

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: P636354

Luminaire Tested: GWS-SA3F-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25027.9 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

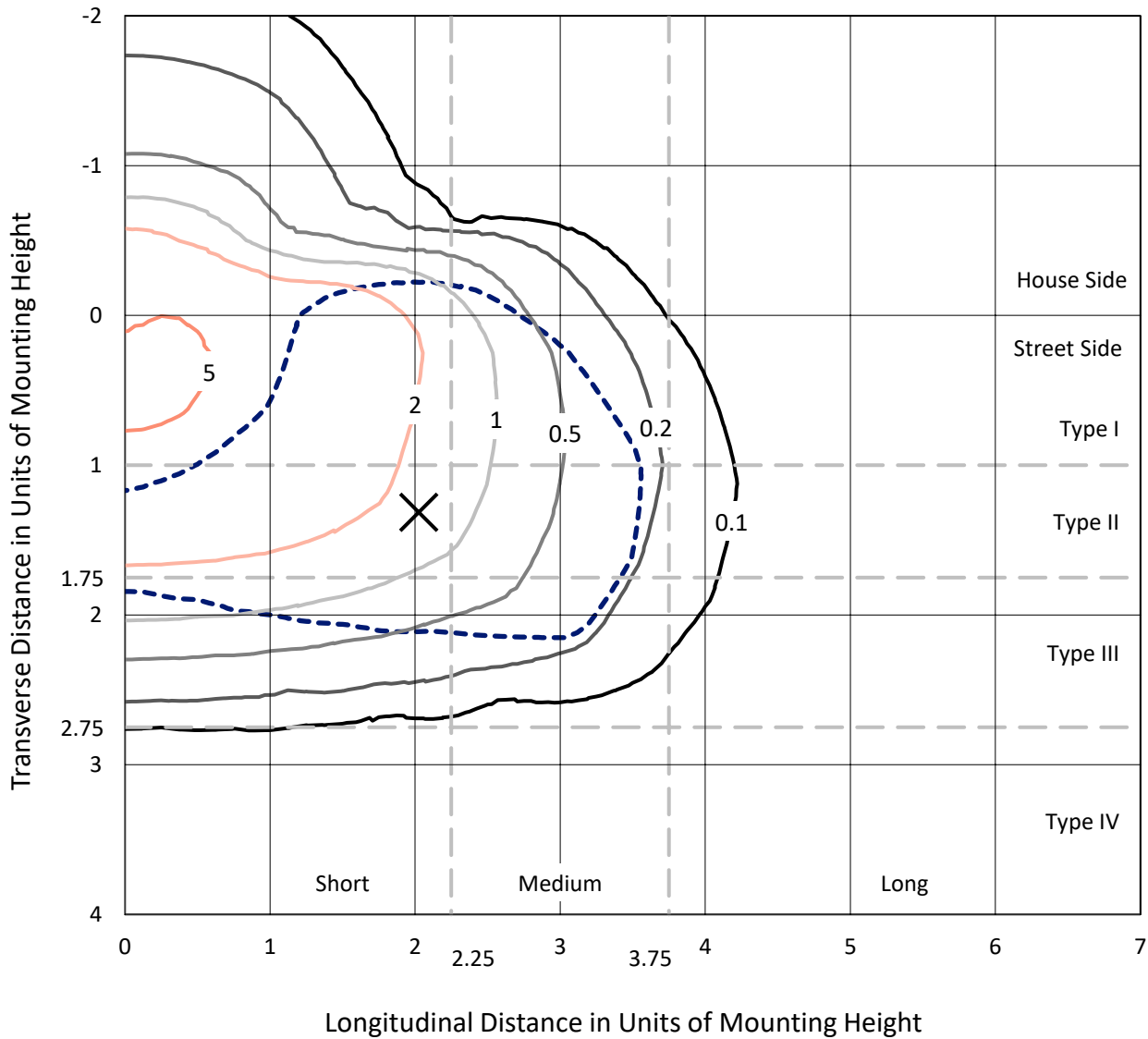
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

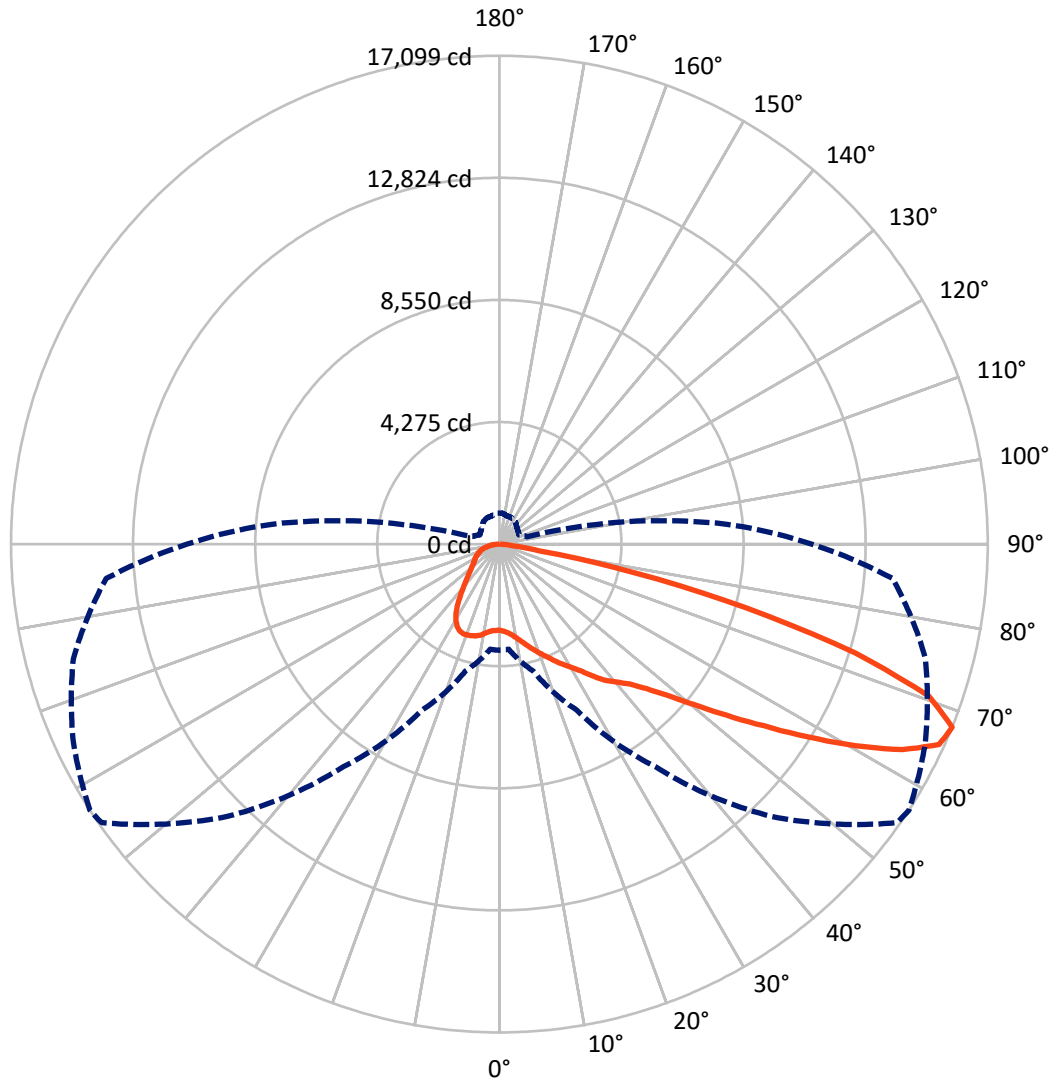
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5502.7	0.0	5502.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19525.2	0.0	19525.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	25027.9	0.0	25027.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.1	1.2
10°-20°	990.2	4.0
20°-30°	1765.3	7.1
30°-40°	2566.4	10.3
40°-50°	3714.5	14.8
50°-60°	5813.1	23.2
60°-70°	6781.4	27.1
70°-80°	2830.8	11.3
80°-90°	267.1	1.1
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°	25027.9	100.0
0°-180°	25027.9	100.0

Coefficient of Utilization



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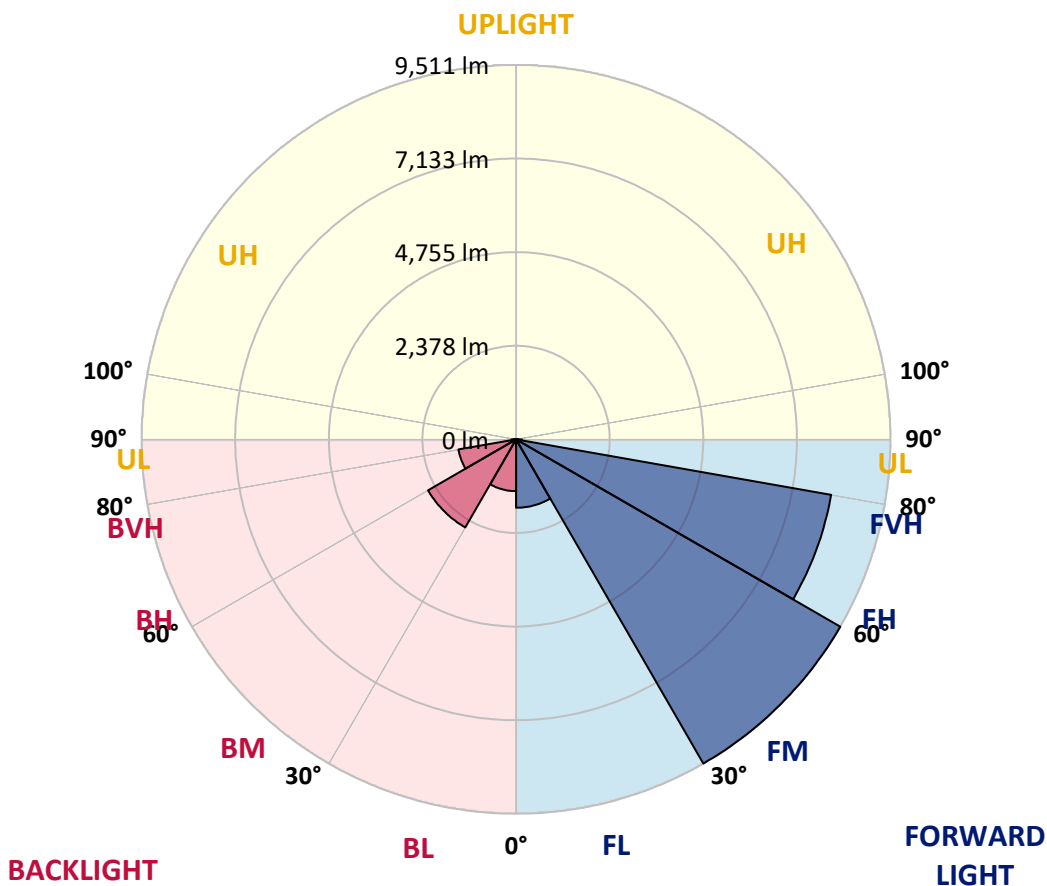
CATALOG NUMBER: GWS-SA3F-750-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1738.4	6.9			
FM (30°-60°)	9511.0	38.0			
FH (60°-80°)	8127.0	32.5			G4/12000
FVH (80°-90°)	148.8	0.6			G2/225
BL (0°-30°)	1316.1	5.3	B3/2500		
BM (30°-60°)	2583.1	10.3	B3/5000		
BH (60°-80°)	1485.2	5.9	B3/2500		G3/2500
BVH (80°-90°)	118.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7
2.5°	3058.7	3055.1	3053.3	3064.1	3060.5	3058.7	3058.7	3056.9	3053.3	3039.0	3019.3
5°	3143.0	3135.8	3128.6	3137.6	3130.4	3123.3	3121.5	3117.9	3105.3	3083.8	3053.3
7.5°	3230.8	3223.7	3225.5	3230.8	3225.5	3221.9	3216.5	3212.9	3193.2	3159.1	3117.9
10°	3354.6	3354.6	3358.1	3363.5	3365.3	3359.9	3349.2	3343.8	3320.5	3277.5	3220.1
12.5°	3533.8	3530.3	3530.3	3526.7	3532.1	3526.7	3515.9	3507.0	3478.3	3422.7	3340.2
15°	3770.5	3756.2	3743.6	3720.3	3713.1	3693.4	3697.0	3691.6	3664.7	3589.4	3485.4
17.5°	4023.3	4021.5	4001.8	3955.2	3908.6	3876.3	3883.5	3881.7	3867.3	3765.1	3632.5
20°	4245.6	4254.6	4236.7	4200.8	4138.1	4077.1	4073.5	4082.5	4064.5	3962.4	3777.7
22.5°	4494.9	4487.7	4469.7	4423.1	4376.5	4312.0	4290.5	4283.3	4276.1	4159.6	3926.5
25°	4731.5	4753.0	4729.7	4686.7	4615.0	4545.1	4527.1	4534.3	4514.6	4360.4	4086.1
27.5°	5030.9	5039.9	5025.6	4966.4	4905.4	4806.8	4772.8	4772.8	4765.6	4548.6	4211.6
30°	5350.1	5375.2	5350.1	5301.7	5238.9	5097.3	5023.8	5016.6	4995.1	4742.3	4358.6
32.5°	5671.0	5688.9	5671.0	5624.4	5552.7	5429.0	5323.2	5307.0	5278.4	4953.8	4509.2
35°	5956.1	5972.2	5968.6	5979.4	5920.2	5764.2	5699.7	5692.5	5617.2	5229.9	4713.6
37.5°	6268.0	6287.8	6260.9	6282.4	6259.1	6112.1	6092.3	6056.5	5948.9	5489.9	4928.7
40°	6623.0	6641.0	6597.9	6606.9	6580.0	6497.5	6397.1	6348.7	6189.2	5771.4	5267.6
42.5°	7003.1	7044.4	7064.1	7048.0	6985.2	6938.6	6762.9	6701.9	6569.3	6278.8	5825.2
45°	7553.6	7614.5	7643.2	7602.0	7575.1	7508.7	7293.6	7220.1	7150.2	6994.2	6603.3
47.5°	8147.0	8202.6	8294.0	8312.0	8333.5	8283.3	7980.3	7908.6	7921.1	7903.2	7560.7
50°	8620.4	8667.0	8873.2	9093.7	9276.6	9290.9	8903.6	8826.5	8894.7	8952.0	8713.6
52.5°	8964.6	9005.8	9278.4	9733.8	10147.9	10454.5	10036.8	9948.9	10004.5	10133.6	10024.2
55°	9244.3	9301.7	9586.7	10286.0	11123.3	11607.4	11340.2	11229.1	11205.8	11365.3	11428.1
57.5°	9391.3	9409.2	9809.1	10718.1	11838.7	12738.7	12855.2	12729.7	12507.4	12595.3	12921.6
60°	9056.0	9086.5	9633.4	10829.2	12403.4	13861.1	14445.6	14341.6	13868.2	13916.6	14277.0
62.5°	8129.1	8172.1	8830.1	10300.3	12450.0	14610.5	15914.0	15847.6	15212.9	14951.2	15058.7
65°	6520.9	6535.2	7216.5	8991.5	11523.1	14703.7	16937.7	16921.6	16152.4	15539.2	15078.5
67.5°	3718.5	3693.4	4604.2	6413.3	9509.6	13491.7	17004.1	17099.1	16457.2	15442.4	13823.4
70°	1611.8	1615.4	2035.0	3164.5	6155.1	10904.5	15793.8	15957.0	15575.1	13830.6	10997.8
72.5°	745.9	756.6	937.7	1369.8	2628.4	6764.7	12878.5	13025.6	12697.5	11069.5	8001.8
75°	527.1	536.1	625.7	785.3	1208.4	2635.6	8615.0	8923.4	9082.9	8279.7	5273.0
77.5°	399.8	412.4	457.2	545.0	745.9	934.1	4121.9	4857.0	5785.8	5151.1	2716.3
80°	254.6	254.6	303.0	364.0	455.4	485.9	1190.5	1411.0	2831.0	2122.8	1066.8
82.5°	172.1	177.5	206.2	231.3	261.8	276.1	511.0	545.0	817.6	722.5	439.3
85°	91.4	95.0	107.6	105.8	125.5	109.4	215.2	213.4	299.4	328.1	166.7
87.5°	0.0	0.0	1.8	1.8	3.6	5.4	23.3	25.1	62.8	100.4	55.6
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°	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7	3015.7
2.5°	3030.0	3008.5	3019.3	3015.7	3026.4	3026.4	3006.7	3001.3	3003.1	2981.6	2974.5
5°	3056.9	3031.8	3037.2	3030.0	3040.8	3049.8	3040.8	3040.8	3051.5	3035.4	3026.4
7.5°	3117.9	3089.2	3089.2	3080.2	3092.8	3100.0	3092.8	3103.5	3123.3	3107.1	3098.2
10°	3214.7	3180.6	3182.4	3171.7	3177.1	3173.5	3144.8	3135.8	3141.2	3126.9	3119.7
12.5°	3340.2	3293.6	3293.6	3272.1	3259.5	3221.9	3162.7	3141.2	3144.8	3132.2	3126.9
15°	3460.3	3417.3	3408.3	3365.3	3307.9	3238.0	3184.2	3169.9	3173.5	3160.9	3152.0
17.5°	3602.0	3546.4	3514.1	3435.2	3329.5	3257.7	3203.9	3169.9	3141.2	3112.5	3105.3
20°	3732.9	3662.9	3603.8	3481.9	3352.8	3254.1	3153.7	3069.5	2999.6	2961.9	2952.9
22.5°	3867.3	3777.7	3673.7	3514.1	3351.0	3189.6	3004.9	2877.6	2773.6	2718.1	2728.8
25°	3994.6	3881.7	3740.0	3544.6	3293.6	3046.2	2795.2	2605.1	2486.8	2443.8	2431.2
27.5°	4100.4	3960.6	3801.0	3530.3	3175.3	2840.0	2508.3	2296.7	2182.0	2133.6	2121.0
30°	4218.7	4061.0	3888.8	3463.9	2988.8	2551.3	2183.8	2011.7	1929.2	1882.6	1884.4
32.5°	4355.0	4190.1	4012.6	3336.6	2750.3	2239.4	1916.6	1798.3	1732.0	1685.3	1678.2
35°	4537.9	4374.7	4095.0	3144.8	2447.3	1952.5	1733.8	1636.9	1554.5	1493.5	1481.0
37.5°	4763.8	4652.6	4104.0	2888.4	2122.8	1755.3	1602.9	1498.9	1398.5	1317.8	1308.8
40°	5151.1	5023.8	4030.5	2567.5	1846.7	1628.0	1493.5	1373.4	1256.8	1167.2	1154.6
42.5°	5703.3	5441.5	3872.7	2205.3	1638.7	1527.6	1389.5	1237.1	1118.8	1056.0	1047.1
45°	6406.1	5907.7	3636.0	1864.6	1484.5	1429.0	1280.1	1120.6	1057.8	1013.0	1004.0
47.5°	7266.7	6450.9	3363.5	1599.3	1364.4	1339.3	1169.0	1081.1	1025.6	987.9	978.9
50°	8295.8	7143.0	3139.4	1391.3	1256.8	1235.3	1133.1	1057.8	1013.0	982.5	975.3
52.5°	9470.2	7912.2	3030.0	1242.5	1163.6	1142.1	1120.6	1052.4	1014.8	991.5	982.5
55°	10689.4	8722.6	2927.8	1127.7	1084.7	1097.3	1122.4	1070.4	1041.7	1011.2	1002.2
57.5°	11867.3	9482.8	2676.8	1038.1	1027.3	1075.8	1131.3	1088.3	1054.2	1023.8	1013.0
60°	12679.5	9898.7	2251.9	966.4	984.3	1048.9	1108.0	1061.4	1018.4	1005.8	1000.4
62.5°	12898.3	9848.5	1748.1	892.9	932.3	989.7	1047.1	1016.6	971.8	991.5	993.3
65°	12387.3	9310.6	1312.4	821.2	864.2	912.6	984.3	971.8	955.6	1009.4	1011.2
67.5°	10940.4	7989.3	1000.4	758.4	794.3	853.4	964.6	1016.6	1020.2	1088.3	1081.1
70°	8277.9	5968.6	783.5	699.2	740.5	853.4	1027.3	1050.7	1007.6	1070.4	1056.0
72.5°	5723.0	3939.0	667.0	647.2	674.1	814.0	1025.6	1025.6	978.9	978.9	952.0
75°	3555.4	2316.5	580.9	580.9	580.9	711.8	996.9	944.9	862.4	824.7	803.2
77.5°	1755.3	1126.0	487.7	505.6	485.9	595.2	814.0	772.7	722.5	683.1	668.8
80°	749.4	563.0	394.4	414.2	390.9	448.2	645.5	636.5	588.1	536.1	519.9
82.5°	344.2	290.5	315.6	324.5	285.1	337.1	471.5	471.5	444.6	372.9	346.0
85°	147.0	154.2	218.7	218.7	179.3	190.0	252.8	240.3	215.2	175.7	161.4
87.5°	50.2	75.3	111.2	96.8	37.7	16.1	9.0	3.6	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)