

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: P636217

Luminaire Tested: GWS-SA3F-735-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636217
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-SA3F-735-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23698 lumens
Efficiency: N/A
Efficacy: 129.4 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

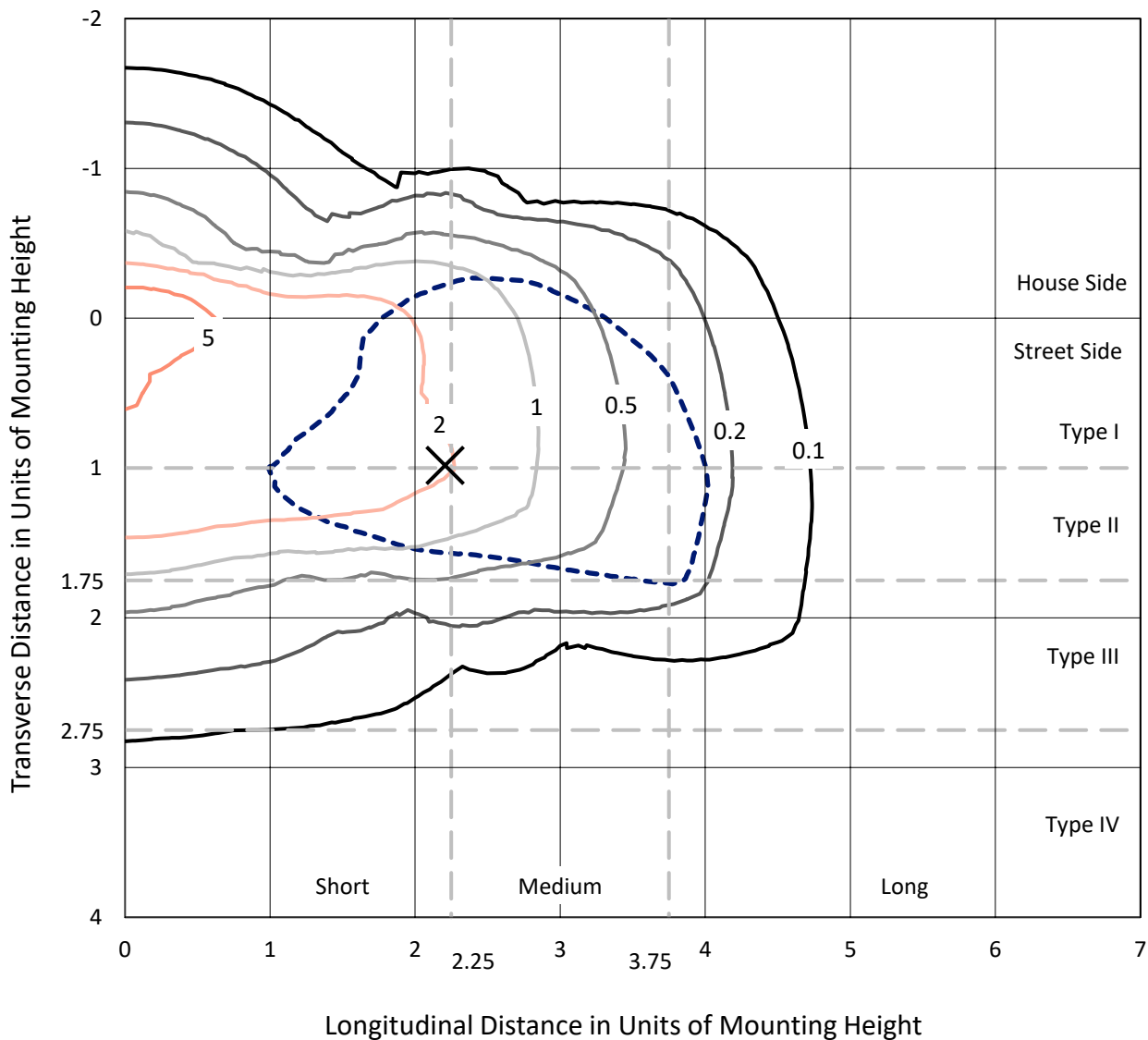
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

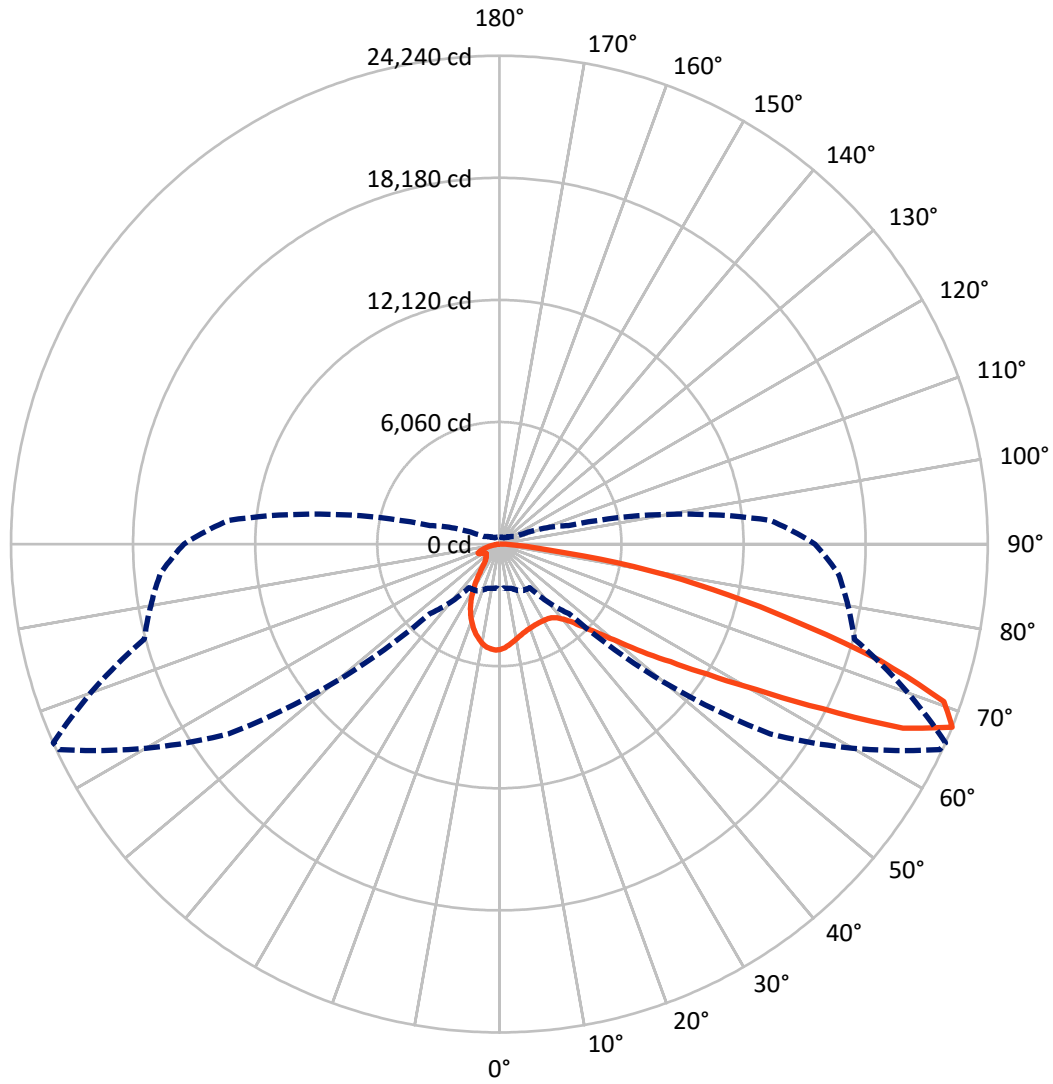
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Short - N/A

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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	4808.9	0.0	4808.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	18889.1	0.0	18889.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	23698.0	0.0	23698.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.6	1.9
10°-20°	1129.5	4.8
20°-30°	1552.5	6.6
30°-40°	2122.5	9.0
40°-50°	3216.1	13.6
50°-60°	4999.6	21.1
60°-70°	6086.9	25.7
70°-80°	3707.8	15.6
80°-90°	423.5	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°	23698.0	100.0
0°-180°	23698.0	100.0

Coefficient of Utilization



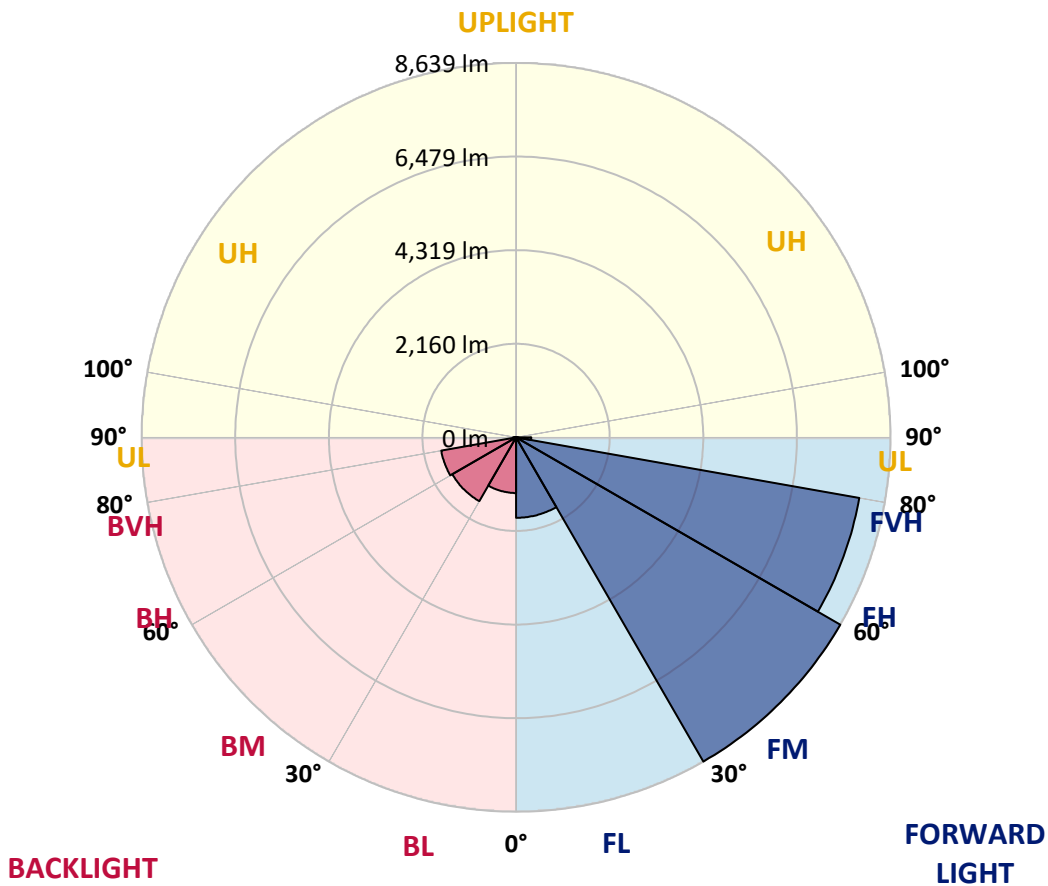
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1856.8	7.8			
FM (30°-60°)	8638.8	36.5			
FH (60°-80°)	8041.3	33.9			G4/12000
FVH (80°-90°)	352.1	1.5			G3/500
BL (0°-30°)	1284.7	5.4	B3/2500		
BM (30°-60°)	1699.4	7.2	B2/2500		
BH (60°-80°)	1753.4	7.4	B3/2500		G3/2500
BVH (80°-90°)	71.4	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°	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6
2.5°	4904.7	4921.9	4911.6	4977.3	4980.7	5063.7	5110.4	5150.1	5153.6	5205.5	5240.0
5°	4569.3	4579.6	4579.6	4641.9	4683.4	4794.0	4901.2	5015.3	5023.9	5148.4	5243.5
7.5°	4297.8	4308.2	4301.3	4384.3	4437.9	4560.6	4697.2	4871.8	4889.1	5089.6	5255.6
10°	4085.2	4081.7	4099.0	4175.1	4244.2	4391.2	4543.3	4742.1	4768.1	5022.2	5269.4
12.5°	3940.0	3943.4	3953.8	4033.3	4107.7	4252.9	4410.2	4626.3	4654.0	4944.4	5262.5
15°	3870.8	3863.9	3872.5	3945.2	4016.0	4144.0	4306.5	4529.5	4557.2	4875.3	5264.2
17.5°	3855.3	3850.1	3848.3	3900.2	3953.8	4073.1	4228.7	4455.2	4484.6	4830.3	5274.6
20°	3903.7	3896.8	3877.7	3900.2	3922.7	4023.0	4173.4	4401.6	4434.4	4800.9	5295.4
22.5°	4036.8	4024.7	3995.3	3967.6	3938.2	3998.8	4138.8	4361.8	4394.7	4781.9	5316.1
25°	4239.1	4228.7	4197.6	4135.3	4028.1	4017.8	4131.9	4344.5	4377.4	4768.1	5324.8
27.5°	4517.4	4501.8	4470.7	4380.8	4206.2	4088.7	4157.8	4342.8	4373.9	4752.5	5316.1
30°	4847.6	4837.2	4819.9	4711.0	4477.6	4239.1	4216.6	4356.6	4380.8	4743.9	5298.8
32.5°	5183.0	5172.6	5186.4	5134.6	4847.6	4488.0	4344.5	4394.7	4411.9	4742.1	5283.3
35°	5478.6	5490.7	5591.0	5599.6	5317.8	4825.1	4546.8	4482.8	4486.3	4776.7	5290.2
37.5°	5788.1	5834.8	5966.1	6078.5	5843.4	5271.2	4847.6	4648.8	4645.3	4864.9	5333.4
40°	6197.8	6218.6	6386.2	6597.2	6450.2	5883.2	5274.6	4920.2	4896.0	5044.7	5449.2
42.5°	6597.2	6647.3	6915.3	7157.3	7108.9	6573.0	5812.3	5326.5	5283.3	5362.8	5687.8
45°	7105.4	7153.8	7454.7	7765.8	7854.0	7352.7	6500.4	5903.9	5860.7	5841.7	6125.2
47.5°	7613.7	7663.8	7933.5	8383.0	8692.5	8327.7	7395.9	6666.3	6595.4	6521.1	6785.6
50°	7956.0	8014.8	8272.4	8811.8	9537.9	9544.8	8457.4	7665.6	7575.7	7458.1	7715.7
52.5°	7943.9	7981.9	8227.4	8849.8	10146.4	10943.4	9878.5	8938.0	8865.4	8609.5	8834.3
55°	7319.8	7376.9	7624.1	8402.0	10212.1	12269.4	11966.9	10438.6	10308.9	9850.8	10098.0
57.5°	6066.4	6114.8	6363.8	7323.3	9629.5	12948.8	14618.9	12350.7	12172.6	11202.7	11488.0
60°	4579.6	4520.9	4638.4	5478.6	8236.1	12966.1	16959.7	14943.9	14646.5	12648.0	12886.6
62.5°	3436.9	3378.1	3404.0	3640.9	5584.1	11918.5	18294.3	18491.4	18000.4	14280.0	14233.3
65°	2716.0	2683.1	2757.5	2920.0	3255.4	9076.3	18304.7	22327.7	22018.2	16171.3	15614.7
67.5°	2212.9	2192.1	2268.2	2569.0	2639.9	4877.0	16413.4	24118.7	24239.7	18242.5	16895.7
70°	1782.4	1751.3	1870.6	2266.5	2454.9	2951.1	11757.7	23205.9	23401.3	19476.8	16534.4
72.5°	1230.9	1232.6	1293.2	1836.0	2370.2	2548.3	6650.8	19323.0	19746.5	18358.3	14535.9
75°	829.8	836.7	854.0	1211.9	2183.5	2472.2	3544.1	14629.2	14928.3	15173.8	12015.3
77.5°	501.4	504.8	544.6	733.0	1505.8	2308.0	2401.3	10604.6	10839.7	10002.9	7447.7
80°	290.4	302.5	338.8	491.0	1016.5	1734.0	1858.5	6502.1	6768.3	4446.5	2366.7
82.5°	127.9	136.6	185.0	285.3	593.0	1474.7	1450.5	2569.0	2531.0	1239.6	821.2
85°	22.5	27.7	39.8	89.9	217.8	778.0	1125.5	1134.1	1066.7	470.2	340.6
87.5°	0.0	0.0	0.0	0.0	0.0	5.2	169.4	304.3	302.5	133.1	117.6
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°	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6	5236.6
2.5°	5262.5	5215.8	5257.3	5262.5	5253.9	5247.0	5195.1	5150.1	5145.0	5096.6	5096.6
5°	5281.5	5238.3	5259.1	5219.3	5157.1	5093.1	4982.4	4906.4	4871.8	4809.6	4809.6
7.5°	5307.5	5262.5	5238.3	5139.8	4994.6	4854.5	4676.4	4527.8	4467.3	4379.1	4375.6
10°	5331.7	5274.6	5191.6	4999.7	4768.1	4545.1	4285.7	4074.8	3931.3	3825.9	3825.9
12.5°	5329.9	5255.6	5091.4	4807.8	4488.0	4164.7	3819.0	3500.9	3310.7	3146.4	3136.1
15°	5326.5	5224.5	4963.4	4584.8	4161.3	3713.5	3243.3	2828.3	2546.5	2385.8	2371.9
17.5°	5323.0	5184.7	4819.9	4330.7	3763.6	3153.4	2532.7	2083.2	1848.1	1749.6	1753.0
20°	5323.0	5139.8	4666.1	4038.5	3305.5	2482.6	1858.5	1531.7	1473.0	1478.1	1483.3
22.5°	5307.5	5084.4	4494.9	3720.4	2795.5	1825.6	1371.0	1260.3	1291.4	1339.8	1346.7
25°	5271.2	4992.8	4296.1	3367.7	2188.7	1329.5	1118.5	1097.8	1154.8	1215.4	1232.6
27.5°	5214.1	4887.4	4073.1	2954.5	1611.3	1068.4	983.7	982.0	1026.9	1071.9	1087.4
30°	5153.6	4769.8	3838.0	2494.7	1167.0	930.1	897.3	897.3	919.7	947.4	943.9
32.5°	5082.7	4650.5	3585.6	2015.8	950.8	852.3	841.9	836.7	840.2	850.6	850.6
35°	5022.2	4545.1	3326.2	1509.3	852.3	809.1	798.7	786.6	781.4	774.5	778.0
37.5°	4999.7	4462.1	3058.3	1137.6	803.9	778.0	760.7	743.4	731.3	727.8	726.1
40°	5036.0	4427.5	2790.3	937.0	769.3	745.1	726.1	703.6	693.3	693.3	693.3
42.5°	5177.8	4453.4	2517.2	847.1	745.1	717.5	689.8	669.1	665.6	669.1	670.8
45°	5437.1	4553.7	2233.6	802.2	724.4	689.8	657.0	641.4	641.4	644.8	644.8
47.5°	5900.5	4816.5	1953.6	774.5	703.6	667.3	632.7	617.2	615.5	618.9	618.9
50°	6702.6	5290.2	1701.2	755.5	688.1	650.0	615.5	594.7	589.5	587.8	587.8
52.5°	7714.0	6111.4	1540.4	741.7	669.1	631.0	596.4	568.8	558.4	553.2	553.2
55°	8936.3	7205.7	1540.4	731.3	644.8	608.5	568.8	541.1	525.6	518.6	518.6
57.5°	10321.0	8479.8	1806.6	722.6	625.8	582.6	539.4	511.7	494.4	484.1	484.1
60°	11730.0	9826.6	2465.3	710.5	608.5	549.8	506.5	480.6	458.1	446.0	444.3
62.5°	13190.9	11309.9	3333.2	717.5	596.4	518.6	472.0	442.6	423.6	411.5	409.7
65°	14529.0	12722.4	4092.1	771.1	598.2	491.0	432.2	406.3	390.7	375.2	373.4
67.5°	15664.8	13502.1	3559.6	880.0	634.5	458.1	392.4	366.5	352.7	342.3	340.6
70°	14869.6	12312.6	2019.3	947.4	684.6	423.6	347.5	330.2	316.4	309.5	307.7
72.5°	12715.4	10424.8	1350.2	836.7	624.1	378.6	306.0	292.2	281.8	273.2	271.4
75°	10300.3	8267.2	1032.1	686.3	485.8	307.7	262.8	252.4	242.0	233.4	231.7
77.5°	6094.1	4776.7	760.7	542.8	342.3	240.3	217.8	209.2	198.8	191.9	190.2
80°	1944.9	1659.7	482.3	373.4	226.5	185.0	167.7	160.8	150.4	141.8	140.0
82.5°	741.7	641.4	255.9	190.2	150.4	126.2	112.4	105.5	98.5	89.9	88.2
85°	328.5	307.7	141.8	102.0	81.3	62.2	55.3	51.9	43.2	36.3	34.6
87.5°	115.8	115.8	60.5	29.4	17.3	8.6	5.2	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)