

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: P634239

Luminaire Tested: GWS-SA3B-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634239
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-SA3B-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8591.3 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

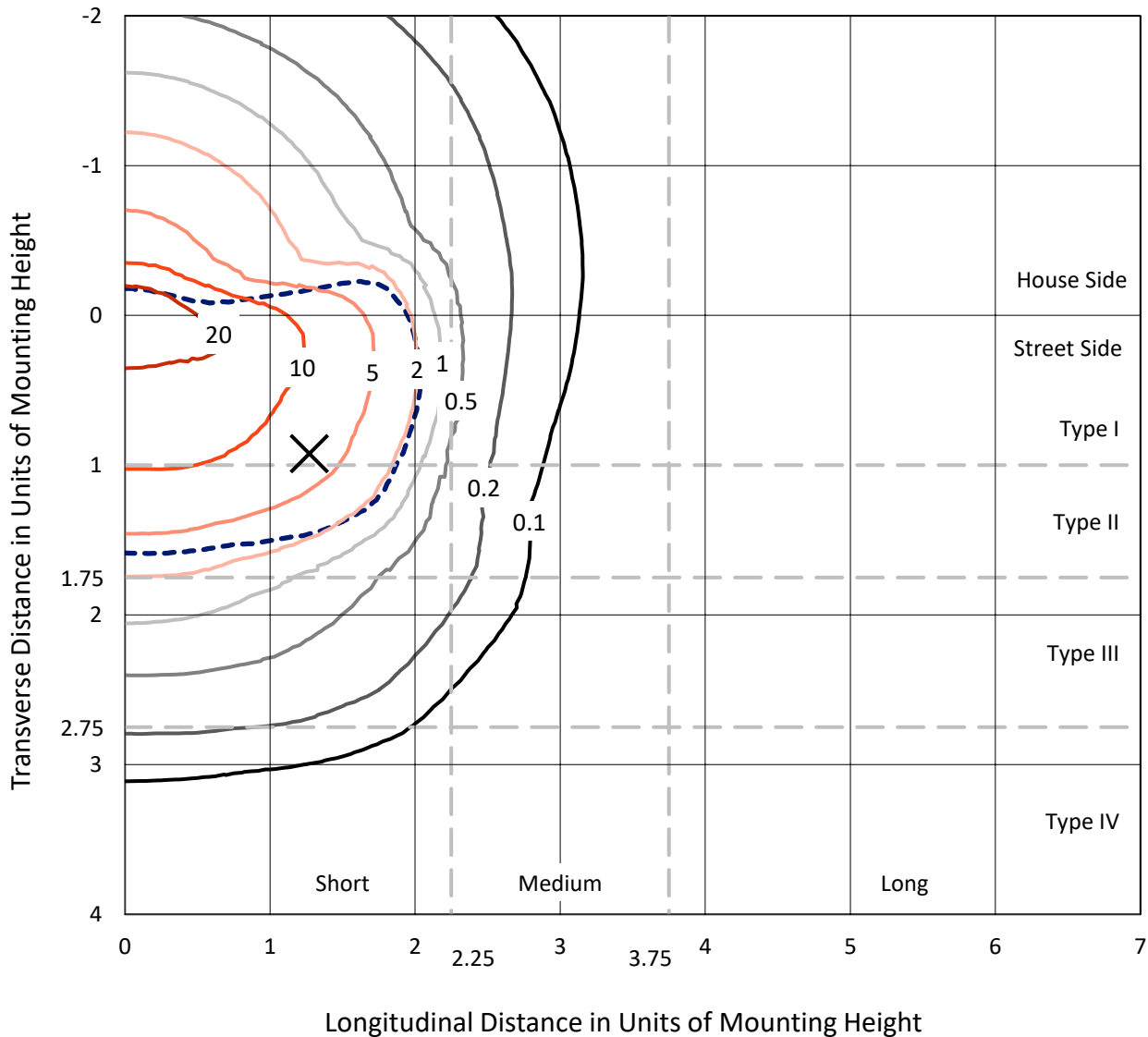
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

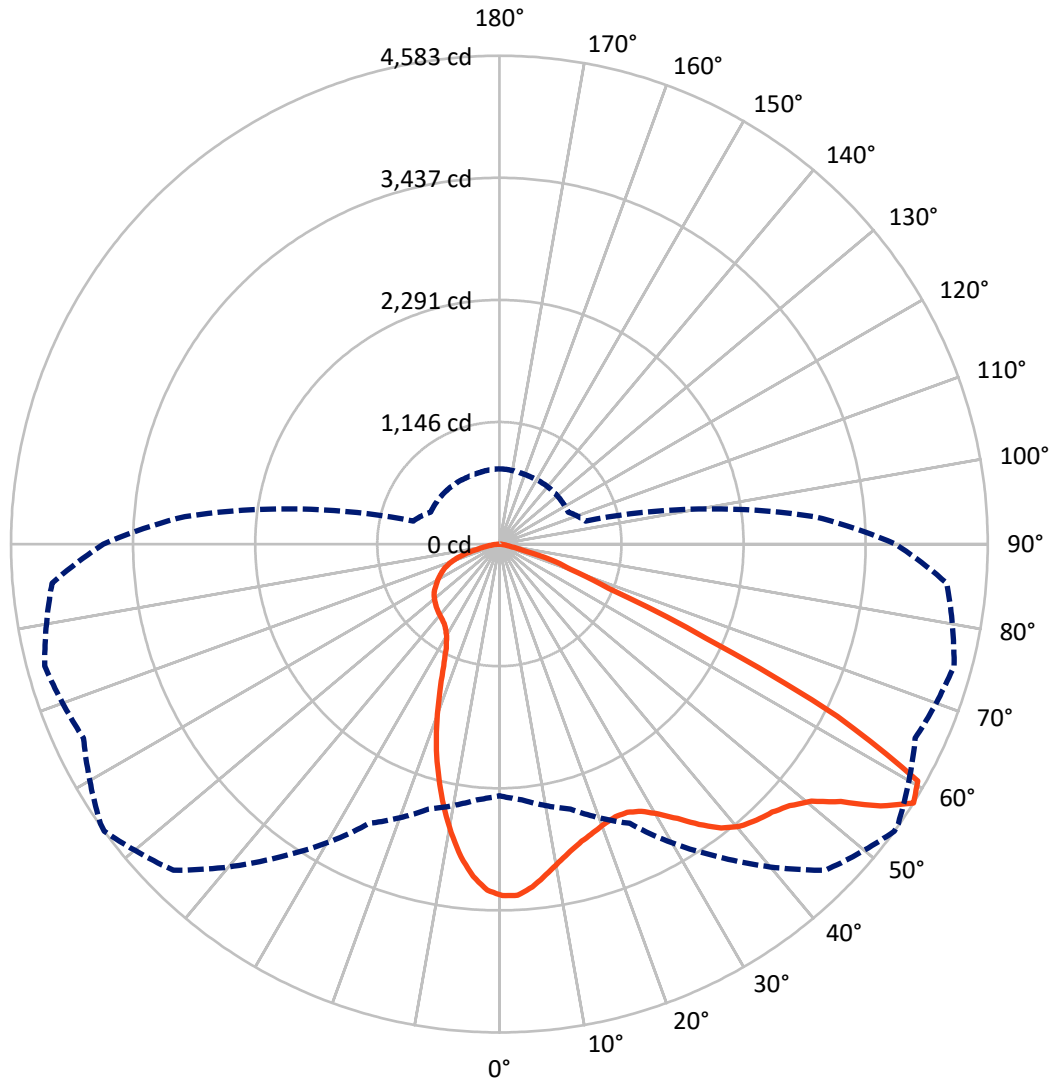
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33 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	2497.6	0.0	2497.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	6093.7	0.0	6093.7
	% Fixture	70.9	0.0	70.9
Total	Lumens	8591.3	0.0	8591.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.9	3.4
10°-20°	691.8	8.1
20°-30°	957.3	11.1
30°-40°	1330.2	15.5
40°-50°	1756.8	20.4
50°-60°	2087.7	24.3
60°-70°	1156.6	13.5
70°-80°	288.0	3.4
80°-90°	32.8	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°	8591.3	100.0
0°-180°	8591.3	100.0

Coefficient of Utilization



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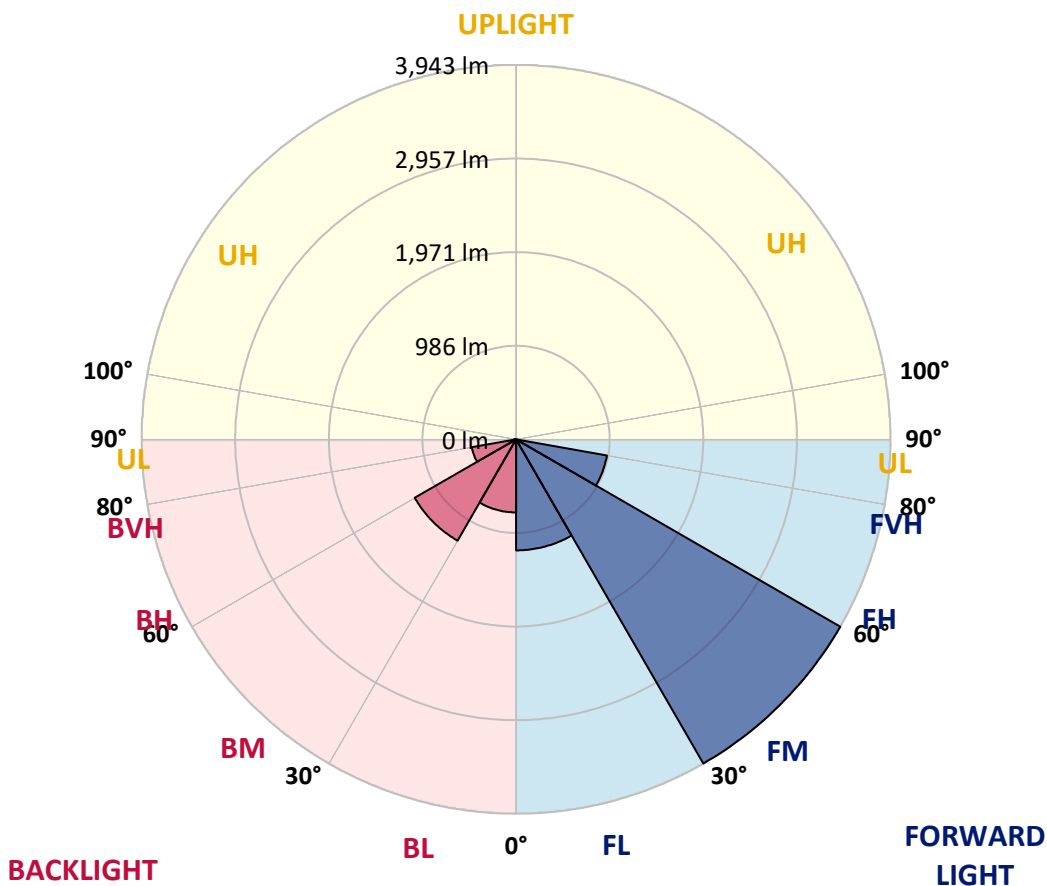
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1169.4	13.6			
FM (30°-60°)	3942.7	45.9			
FH (60°-80°)	971.4	11.3			G1/1800
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	769.7	9.0	B2/1000		
BM (30°-60°)	1232.1	14.3	B2/2500		
BH (60°-80°)	473.3	5.5	B1/500		G1/500
BVH (80°-90°)	22.5	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°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3236.6	3243.2	3247.7	3263.1	3276.3	3288.1	3300.6	3300.6	3299.9	3297.7	3293.2
5°	3108.7	3116.0	3126.3	3147.6	3176.3	3196.9	3230.7	3233.7	3248.4	3254.3	3251.3
7.5°	2960.1	2962.3	2975.5	3003.5	3049.1	3085.9	3134.4	3140.3	3175.6	3196.2	3192.5
10°	2797.6	2790.2	2813.7	2854.9	2914.5	2976.3	3038.8	3043.9	3100.6	3139.5	3136.6
12.5°	2649.0	2649.7	2673.3	2723.3	2797.6	2874.1	2957.9	2969.7	3039.5	3089.5	3084.4
15°	2524.7	2527.7	2556.3	2613.0	2697.6	2788.7	2893.2	2904.2	2992.5	3058.6	3043.9
17.5°	2425.4	2428.4	2453.4	2518.1	2608.6	2718.9	2846.1	2857.1	2966.7	3045.4	3015.3
20°	2357.0	2355.6	2379.8	2441.6	2535.0	2654.9	2804.9	2821.1	2958.6	3050.6	2996.1
22.5°	2329.1	2328.4	2346.0	2396.8	2484.3	2605.6	2779.9	2802.0	2967.5	3073.4	2984.4
25°	2343.1	2340.1	2355.6	2393.1	2462.9	2586.5	2787.3	2810.8	3005.0	3120.4	2986.6
27.5°	2386.5	2382.8	2396.0	2429.9	2482.8	2606.4	2838.8	2866.0	3084.4	3206.5	3016.0
30°	2452.7	2450.4	2463.7	2496.0	2542.4	2672.5	2937.3	2968.2	3207.2	3340.3	3080.0
32.5°	2529.9	2526.2	2549.7	2587.2	2640.9	2793.2	3069.7	3110.1	3352.8	3512.4	3187.3
35°	2616.7	2613.7	2646.1	2700.5	2777.7	2960.8	3230.0	3274.1	3501.4	3707.3	3330.0
37.5°	2701.2	2701.2	2763.7	2844.6	2941.7	3143.2	3380.8	3408.7	3604.3	3880.1	3483.0
40°	2776.2	2780.7	2874.8	2996.1	3119.7	3308.0	3480.0	3503.6	3649.9	3999.3	3616.1
42.5°	2859.3	2863.0	2972.6	3131.5	3278.5	3441.1	3540.4	3552.1	3658.8	4058.8	3710.2
45°	2925.5	2930.7	3066.7	3236.6	3416.8	3541.1	3588.2	3598.4	3671.3	4091.2	3778.6
47.5°	2960.1	2967.5	3123.4	3321.2	3510.2	3630.8	3666.8	3671.3	3722.7	4147.8	3861.0
50°	2954.2	2968.9	3144.7	3363.1	3579.3	3721.3	3793.3	3800.7	3827.9	4230.9	3957.3
52.5°	3006.4	3013.0	3190.3	3413.1	3677.9	3888.2	4013.2	4023.5	4011.0	4293.4	4014.7
55°	2919.6	2951.3	3133.7	3405.8	3827.9	4146.3	4339.0	4333.9	4177.2	4363.3	4110.3
57.5°	2361.5	2407.8	2574.7	2891.0	3580.8	4327.3	4582.5	4570.0	4305.9	4417.0	4214.0
60°	1634.9	1642.2	1793.0	2017.3	2763.7	3822.8	4511.1	4538.3	4329.5	4349.3	4022.1
62.5°	1307.6	1305.4	1319.4	1325.2	1757.7	2687.3	3560.9	3660.2	3597.0	3388.9	2850.5
65°	1116.4	1124.5	1165.7	1144.3	1147.3	1513.5	2127.6	2141.6	2097.4	2022.4	1507.6
67.5°	873.7	887.7	960.5	1043.6	1017.1	974.4	1103.9	1097.3	864.9	669.2	553.0
70°	547.2	556.0	633.9	819.3	885.5	800.1	709.7	706.7	463.3	381.0	417.7
72.5°	319.2	320.6	342.7	456.7	587.6	547.2	522.2	503.0	297.8	303.7	333.1
75°	175.8	175.8	175.0	197.1	231.7	205.2	198.6	193.4	199.3	225.8	247.8
77.5°	36.8	37.5	39.7	52.2	67.7	82.4	103.7	104.4	130.2	150.8	168.4
80°	16.9	17.7	22.1	27.9	36.0	47.8	63.2	64.0	78.7	94.9	106.6
82.5°	8.8	9.6	11.8	14.7	19.1	25.0	35.3	35.3	47.1	55.9	63.2
85°	2.9	2.9	4.4	5.9	8.1	10.3	14.0	14.0	20.6	27.2	31.6
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	2.9	2.9	3.7	4.4	7.4
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°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3283.7	3260.9	3261.6	3266.0	3252.1	3230.7	3216.8	3199.1	3188.1	3185.9	3194.0
5°	3236.6	3210.1	3191.8	3172.6	3132.9	3085.9	3049.1	3018.9	2999.1	2991.7	2982.9
7.5°	3171.9	3137.3	3091.0	3037.3	2965.2	2881.4	2822.6	2767.4	2729.2	2718.1	2713.0
10°	3107.2	3057.2	2974.8	2874.8	2754.9	2641.7	2535.0	2453.4	2388.7	2351.9	2363.7
12.5°	3040.3	2978.5	2849.8	2696.1	2529.1	2358.5	2218.8	2083.5	1979.0	1926.8	1911.4
15°	2981.4	2897.6	2718.1	2510.0	2287.9	2073.2	1870.9	1668.0	1535.6	1463.5	1443.6
17.5°	2931.4	2822.6	2579.1	2320.3	2054.8	1748.8	1500.3	1312.0	1221.5	1181.8	1178.9
20°	2882.1	2749.0	2441.6	2115.8	1785.6	1442.9	1220.8	1132.6	1100.2	1086.2	1085.5
22.5°	2838.0	2671.8	2296.7	1911.4	1517.9	1212.7	1090.6	1052.4	1043.6	1043.6	1042.1
25°	2800.5	2594.6	2148.2	1694.4	1276.0	1079.6	1023.0	1006.8	1010.5	1017.1	1017.8
27.5°	2785.1	2534.3	2004.8	1471.6	1109.0	1002.4	976.6	974.4	984.7	995.0	996.5
30°	2801.2	2493.1	1857.7	1258.3	1009.0	955.3	943.6	948.0	960.5	970.8	970.8
32.5°	2851.3	2472.5	1707.7	1102.4	950.9	922.2	918.5	923.0	932.5	938.4	939.1
35°	2935.8	2480.6	1552.5	997.2	913.4	898.0	897.2	900.2	903.8	907.5	908.3
37.5°	3042.5	2516.6	1386.3	936.2	889.1	880.3	878.8	878.1	878.8	878.8	879.6
40°	3146.9	2571.1	1237.7	900.2	872.2	864.9	861.2	856.0	855.3	853.8	853.1
42.5°	3224.1	2613.0	1119.3	874.4	856.8	847.9	843.5	835.4	834.7	834.0	833.2
45°	3282.2	2648.3	1020.8	849.4	840.6	832.5	822.9	815.6	817.1	818.5	818.5
47.5°	3347.7	2679.2	948.7	825.9	820.7	812.6	800.9	795.7	800.9	806.0	806.0
50°	3427.1	2722.6	889.9	802.4	800.1	790.6	780.3	778.1	784.0	791.3	791.3
52.5°	3485.2	2760.1	847.9	778.8	778.8	766.3	757.5	756.8	763.4	770.7	771.5
55°	3594.0	2847.6	833.2	751.6	748.7	739.1	732.5	727.3	735.4	742.0	742.0
57.5°	3716.9	2963.8	836.9	712.6	709.0	706.0	700.9	695.0	697.2	704.5	705.3
60°	3456.5	2738.7	796.5	673.7	671.4	670.0	663.4	653.1	656.0	661.9	662.6
62.5°	2414.4	1820.2	644.2	625.1	632.5	631.7	622.9	611.1	611.9	620.0	620.0
65°	1253.2	984.7	565.5	581.0	592.0	587.6	572.9	562.6	561.1	571.4	569.2
67.5°	540.5	537.6	514.8	534.7	546.4	536.9	521.4	504.5	506.0	509.7	506.7
70°	435.4	448.6	458.2	479.5	489.1	471.4	454.5	444.9	436.8	436.1	431.0
72.5°	347.9	366.2	387.6	409.6	412.6	394.9	373.6	364.8	352.3	351.5	346.4
75°	261.8	277.3	294.2	311.8	311.8	294.9	280.9	276.5	261.8	257.4	253.0
77.5°	178.7	188.3	201.5	205.9	210.3	203.7	189.7	182.4	165.5	161.1	155.2
80°	112.5	119.1	127.2	130.2	134.6	126.5	115.5	107.4	95.6	91.9	89.0
82.5°	67.7	72.1	77.2	78.7	82.4	76.5	66.2	60.3	53.7	50.7	48.5
85°	34.6	36.8	39.7	40.4	39.7	33.8	30.2	27.2	22.8	22.1	20.6
87.5°	8.8	10.3	11.0	10.3	9.6	7.4	5.1	3.7	1.5	1.5	0.7
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)