

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: P636083

Luminaire Tested: GWS-SA3F-722-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18309.1 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

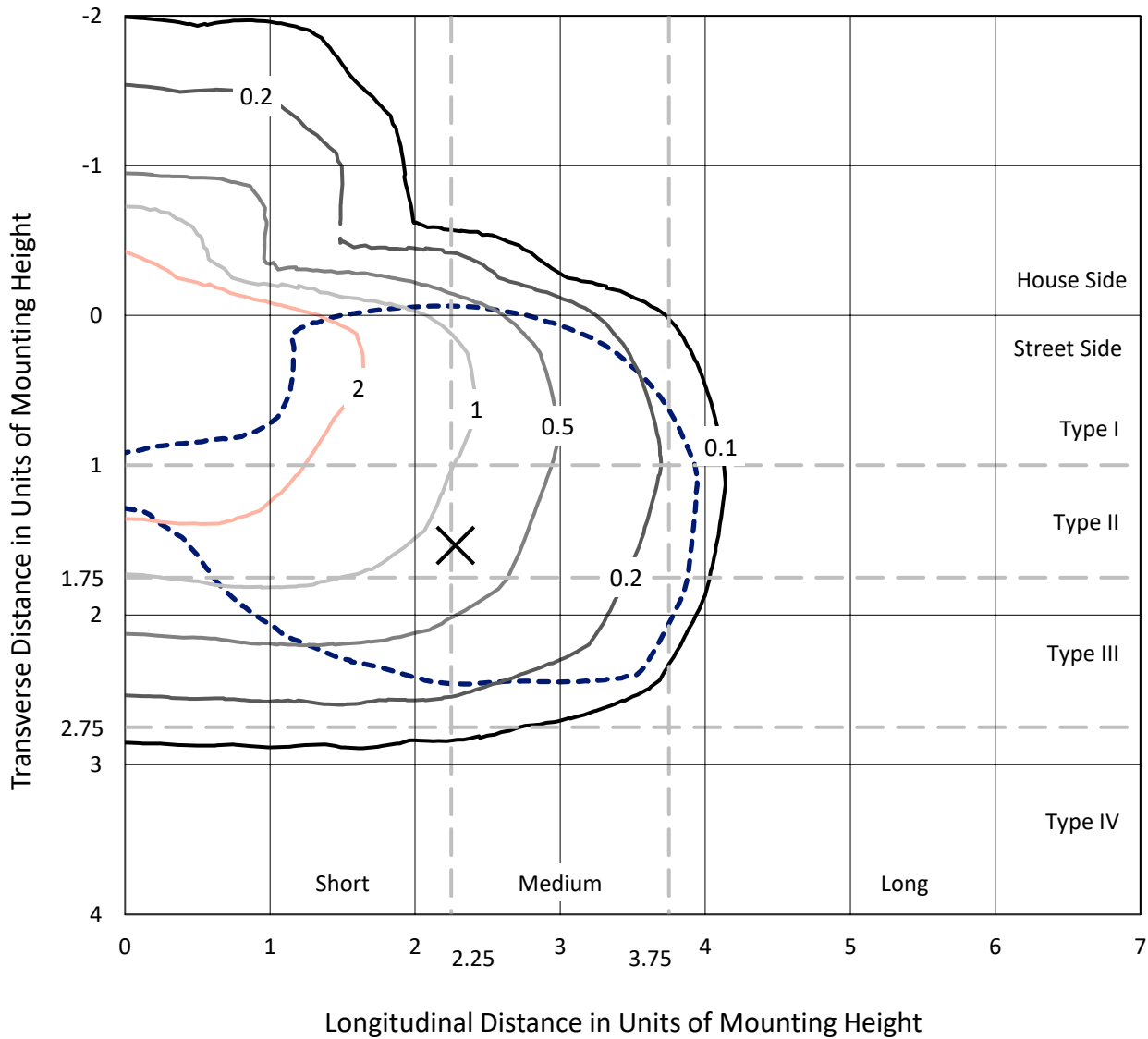
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

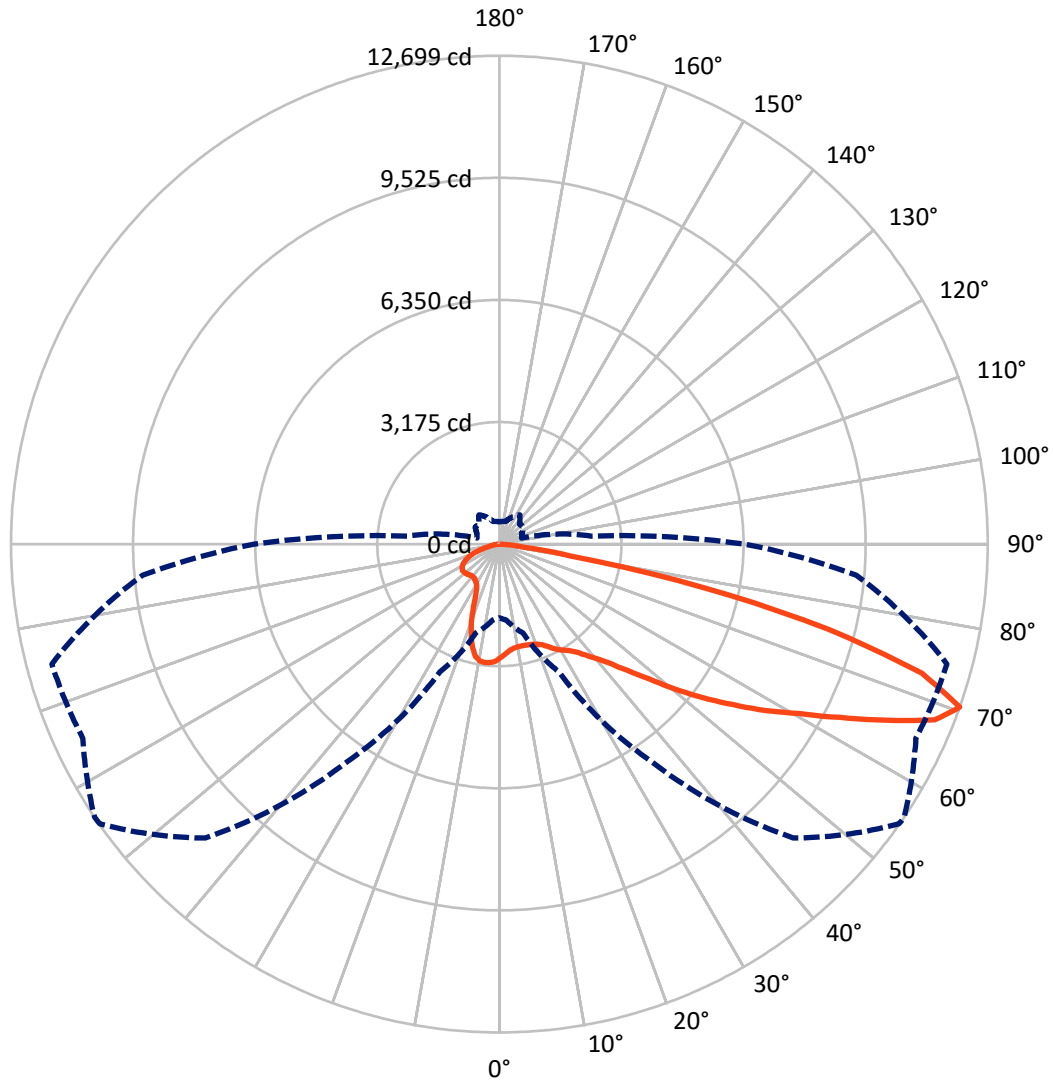
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3519.9	0.0	3519.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	14789.1	0.0	14789.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	18309.1	0.0	18309.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.5	1.5
10°-20°	741.0	4.0
20°-30°	1225.1	6.7
30°-40°	1831.7	10.0
40°-50°	2725.8	14.9
50°-60°	3875.3	21.2
60°-70°	4799.7	26.2
70°-80°	2650.2	14.5
80°-90°	186.6	1.0
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°	18309.1	100.0
0°-180°	18309.1	100.0

Coefficient of Utilization



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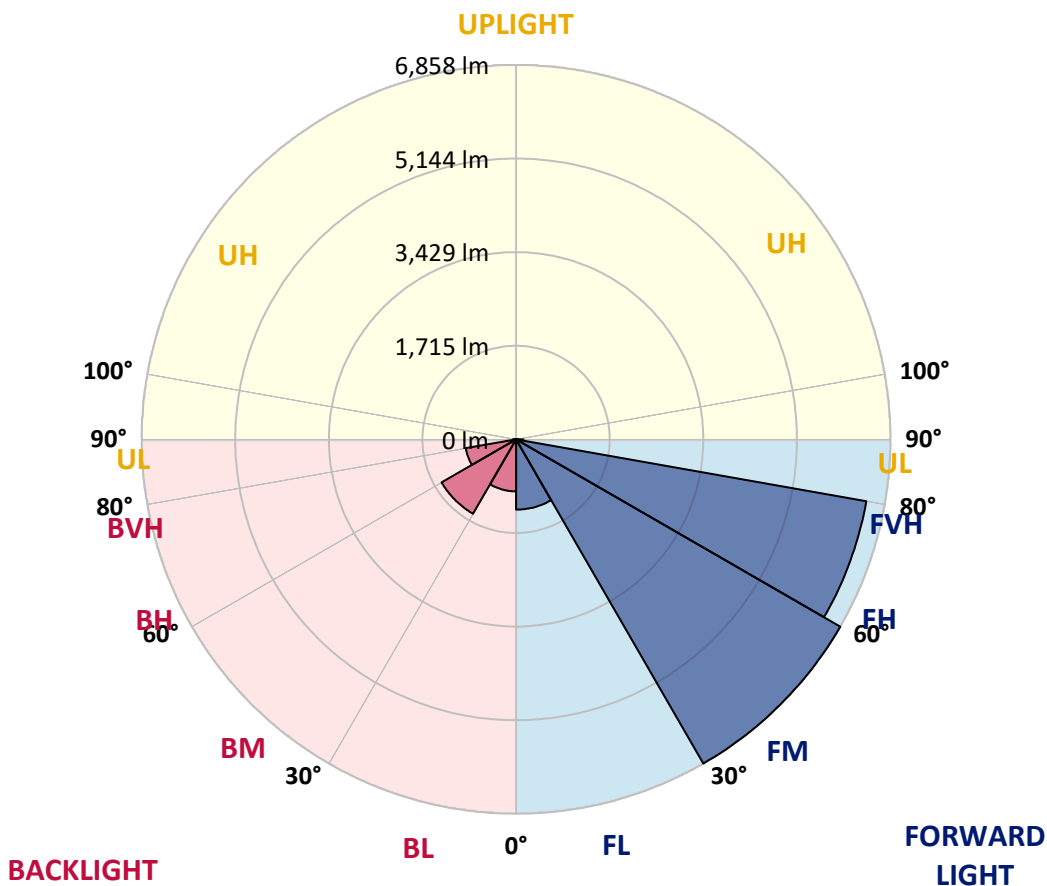
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1286.7	7.0			
FM (30°-60°)	6858.3	37.5			
FH (60°-80°)	6514.4	35.6			G3/7500
FVH (80°-90°)	129.7	0.7			G2/225
BL (0°-30°)	952.9	5.2	B2/1000		
BM (30°-60°)	1574.5	8.6	B2/2500		
BH (60°-80°)	935.6	5.1	B2/1000		G2/1000
BVH (80°-90°)	56.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4
2.5°	2765.6	2750.1	2768.2	2777.2	2800.4	2834.0	2863.7	2865.0	2880.5	2917.9	2954.1
5°	2640.3	2632.6	2637.8	2664.9	2689.4	2732.0	2777.2	2781.1	2825.0	2898.6	2970.9
7.5°	2543.5	2533.2	2552.5	2587.4	2618.4	2666.2	2725.6	2730.7	2792.7	2903.7	3014.8
10°	2404.1	2396.3	2432.5	2478.9	2546.1	2624.8	2703.6	2710.1	2791.4	2937.3	3092.2
12.5°	2343.4	2343.4	2358.9	2402.8	2476.4	2580.9	2699.7	2710.1	2812.1	2988.9	3191.6
15°	2437.6	2444.1	2431.2	2428.6	2458.3	2557.7	2704.9	2720.4	2850.8	3041.9	3289.8
17.5°	2627.4	2633.9	2600.3	2547.4	2517.7	2579.7	2724.3	2741.0	2892.1	3100.0	3395.6
20°	2893.4	2901.1	2827.5	2746.2	2644.2	2642.9	2761.7	2777.2	2945.0	3163.2	3508.0
22.5°	3204.6	3209.7	3116.8	2987.6	2831.4	2760.4	2826.3	2841.8	3013.5	3251.0	3629.3
25°	3564.8	3580.3	3467.9	3280.7	3069.0	2921.8	2933.4	2951.5	3136.1	3368.5	3772.6
27.5°	3949.5	3968.9	3839.8	3633.2	3341.4	3100.0	3071.6	3087.1	3266.5	3440.8	3848.8
30°	4343.3	4357.5	4228.4	3992.1	3634.5	3301.4	3187.8	3196.8	3323.3	3475.7	3926.3
32.5°	4781.0	4769.4	4645.4	4373.0	3972.8	3542.8	3296.2	3293.6	3386.6	3545.4	4037.3
35°	5191.6	5208.4	5076.7	4775.8	4344.6	3841.1	3458.9	3448.6	3520.9	3659.0	4193.6
37.5°	5688.7	5683.5	5526.0	5200.6	4717.7	4126.4	3687.4	3669.4	3695.2	3835.9	4411.8
40°	6043.7	6079.9	5977.9	5674.5	5154.1	4477.6	3954.7	3914.7	3921.1	4054.1	4703.5
42.5°	6334.2	6367.8	6378.1	6184.5	5653.8	4911.4	4287.8	4247.8	4251.7	4440.2	5062.5
45°	6557.6	6602.8	6748.7	6691.9	6216.7	5412.4	4738.4	4697.1	4699.7	4908.8	5496.3
47.5°	6649.3	6698.3	6994.0	7129.6	6814.5	6011.4	5298.8	5238.1	5247.1	5478.2	5992.1
50°	6619.6	6685.4	7085.7	7466.5	7315.5	6620.9	5968.8	5926.2	5891.4	6227.1	6530.5
52.5°	6363.9	6436.2	7076.6	7680.9	7724.8	7196.7	6660.9	6636.3	6628.6	7022.4	7132.1
55°	5611.2	5732.6	6765.5	7737.7	8045.0	7739.0	7411.0	7369.7	7409.7	7874.5	7740.3
57.5°	5194.2	5284.5	6156.1	7674.4	8307.1	8255.4	8159.9	8163.7	8208.9	8800.3	8477.5
60°	4956.6	5062.5	5817.8	7501.4	8558.8	8882.9	8943.6	8943.6	9024.9	9798.3	9226.3
62.5°	4641.6	4748.7	5501.5	7168.3	8791.2	9621.4	9928.7	9924.8	9957.1	10868.6	9958.4
65°	4002.5	4101.9	4866.2	6642.8	8904.8	10434.8	11048.1	11036.5	10971.9	11821.5	10442.6
67.5°	2906.3	3000.6	3727.5	5643.5	8495.6	11090.7	12201.1	12206.2	11820.2	12421.9	10468.4
70°	1916.0	1980.6	2396.3	3665.5	6908.8	10808.0	12683.9	12699.4	11950.6	12047.4	9316.7
72.5°	1195.6	1240.8	1496.4	2185.9	4082.5	8555.0	11444.5	11487.1	10751.1	10587.2	7655.0
75°	794.0	825.0	995.5	1274.3	1888.9	4630.0	8699.6	8836.4	8616.9	8299.3	5333.6
77.5°	477.7	503.5	633.9	809.5	836.6	1808.9	5078.0	5431.7	5462.7	4333.0	2233.6
80°	218.2	247.9	349.9	462.2	445.4	630.1	1790.8	1873.4	2210.4	1376.3	705.0
82.5°	129.1	142.0	232.4	229.8	189.8	306.0	644.3	661.1	561.6	503.5	300.8
85°	51.6	60.7	98.1	86.5	69.7	99.4	242.7	254.4	244.0	219.5	111.0
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	21.9	23.2	33.6	60.7	33.6
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°	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4
2.5°	2977.3	2969.6	3008.3	3038.0	3050.9	3063.8	3052.2	3048.3	3048.3	3022.5	3009.6
5°	3009.6	3013.5	3066.4	3090.9	3090.9	3080.6	3049.6	3027.7	3019.9	2986.4	2977.3
7.5°	3070.3	3087.1	3136.1	3134.8	3098.7	3041.9	2964.4	2905.0	2850.8	2827.5	2813.3
10°	3169.7	3191.6	3225.2	3171.0	3070.3	2920.5	2756.5	2627.4	2550.0	2488.0	2488.0
12.5°	3283.3	3304.0	3297.5	3172.3	2964.4	2684.2	2448.0	2299.5	2191.0	2134.2	2134.2
15°	3396.9	3413.7	3344.0	3112.9	2743.6	2370.5	2112.3	1934.1	1839.8	1786.9	1786.9
17.5°	3511.8	3510.6	3363.4	2976.0	2455.7	2023.2	1770.1	1632.0	1599.7	1590.7	1589.4
20°	3622.9	3593.2	3338.8	2747.5	2121.3	1673.3	1513.2	1522.2	1570.0	1590.7	1593.2
22.5°	3748.1	3674.5	3266.5	2455.7	1741.7	1430.6	1440.9	1515.8	1585.5	1616.5	1620.4
25°	3875.9	3744.2	3145.2	2113.6	1424.1	1341.5	1421.5	1505.4	1584.2	1624.2	1628.1
27.5°	3927.6	3744.2	2938.6	1717.2	1255.0	1304.0	1391.8	1473.2	1555.8	1602.3	1611.3
30°	3970.2	3712.0	2649.4	1359.5	1185.2	1267.9	1344.1	1418.9	1500.3	1557.1	1567.4
32.5°	4029.6	3683.6	2299.5	1142.6	1153.0	1233.0	1286.0	1349.2	1422.8	1460.3	1456.4
35°	4099.3	3639.7	1877.3	1039.4	1125.9	1203.3	1240.8	1278.2	1244.6	1243.3	1247.2
37.5°	4198.7	3600.9	1509.3	992.9	1107.8	1182.7	1213.7	1133.6	1087.1	1067.8	1060.0
40°	4342.0	3585.4	1190.4	965.8	1105.2	1181.4	1159.4	1035.5	972.2	905.1	903.8
42.5°	4522.8	3573.8	983.8	952.8	1114.2	1211.1	1084.5	970.9	840.5	810.8	808.2
45°	4755.2	3555.7	880.5	950.3	1136.2	1234.3	1076.8	881.8	792.7	779.8	779.8
47.5°	5035.4	3527.3	834.1	950.3	1160.7	1224.0	1053.6	862.5	770.8	785.0	794.0
50°	5356.9	3491.2	809.5	947.7	1185.2	1224.0	1004.5	858.6	765.6	839.2	868.9
52.5°	5700.3	3449.9	792.7	937.4	1202.0	1225.3	1007.1	871.5	770.8	852.1	876.7
55°	6079.9	3443.4	769.5	915.4	1207.2	1191.7	1013.5	899.9	778.5	772.1	773.4
57.5°	6558.9	3520.9	752.7	883.1	1186.5	1123.3	1026.4	920.6	769.5	770.8	779.8
60°	7059.8	3666.8	766.9	852.1	1143.9	1058.7	1035.5	910.2	725.6	705.0	707.5
62.5°	7485.9	3777.8	778.5	837.9	1082.0	1001.9	1026.4	887.0	701.1	695.9	707.5
65°	7664.1	3686.1	750.1	808.2	991.6	932.2	1007.1	857.3	680.4	661.1	662.3
67.5°	7466.5	3256.2	694.6	742.4	889.6	843.1	976.1	818.6	652.0	628.8	623.6
70°	6378.1	2392.4	599.1	637.8	765.6	738.5	928.3	768.2	606.8	590.0	578.4
72.5°	5139.9	1693.9	497.1	507.4	600.4	622.3	845.7	705.0	555.2	507.4	490.6
75°	3577.7	1063.9	414.4	404.1	433.8	475.1	659.8	584.9	479.0	428.7	413.2
77.5°	1539.0	546.1	324.1	318.9	289.2	329.2	506.1	488.0	401.5	343.4	334.4
80°	515.2	316.3	233.7	224.7	192.4	231.1	356.3	389.9	315.0	254.4	238.9
82.5°	258.2	183.3	148.5	134.3	129.1	145.9	210.5	242.7	218.2	175.6	148.5
85°	126.5	104.6	81.3	80.0	67.1	63.3	87.8	103.3	98.1	72.3	68.4
87.5°	46.5	41.3	25.8	20.7	12.9	9.0	5.2	5.2	3.9	3.9	3.9
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)