

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: P637344

Luminaire Tested: GWS-SA4C-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637344
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-SA4C-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19870 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 128.5
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

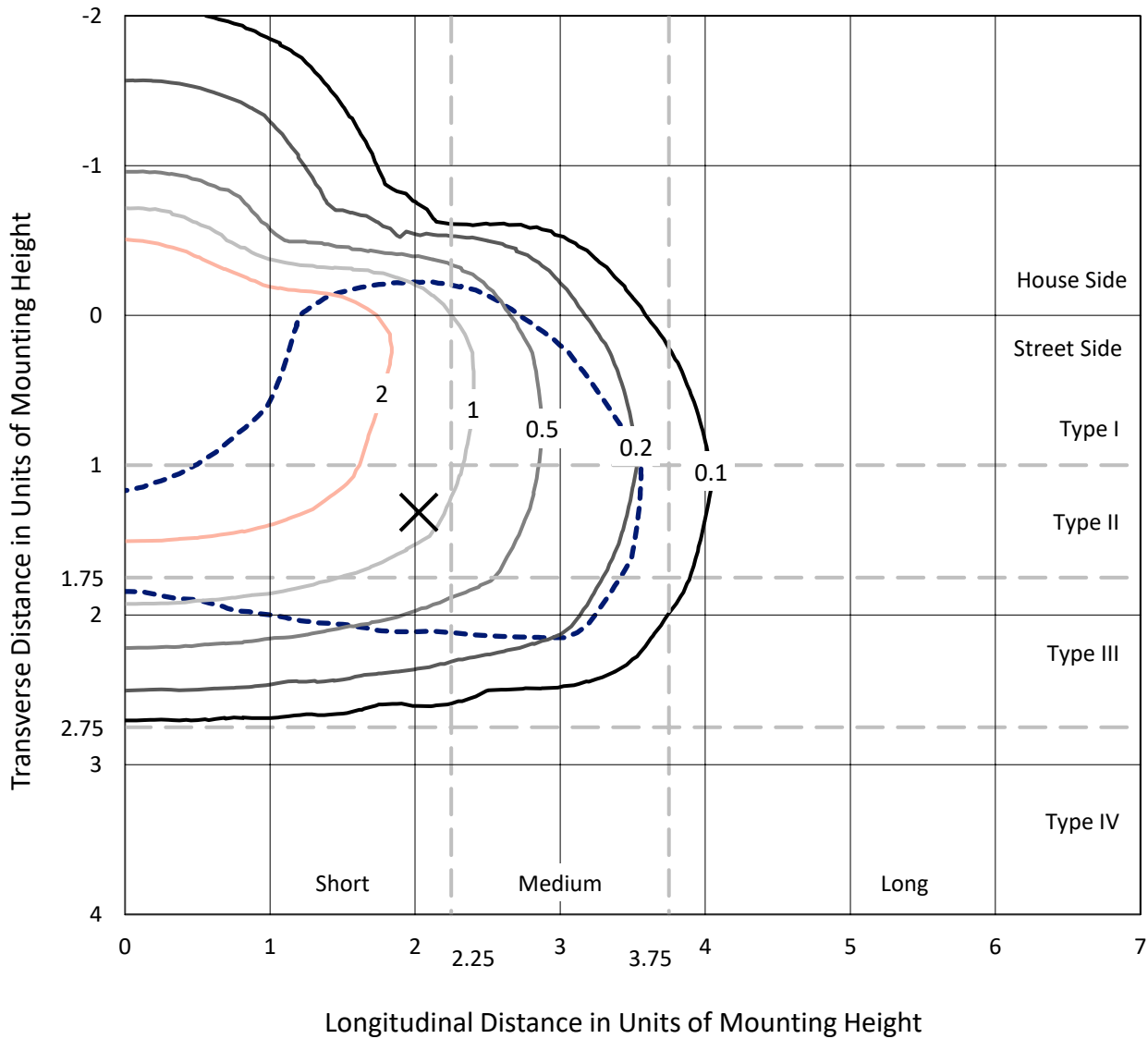


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Iso-Footcandle Lines of Horizontal Illumination

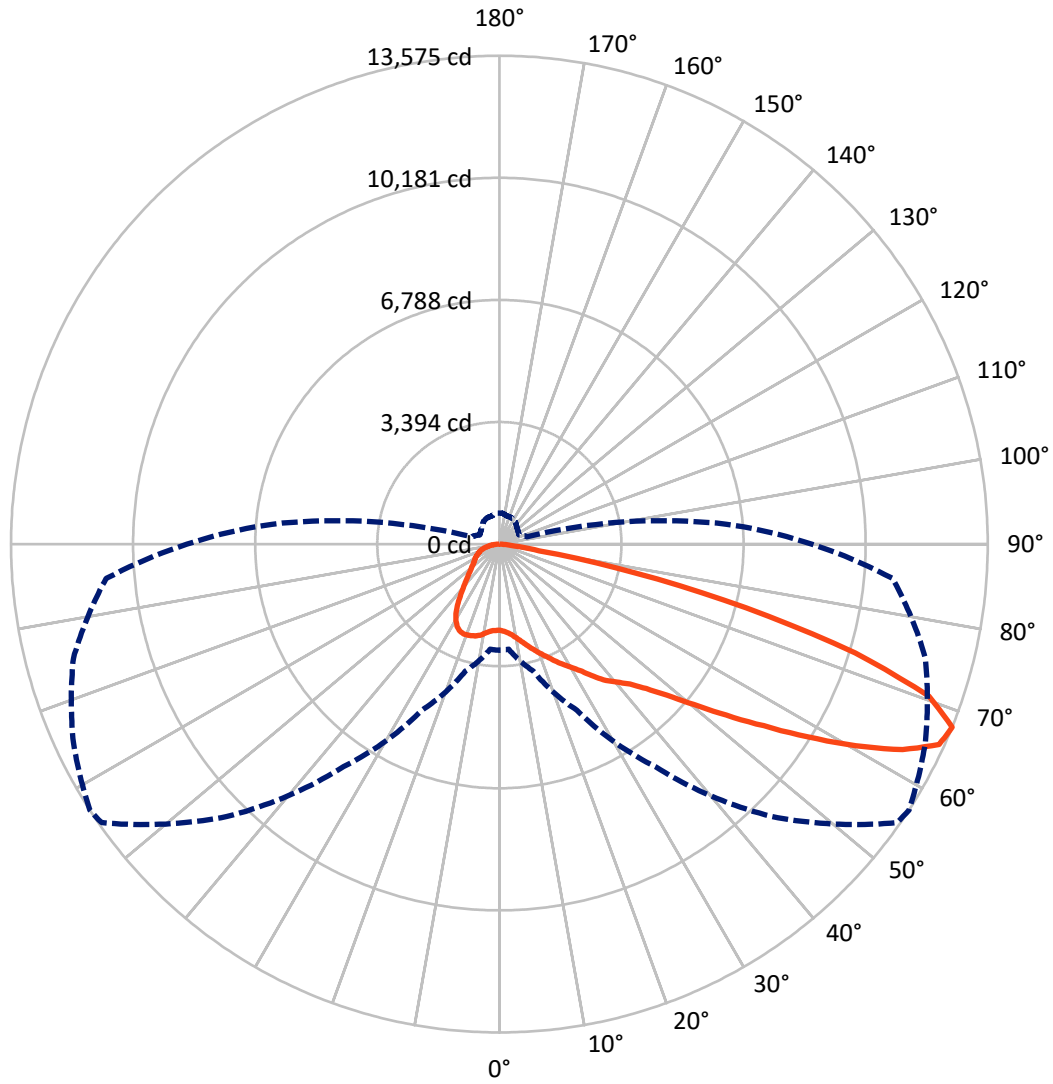
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	4368.7	0.0	4368.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	15501.3	0.0	15501.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	19870.0	0.0	19870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.5	1.2
10°-20°	786.1	4.0
20°-30°	1401.5	7.1
30°-40°	2037.5	10.3
40°-50°	2949.0	14.8
50°-60°	4615.1	23.2
60°-70°	5383.8	27.1
70°-80°	2247.4	11.3
80°-90°	212.1	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°	19870.0	100.0
0°-180°	19870.0	100.0

Coefficient of Utilization



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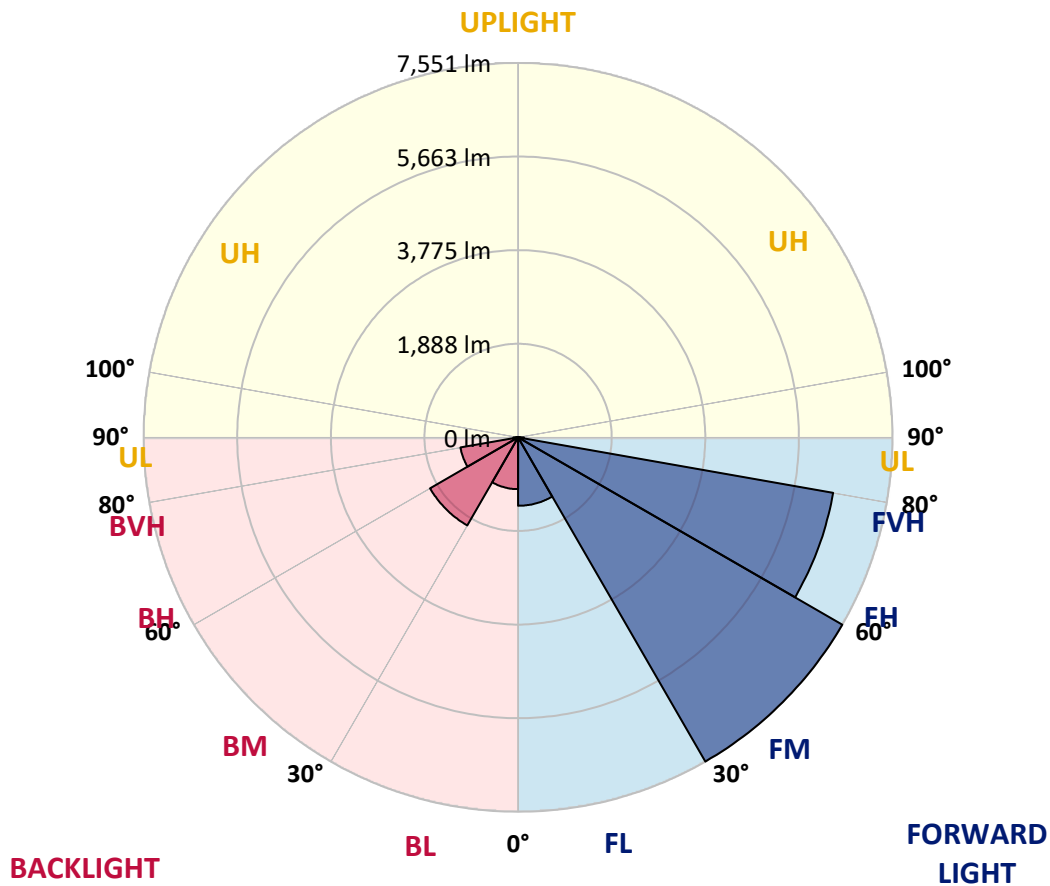
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1380.2	6.9			
FM (30°-60°)	7550.9	38.0			
FH (60°-80°)	6452.1	32.5			G3/7500
FVH (80°-90°)	118.2	0.6			G2/225
BL (0°-30°)	1044.8	5.3	B3/2500		
BM (30°-60°)	2050.8	10.3	B2/2500		
BH (60°-80°)	1179.1	5.9	B3/2500		G3/2500
BVH (80°-90°)	93.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2
2.5°	2428.4	2425.5	2424.1	2432.6	2429.8	2428.4	2428.4	2426.9	2424.1	2412.7	2397.0
5°	2495.3	2489.6	2483.9	2491.0	2485.3	2479.6	2478.2	2475.3	2465.4	2448.3	2424.1
7.5°	2565.0	2559.3	2560.7	2565.0	2560.7	2557.9	2553.6	2550.8	2535.1	2508.1	2475.3
10°	2663.2	2663.2	2666.1	2670.3	2671.8	2667.5	2659.0	2654.7	2636.2	2602.0	2556.5
12.5°	2805.6	2802.7	2802.7	2799.9	2804.1	2799.9	2791.3	2784.2	2761.4	2717.3	2651.8
15°	2993.5	2982.1	2972.1	2953.6	2947.9	2932.3	2935.1	2930.8	2909.5	2849.7	2767.1
17.5°	3194.2	3192.7	3177.1	3140.1	3103.1	3077.4	3083.1	3081.7	3070.3	2989.2	2883.9
20°	3370.7	3377.8	3363.6	3335.1	3285.3	3236.9	3234.0	3241.1	3226.9	3145.8	2999.2
22.5°	3568.5	3562.8	3548.6	3511.6	3474.6	3423.3	3406.3	3400.6	3394.9	3302.3	3117.3
25°	3756.4	3773.5	3755.0	3720.8	3663.9	3608.4	3594.1	3599.8	3584.2	3461.8	3244.0
27.5°	3994.1	4001.2	3989.9	3942.9	3894.5	3816.2	3789.2	3789.2	3783.5	3611.2	3343.6
30°	4247.5	4267.4	4247.5	4209.1	4159.2	4046.8	3988.4	3982.7	3965.7	3765.0	3460.3
32.5°	4502.3	4516.5	4502.3	4465.3	4408.3	4310.1	4226.1	4213.3	4190.6	3932.9	3579.9
35°	4728.6	4741.4	4738.6	4747.1	4700.1	4576.3	4525.1	4519.4	4459.6	4152.1	3742.2
37.5°	4976.3	4991.9	4970.6	4987.7	4969.2	4852.5	4836.8	4808.3	4722.9	4358.5	3913.0
40°	5258.1	5272.4	5238.2	5245.3	5224.0	5158.5	5078.8	5040.3	4913.7	4582.0	4182.0
42.5°	5559.9	5592.6	5608.3	5595.5	5545.7	5508.7	5369.2	5320.8	5215.4	4984.8	4624.7
45°	5996.9	6045.3	6068.1	6035.3	6014.0	5961.3	5790.5	5732.1	5676.6	5552.8	5242.5
47.5°	6468.0	6512.2	6584.8	6599.0	6616.1	6576.2	6335.7	6278.7	6288.7	6274.5	6002.6
50°	6843.8	6880.8	7044.5	7219.6	7364.8	7376.2	7068.7	7007.5	7061.6	7107.2	6917.8
52.5°	7117.1	7149.9	7366.2	7727.8	8056.6	8300.0	7968.3	7898.6	7942.7	8045.2	7958.4
55°	7339.2	7384.7	7611.0	8166.2	8830.9	9215.2	9003.2	8914.9	8896.4	9023.1	9072.9
57.5°	7455.9	7470.1	7787.6	8509.2	9398.9	10113.4	10206.0	10106.3	9929.8	9999.6	10258.6
60°	7189.7	7213.9	7648.1	8597.5	9847.2	11004.5	11468.5	11386.0	11010.2	11048.6	11334.7
62.5°	6453.8	6488.0	7010.4	8177.6	9884.3	11599.5	12634.3	12581.6	12077.8	11869.9	11955.3
65°	5177.0	5188.4	5729.3	7138.5	9148.3	11673.5	13447.1	13434.3	12823.6	12336.8	11971.0
67.5°	2952.2	2932.3	3655.4	5091.6	7549.8	10711.3	13499.8	13575.2	13065.6	12260.0	10974.6
70°	1279.7	1282.5	1615.6	2512.3	4886.6	8657.3	12538.9	12668.5	12365.3	10980.3	8731.3
72.5°	592.1	600.7	744.5	1087.5	2086.7	5370.6	10224.5	10341.2	10080.7	8788.2	6352.7
75°	418.5	425.6	496.8	623.5	959.4	2092.4	6839.6	7084.4	7211.1	6573.4	4186.3
77.5°	317.4	327.4	363.0	432.7	592.1	741.6	3272.5	3856.1	4593.4	4089.5	2156.5
80°	202.1	202.1	240.6	289.0	361.5	385.7	945.2	1120.2	2247.6	1685.3	846.9
82.5°	136.6	140.9	163.7	183.6	207.8	219.2	405.7	432.7	649.1	573.6	348.7
85°	72.6	75.4	85.4	84.0	99.6	86.8	170.8	169.4	237.7	260.5	132.4
87.5°	0.0	0.0	1.4	1.4	2.8	4.3	18.5	19.9	49.8	79.7	44.1
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°	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2	2394.2
2.5°	2405.6	2388.5	2397.0	2394.2	2402.7	2402.7	2387.1	2382.8	2384.2	2367.2	2361.5
5°	2426.9	2407.0	2411.3	2405.6	2414.1	2421.2	2414.1	2414.1	2422.7	2409.9	2402.7
7.5°	2475.3	2452.6	2452.6	2445.4	2455.4	2461.1	2455.4	2463.9	2479.6	2466.8	2459.7
10°	2552.2	2525.2	2526.6	2518.0	2522.3	2519.5	2496.7	2489.6	2493.8	2482.5	2476.8
12.5°	2651.8	2614.8	2614.8	2597.7	2587.8	2557.9	2510.9	2493.8	2496.7	2486.7	2482.5
15°	2747.2	2713.0	2705.9	2671.8	2626.2	2570.7	2528.0	2516.6	2519.5	2509.5	2502.4
17.5°	2859.7	2815.5	2789.9	2727.3	2643.3	2586.4	2543.7	2516.6	2493.8	2471.1	2465.4
20°	2963.6	2908.1	2861.1	2764.3	2661.8	2583.5	2503.8	2436.9	2381.4	2351.5	2344.4
22.5°	3070.3	2999.2	2916.6	2789.9	2660.4	2532.3	2385.7	2284.6	2202.0	2157.9	2166.5
25°	3171.4	3081.7	2969.3	2814.1	2614.8	2418.4	2219.1	2068.2	1974.3	1940.1	1930.2
27.5°	3255.4	3144.3	3017.7	2802.7	2520.9	2254.7	1991.4	1823.4	1732.3	1693.9	1683.9
30°	3349.3	3224.1	3087.4	2750.1	2372.8	2025.5	1733.7	1597.1	1531.6	1494.6	1496.0
32.5°	3457.5	3326.5	3185.6	2649.0	2183.5	1777.9	1521.6	1427.7	1375.0	1338.0	1332.3
35°	3602.7	3473.2	3251.1	2496.7	1943.0	1550.1	1376.5	1299.6	1234.1	1185.7	1175.7
37.5°	3782.0	3693.8	3258.2	2293.1	1685.3	1393.5	1272.5	1190.0	1110.3	1046.2	1039.1
40°	4089.5	3988.4	3199.9	2038.3	1466.1	1292.5	1185.7	1090.3	997.8	926.6	916.7
42.5°	4527.9	4320.1	3074.6	1750.8	1301.0	1212.8	1103.2	982.2	888.2	838.4	831.3
45°	5085.9	4690.2	2886.7	1480.4	1178.6	1134.5	1016.3	889.6	839.8	804.2	797.1
47.5°	5769.1	5121.5	2670.3	1269.7	1083.2	1063.3	928.1	858.3	814.2	784.3	777.2
50°	6586.2	5670.9	2492.4	1104.6	997.8	980.7	899.6	839.8	804.2	780.0	774.3
52.5°	7518.5	6281.6	2405.6	986.4	923.8	906.7	889.6	835.6	805.7	787.2	780.0
55°	8486.5	6925.0	2324.5	895.3	861.2	871.1	891.1	849.8	827.0	802.8	795.7
57.5°	9421.6	7528.5	2125.2	824.2	815.6	854.1	898.2	864.0	837.0	812.8	804.2
60°	10066.5	7858.7	1787.8	767.2	781.5	832.7	879.7	842.7	808.5	798.5	794.3
62.5°	10240.1	7818.9	1387.8	708.9	740.2	785.7	831.3	807.1	771.5	787.2	788.6
65°	9834.4	7391.8	1041.9	651.9	686.1	724.5	781.5	771.5	758.7	801.4	802.8
67.5°	8685.7	6342.8	794.3	602.1	630.6	677.5	765.8	807.1	809.9	864.0	858.3
70°	6572.0	4738.6	622.0	555.1	587.9	677.5	815.6	834.1	800.0	849.8	838.4
72.5°	4543.6	3127.3	529.5	513.9	535.2	646.2	814.2	814.2	777.2	777.2	755.8
75°	2822.7	1839.1	461.2	461.2	461.2	565.1	791.4	750.1	684.7	654.8	637.7
77.5°	1393.5	893.9	387.2	401.4	385.7	472.6	646.2	613.5	573.6	542.3	530.9
80°	595.0	447.0	313.2	328.8	310.3	355.9	512.4	505.3	466.9	425.6	412.8
82.5°	273.3	230.6	250.5	257.6	226.3	267.6	374.4	374.4	353.0	296.1	274.7
85°	116.7	122.4	173.7	173.7	142.3	150.9	200.7	190.7	170.8	139.5	128.1
87.5°	39.9	59.8	88.3	76.9	29.9	12.8	7.1	2.8	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)