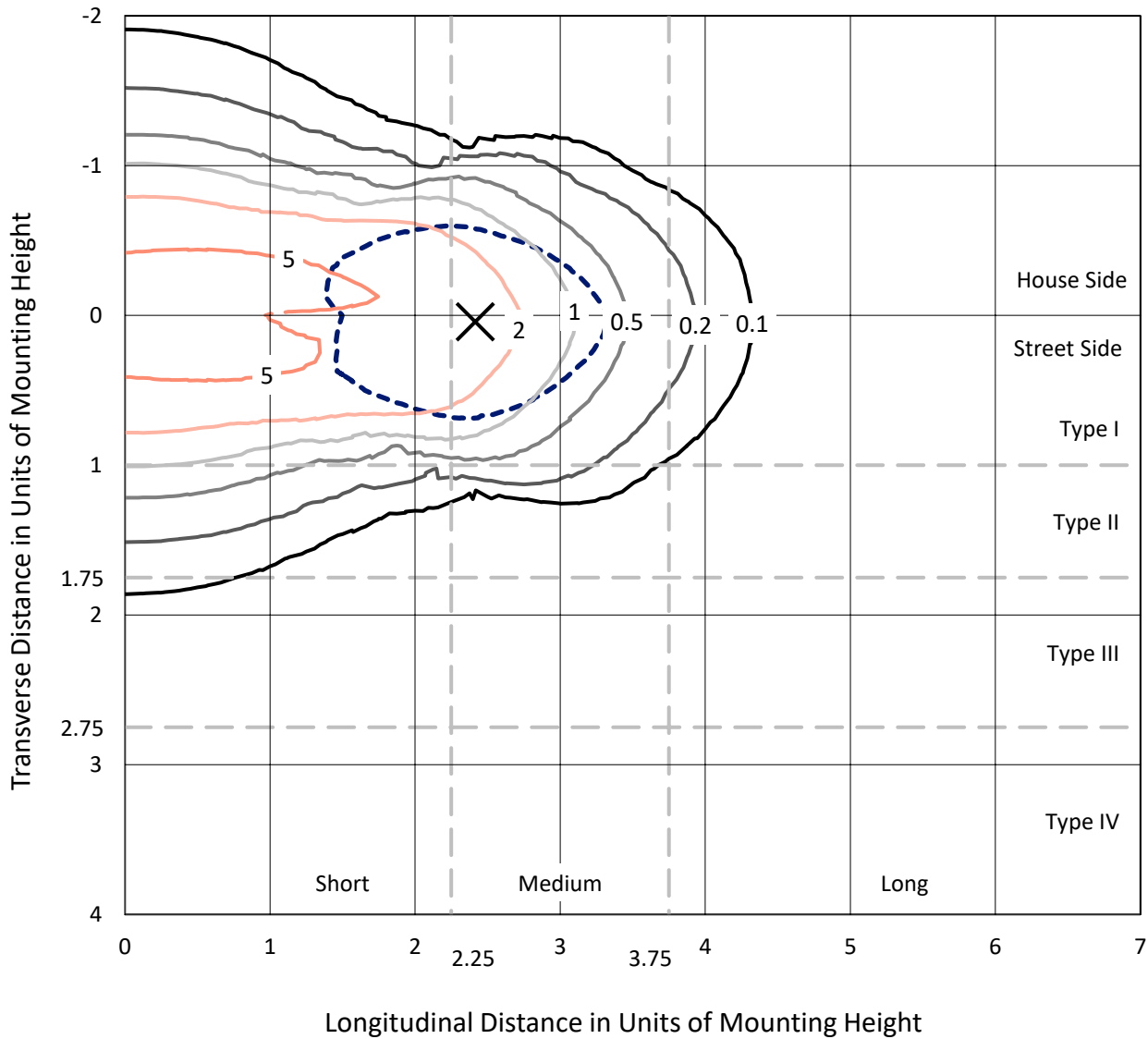
Lumens per Lamp: N/A  
Luminaire Lumens: 24965.2 lumens  
Efficiency: N/A  
Efficacy: 136.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

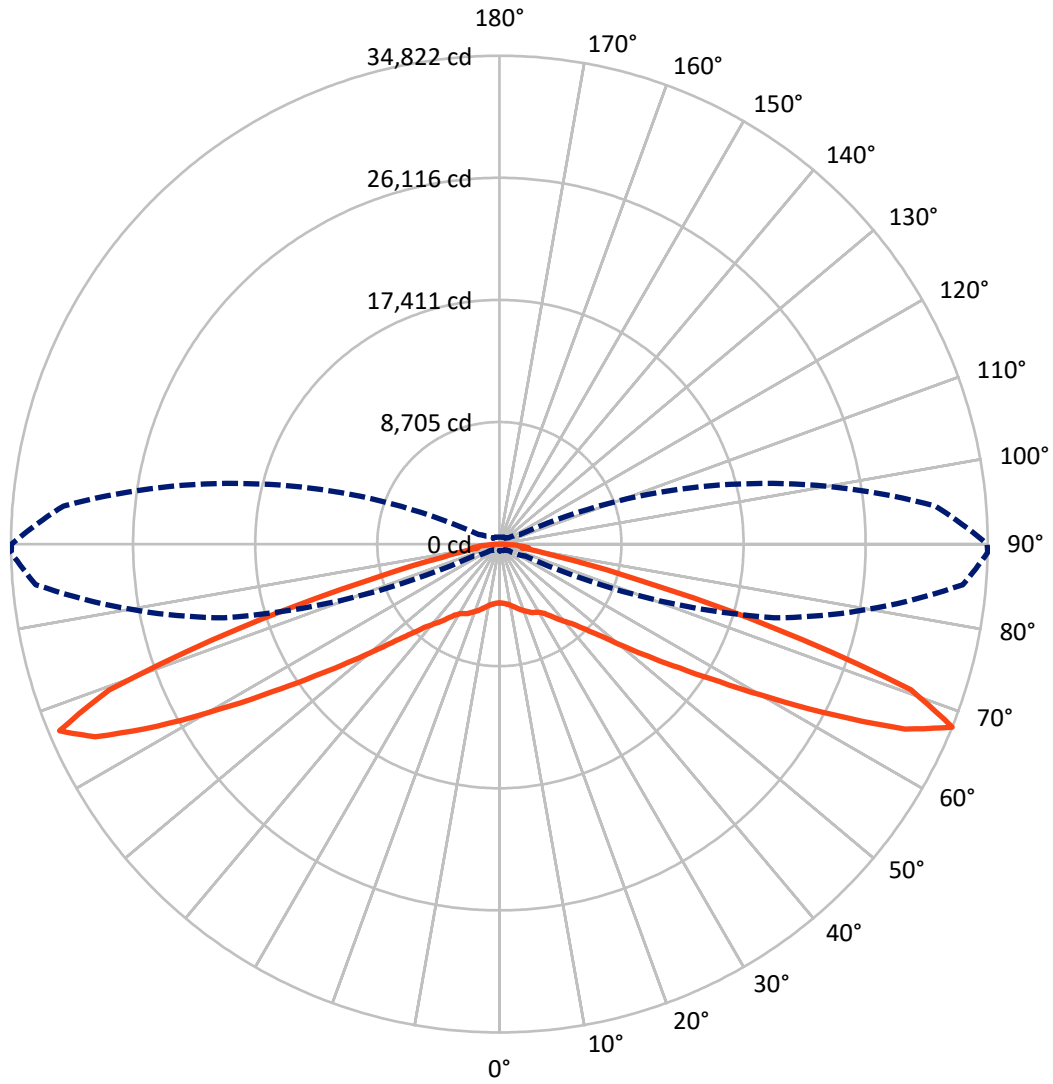
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type I - Medium - N/A

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CATALOG NUMBER: GWS-SA3F-750-U-T1-W

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA3F-750-U-T1-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12373.2	0.0	12373.2
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	12592.0	0.0	12592.0
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	24965.2	0.0	24965.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	420.3	1.7
10°-20°	1368.6	5.5
20°-30°	2313.5	9.3
30°-40°	3175.0	12.7
40°-50°	4048.9	16.2
50°-60°	5079.9	20.3
60°-70°	6126.8	24.5
70°-80°	2216.5	8.9
80°-90°	215.5	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°	24965.2	100.0
0°-180°	24965.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636342

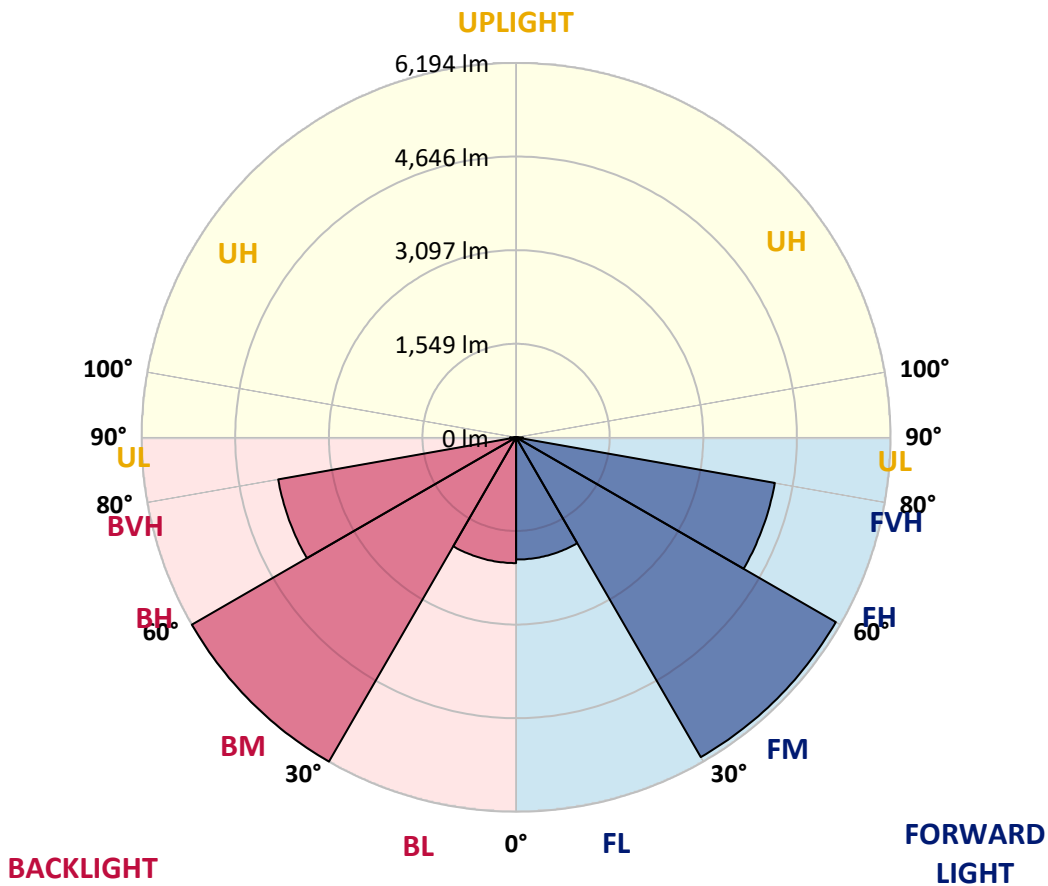
CATALOG NUMBER: GWS-SA3F-750-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2022.0	8.1			
FM (30°-60°)	6109.5	24.5			
FH (60°-80°)	4346.8	17.4			G2/5000
FVH (80°-90°)	113.7	0.5			G2/225
BL (0°-30°)	2080.5	8.3	B3/2500		
BM (30°-60°)	6194.4	24.8	B4/8500		
BH (60°-80°)	3996.5	16.0	B4/5000		G4/5000
BVH (80°-90°)	101.8	0.4			G2/225
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2
2.5°	4202.8	4199.2	4190.2	4217.1	4211.7	4213.5	4224.3	4217.1	4204.6	4183.0	4213.5
5°	4321.1	4319.3	4299.6	4315.7	4297.8	4285.2	4283.4	4265.5	4251.2	4227.9	4260.1
7.5°	4435.8	4434.1	4417.9	4446.6	4432.3	4417.9	4401.8	4365.9	4331.9	4297.8	4333.6
10°	4523.7	4521.9	4518.3	4559.6	4563.1	4568.5	4561.4	4500.4	4441.2	4400.0	4435.8
12.5°	4573.9	4579.3	4588.3	4663.6	4701.2	4737.1	4746.0	4695.8	4597.2	4538.0	4581.1
15°	4539.8	4550.6	4595.4	4731.7	4835.7	4916.4	4950.4	4909.2	4781.9	4683.3	4731.7
17.5°	4376.7	4385.6	4473.5	4681.5	4911.0	5097.5	5153.0	5127.9	4986.3	4866.2	4912.8
20°	4150.8	4170.5	4265.5	4556.0	4898.4	5223.0	5371.8	5362.8	5208.6	5023.9	5079.5
22.5°	3946.4	3969.7	4070.1	4391.0	4814.2	5255.2	5592.3	5615.6	5411.2	5181.7	5226.6
25°	3716.9	3738.4	3867.5	4195.6	4668.9	5230.1	5780.6	5886.4	5640.7	5362.8	5404.1
27.5°	3482.0	3498.1	3625.4	3975.0	4478.9	5183.5	5929.4	6184.0	5866.6	5488.3	5517.0
30°	3275.8	3297.3	3413.8	3754.5	4270.9	5090.3	6051.3	6501.4	6126.6	5630.0	5653.3
32.5°	3076.8	3094.7	3222.0	3537.6	4050.4	4946.8	6160.7	6874.3	6512.1	5893.5	5893.5
35°	2825.7	2858.0	3001.5	3329.6	3842.4	4756.8	6239.6	7308.2	7039.3	6282.6	6284.4
37.5°	2594.5	2612.4	2763.0	3094.7	3623.6	4541.6	6246.8	7758.2	7706.3	6777.5	6781.1
40°	2330.9	2354.2	2515.6	2843.7	3372.6	4315.7	6178.6	8177.8	8405.5	7286.7	7267.0
42.5°	2063.7	2097.8	2252.0	2572.9	3101.9	4039.6	5997.5	8577.6	9293.0	7876.6	7828.2
45°	1805.5	1827.1	1981.2	2284.3	2791.7	3709.7	5707.1	8961.3	10347.3	8773.1	8703.2
47.5°	1515.1	1524.0	1683.6	1974.1	2470.7	3342.1	5291.1	9303.8	11505.6	9960.0	9839.9
50°	1256.9	1269.4	1394.9	1644.2	2078.1	2906.4	4772.9	9504.6	12981.2	11579.1	11371.1
52.5°	1016.6	1029.2	1129.6	1328.6	1717.7	2409.8	4131.0	9458.0	14478.4	13589.0	13286.0
55°	821.2	830.2	898.3	1054.3	1351.9	1916.7	3372.6	9040.2	16140.5	16214.0	15561.3
57.5°	693.9	697.5	744.1	839.1	1056.1	1477.4	2603.4	8054.1	17883.2	19563.3	18491.1
60°	620.4	622.2	643.7	702.9	833.7	1127.8	1907.7	6483.4	19688.8	23753.5	22283.2
62.5°	573.8	573.8	591.7	625.8	692.1	867.8	1402.1	4656.4	20985.1	28313.0	26851.8
65°	528.9	528.9	541.5	570.2	606.0	708.2	1052.5	3003.3	21621.6	32124.9	31800.4
67.5°	471.6	473.3	482.3	512.8	545.1	591.7	797.9	2031.5	20300.2	33179.2	34821.6
70°	417.8	419.6	432.1	451.8	478.7	511.0	624.0	1400.3	14776.0	27633.5	31135.2
72.5°	358.6	365.8	374.7	396.2	412.4	435.7	509.2	907.3	8597.4	17775.7	20581.7
75°	294.0	303.0	313.8	335.3	346.0	355.0	419.6	647.3	4136.4	9008.0	10257.7
77.5°	227.7	236.7	249.2	268.9	276.1	286.9	320.9	468.0	1981.2	3993.0	4305.0
80°	152.4	156.0	166.7	190.1	202.6	209.8	236.7	319.2	860.6	1602.9	1588.6
82.5°	93.2	95.0	98.6	113.0	118.3	125.5	154.2	195.4	410.6	1821.7	2088.8
85°	34.1	32.3	30.5	39.4	46.6	53.8	71.7	98.6	179.3	1251.5	1400.3
87.5°	0.0	0.0	0.0	1.8	3.6	3.6	7.2	14.3	43.0	468.0	320.9
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°	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2
2.5°	4204.6	4184.8	4209.9	4227.9	4267.3	4281.6	4285.2	4272.7	4272.7	4251.2	4254.8
5°	4253.0	4240.4	4281.6	4312.1	4369.5	4391.0	4405.4	4396.4	4401.8	4387.4	4391.0
7.5°	4326.5	4315.7	4387.4	4446.6	4505.8	4530.9	4543.4	4536.3	4538.0	4520.1	4525.5
10°	4428.7	4432.3	4518.3	4595.4	4674.3	4699.4	4704.8	4683.3	4665.3	4633.1	4634.9
12.5°	4568.5	4586.5	4708.4	4794.4	4875.1	4911.0	4871.5	4792.7	4719.1	4663.6	4656.4
15°	4720.9	4753.2	4928.9	5038.3	5126.1	5108.2	4991.7	4814.2	4668.9	4586.5	4570.3
17.5°	4903.8	4952.2	5172.8	5303.7	5379.0	5264.2	5020.4	4755.0	4552.4	4441.2	4419.7
20°	5075.9	5153.0	5431.0	5601.3	5610.3	5352.1	5007.8	4634.9	4380.3	4244.0	4215.3
22.5°	5233.7	5332.3	5701.7	5918.6	5802.1	5391.5	4930.7	4464.5	4172.3	4012.7	3987.6
25°	5405.9	5545.7	6017.3	6219.9	5994.0	5375.4	4769.3	4253.0	3921.3	3758.1	3740.2
27.5°	5524.2	5699.9	6334.6	6528.3	6151.7	5283.9	4561.4	4021.7	3691.8	3537.6	3512.5
30°	5660.5	5884.6	6684.3	6863.5	6248.6	5149.5	4339.0	3806.5	3478.4	3311.6	3293.7
32.5°	5907.9	6189.4	7118.2	7218.6	6279.0	4982.7	4125.7	3598.5	3256.1	3089.3	3064.2
35°	6305.9	6635.8	7727.8	7614.8	6255.7	4799.8	3923.1	3354.7	3028.4	2872.4	2847.3
37.5°	6808.0	7218.6	8407.3	7971.6	6191.2	4599.0	3682.8	3150.3	2824.0	2666.2	2651.8
40°	7275.9	7781.6	9169.3	8280.0	6060.3	4351.6	3451.5	2936.9	2603.4	2436.7	2404.4
42.5°	7862.2	8534.6	10051.5	8547.2	5845.1	4055.7	3191.5	2673.3	2327.3	2176.7	2137.2
45°	8753.4	9588.9	11077.1	8803.6	5524.2	3691.8	2865.2	2352.4	2024.3	1870.1	1839.6
47.5°	9865.0	10906.7	12188.7	8956.0	5036.5	3308.1	2495.8	2013.5	1685.4	1511.5	1497.1
50°	11426.7	12823.4	13381.1	8929.1	4491.4	2852.6	2079.9	1610.1	1335.8	1210.3	1190.5
52.5°	13329.1	15229.6	14670.2	8606.3	3912.3	2334.5	1620.9	1264.1	1059.7	970.0	953.9
55°	15715.5	18110.9	16027.5	7914.2	3180.8	1787.6	1273.0	996.9	857.0	803.3	796.1
57.5°	18670.4	21842.2	17334.6	6748.8	2391.8	1364.5	980.8	823.0	756.6	724.4	722.6
60°	22570.1	25802.9	18469.5	5244.5	1712.3	1043.5	810.4	735.1	683.1	661.6	659.8
62.5°	27206.8	29399.6	19176.0	3571.6	1287.4	831.9	713.6	667.0	636.5	624.0	622.2
65°	31972.5	31673.1	18838.9	2339.8	977.2	706.4	640.1	615.0	588.1	575.5	575.5
67.5°	34787.5	31192.6	16251.6	1624.4	774.6	620.4	577.3	554.0	509.2	498.5	498.5
70°	30812.5	25275.7	10652.1	1188.7	627.5	543.3	502.0	469.8	451.8	441.1	439.3
72.5°	20379.1	16447.1	5664.0	824.8	523.6	462.6	424.9	412.4	390.9	380.1	378.3
75°	10142.9	8638.6	2902.8	595.3	435.7	371.1	355.0	349.6	331.7	317.4	313.8
77.5°	4227.9	3846.0	1353.7	432.1	331.7	299.4	285.1	285.1	265.4	249.2	242.1
80°	1594.0	1420.0	640.1	295.8	245.6	222.3	213.4	206.2	190.1	170.3	159.6
82.5°	2131.9	1393.1	313.8	184.7	161.4	143.4	130.9	125.5	116.5	107.6	100.4
85°	1380.6	989.7	141.6	95.0	80.7	61.0	53.8	50.2	44.8	39.4	35.9
87.5°	281.5	331.7	43.0	17.9	10.8	5.4	5.4	1.8	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)