

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: P634922

Luminaire Tested: GWS-SA3C-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634922  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-760-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

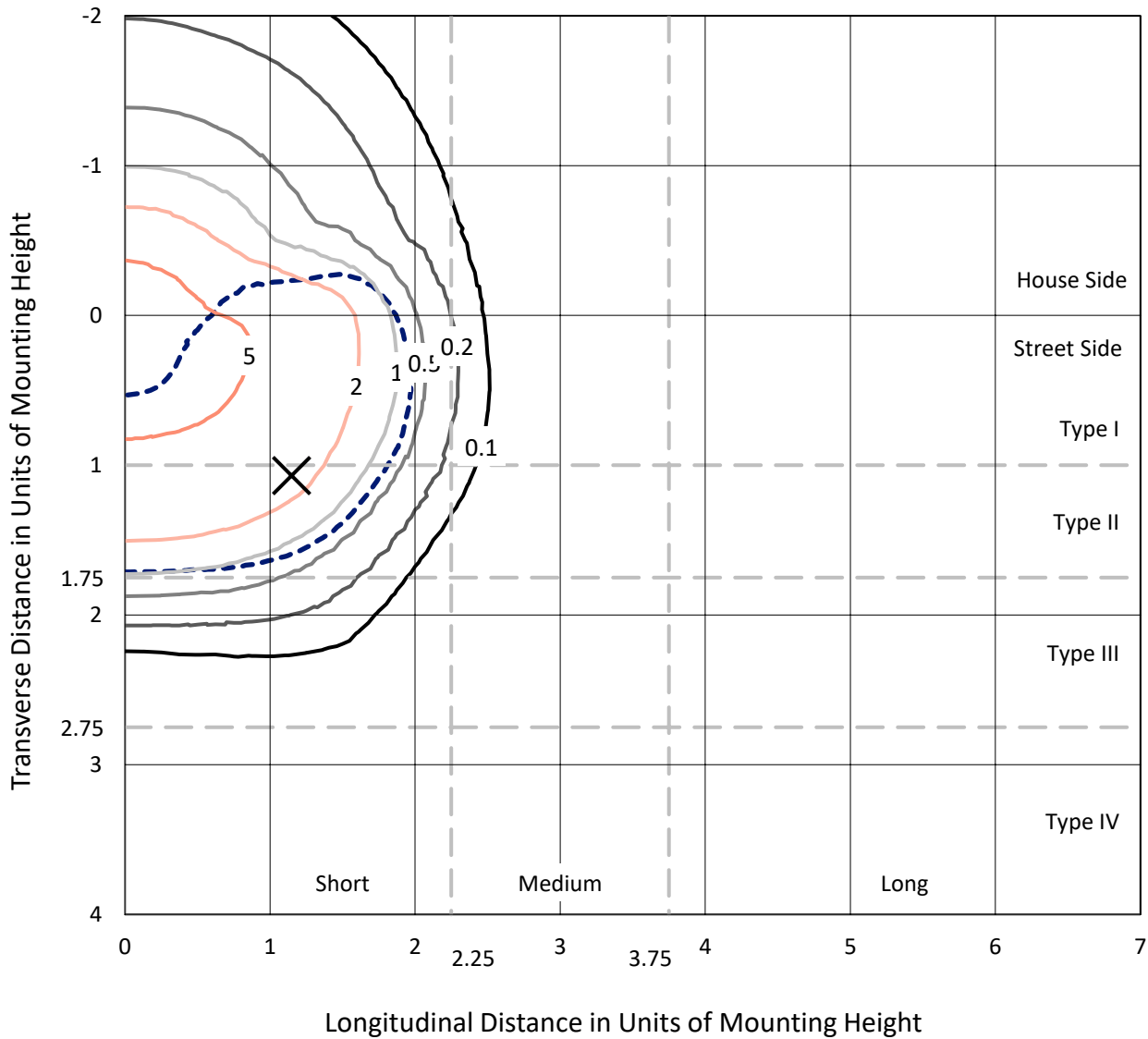
Lumens per Lamp: N/A  
Luminaire Lumens: 12011.9 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

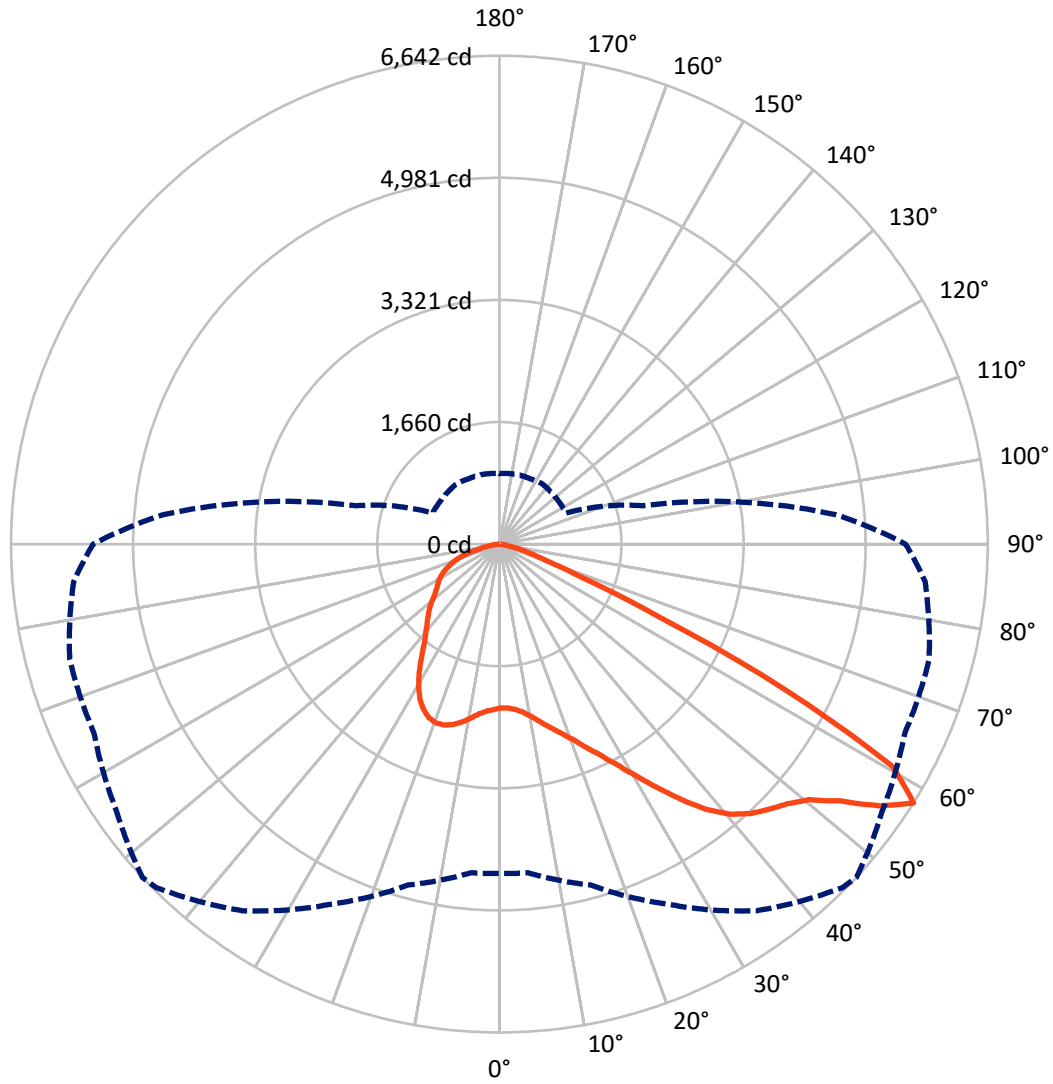
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3801.7	0.0	3801.7
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	8210.2	0.0	8210.2
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	12011.9	0.0	12011.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.7	1.8
10°-20°	722.7	6.0
20°-30°	1301.2	10.8
30°-40°	1965.3	16.4
40°-50°	2646.6	22.0
50°-60°	3180.2	26.5
60°-70°	1548.8	12.9
70°-80°	381.6	3.2
80°-90°	45.9	0.4
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°	12011.9	100.0
0°-180°	12011.9	100.0

**Coefficient of Utilization**



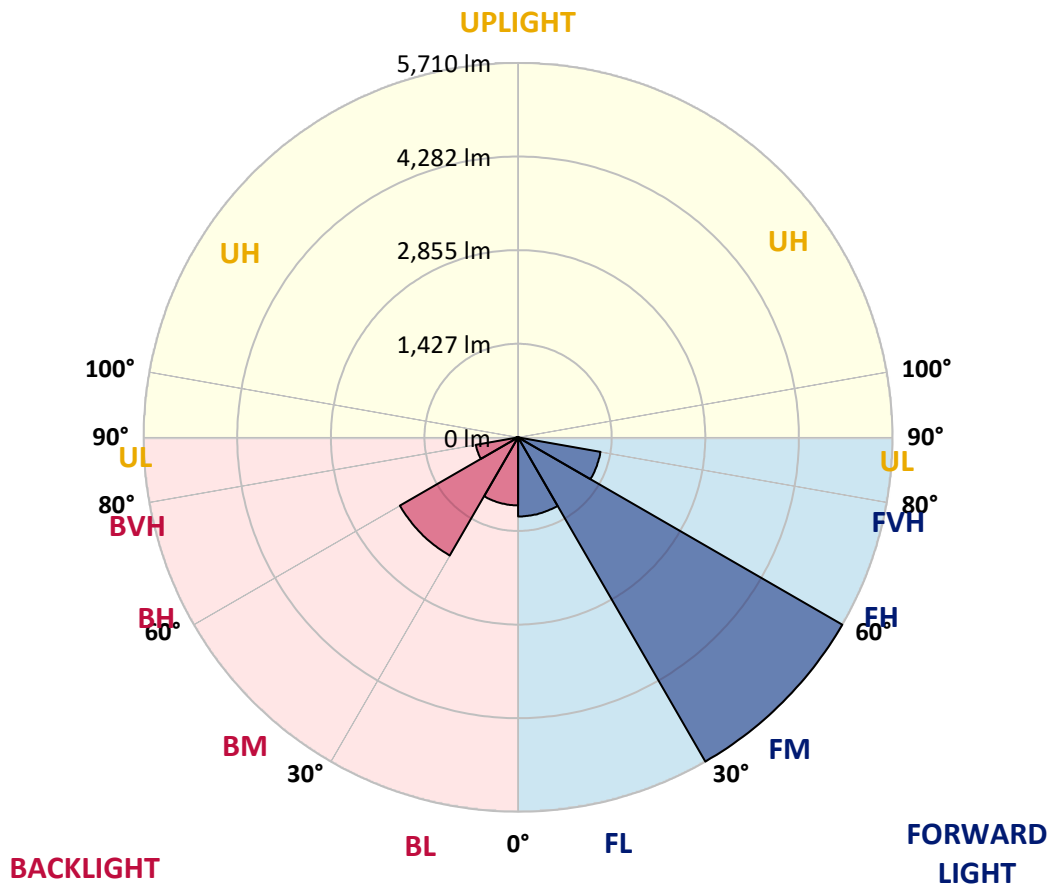
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1206.5	10.0			
FM (30°-60°)	5709.9	47.5			
FH (60°-80°)	1276.5	10.6			G1/1800
FVH (80°-90°)	17.2	0.1			G1/100
BL (0°-30°)	1037.0	8.6	B3/2500		
BM (30°-60°)	2082.2	17.3	B2/2500		
BH (60°-80°)	653.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	28.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6
2.5°	2223.6	2222.6	2222.6	2228.6	2228.6	2230.7	2233.7	2236.7	2237.7	2232.7	2221.6
5°	2247.8	2247.8	2247.8	2252.8	2252.8	2254.9	2258.9	2259.9	2258.9	2250.8	2239.7
7.5°	2286.1	2286.1	2287.1	2293.2	2298.2	2301.3	2308.3	2307.3	2304.3	2291.2	2277.1
10°	2348.7	2351.7	2354.7	2361.8	2371.9	2379.0	2384.0	2384.0	2380.0	2359.8	2341.6
12.5°	2437.5	2441.5	2444.5	2450.6	2458.7	2470.8	2481.9	2481.9	2476.8	2451.6	2424.4
15°	2541.4	2545.4	2544.4	2546.4	2561.6	2578.7	2587.8	2593.9	2595.9	2560.6	2518.2
17.5°	2660.4	2664.5	2660.4	2654.4	2656.4	2683.6	2699.8	2722.0	2735.1	2687.7	2620.1
20°	2768.4	2764.4	2764.4	2768.4	2774.4	2807.7	2831.9	2868.3	2884.4	2826.9	2722.0
22.5°	2882.4	2891.5	2887.4	2887.4	2911.7	2967.1	2996.4	3043.8	3061.0	2986.3	2845.1
25°	3029.7	3037.8	3035.7	3037.8	3066.0	3144.7	3174.0	3261.7	3278.9	3171.9	2981.3
27.5°	3191.1	3204.2	3210.3	3208.3	3253.7	3356.6	3392.9	3515.0	3546.2	3379.8	3126.5
30°	3401.0	3415.1	3420.1	3418.1	3471.6	3611.8	3653.2	3792.4	3836.8	3625.9	3311.2
32.5°	3644.1	3658.2	3673.4	3679.4	3748.0	3891.3	3950.8	4095.1	4158.6	3910.4	3534.1
35°	3885.2	3897.3	3926.6	3974.0	4067.8	4214.1	4266.6	4408.8	4470.4	4206.1	3803.5
37.5°	4151.6	4159.6	4184.9	4250.4	4385.6	4524.9	4577.3	4713.5	4720.6	4491.6	4108.2
40°	4443.1	4443.1	4438.1	4502.7	4643.9	4784.1	4829.5	4908.2	4866.9	4711.5	4404.8
42.5°	4690.3	4686.3	4690.3	4750.9	4855.8	4969.8	5009.1	4994.0	4941.5	4880.0	4673.2
45°	4913.3	4916.3	4952.6	4999.0	5053.5	5121.1	5144.3	5058.6	5011.1	5015.2	4888.1
47.5°	5064.6	5067.6	5152.4	5230.1	5263.4	5284.6	5274.5	5155.4	5131.2	5176.6	5053.5
50°	5084.8	5100.9	5247.2	5406.6	5489.4	5492.4	5464.1	5318.9	5311.8	5363.2	5142.3
52.5°	5088.8	5105.0	5287.6	5575.1	5790.0	5835.4	5803.1	5651.8	5578.1	5526.7	5251.3
55°	5073.7	5091.9	5293.6	5688.1	6099.7	6281.3	6284.4	6070.5	5835.4	5801.1	5562.0
57.5°	4479.5	4486.5	4799.3	5400.6	6087.6	6602.2	6641.5	6350.9	6082.6	6050.3	5811.2
60°	3120.5	3148.7	3488.7	4282.7	5114.1	6021.0	6148.2	6063.4	5883.8	5648.8	4985.9
62.5°	1562.8	1587.0	1928.0	2678.6	3527.1	4243.4	4379.6	4469.4	4511.7	4259.5	3394.9
65°	672.9	691.1	903.0	1399.3	1996.6	2342.6	2390.1	2498.0	2762.3	2464.7	1829.1
67.5°	450.0	462.1	570.0	853.5	1176.4	1198.6	1191.5	1214.7	1272.2	1050.3	826.3
70°	345.0	355.1	427.8	625.5	845.4	723.4	685.0	621.5	674.9	688.1	669.9
72.5°	250.2	258.3	312.8	426.8	529.7	462.1	456.0	488.3	560.9	581.1	570.0
75°	161.4	165.5	198.8	234.1	273.4	296.6	308.7	367.2	440.9	456.0	442.9
77.5°	108.0	111.0	130.1	150.3	155.4	156.4	160.4	186.6	237.1	265.3	262.3
80°	56.5	56.5	63.6	63.6	72.6	86.8	90.8	108.0	131.2	145.3	146.3
82.5°	22.2	23.2	27.2	30.3	36.3	44.4	47.4	56.5	68.6	78.7	87.8
85°	9.1	10.1	11.1	13.1	16.1	20.2	21.2	24.2	32.3	40.4	45.4
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	3.0	4.0	5.0	9.1	12.1
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°	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6	2227.6
2.5°	2234.7	2221.6	2234.7	2238.7	2249.8	2253.9	2246.8	2245.8	2245.8	2235.7	2232.7
5°	2249.8	2237.7	2250.8	2256.9	2273.0	2283.1	2285.1	2293.2	2298.2	2294.2	2293.2
7.5°	2287.1	2272.0	2286.1	2295.2	2316.4	2332.5	2339.6	2357.8	2370.9	2368.9	2367.9
10°	2352.7	2332.5	2348.7	2363.8	2387.0	2406.2	2407.2	2417.3	2430.4	2426.4	2424.4
12.5°	2428.4	2409.2	2427.4	2442.5	2469.8	2477.8	2464.7	2460.7	2462.7	2457.7	2453.6
15°	2521.2	2494.0	2510.1	2527.3	2542.4	2533.3	2505.1	2494.0	2493.0	2485.9	2481.9
17.5°	2614.0	2579.7	2591.8	2600.9	2593.9	2565.6	2530.3	2511.1	2502.0	2487.9	2483.9
20°	2705.8	2662.5	2660.4	2653.4	2621.1	2569.6	2522.2	2483.9	2460.7	2441.5	2434.4
22.5°	2810.8	2750.2	2720.0	2687.7	2617.1	2533.3	2461.7	2407.2	2369.9	2345.7	2337.6
25°	2923.8	2838.0	2775.5	2710.9	2576.7	2455.6	2355.8	2281.1	2236.7	2210.5	2201.4
27.5°	3035.7	2917.7	2823.9	2713.9	2496.0	2343.6	2209.5	2108.6	2064.2	2043.0	2035.9
30°	3187.1	3023.6	2881.4	2674.6	2390.1	2188.3	2020.8	1918.9	1889.6	1874.5	1868.5
32.5°	3361.6	3157.8	2958.1	2591.8	2254.9	2006.7	1830.1	1759.5	1739.3	1710.1	1709.1
35°	3591.6	3349.5	3030.7	2469.8	2084.4	1812.0	1683.8	1633.4	1597.1	1550.7	1546.6
37.5°	3860.0	3588.6	3070.0	2314.4	1885.6	1651.5	1574.9	1518.4	1459.9	1398.3	1390.2
40°	4137.4	3868.1	3073.1	2130.8	1690.9	1545.6	1481.0	1407.4	1334.8	1266.2	1257.1
42.5°	4429.0	4128.4	3019.6	1918.9	1531.5	1453.8	1388.2	1295.4	1213.7	1167.3	1162.2
45°	4689.3	4338.2	2898.5	1695.9	1413.5	1377.1	1293.4	1193.5	1150.1	1116.8	1109.8
47.5°	4894.1	4477.4	2735.1	1496.2	1317.6	1298.4	1189.5	1138.0	1104.7	1074.5	1067.4
50°	4995.0	4508.7	2522.2	1333.7	1228.8	1205.6	1131.0	1091.6	1069.4	1045.2	1039.2
52.5°	5120.1	4544.0	2338.6	1197.5	1142.1	1110.8	1082.5	1051.3	1035.1	1020.0	1014.9
55°	5407.6	4677.2	2241.7	1088.6	1059.3	1045.2	1041.2	1014.9	1009.9	999.8	990.7
57.5°	5524.7	4591.4	2012.7	999.8	993.8	995.8	1005.9	981.6	976.6	964.5	958.4
60°	4443.1	3470.6	1363.0	923.1	939.3	952.4	962.5	938.3	931.2	929.2	921.1
62.5°	2847.1	2134.8	951.4	851.5	875.7	891.9	897.9	874.7	869.7	885.8	886.8
65°	1482.1	1163.2	771.8	774.8	795.0	819.2	831.3	823.3	821.2	838.4	839.4
67.5°	756.7	711.3	672.9	684.0	700.2	731.4	759.7	795.0	807.1	809.1	810.1
70°	644.7	624.5	605.3	612.4	629.5	646.7	673.9	691.1	670.9	665.9	663.8
72.5°	548.8	533.7	524.6	532.7	541.8	538.7	530.7	538.7	541.8	542.8	543.8
75°	426.8	415.7	408.6	409.6	409.6	398.5	383.4	374.3	364.2	356.1	356.1
77.5°	261.3	263.3	270.4	269.4	268.4	264.3	249.2	241.1	216.9	209.8	209.8
80°	149.3	152.3	159.4	161.4	161.4	156.4	141.2	132.2	121.1	116.0	115.0
82.5°	90.8	94.8	98.9	100.9	101.9	95.8	82.7	75.7	69.6	64.6	64.6
85°	47.4	49.4	53.5	54.5	51.5	45.4	38.3	35.3	29.3	28.2	28.2
87.5°	13.1	14.1	16.1	13.1	12.1	9.1	5.0	4.0	2.0	1.0	1.0
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)