

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: P636362

Luminaire Tested: GWS-SA3F-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24796.6 lumens
Efficiency: N/A
Efficacy: 135.4 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

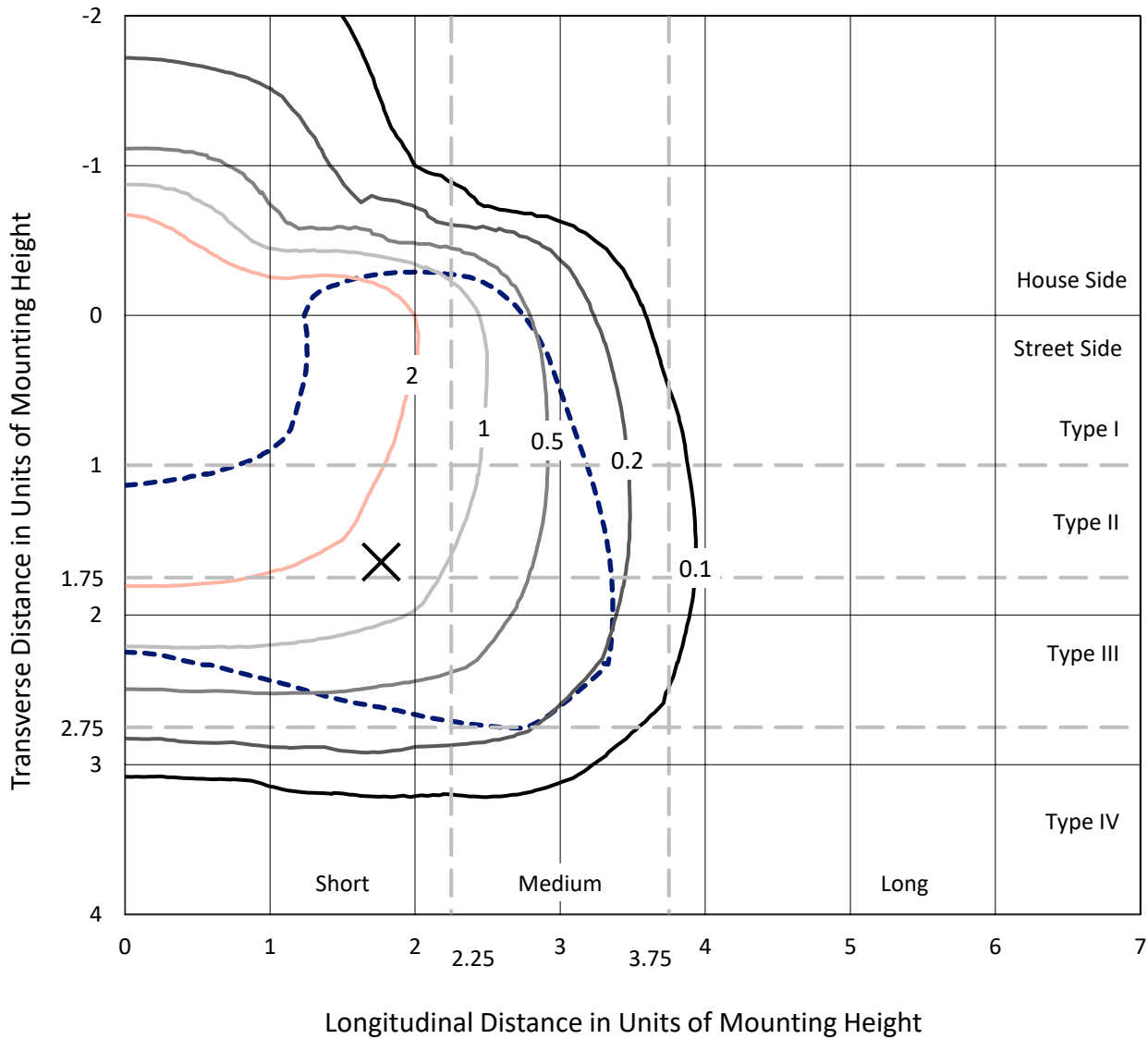
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636362
 CATALOG NUMBER: GWS-SA3F-750-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

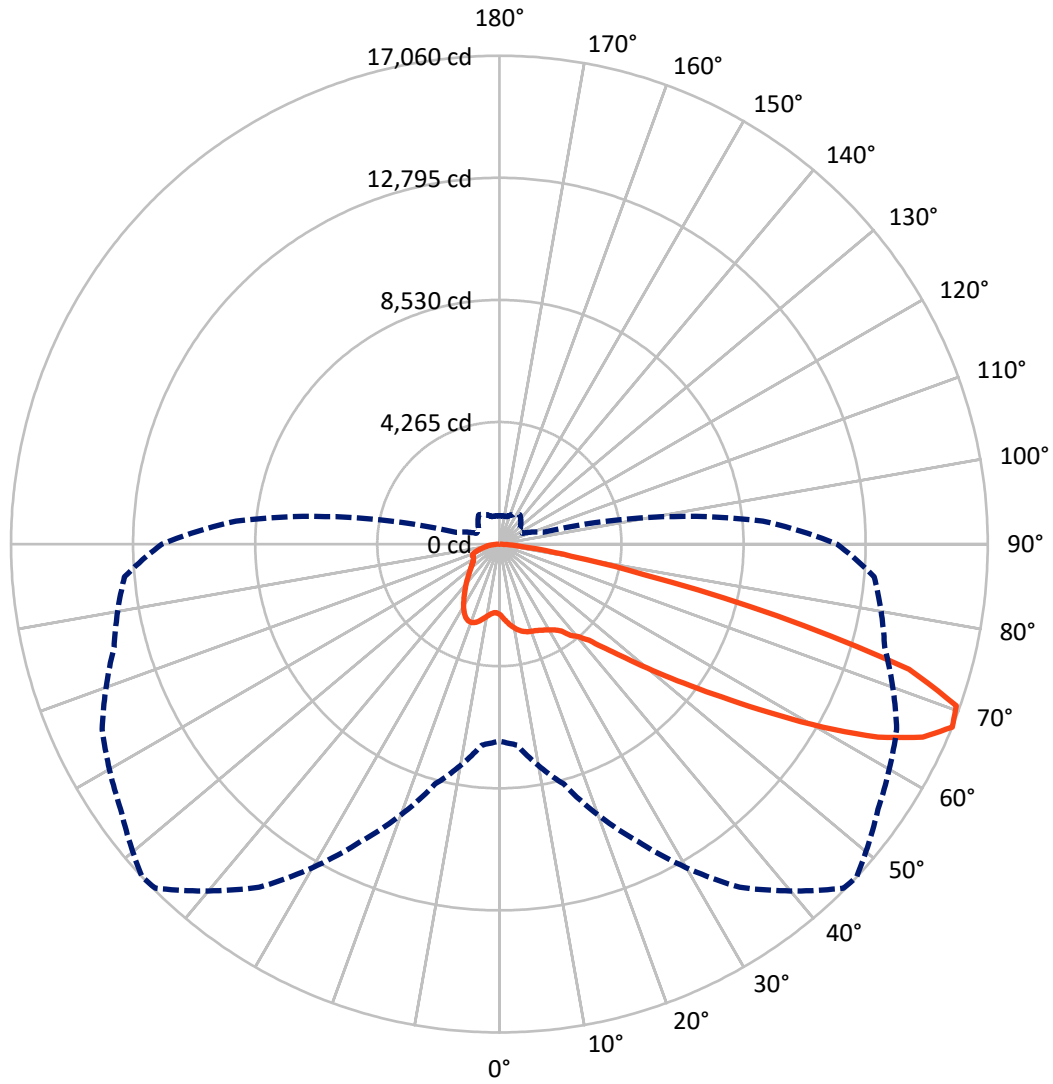
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

REPORT NUMBER: P636362
CATALOG NUMBER: GWS-SA3F-750-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P636362

CATALOG NUMBER: GWS-SA3F-750-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5651.3	0.0	5651.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	19145.3	0.0	19145.3
	% Fixture	77.2	0.0	77.2
Total	Lumens	24796.6	0.0	24796.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.2	1.0
10°-20°	837.0	3.4
20°-30°	1422.7	5.7
30°-40°	2084.0	8.4
40°-50°	3175.3	12.8
50°-60°	5681.2	22.9
60°-70°	7581.0	30.6
70°-80°	3428.3	13.8
80°-90°	335.9	1.4
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°	24796.6	100.0
0°-180°	24796.6	100.0

Coefficient of Utilization



REPORT NUMBER: P636362

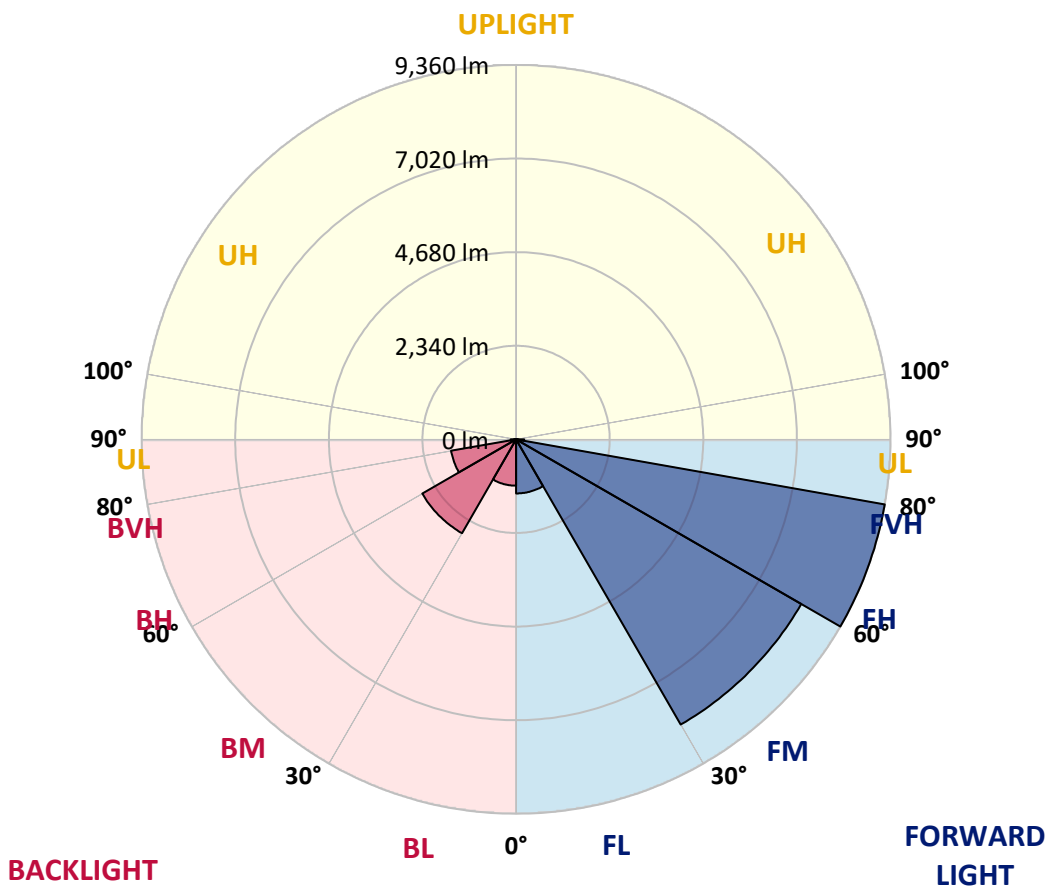
CATALOG NUMBER: GWS-SA3F-750-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1352.3	5.5			
FM (30°-60°)	8232.7	33.2			
FH (60°-80°)	9360.4	37.7			G4/12000
FVH (80°-90°)	199.8	0.8			G2/225
BL (0°-30°)	1158.5	4.7	B3/2500		
BM (30°-60°)	2707.8	10.9	B3/5000		
BH (60°-80°)	1648.9	6.6	B3/2500		G3/2500
BVH (80°-90°)	136.1	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





REPORT NUMBER: P636362
 CATALOG NUMBER: GWS-SA3F-750-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1
2.5°	2621.3	2630.3	2628.5	2614.1	2605.1	2589.0	2590.8	2565.7	2528.1	2503.0	2474.3
5°	2852.6	2866.9	2849.0	2825.7	2789.8	2737.8	2732.4	2675.1	2603.4	2553.2	2501.2
7.5°	3053.4	3062.4	3040.8	3001.4	2949.4	2879.5	2866.9	2798.8	2709.1	2630.3	2554.9
10°	3209.4	3220.1	3191.4	3139.4	3071.3	3001.4	2992.4	2922.5	2827.5	2734.2	2639.2
12.5°	3342.0	3345.6	3315.2	3245.2	3171.7	3100.0	3091.0	3026.5	2938.6	2843.6	2739.6
15°	3419.1	3420.9	3383.3	3306.2	3236.3	3173.5	3168.1	3112.6	3031.9	2942.2	2831.1
17.5°	3413.8	3417.4	3390.5	3322.3	3261.4	3223.7	3218.3	3182.5	3119.7	3039.0	2927.9
20°	3347.4	3351.0	3333.1	3288.3	3256.0	3245.2	3247.0	3236.3	3198.6	3132.3	3019.3
22.5°	3295.4	3300.8	3284.7	3252.4	3248.8	3273.9	3279.3	3284.7	3266.7	3207.6	3098.2
25°	3320.5	3329.5	3304.4	3259.6	3266.7	3322.3	3333.1	3351.0	3336.7	3286.5	3191.4
27.5°	3494.5	3499.8	3435.3	3343.8	3322.3	3381.5	3397.6	3426.3	3415.6	3368.9	3295.4
30°	3897.9	3894.3	3756.2	3532.1	3442.5	3465.8	3478.3	3519.6	3523.1	3492.7	3422.7
32.5°	4466.2	4448.3	4234.9	3878.1	3618.2	3560.8	3575.1	3630.7	3672.0	3639.7	3544.7
35°	5066.9	5050.7	4815.9	4398.1	3942.7	3743.7	3727.5	3770.6	3833.3	3743.7	3607.4
37.5°	5638.8	5613.7	5373.5	4857.1	4342.5	4064.6	4041.3	3998.3	3960.6	3788.5	3684.5
40°	6273.5	6244.8	6035.1	5450.6	4783.6	4310.2	4251.1	4080.7	4046.7	3937.3	3885.3
42.5°	6951.2	6951.2	6777.3	6201.8	5316.1	4661.7	4584.6	4328.2	4364.0	4292.3	4231.4
45°	7629.0	7648.7	7510.6	6958.4	6027.9	5325.0	5201.3	4837.4	4923.4	4891.2	4860.7
47.5°	8206.3	8244.0	8217.1	7731.2	6899.3	6131.9	5943.6	5565.3	5750.0	5827.1	5913.1
50°	8828.5	8869.7	8842.8	8651.0	7919.4	7109.0	6940.5	6549.6	6867.0	7098.3	7379.8
52.5°	9751.8	9811.0	9586.9	9513.4	9158.4	8218.9	8068.3	7623.6	8199.1	8582.8	9210.4
55°	10531.8	10530.0	10451.1	10619.6	10488.7	9576.1	9409.4	9006.0	9741.1	10148.1	11066.1
57.5°	10893.9	10937.0	11207.7	11684.6	11946.4	11234.6	11075.0	10662.6	11396.0	11607.5	12599.0
60°	11080.4	11134.2	11657.7	12600.8	13305.4	13045.5	12982.7	12457.4	12869.8	12844.7	13891.7
62.5°	10818.6	10926.2	11767.1	13020.4	14275.4	14865.3	14845.6	14051.3	14123.0	13877.4	14693.2
65°	9617.4	9733.9	11053.5	12810.6	14829.4	16249.5	16254.8	15494.6	15085.8	14379.4	14558.7
67.5°	6877.7	7044.5	8676.1	11462.3	14634.0	16997.1	17059.9	16149.1	15311.8	13934.8	13145.9
70°	3749.0	3871.0	5149.3	8331.8	12873.3	16817.8	16934.4	15833.5	14314.9	12054.0	10119.4
72.5°	1703.3	1742.7	2395.4	4572.0	8794.4	14476.2	14963.9	14130.2	11756.3	8903.8	6434.9
75°	779.9	797.9	1043.5	2187.4	4595.3	9687.3	10029.7	10524.6	8181.2	5622.7	3354.6
77.5°	489.5	494.9	593.5	1000.5	2291.4	4835.6	5196.0	6266.3	4790.7	2782.7	1402.1
80°	288.7	294.0	369.3	541.5	1075.8	2212.5	2554.9	2477.9	2251.9	1201.3	638.3
82.5°	145.2	150.6	213.4	308.4	586.3	880.3	1036.3	1041.7	839.1	650.8	360.4
85°	52.0	53.8	69.9	121.9	249.2	290.5	324.5	396.2	410.6	378.3	173.9
87.5°	0.0	0.0	1.8	3.6	7.2	28.7	30.5	57.4	120.1	134.5	69.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636362
 CATALOG NUMBER: GWS-SA3F-750-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1	2458.1
2.5°	2465.3	2438.4	2429.4	2420.5	2406.1	2400.8	2390.0	2379.2	2379.2	2368.5	2363.1
5°	2477.9	2442.0	2418.7	2407.9	2399.0	2404.3	2404.3	2407.9	2420.5	2413.3	2416.9
7.5°	2522.7	2481.4	2449.2	2440.2	2440.2	2461.7	2476.1	2494.0	2517.3	2520.9	2520.9
10°	2601.6	2553.2	2519.1	2513.7	2522.7	2553.2	2574.7	2596.2	2624.9	2626.7	2630.3
12.5°	2687.6	2639.2	2605.1	2612.3	2621.3	2660.7	2684.0	2702.0	2730.7	2730.7	2728.9
15°	2777.3	2723.5	2694.8	2709.1	2736.0	2780.9	2784.4	2786.2	2800.6	2797.0	2795.2
17.5°	2870.5	2813.1	2791.6	2813.1	2841.8	2863.3	2845.4	2820.3	2814.9	2807.8	2804.2
20°	2961.9	2902.8	2893.8	2909.9	2918.9	2901.0	2845.4	2798.8	2777.3	2766.5	2762.9
22.5°	3040.8	2990.6	2985.3	2985.3	2940.4	2877.7	2795.2	2732.4	2703.8	2689.4	2685.8
25°	3134.1	3087.5	3078.5	3030.1	2915.3	2800.6	2689.4	2632.0	2608.7	2601.6	2603.4
27.5°	3243.4	3211.2	3182.5	3044.4	2843.6	2664.3	2538.8	2513.7	2504.7	2513.7	2519.1
30°	3377.9	3345.6	3281.1	3026.5	2728.9	2486.8	2366.7	2364.9	2391.8	2415.1	2418.7
32.5°	3487.3	3472.9	3367.2	2969.1	2567.5	2291.4	2189.2	2196.4	2244.8	2277.0	2282.4
35°	3573.3	3596.6	3438.9	2874.1	2375.7	2106.7	2026.0	2029.6	2056.5	2101.3	2103.1
37.5°	3695.3	3774.1	3503.4	2728.9	2155.1	1947.1	1873.6	1846.7	1843.1	1855.7	1859.3
40°	3940.9	4059.2	3550.0	2517.3	1941.8	1803.7	1721.2	1669.2	1624.4	1590.3	1579.6
42.5°	4312.0	4448.3	3576.9	2260.9	1751.7	1662.1	1568.8	1502.5	1423.6	1351.9	1326.8
45°	4993.4	5038.2	3576.9	1988.4	1583.2	1529.4	1436.1	1357.3	1256.9	1172.6	1154.7
47.5°	6083.5	5940.0	3580.5	1724.8	1434.4	1412.8	1332.2	1242.5	1131.3	1061.4	1050.7
50°	7725.8	7222.0	3654.0	1506.1	1310.6	1314.2	1255.1	1156.4	1056.0	1004.0	995.1
52.5°	9586.9	8801.6	3851.2	1344.7	1206.7	1233.5	1201.3	1106.2	1016.6	971.8	962.8
55°	11336.8	10253.9	4019.8	1230.0	1118.8	1165.4	1163.6	1075.8	995.1	950.3	944.9
57.5°	12824.9	11248.9	3994.7	1136.7	1043.5	1102.7	1129.6	1056.0	980.7	943.1	937.7
60°	13750.1	11776.1	3637.9	1050.7	986.1	1057.8	1109.8	1050.7	987.9	978.9	980.7
62.5°	14151.7	11679.2	2953.0	986.1	948.5	1036.3	1131.3	1088.3	1054.3	1075.8	1088.3
65°	13527.8	10847.3	2173.0	937.7	912.6	1041.7	1181.6	1147.5	1054.3	1068.6	1074.0
67.5°	11795.8	9233.7	1570.6	889.3	867.8	1057.8	1253.3	1138.5	993.3	993.3	982.5
70°	8500.4	6641.1	1140.3	840.9	823.0	1034.5	1256.9	1077.6	923.4	918.0	891.1
72.5°	5115.3	3917.6	889.3	787.1	754.8	918.0	1178.0	1005.8	855.2	810.4	778.1
75°	2657.1	1963.3	745.9	727.9	647.3	778.1	1077.6	894.7	731.5	692.1	674.1
77.5°	1138.5	918.0	640.1	649.0	537.9	654.4	869.6	774.6	649.0	598.8	582.7
80°	561.2	521.7	505.6	520.0	430.3	505.6	749.5	677.7	550.4	493.1	469.8
82.5°	320.9	304.8	364.0	369.3	306.6	423.1	632.9	573.7	455.4	392.7	355.0
85°	148.8	159.6	220.5	222.3	190.1	290.5	414.2	322.7	242.0	200.8	191.8
87.5°	59.2	69.9	96.8	95.0	55.6	53.8	35.9	19.7	16.1	14.3	12.6
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)