

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: P636409

Luminaire Tested: GWS-SA3F-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636409
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-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24684.9 lumens
Efficiency: N/A
Efficacy: 134.7 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

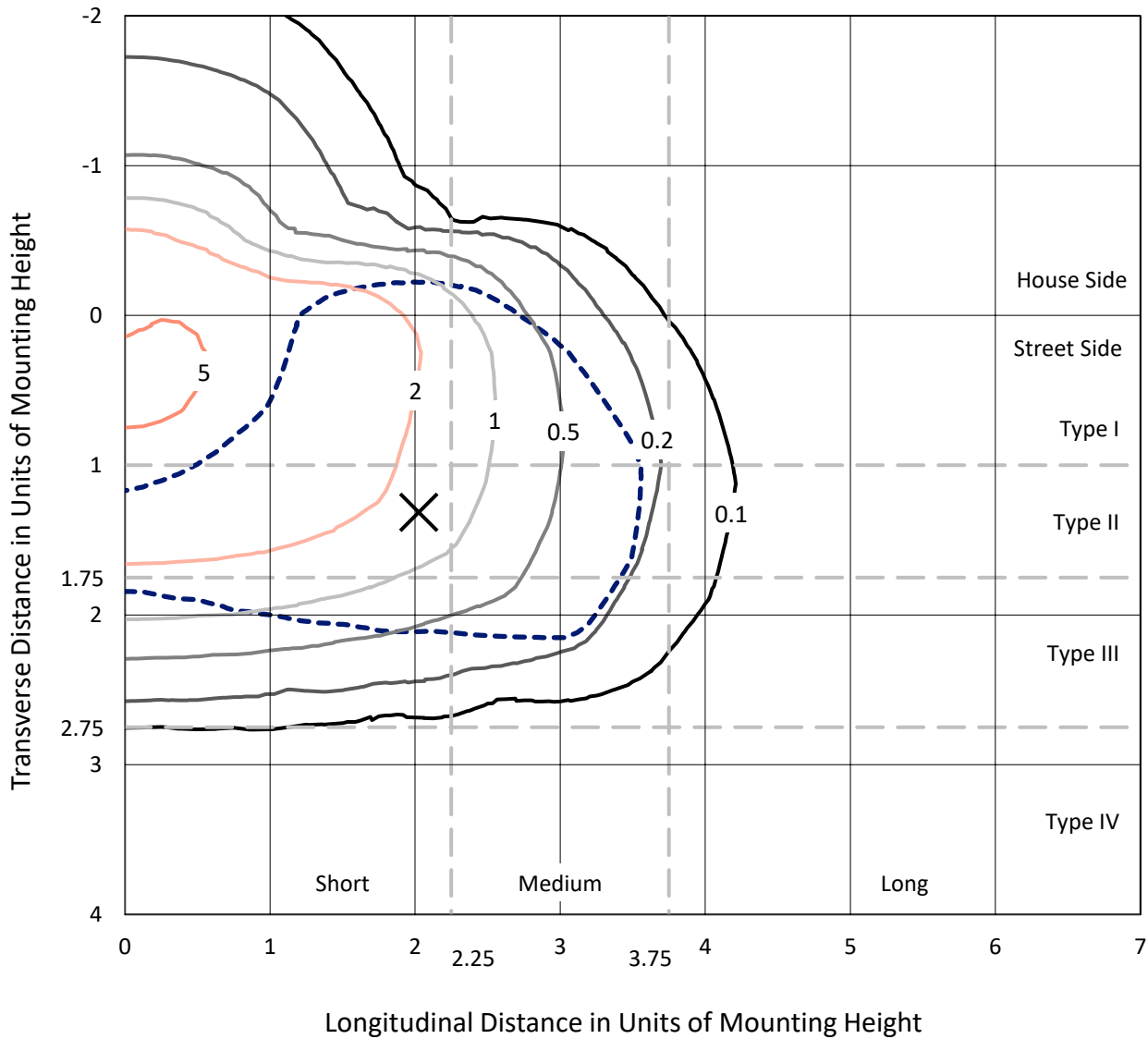
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

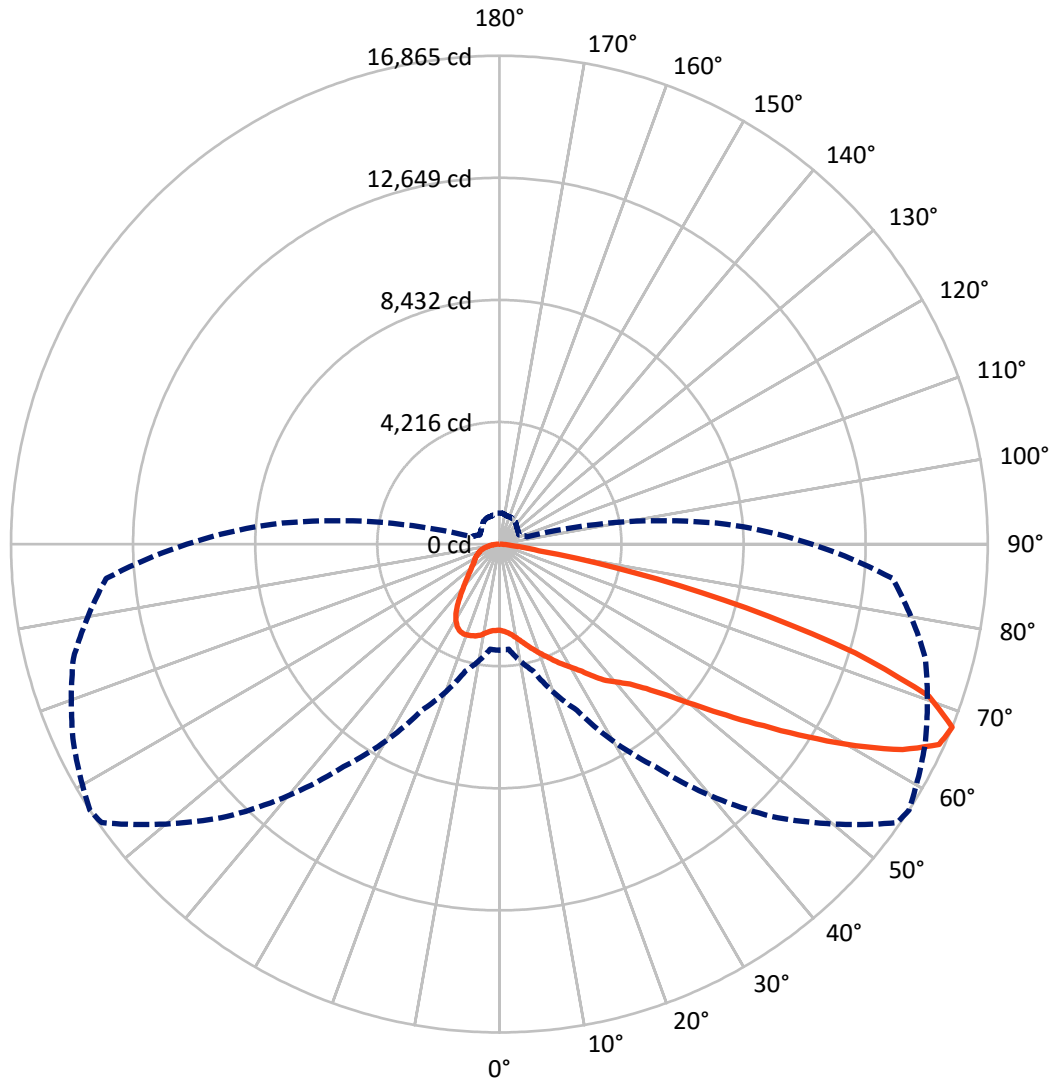
✕ Max cd
 - - - 1/2 Max cd



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	5427.3	0.0	5427.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19257.6	0.0	19257.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	24684.9	0.0	24684.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.0	1.2
10°-20°	976.6	4.0
20°-30°	1741.1	7.1
30°-40°	2531.3	10.3
40°-50°	3663.6	14.8
50°-60°	5733.4	23.2
60°-70°	6688.4	27.1
70°-80°	2792.0	11.3
80°-90°	263.5	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°	24684.9	100.0
0°-180°	24684.9	100.0

Coefficient of Utilization



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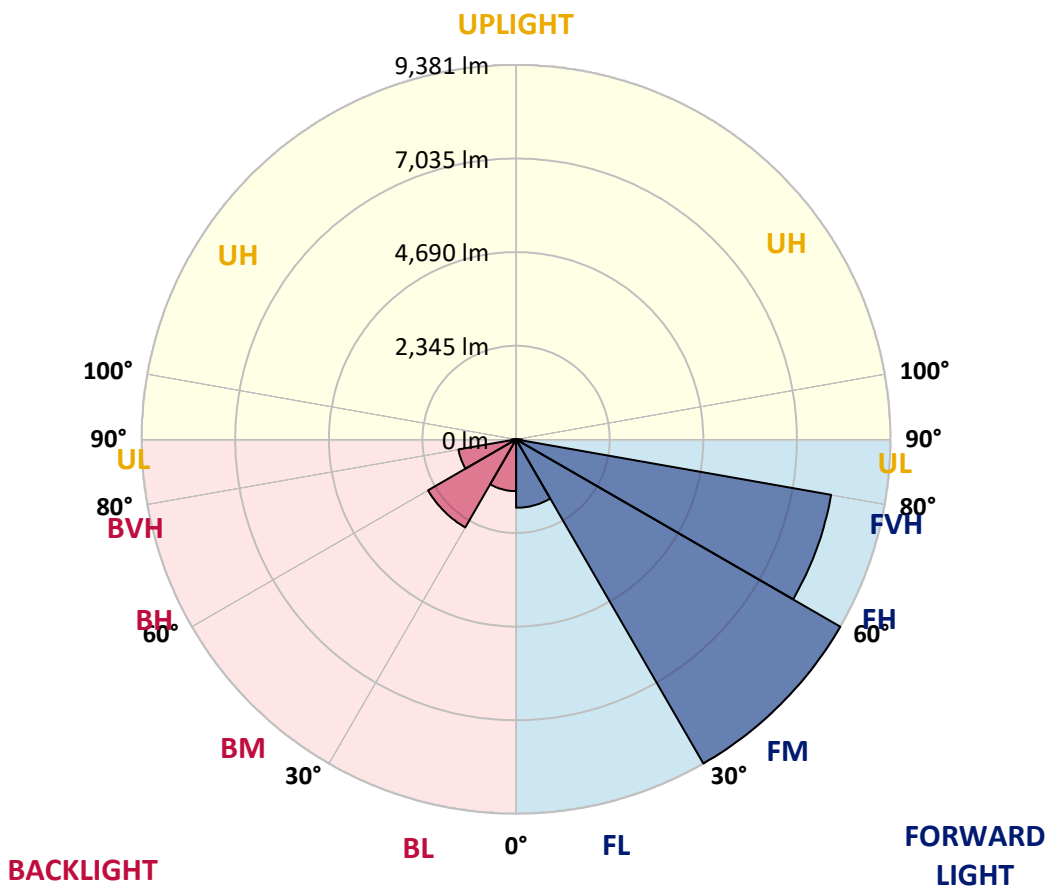
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1714.6	6.9			
FM (30°-60°)	9380.6	38.0			
FH (60°-80°)	8015.6	32.5			G4/12000
FVH (80°-90°)	146.8	0.6			G2/225
BL (0°-30°)	1298.0	5.3	B3/2500		
BM (30°-60°)	2547.7	10.3	B3/5000		
BH (60°-80°)	1464.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	116.7	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°	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4
2.5°	3016.8	3013.3	3011.5	3022.1	3018.6	3016.8	3016.8	3015.0	3011.5	2997.4	2977.9
5°	3099.9	3092.8	3085.8	3094.6	3087.5	3080.5	3078.7	3075.2	3062.8	3041.6	3011.5
7.5°	3186.6	3179.5	3181.3	3186.6	3181.3	3177.7	3172.4	3168.9	3149.4	3115.8	3075.2
10°	3308.6	3308.6	3312.1	3317.4	3319.2	3313.9	3303.3	3298.0	3275.0	3232.5	3176.0
12.5°	3485.4	3481.9	3481.9	3478.3	3483.6	3478.3	3467.7	3458.9	3430.6	3375.8	3294.4
15°	3718.8	3704.7	3692.3	3669.3	3662.3	3642.8	3646.3	3641.0	3614.5	3540.2	3437.7
17.5°	3968.2	3966.4	3947.0	3901.0	3855.0	3823.2	3830.2	3828.5	3814.3	3713.5	3582.7
20°	4187.4	4196.3	4178.6	4143.2	4081.3	4021.2	4017.7	4026.5	4008.8	3908.1	3725.9
22.5°	4433.3	4426.2	4408.5	4362.5	4316.5	4252.9	4231.7	4224.6	4217.5	4102.6	3872.7
25°	4666.7	4687.9	4664.9	4622.5	4551.7	4482.8	4465.1	4472.2	4452.7	4300.6	4030.1
27.5°	4962.0	4970.8	4956.7	4898.3	4838.2	4740.9	4707.3	4707.3	4700.3	4486.3	4153.9
30°	5276.8	5301.5	5276.8	5229.0	5167.1	5027.4	4954.9	4947.8	4926.6	4677.3	4298.9
32.5°	5593.3	5611.0	5593.3	5547.3	5476.6	5354.6	5250.2	5234.3	5206.0	4885.9	4447.4
35°	5874.5	5890.4	5886.8	5897.4	5839.1	5685.2	5621.6	5614.5	5540.2	5158.3	4649.0
37.5°	6182.1	6201.6	6175.1	6196.3	6173.3	6028.3	6008.8	5973.5	5867.4	5414.7	4861.2
40°	6532.3	6550.0	6507.5	6516.4	6489.8	6408.5	6309.5	6261.7	6104.3	5692.3	5195.4
42.5°	6907.2	6947.8	6967.3	6951.4	6889.5	6843.5	6670.2	6610.1	6479.2	6192.8	5745.4
45°	7450.1	7510.2	7538.5	7497.8	7471.3	7405.8	7193.6	7121.1	7052.2	6898.3	6512.8
47.5°	8035.4	8090.2	8180.4	8198.1	8219.3	8169.8	7870.9	7800.2	7812.6	7794.9	7457.1
50°	8502.2	8548.2	8751.6	8969.1	9149.4	9163.6	8781.6	8705.6	8772.8	8829.4	8594.2
52.5°	8841.7	8882.4	9151.2	9600.4	10008.9	10311.2	9899.2	9812.6	9867.4	9994.7	9886.8
55°	9117.6	9174.2	9455.4	10145.0	10970.8	11448.3	11184.8	11075.2	11052.2	11209.6	11271.5
57.5°	9262.6	9280.3	9674.6	10571.2	11676.4	12564.1	12679.1	12555.3	12336.0	12422.6	12744.5
60°	8931.9	8962.0	9501.3	10680.8	12233.4	13671.1	14247.6	14145.0	13678.2	13725.9	14081.4
62.5°	8017.7	8060.1	8709.1	10159.2	12279.4	14410.3	15695.9	15630.4	15004.4	14746.3	14852.4
65°	6431.5	6445.6	7117.6	8868.3	11365.2	14502.2	16705.6	16689.7	15931.1	15326.3	14871.8
67.5°	3667.6	3642.8	4541.1	6325.4	9379.3	13306.8	16771.0	16864.7	16231.7	15230.8	13634.0
70°	1589.7	1593.3	2007.1	3121.1	6070.7	10755.1	15577.4	15738.3	15361.6	13641.0	10847.1
72.5°	735.6	746.2	924.8	1351.0	2592.4	6672.0	12702.0	12847.1	12523.4	10917.8	7892.1
75°	519.9	528.7	617.2	774.5	1191.9	2599.5	8496.9	8801.1	8958.5	8166.2	5200.7
77.5°	394.3	406.7	450.9	537.6	735.6	921.3	4065.4	4790.5	5706.5	5080.5	2679.0
80°	251.1	251.1	298.9	359.0	449.2	479.2	1174.2	1391.7	2792.2	2093.7	1052.2
82.5°	169.8	175.1	203.4	228.1	258.2	272.3	504.0	537.6	806.4	712.6	433.2
85°	90.2	93.7	106.1	104.3	123.8	107.9	212.2	210.4	295.3	323.6	164.5
87.5°	0.0	0.0	1.8	1.8	3.5	5.3	23.0	24.8	61.9	99.0	54.8
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°	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4
2.5°	2988.5	2967.3	2977.9	2974.4	2985.0	2985.0	2965.5	2960.2	2962.0	2940.8	2933.7
5°	3015.0	2990.3	2995.6	2988.5	2999.1	3008.0	2999.1	2999.1	3009.7	2993.8	2985.0
7.5°	3075.2	3046.9	3046.9	3038.0	3050.4	3057.5	3050.4	3061.0	3080.5	3064.5	3055.7
10°	3170.6	3137.1	3138.8	3128.2	3133.5	3130.0	3101.7	3092.8	3098.1	3084.0	3076.9
12.5°	3294.4	3248.5	3248.5	3227.2	3214.9	3177.7	3119.4	3098.1	3101.7	3089.3	3084.0
15°	3412.9	3370.5	3361.6	3319.2	3262.6	3193.6	3140.6	3126.4	3130.0	3117.6	3108.8
17.5°	3552.6	3497.8	3466.0	3388.2	3283.8	3213.1	3160.0	3126.4	3098.1	3069.9	3062.8
20°	3681.7	3612.7	3554.4	3434.1	3306.8	3209.6	3110.5	3027.4	2958.4	2921.3	2912.5
22.5°	3814.3	3725.9	3623.3	3466.0	3305.0	3145.9	2963.8	2838.2	2735.6	2680.8	2691.4
25°	3939.9	3828.5	3688.8	3496.0	3248.5	3004.4	2756.9	2569.4	2452.7	2410.3	2397.9
27.5°	4044.2	3906.3	3748.9	3481.9	3131.7	2801.1	2473.9	2265.3	2152.1	2104.3	2092.0
30°	4160.9	4005.3	3835.5	3416.4	2947.8	2516.4	2153.8	1984.1	1902.7	1856.8	1858.5
32.5°	4295.3	4132.6	3957.6	3290.9	2712.6	2208.7	1890.4	1773.7	1708.2	1662.2	1655.2
35°	4475.7	4314.8	4038.9	3101.7	2413.8	1925.7	1710.0	1614.5	1533.2	1473.0	1460.7
37.5°	4698.5	4588.9	4047.8	2848.8	2093.7	1731.2	1580.9	1478.3	1379.3	1299.7	1290.9
40°	5080.5	4954.9	3975.2	2532.3	1821.4	1605.7	1473.0	1354.6	1239.6	1151.2	1138.8
42.5°	5625.1	5366.9	3819.6	2175.1	1616.3	1506.6	1370.5	1220.2	1103.4	1041.6	1032.7
45°	6318.3	5826.7	3586.2	1839.1	1464.2	1409.4	1262.6	1105.2	1043.3	999.1	990.3
47.5°	7167.1	6362.5	3317.4	1577.4	1345.7	1321.0	1153.0	1066.3	1011.5	974.4	965.5
50°	8182.1	7045.1	3096.4	1372.2	1239.6	1218.4	1117.6	1043.3	999.1	969.1	962.0
52.5°	9340.4	7803.7	2988.5	1225.5	1147.7	1126.4	1105.2	1038.0	1000.9	977.9	969.1
55°	10542.9	8603.0	2887.7	1112.3	1069.9	1082.2	1107.0	1055.7	1027.4	997.3	988.5
57.5°	11704.7	9352.8	2640.1	1023.9	1013.3	1061.0	1115.8	1073.4	1039.8	1009.7	999.1
60°	12505.8	9763.1	2221.0	953.1	970.8	1034.5	1092.8	1046.9	1004.4	992.0	986.7
62.5°	12721.5	9713.5	1724.1	880.6	919.5	976.1	1032.7	1002.7	958.4	977.9	979.7
65°	12217.5	9183.0	1294.4	809.9	852.3	900.1	970.8	958.4	942.5	995.6	997.3
67.5°	10790.5	7879.8	986.7	748.0	783.4	841.7	951.4	1002.7	1006.2	1073.4	1066.3
70°	8164.5	5886.8	772.8	689.7	730.3	841.7	1013.3	1036.3	993.8	1055.7	1041.6
72.5°	5644.6	3885.1	657.8	638.4	664.9	802.8	1011.5	1011.5	965.5	965.5	939.0
75°	3506.6	2284.7	572.9	572.9	572.9	702.0	983.2	931.9	850.6	813.4	792.2
77.5°	1731.2	1110.5	481.0	498.7	479.2	587.1	802.8	762.2	712.6	673.7	659.6
80°	739.2	555.3	389.0	408.5	385.5	442.1	636.6	627.8	580.0	528.7	512.8
82.5°	339.5	286.5	311.2	320.1	281.2	332.4	465.1	465.1	438.6	367.8	341.3
85°	145.0	152.1	215.7	215.7	176.8	187.4	249.3	237.0	212.2	173.3	159.2
87.5°	49.5	74.3	109.6	95.5	37.1	15.9	8.8	3.5	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)