

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: P631379

Luminaire Tested: GWS-SA1F-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7217.1 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

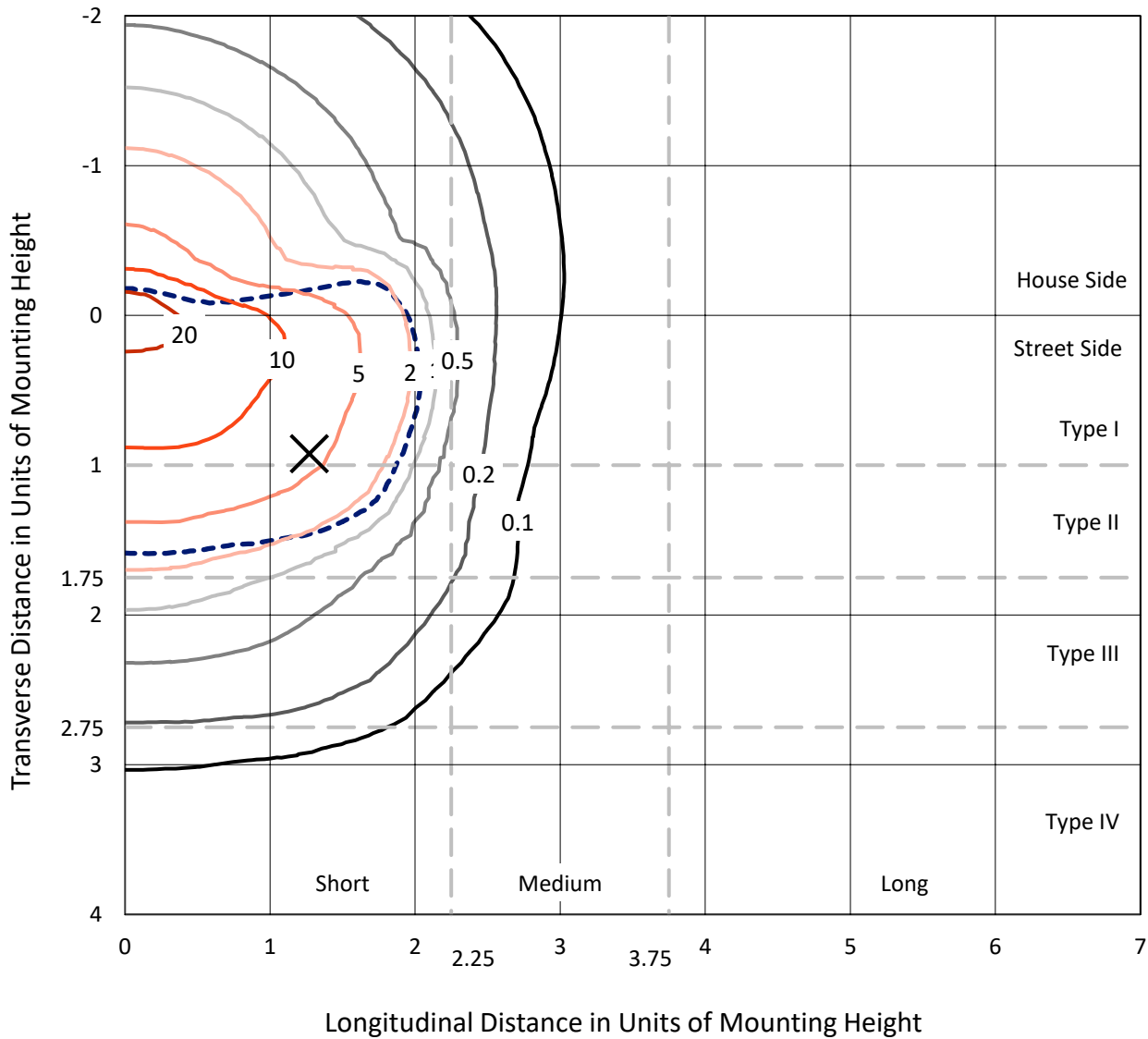
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

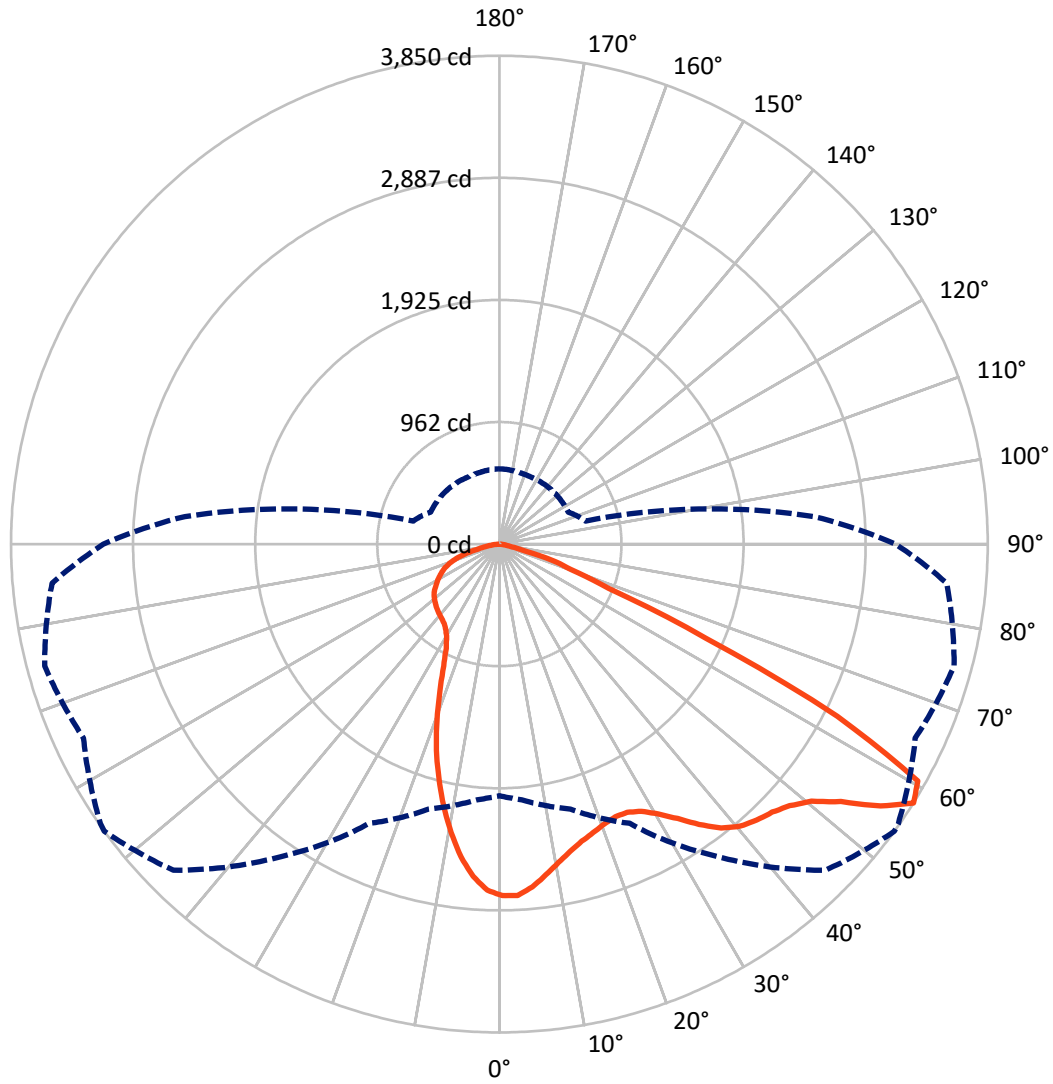
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2098.1	0.0	2098.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	5119.0	0.0	5119.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	7217.1	0.0	7217.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.6	3.4
10°-20°	581.1	8.1
20°-30°	804.2	11.1
30°-40°	1117.5	15.5
40°-50°	1475.8	20.4
50°-60°	1753.8	24.3
60°-70°	971.6	13.5
70°-80°	242.0	3.4
80°-90°	27.5	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°	7217.1	100.0
0°-180°	7217.1	100.0

Coefficient of Utilization



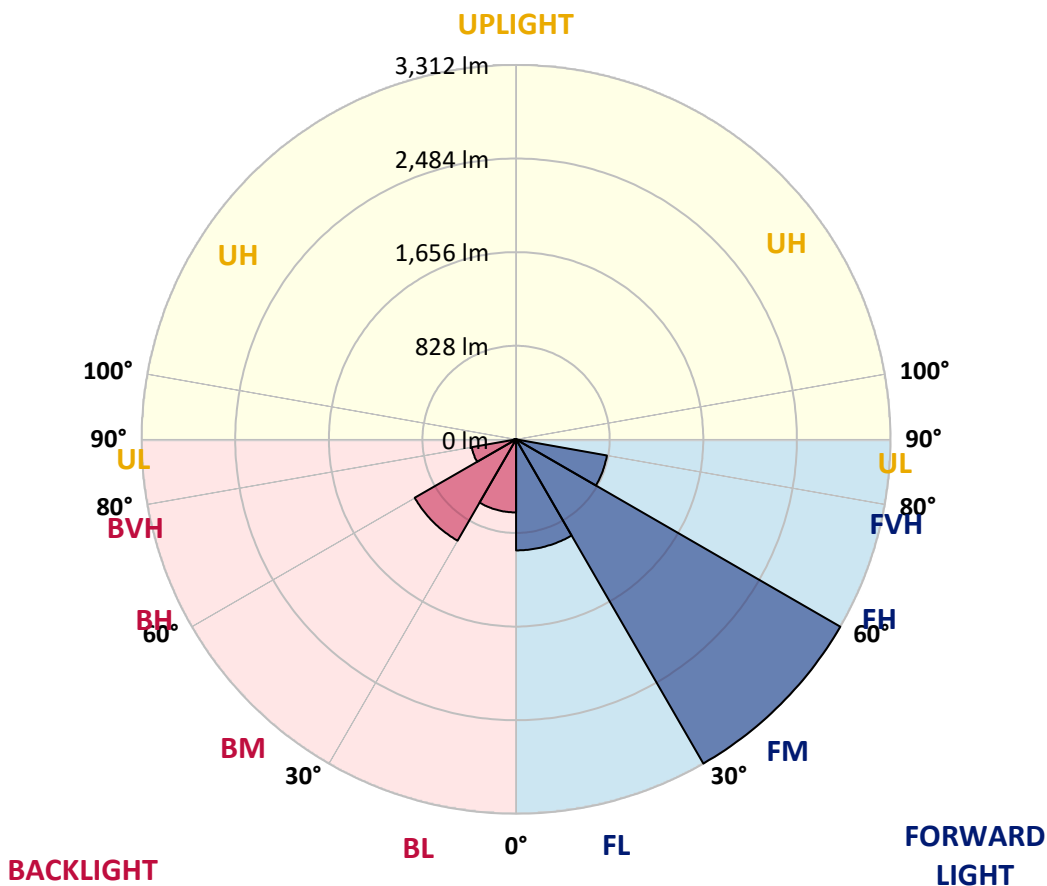
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	982.4	13.6			
FM (30°-60°)	3312.0	45.9			
FH (60°-80°)	816.0	11.3			G1/1800
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	646.5	9.0	B2/1000		
BM (30°-60°)	1035.0	14.3	B2/2500		
BH (60°-80°)	397.6	5.5	B1/500		G1/500
BVH (80°-90°)	18.9	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8
2.5°	2718.9	2724.5	2728.2	2741.2	2752.3	2762.2	2772.7	2772.7	2772.0	2770.2	2766.5
5°	2611.4	2617.6	2626.2	2644.2	2668.3	2685.6	2714.0	2716.4	2728.8	2733.7	2731.3
7.5°	2486.6	2488.5	2499.6	2523.1	2561.4	2592.3	2633.0	2638.0	2667.6	2684.9	2681.8
10°	2350.1	2343.9	2363.7	2398.3	2448.3	2500.2	2552.7	2557.1	2604.6	2637.4	2634.9
12.5°	2225.3	2225.9	2245.7	2287.7	2350.1	2414.3	2484.8	2494.7	2553.3	2595.4	2591.0
15°	2120.9	2123.4	2147.5	2195.0	2266.1	2342.7	2430.4	2439.7	2513.8	2569.4	2557.1
17.5°	2037.5	2040.0	2061.0	2115.3	2191.3	2284.0	2390.9	2400.1	2492.2	2558.3	2533.0
20°	1980.0	1978.8	1999.2	2051.1	2129.5	2230.2	2356.3	2369.9	2485.4	2562.6	2516.9
22.5°	1956.6	1955.9	1970.8	2013.4	2086.9	2188.8	2335.3	2353.8	2492.8	2581.8	2507.0
25°	1968.3	1965.8	1978.8	2010.3	2069.0	2172.8	2341.4	2361.2	2524.3	2621.3	2508.9
27.5°	2004.7	2001.7	2012.8	2041.2	2085.7	2189.5	2384.7	2407.5	2591.0	2693.6	2533.6
30°	2060.3	2058.5	2069.6	2096.8	2135.7	2245.1	2467.5	2493.4	2694.2	2806.0	2587.3
32.5°	2125.2	2122.1	2141.9	2173.4	2218.5	2346.4	2578.7	2612.7	2816.5	2950.6	2677.5
35°	2198.1	2195.6	2222.8	2268.5	2333.4	2487.2	2713.4	2750.4	2941.3	3114.3	2797.4
37.5°	2269.2	2269.2	2321.7	2389.6	2471.2	2640.5	2840.0	2863.5	3027.8	3259.5	2925.9
40°	2332.2	2335.9	2415.0	2516.9	2620.7	2778.8	2923.4	2943.2	3066.1	3359.6	3037.7
42.5°	2402.0	2405.1	2497.1	2630.6	2754.1	2890.7	2974.1	2983.9	3073.5	3409.6	3116.8
45°	2457.6	2461.9	2576.2	2718.9	2870.3	2974.7	3014.2	3022.9	3084.0	3436.8	3174.2
47.5°	2486.6	2492.8	2623.8	2790.0	2948.7	3050.1	3080.3	3084.0	3127.3	3484.4	3243.4
50°	2481.7	2494.0	2641.7	2825.2	3006.8	3126.0	3186.6	3192.8	3215.6	3554.2	3324.4
52.5°	2525.5	2531.1	2680.0	2867.2	3089.6	3266.3	3371.3	3380.0	3369.5	3606.7	3372.5
55°	2452.6	2479.2	2632.4	2861.0	3215.6	3483.1	3645.0	3640.7	3509.1	3665.4	3452.9
57.5°	1983.7	2022.7	2162.9	2428.6	3008.0	3635.1	3849.5	3839.0	3617.2	3710.5	3540.0
60°	1373.4	1379.5	1506.2	1694.6	2321.7	3211.3	3789.6	3812.4	3637.0	3653.6	3378.7
62.5°	1098.4	1096.6	1108.3	1113.3	1476.5	2257.4	2991.4	3074.8	3021.6	2846.8	2394.6
65°	937.8	944.6	979.2	961.3	963.8	1271.4	1787.3	1799.0	1762.0	1698.9	1266.5
67.5°	733.9	745.7	806.8	876.7	854.4	818.6	927.3	921.7	726.5	562.2	464.6
70°	459.6	467.1	532.5	688.2	743.8	672.2	596.2	593.7	389.2	320.0	350.9
72.5°	268.1	269.4	287.9	383.7	493.6	459.6	438.6	422.6	250.2	255.1	279.9
75°	147.7	147.7	147.0	165.6	194.6	172.4	166.8	162.5	167.4	189.7	208.2
77.5°	30.9	31.5	33.4	43.9	56.8	69.2	87.1	87.7	109.3	126.6	141.5
80°	14.2	14.8	18.5	23.5	30.3	40.2	53.1	53.7	66.1	79.7	89.6
82.5°	7.4	8.0	9.9	12.4	16.1	21.0	29.7	29.7	39.5	47.0	53.1
85°	2.5	2.5	3.7	4.9	6.8	8.6	11.7	11.7	17.3	22.9	26.6
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.5	2.5	3.1	3.7	6.2
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°	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8	2770.8
2.5°	2758.5	2739.3	2739.9	2743.6	2731.9	2714.0	2702.2	2687.4	2678.1	2676.3	2683.1
5°	2718.9	2696.7	2681.2	2665.2	2631.8	2592.3	2561.4	2536.0	2519.4	2513.2	2505.8
7.5°	2664.5	2635.5	2596.6	2551.5	2490.9	2420.5	2371.1	2324.8	2292.6	2283.4	2279.0
10°	2610.2	2568.2	2499.0	2415.0	2314.3	2219.1	2129.5	2061.0	2006.6	1975.7	1985.6
12.5°	2554.0	2502.1	2394.0	2264.8	2124.6	1981.3	1863.9	1750.2	1662.5	1618.6	1605.6
15°	2504.5	2434.1	2283.4	2108.5	1922.0	1741.6	1571.7	1401.2	1290.0	1229.4	1212.7
17.5°	2462.5	2371.1	2166.6	1949.1	1726.1	1469.1	1260.3	1102.1	1026.2	992.8	990.3
20°	2421.1	2309.3	2051.1	1777.4	1500.0	1212.1	1025.5	951.4	924.2	912.5	911.9
22.5°	2384.1	2244.4	1929.4	1605.6	1275.1	1018.7	916.2	884.1	876.7	876.7	875.4
25°	2352.6	2179.6	1804.6	1423.4	1071.9	906.9	859.4	845.8	848.8	854.4	855.0
27.5°	2339.6	2128.9	1684.1	1236.2	931.6	842.1	820.4	818.6	827.2	835.9	837.1
30°	2353.2	2094.3	1560.5	1057.0	847.6	802.5	792.6	796.3	806.8	815.5	815.5
32.5°	2395.2	2077.0	1434.5	926.1	798.8	774.7	771.6	775.3	783.4	788.3	788.9
35°	2466.2	2083.8	1304.2	837.7	767.3	754.3	753.7	756.2	759.3	762.4	763.0
37.5°	2555.8	2114.1	1164.5	786.5	746.9	739.5	738.3	737.6	738.3	738.3	738.9
40°	2643.5	2159.8	1039.7	756.2	732.7	726.5	723.4	719.1	718.5	717.3	716.6
42.5°	2708.4	2195.0	940.3	734.6	719.7	712.3	708.6	701.8	701.2	700.6	700.0
45°	2757.2	2224.7	857.5	713.6	706.1	699.3	691.3	685.1	686.4	687.6	687.6
47.5°	2812.2	2250.6	797.0	693.8	689.5	682.7	672.8	668.5	672.8	677.1	677.1
50°	2878.9	2287.1	747.5	674.0	672.2	664.1	655.5	653.6	658.6	664.7	664.7
52.5°	2927.7	2318.6	712.3	654.2	654.2	643.7	636.3	635.7	641.3	647.4	648.1
55°	3019.2	2392.1	700.0	631.4	628.9	620.9	615.3	611.0	617.8	623.4	623.4
57.5°	3122.3	2489.7	703.1	598.6	595.6	593.1	588.8	583.8	585.7	591.8	592.5
60°	2903.6	2300.7	669.1	565.9	564.0	562.8	557.3	548.6	551.1	556.0	556.6
62.5°	2028.2	1529.0	541.2	525.1	531.3	530.7	523.3	513.4	514.0	520.8	520.8
65°	1052.7	827.2	475.1	488.1	497.3	493.6	481.3	472.6	471.4	480.0	478.2
67.5°	454.1	451.6	432.5	449.1	459.0	451.0	438.0	423.8	425.0	428.1	425.7
70°	365.7	376.9	384.9	402.8	410.8	396.0	381.8	373.8	367.0	366.4	362.0
72.5°	292.2	307.7	325.6	344.1	346.6	331.8	313.8	306.4	295.9	295.3	291.0
75°	219.9	232.9	247.1	261.9	261.9	247.7	236.0	232.3	219.9	216.2	212.5
77.5°	150.1	158.2	169.3	173.0	176.7	171.1	159.4	153.2	139.0	135.3	130.4
80°	94.5	100.1	106.9	109.3	113.1	106.3	97.0	90.2	80.3	77.2	74.8
82.5°	56.8	60.5	64.9	66.1	69.2	64.3	55.6	50.7	45.1	42.6	40.8
85°	29.0	30.9	33.4	34.0	33.4	28.4	25.3	22.9	19.2	18.5	17.3
87.5°	7.4	8.6	9.3	8.6	8.0	6.2	4.3	3.1	1.2	1.2	0.6
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)