

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: P633080

Luminaire Tested: GWS-SA2E-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9154 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

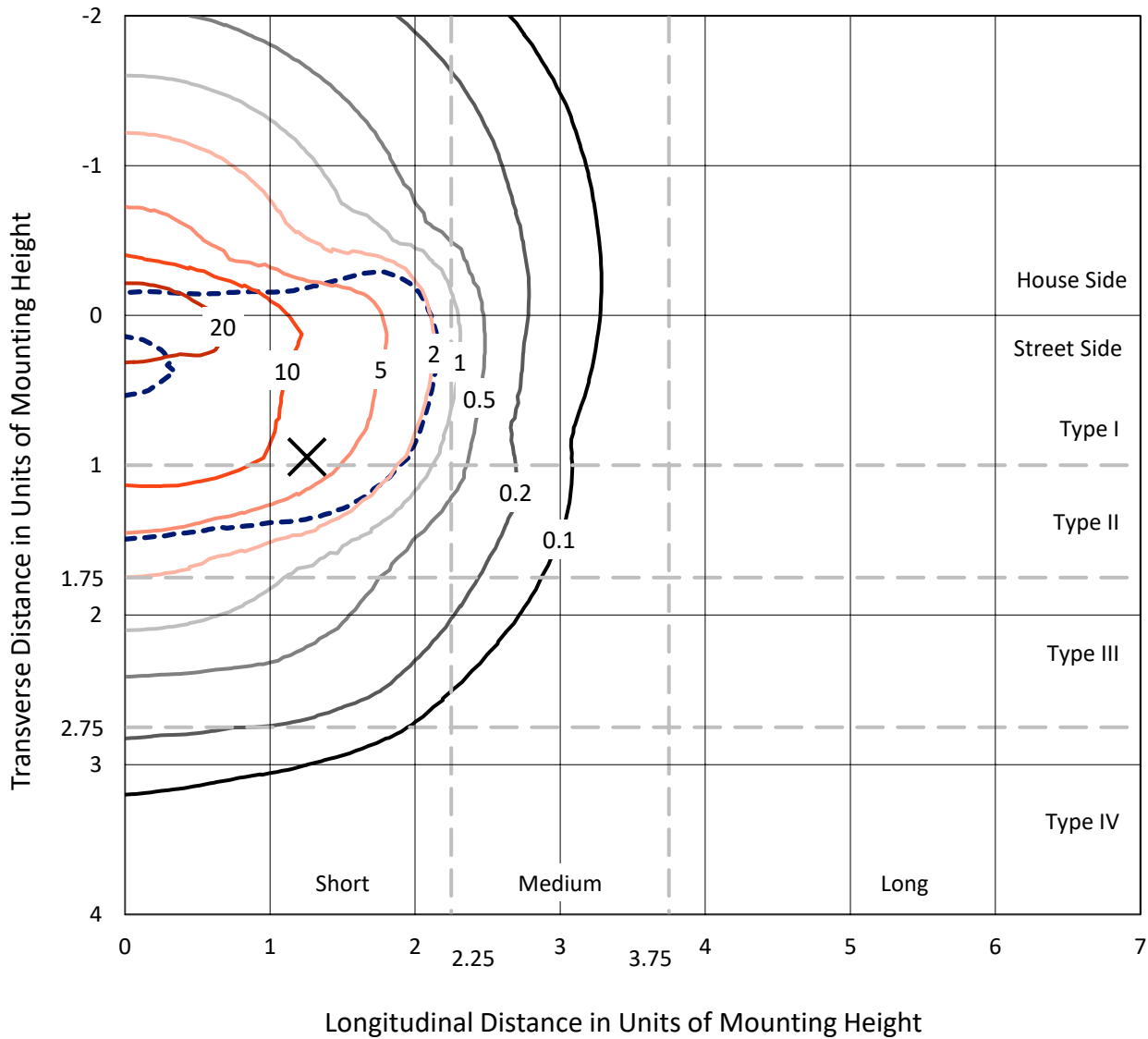
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

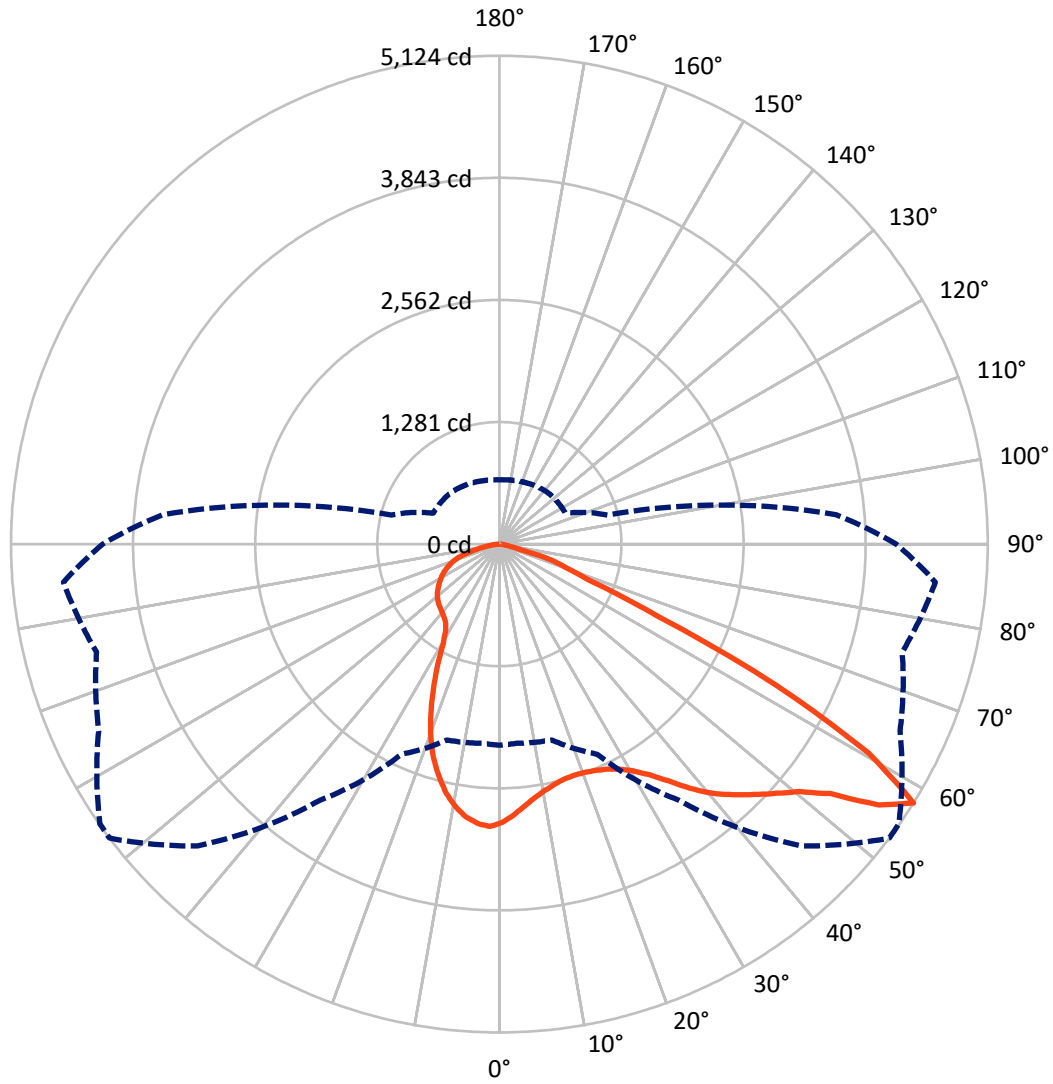
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2862.1	0.0	2862.1
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	6291.9	0.0	6291.9
	% Fixture	68.7	0.0	68.7
Total	Lumens	9154.0	0.0	9154.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.3	2.9
10°-20°	693.5	7.6
20°-30°	1021.8	11.2
30°-40°	1430.2	15.6
40°-50°	1880.1	20.5
50°-60°	2204.4	24.1
60°-70°	1298.7	14.2
70°-80°	323.1	3.5
80°-90°	37.9	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°	9154.0	100.0
0°-180°	9154.0	100.0

Coefficient of Utilization



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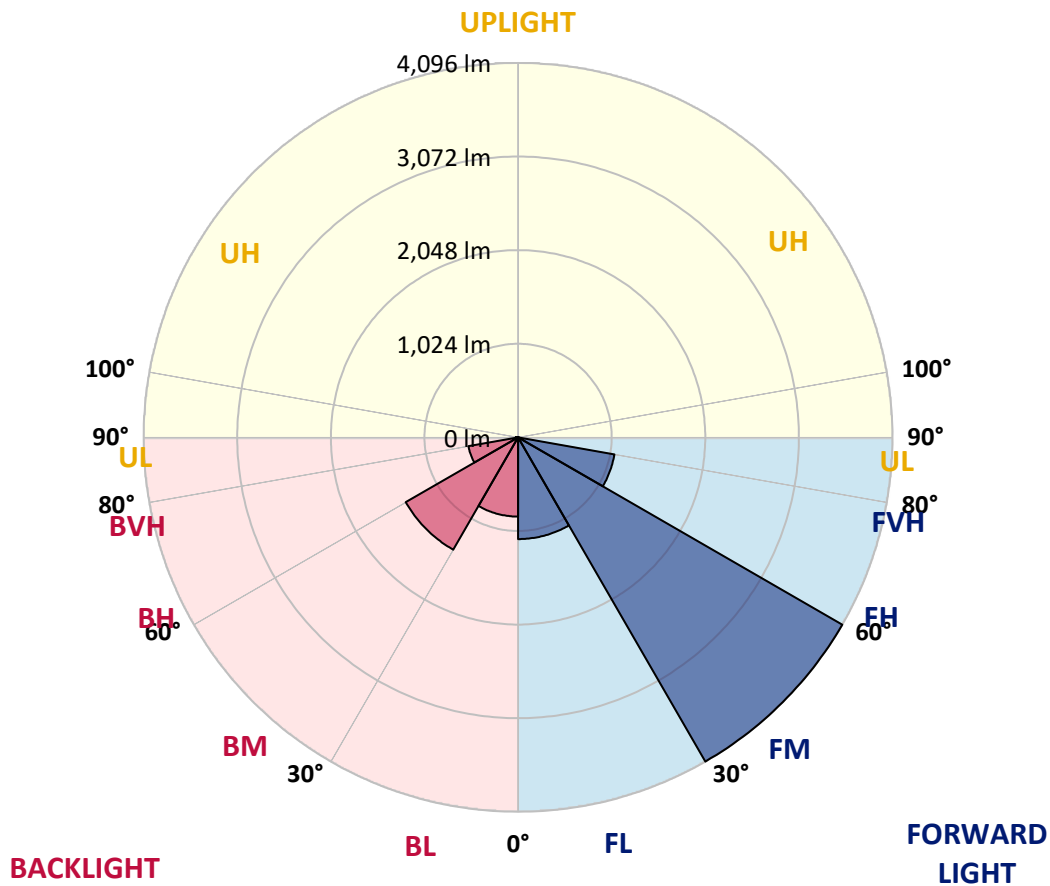
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1112.9	12.2			
FM (30°-60°)	4095.6	44.7			
FH (60°-80°)	1070.7	11.7			G1/1800
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	866.7	9.5	B2/1000		
BM (30°-60°)	1419.2	15.5	B2/2500		
BH (60°-80°)	551.1	6.0	B2/1000		G2/1000
BVH (80°-90°)	25.2	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1
2.5°	2755.2	2762.9	2764.4	2788.3	2789.8	2824.5	2847.6	2843.0	2866.9	2896.2	2919.3
5°	2623.4	2624.2	2631.9	2660.4	2675.8	2721.3	2759.8	2759.8	2806.0	2866.1	2917.7
7.5°	2514.8	2514.0	2520.9	2552.5	2578.0	2632.7	2685.0	2691.2	2755.9	2843.8	2927.7
10°	2413.8	2419.2	2426.9	2465.5	2497.8	2565.6	2628.0	2638.0	2719.7	2828.4	2941.6
12.5°	2349.1	2349.9	2361.5	2404.6	2446.2	2518.6	2584.1	2596.4	2690.4	2813.7	2951.6
15°	2307.5	2308.3	2320.6	2368.4	2416.9	2490.1	2557.2	2571.0	2673.5	2811.4	2970.9
17.5°	2289.0	2288.3	2299.8	2347.6	2400.7	2477.0	2548.7	2565.6	2681.2	2829.1	3004.8
20°	2289.0	2289.8	2296.0	2339.1	2393.0	2473.9	2557.2	2578.0	2711.2	2869.2	3057.2
22.5°	2321.4	2324.5	2327.6	2356.8	2399.2	2478.6	2579.5	2607.2	2776.0	2936.2	3125.8
25°	2384.6	2385.3	2388.4	2412.3	2431.6	2491.7	2616.5	2658.1	2876.9	3034.1	3212.0
27.5°	2469.3	2480.1	2483.2	2498.6	2498.6	2524.0	2674.3	2734.4	3013.3	3175.1	3322.2
30°	2588.0	2591.8	2597.2	2614.2	2595.7	2584.9	2759.0	2836.1	3171.2	3345.3	3454.7
32.5°	2692.0	2700.5	2729.7	2757.5	2724.3	2690.4	2883.8	2974.7	3323.0	3522.5	3595.7
35°	2780.6	2801.4	2857.6	2919.3	2896.2	2862.3	3049.5	3144.2	3447.8	3649.7	3720.5
37.5°	2887.7	2903.9	2980.9	3081.1	3101.9	3085.7	3251.3	3319.1	3531.0	3682.0	3788.3
40°	2996.3	3021.0	3120.4	3259.0	3338.4	3350.0	3437.8	3483.2	3559.5	3618.8	3775.2
42.5°	3107.3	3149.6	3286.0	3447.8	3588.8	3615.0	3595.0	3614.2	3550.3	3531.8	3714.4
45°	3242.9	3292.9	3447.0	3653.5	3839.2	3880.0	3749.1	3731.3	3548.7	3498.7	3676.6
47.5°	3403.1	3453.2	3600.4	3840.7	4078.0	4108.1	3907.0	3874.6	3602.7	3549.5	3727.5
50°	3544.9	3579.6	3711.3	3980.2	4300.7	4318.4	4081.1	4041.8	3736.7	3690.5	3886.2
52.5°	3400.8	3397.0	3535.6	3866.9	4416.3	4629.7	4349.2	4311.5	3995.6	3924.7	4132.0
55°	2885.4	2841.5	2965.5	3291.4	4093.4	4906.3	4830.0	4754.5	4340.8	4160.5	4362.3
57.5°	2109.5	2097.2	2127.2	2433.1	3279.1	4477.9	5124.3	5117.4	4638.9	4376.2	4591.9
60°	1649.6	1631.1	1550.9	1559.4	2235.1	3497.9	4447.1	4651.3	4823.8	4505.6	4752.2
62.5°	1464.6	1450.8	1409.2	1294.4	1331.4	2345.3	3259.8	3447.0	4215.2	3979.4	4081.9
65°	1212.7	1208.8	1243.5	1238.9	1115.6	1295.1	1839.9	2028.6	2650.4	2683.5	2650.4
67.5°	881.4	874.5	962.3	1135.7	1074.0	977.7	1025.5	1091.0	1359.1	1220.4	1098.7
70°	573.2	563.2	614.1	820.5	961.5	852.1	738.9	728.1	747.3	464.6	502.3
72.5°	384.5	372.9	372.1	451.5	580.9	574.0	572.5	567.1	506.2	366.7	406.8
75°	214.2	204.9	202.6	194.9	208.0	211.9	225.7	233.4	252.7	278.1	308.2
77.5°	36.2	35.4	44.7	57.0	78.6	100.9	124.8	131.7	162.6	192.6	211.9
80°	20.0	20.8	27.0	33.1	43.9	60.1	77.0	81.7	100.2	116.3	131.7
82.5°	10.8	10.8	13.9	17.7	23.9	31.6	41.6	45.5	57.8	67.8	78.6
85°	3.9	3.9	5.4	6.9	10.0	13.1	16.2	18.5	25.4	34.7	39.3
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	3.1	3.1	3.9	6.9	10.0
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°	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1	2923.1
2.5°	2938.5	2917.7	2946.2	2959.3	2964.0	2967.0	2947.0	2933.1	2928.5	2913.9	2905.4
5°	2949.3	2935.4	2962.4	2962.4	2943.2	2923.1	2882.3	2853.8	2833.7	2809.9	2806.0
7.5°	2967.8	2957.8	2972.4	2942.4	2893.8	2839.9	2769.0	2713.6	2668.9	2639.6	2640.4
10°	2992.5	2980.1	2968.6	2901.5	2812.9	2713.6	2604.9	2524.0	2450.1	2416.2	2397.7
12.5°	3008.6	2990.9	2942.4	2831.4	2701.2	2567.9	2414.6	2294.4	2187.3	2138.8	2134.9
15°	3028.7	2996.3	2899.2	2740.5	2559.5	2377.6	2180.4	2013.2	1868.4	1792.9	1789.0
17.5°	3054.9	3001.7	2847.6	2636.5	2410.0	2141.9	1893.8	1683.5	1529.4	1470.8	1480.8
20°	3091.8	3007.9	2789.1	2520.9	2224.3	1873.8	1564.8	1371.4	1312.1	1308.2	1300.5
22.5°	3133.5	3011.7	2724.3	2391.5	1999.3	1587.9	1292.8	1210.4	1209.6	1228.9	1233.5
25°	3180.5	3014.8	2651.1	2240.5	1755.9	1302.8	1143.4	1118.7	1138.0	1174.2	1178.8
27.5°	3240.5	3021.0	2562.5	2074.8	1497.0	1125.6	1060.9	1054.8	1077.9	1111.8	1110.2
30°	3329.2	3043.3	2468.5	1884.5	1231.2	1041.7	1010.8	1011.6	1020.9	1037.0	1039.3
32.5°	3419.3	3078.0	2376.9	1670.4	1078.6	993.9	980.0	978.5	978.5	985.4	987.0
35°	3504.8	3117.3	2277.5	1446.9	1004.7	966.2	956.9	952.3	950.0	948.4	946.1
37.5°	3552.6	3136.5	2180.4	1226.6	965.4	947.7	938.4	932.3	923.8	917.6	916.1
40°	3531.8	3114.2	2067.9	1061.7	941.5	929.9	919.2	910.7	899.1	893.7	890.7
42.5°	3462.4	3044.9	1945.4	983.9	922.2	910.7	897.6	883.7	876.0	871.4	870.6
45°	3389.2	2960.9	1797.5	938.4	903.7	889.9	874.5	859.1	850.6	848.3	847.5
47.5°	3386.9	2919.3	1640.3	902.2	881.4	867.5	848.3	832.9	823.6	820.5	817.5
50°	3488.6	2961.6	1463.1	870.6	858.3	843.7	822.1	805.1	793.6	789.7	788.9
52.5°	3699.7	3121.1	1304.4	839.0	827.5	810.5	792.8	775.9	762.0	755.0	754.3
55°	3927.8	3323.8	1205.8	806.7	791.3	776.6	760.4	742.0	726.5	715.8	714.2
57.5°	4163.6	3544.9	1175.7	765.8	754.3	744.3	725.0	705.0	687.2	677.2	674.9
60°	4357.7	3735.2	1232.0	722.7	716.5	703.4	685.7	666.4	654.1	646.4	644.9
62.5°	3648.1	3041.0	994.7	675.7	675.7	661.8	641.8	627.9	619.4	614.1	612.5
65°	2315.2	1883.0	678.8	628.7	627.9	609.4	592.5	583.2	579.4	570.9	569.4
67.5°	1008.5	860.6	580.2	580.9	577.8	557.8	540.9	533.9	526.2	517.0	516.2
70°	523.1	533.2	519.3	527.8	522.4	498.5	482.3	471.5	455.3	446.1	446.9
72.5°	422.2	433.0	448.4	461.5	449.9	430.7	405.3	392.2	371.4	361.3	362.1
75°	322.1	333.6	348.2	362.1	352.9	329.0	312.8	299.7	275.8	264.3	266.6
77.5°	221.9	228.1	245.8	245.0	241.9	235.0	211.1	195.7	171.0	157.2	158.7
80°	137.9	141.8	150.2	154.1	152.6	143.3	124.0	112.5	97.8	89.4	90.1
82.5°	83.2	85.5	93.2	94.0	93.2	86.3	71.7	63.2	53.9	49.3	49.3
85°	42.4	43.9	48.5	48.5	43.9	37.0	33.1	29.3	23.9	21.6	21.6
87.5°	11.6	11.6	14.6	12.3	10.0	9.2	4.6	3.9	1.5	0.8	0.8
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)