

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: P636415

Luminaire Tested: GWS-SA3F-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23827.2 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

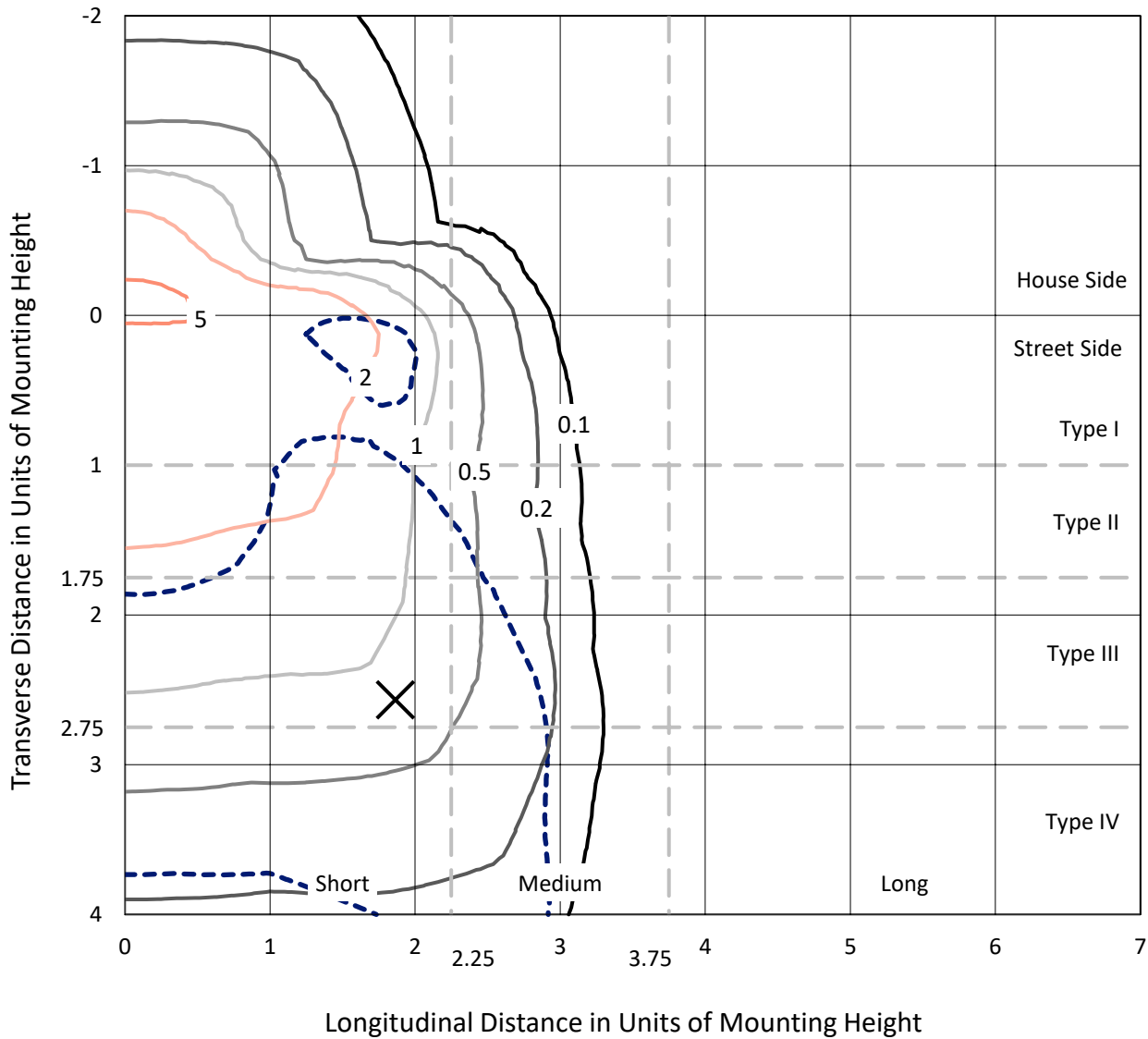
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

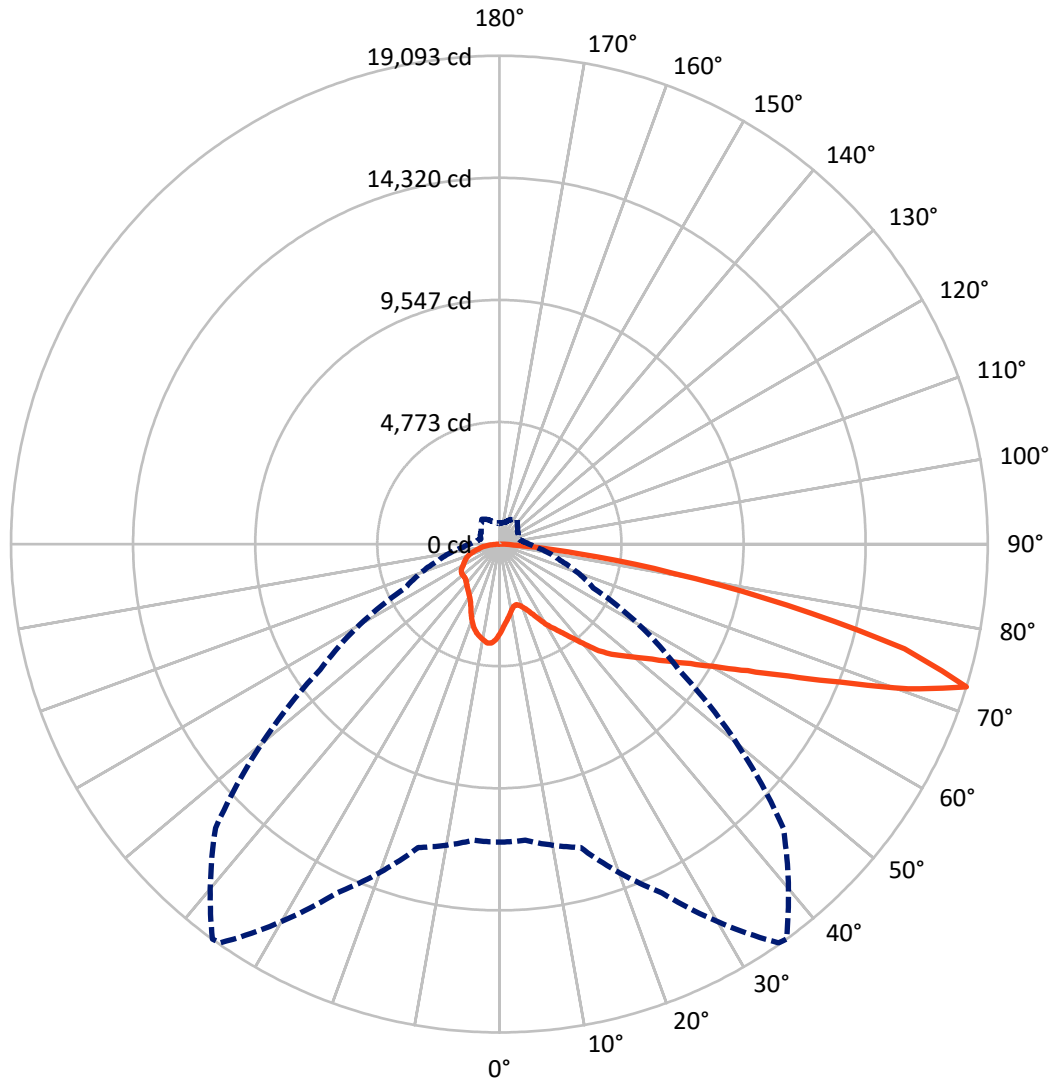
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5493.2	0.0	5493.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	18334.0	0.0	18334.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	23827.2	0.0	23827.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.0	1.4
10°-20°	919.7	3.9
20°-30°	1523.1	6.4
30°-40°	2280.9	9.6
40°-50°	3327.7	14.0
50°-60°	4736.3	19.9
60°-70°	5984.0	25.1
70°-80°	4264.1	17.9
80°-90°	465.5	2.0
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°	23827.2	100.0
0°-180°	23827.2	100.0

Coefficient of Utilization



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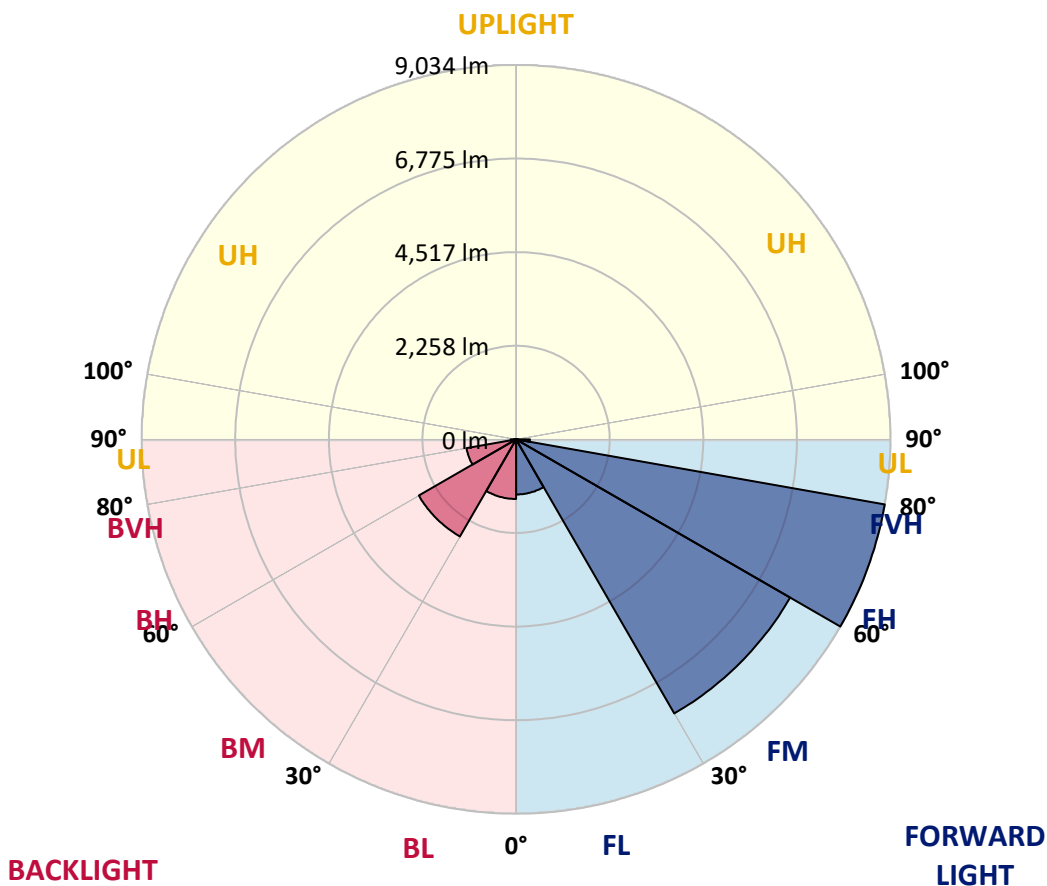
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1330.2	5.6			
FM (30°-60°)	7636.0	32.0			
FH (60°-80°)	9033.7	37.9			G4/12000
FVH (80°-90°)	334.1	1.4			G3/500
BL (0°-30°)	1438.5	6.0	B3/2500		
BM (30°-60°)	2708.9	11.4	B3/5000		
BH (60°-80°)	1214.4	5.1	B3/2500		G3/2500
BVH (80°-90°)	131.4	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2
2.5°	3181.3	3176.0	3165.4	3197.2	3229.0	3225.5	3269.7	3312.1	3358.1	3405.9	3469.5
5°	2926.6	2923.1	2914.3	2962.0	3009.8	3008.0	3080.5	3149.5	3243.2	3345.7	3473.1
7.5°	2672.0	2663.2	2675.5	2735.7	2802.9	2809.9	2909.0	3022.1	3158.3	3312.1	3492.5
10°	2447.4	2445.6	2451.0	2518.2	2618.9	2626.0	2753.3	2910.7	3091.1	3296.2	3536.7
12.5°	2389.1	2385.5	2371.4	2405.0	2481.0	2491.6	2631.3	2824.1	3045.1	3305.1	3596.9
15°	2484.6	2475.7	2426.2	2410.3	2447.4	2456.3	2574.7	2772.8	3018.6	3321.0	3672.9
17.5°	2649.0	2643.7	2550.0	2484.6	2509.3	2516.4	2604.8	2764.0	3011.5	3352.8	3766.6
20°	2889.5	2866.5	2719.7	2620.7	2620.7	2631.3	2684.4	2802.9	3020.4	3391.7	3872.7
22.5°	3207.8	3161.8	2954.9	2820.5	2785.2	2799.3	2822.3	2900.1	3057.5	3457.2	4005.3
25°	3565.0	3522.6	3276.8	3087.6	3038.1	3043.4	3023.9	3038.1	3138.8	3547.3	4169.8
27.5°	3945.2	3916.9	3655.2	3414.7	3336.9	3336.9	3267.9	3234.3	3252.0	3649.9	4353.7
30°	4284.8	4245.8	4024.8	3761.3	3658.7	3658.7	3527.9	3455.4	3412.9	3775.5	4599.5
32.5°	4463.4	4440.4	4293.6	4092.0	3966.4	3947.0	3833.8	3748.9	3649.9	3961.1	4932.0
35°	4696.8	4691.5	4603.1	4445.7	4286.5	4258.2	4180.4	4113.2	3941.7	4192.8	5374.1
37.5°	4990.3	4981.5	4967.3	4873.6	4682.6	4677.3	4608.4	4527.0	4304.2	4527.0	5909.9
40°	5319.2	5303.3	5285.6	5283.9	5168.9	5149.5	5144.2	5052.2	4741.0	4930.2	6468.7
42.5°	5771.9	5717.1	5550.9	5625.2	5710.1	5692.4	5759.6	5621.6	5285.6	5409.4	6997.4
45°	6329.0	6194.6	5865.7	5886.9	6100.9	6136.2	6369.7	6336.1	5885.1	5962.9	7554.5
47.5°	6663.2	6546.5	6240.6	6222.9	6489.9	6534.1	7041.6	7105.3	6530.6	6629.6	8242.4
50°	6937.3	6856.0	6604.8	6629.6	6912.5	6956.8	7708.3	7844.5	7138.9	7312.2	9041.7
52.5°	7268.0	7151.3	6956.8	7073.5	7420.1	7473.1	8449.3	8596.0	7687.1	8062.0	9869.2
55°	7453.7	7405.9	7409.5	7588.1	8023.1	8095.6	9225.6	9200.8	8189.3	8703.9	10491.7
57.5°	7881.6	7863.9	8026.6	8093.8	8726.9	8820.6	10001.9	9789.7	8645.5	9200.8	10790.6
60°	8636.7	8592.5	8734.0	8836.5	9596.9	9729.5	10868.4	10366.2	8955.0	9570.4	10689.8
62.5°	9697.7	9642.9	9648.2	9810.9	10762.3	10902.0	11832.1	10847.2	9050.5	9627.0	10051.4
65°	11016.9	10937.3	10847.2	11068.2	12309.6	12426.3	12880.8	11197.3	8822.4	9082.3	8718.0
67.5°	12408.6	12343.2	12237.1	12700.4	14313.2	14383.9	14056.7	11167.2	8099.1	7625.2	6115.0
70°	12490.0	12505.9	13008.1	14684.5	16928.6	16946.2	15169.0	10562.4	6558.9	4942.6	3046.9
72.5°	11651.8	11625.2	12279.5	15047.0	19032.9	19093.0	15694.2	8557.1	4053.1	2465.1	1428.8
75°	9464.3	9510.3	10198.2	13165.5	16313.2	16366.2	12794.1	5045.1	1925.8	1206.0	914.2
77.5°	4074.3	4330.7	5687.1	9275.1	11683.6	11519.1	6594.2	2044.2	1027.4	859.4	700.3
80°	1176.0	1276.8	2026.5	4410.3	7001.0	6877.2	2610.1	765.7	716.2	645.5	502.2
82.5°	380.2	420.9	742.7	1756.0	3137.1	3133.5	990.3	452.7	468.6	438.6	323.6
85°	106.1	122.0	228.1	532.3	970.8	951.4	286.5	214.0	249.3	252.9	160.9
87.5°	0.0	0.0	1.8	3.5	3.5	3.5	7.1	31.8	72.5	92.0	65.4
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°	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2	3487.2
2.5°	3508.4	3503.1	3575.6	3632.2	3685.3	3720.6	3731.3	3738.3	3752.5	3759.5	3752.5
5°	3533.2	3559.7	3680.0	3768.4	3839.1	3881.6	3883.3	3879.8	3890.4	3881.6	3876.3
7.5°	3586.2	3637.5	3789.6	3883.3	3929.3	3931.1	3888.6	3839.1	3814.4	3793.1	3786.1
10°	3657.0	3733.0	3899.2	3961.1	3947.0	3881.6	3787.8	3710.0	3665.8	3634.0	3626.9
12.5°	3754.2	3839.1	3996.5	3994.7	3906.3	3789.6	3680.0	3586.2	3522.6	3485.4	3473.1
15°	3846.2	3954.1	4067.2	3984.1	3844.4	3703.0	3561.5	3435.9	3351.1	3292.7	3282.1
17.5°	3959.4	4074.3	4118.5	3950.5	3766.6	3584.5	3395.3	3230.8	3115.9	3046.9	3041.6
20°	4090.2	4192.8	4143.3	3892.2	3665.8	3427.1	3170.7	2986.8	2863.0	2795.8	2801.1
22.5°	4242.3	4316.6	4150.4	3812.6	3526.1	3204.3	2917.8	2741.0	2657.9	2622.5	2624.3
25°	4405.0	4452.7	4138.0	3704.7	3312.1	2932.0	2657.9	2576.5	2569.4	2560.6	2564.1
27.5°	4597.8	4587.1	4100.8	3552.6	3023.9	2615.4	2475.7	2496.9	2525.2	2521.7	2525.2
30°	4855.9	4755.1	4053.1	3342.2	2680.8	2350.2	2367.8	2428.0	2465.1	2468.6	2479.2
32.5°	5151.2	4940.8	3977.1	3055.7	2353.7	2201.6	2267.0	2339.5	2383.8	2392.6	2406.7
35°	5503.2	5153.0	3842.7	2698.5	2118.5	2113.2	2173.3	2222.8	2270.6	2274.1	2274.1
37.5°	5908.1	5365.2	3628.7	2304.2	1973.5	2037.2	2093.7	2104.4	2116.7	2106.1	2111.4
40°	6279.5	5570.4	3324.5	1945.2	1855.0	1970.0	2017.7	1982.3	1943.4	1916.9	1922.2
42.5°	6590.7	5710.1	2921.3	1694.1	1734.8	1909.8	1947.0	1874.5	1798.4	1748.9	1756.0
45°	6940.8	5839.1	2447.4	1524.3	1632.2	1867.4	1892.2	1798.4	1701.2	1626.9	1616.3
47.5°	7423.6	6102.6	2026.5	1405.9	1559.7	1844.4	1885.1	1757.8	1630.4	1519.0	1506.6
50°	8019.5	6475.8	1674.6	1328.0	1526.1	1832.0	1883.3	1713.5	1561.5	1430.6	1421.8
52.5°	8670.3	6840.0	1414.7	1267.9	1492.5	1794.9	1874.5	1664.0	1489.0	1347.5	1336.9
55°	9103.5	6983.3	1239.6	1211.3	1437.7	1736.5	1839.1	1616.3	1379.3	1250.2	1234.3
57.5°	9230.9	6799.4	1117.6	1160.0	1366.9	1655.2	1771.9	1515.5	1312.1	1209.6	1197.2
60°	9011.6	6336.1	1041.6	1117.6	1289.1	1550.9	1655.2	1457.1	1259.1	1167.1	1158.3
62.5°	8392.7	5621.6	983.2	1073.4	1209.6	1441.2	1580.9	1386.4	1200.7	1128.2	1115.8
65°	7147.7	4610.1	935.5	1027.4	1133.5	1336.9	1499.6	1315.7	1137.1	1082.2	1068.1
67.5°	4999.2	3237.9	884.2	972.6	1057.5	1236.1	1414.7	1250.2	1071.6	1031.0	1016.8
70°	2443.9	1717.1	822.3	908.9	976.1	1133.5	1329.8	1170.7	985.0	962.0	942.5
72.5°	1163.6	960.2	749.8	822.3	864.7	997.4	1188.3	1055.7	882.4	832.9	799.3
75°	779.8	682.6	654.3	719.7	730.3	836.4	1018.6	910.7	778.1	721.5	693.2
77.5°	590.6	521.7	550.0	608.3	587.1	687.9	838.2	811.7	702.0	650.8	636.6
80°	415.6	380.2	436.8	472.2	456.2	585.3	755.1	695.0	578.3	521.7	511.1
82.5°	261.7	254.6	321.8	327.1	332.5	463.3	620.7	546.4	449.2	369.6	343.1
85°	130.9	145.0	192.8	192.8	191.0	238.7	353.7	307.7	242.3	192.8	187.4
87.5°	44.2	61.9	83.1	67.2	51.3	40.7	46.0	56.6	60.1	58.4	58.4
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)