

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: P634569

Luminaire Tested: GWS-SA3C-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634569
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-SA3C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8604.9 lumens
Efficiency: N/A
Efficacy: 92.5 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

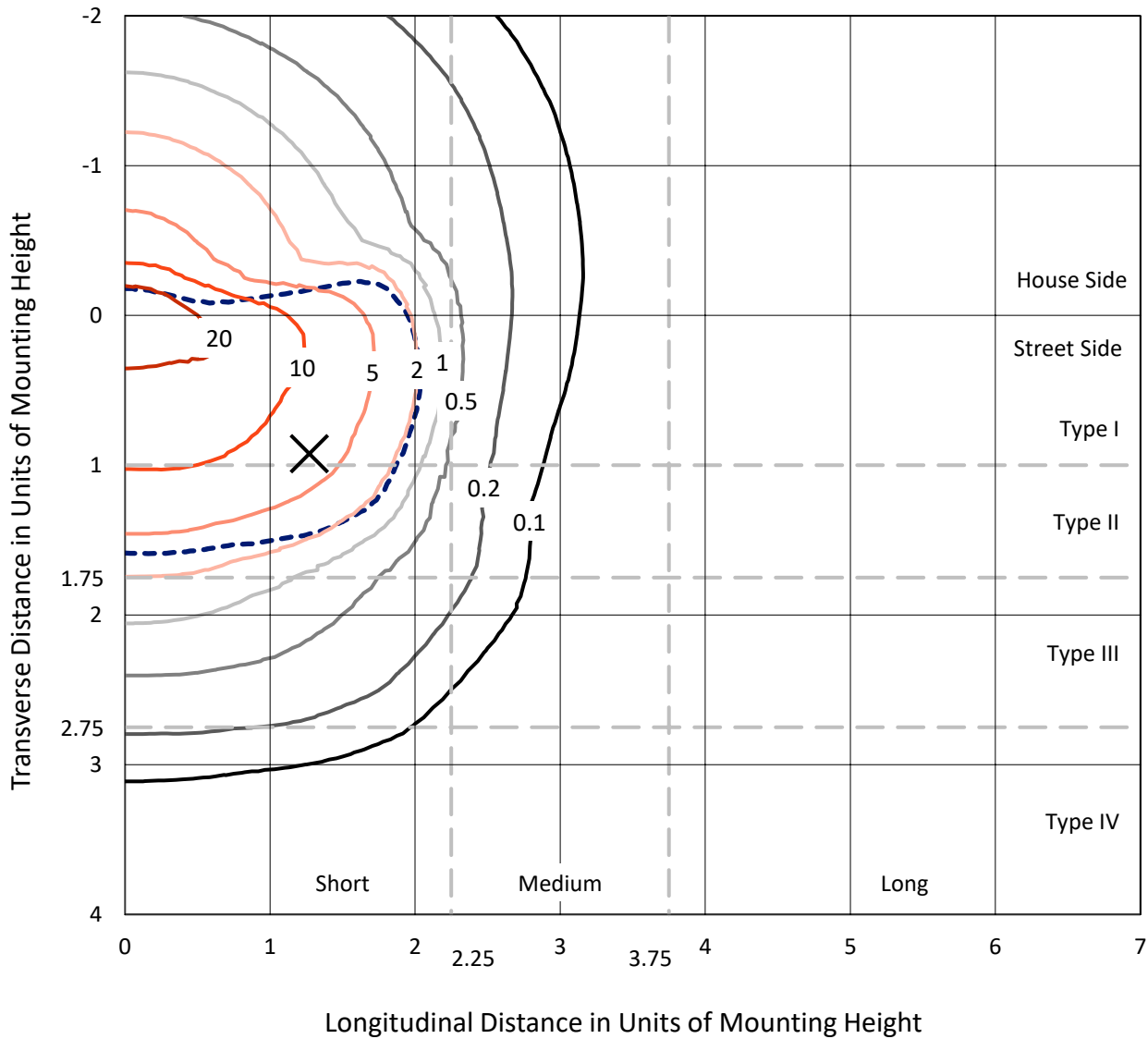
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

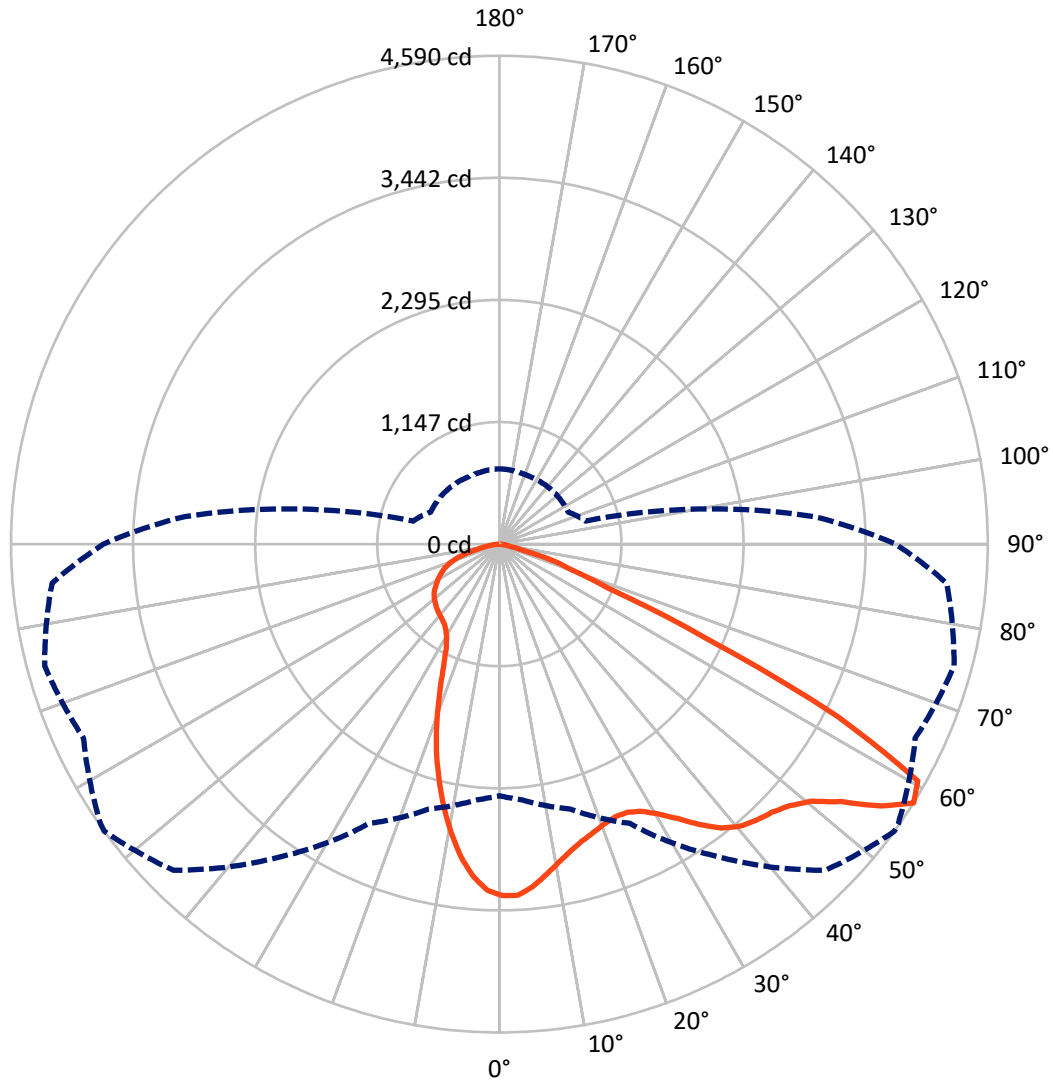
✕ Max cd
 - - - 1/2 Max cd



Based on 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	2501.5	0.0	2501.5
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	6103.4	0.0	6103.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	8604.9	0.0	8604.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.4	3.4
10°-20°	692.9	8.1
20°-30°	958.9	11.1
30°-40°	1332.3	15.5
40°-50°	1759.6	20.4
50°-60°	2091.0	24.3
60°-70°	1158.5	13.5
70°-80°	288.5	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°	8604.9	100.0
0°-180°	8604.9	100.0

Coefficient of Utilization



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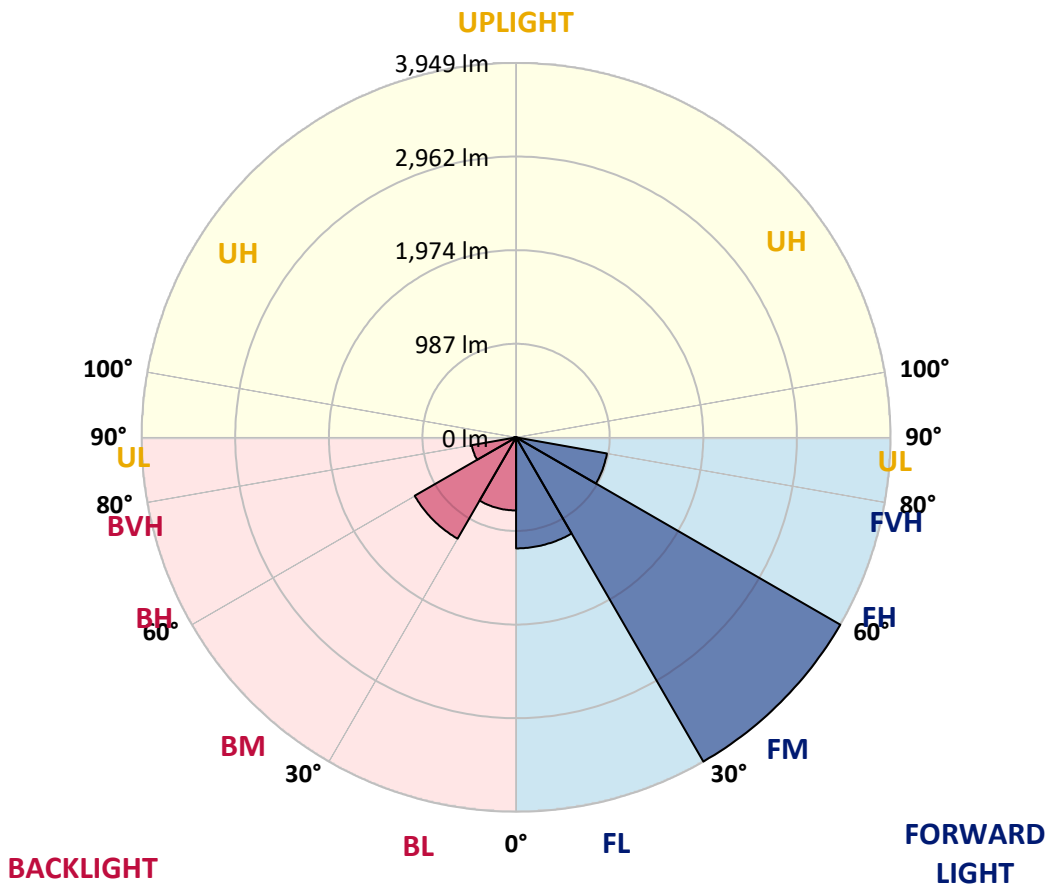
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1171.3	13.6			
FM (30°-60°)	3948.9	45.9			
FH (60°-80°)	972.9	11.3			G1/1800
FVH (80°-90°)	10.3	0.1			G1/100
BL (0°-30°)	770.9	9.0	B2/1000		
BM (30°-60°)	1234.1	14.3	B2/2500		
BH (60°-80°)	474.1	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°	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6
2.5°	3241.7	3248.4	3252.8	3268.3	3281.5	3293.3	3305.8	3305.8	3305.1	3302.9	3298.5
5°	3113.6	3120.9	3131.3	3152.6	3181.3	3202.0	3235.9	3238.8	3253.5	3259.4	3256.5
7.5°	2964.8	2967.0	2980.3	3008.2	3053.9	3090.7	3139.4	3145.2	3180.6	3201.2	3197.5
10°	2802.0	2794.6	2818.2	2859.5	2919.1	2981.0	3043.6	3048.8	3105.5	3144.5	3141.6
12.5°	2653.2	2653.9	2677.5	2727.6	2802.0	2878.6	2962.6	2974.4	3044.3	3094.4	3089.3
15°	2528.7	2531.7	2560.4	2617.1	2701.8	2793.2	2897.8	2908.8	2997.2	3063.5	3048.8
17.5°	2429.3	2432.2	2457.3	2522.1	2612.7	2723.2	2850.6	2861.7	2971.4	3050.2	3020.0
20°	2360.8	2359.3	2383.6	2445.5	2539.0	2659.1	2809.4	2825.6	2963.3	3055.4	3000.9
22.5°	2332.8	2332.1	2349.7	2400.6	2488.2	2609.7	2784.3	2806.4	2972.1	3078.2	2989.1
25°	2346.8	2343.8	2359.3	2396.9	2466.8	2590.6	2791.7	2815.3	3009.7	3125.4	2991.3
27.5°	2390.2	2386.6	2399.8	2433.7	2486.7	2610.5	2843.2	2870.5	3089.3	3211.5	3020.8
30°	2456.5	2454.3	2467.6	2500.0	2546.4	2676.8	2941.9	2972.9	3212.3	3345.6	3084.8
32.5°	2533.9	2530.2	2553.8	2591.3	2645.1	2797.6	3074.5	3115.0	3358.1	3518.0	3192.4
35°	2620.8	2617.8	2650.3	2704.8	2782.1	2965.5	3235.1	3279.3	3506.9	3713.2	3335.3
37.5°	2705.5	2705.5	2768.1	2849.1	2946.4	3148.2	3386.1	3414.1	3610.0	3886.3	3488.5
40°	2780.6	2785.1	2879.3	3000.9	3124.6	3313.2	3485.6	3509.1	3655.7	4005.6	3621.8
42.5°	2863.9	2867.6	2977.3	3136.4	3283.7	3446.5	3546.0	3557.7	3664.5	4065.3	3716.1
45°	2930.2	2935.3	3071.6	3241.7	3422.2	3546.7	3593.8	3604.1	3677.1	4097.7	3784.6
47.5°	2964.8	2972.1	3128.3	3326.5	3515.8	3636.6	3672.6	3677.1	3728.6	4154.4	3867.1
50°	2958.9	2973.6	3149.7	3368.4	3585.0	3727.2	3799.3	3806.7	3834.0	4237.6	3963.6
52.5°	3011.2	3017.8	3195.3	3418.5	3683.7	3894.4	4019.6	4029.9	4017.4	4300.2	4021.1
55°	2924.3	2955.9	3138.6	3411.2	3834.0	4152.9	4345.9	4340.7	4183.8	4370.2	4116.8
57.5°	2365.2	2411.6	2578.8	2895.5	3586.5	4334.1	4589.7	4577.2	4312.7	4424.0	4220.7
60°	1637.4	1644.8	1795.8	2020.5	2768.1	3828.8	4518.3	4545.5	4336.3	4356.2	4028.4
62.5°	1309.7	1307.5	1321.4	1327.3	1760.5	2691.5	3566.6	3666.0	3602.7	3394.2	2855.0
65°	1118.1	1126.2	1167.5	1146.1	1149.1	1515.9	2131.0	2145.0	2100.8	2025.6	1510.0
67.5°	875.1	889.1	962.0	1045.2	1018.7	976.0	1105.6	1099.0	866.2	670.3	553.9
70°	548.0	556.9	634.9	820.6	886.9	801.4	710.8	707.9	464.1	381.6	418.4
72.5°	319.7	321.2	343.3	457.4	588.5	548.0	523.0	503.8	298.3	304.2	333.7
75°	176.0	176.0	175.3	197.4	232.0	205.5	198.9	193.7	199.6	226.1	248.2
77.5°	36.8	37.6	39.8	52.3	67.8	82.5	103.9	104.6	130.4	151.0	168.7
80°	16.9	17.7	22.1	28.0	36.1	47.9	63.3	64.1	78.8	95.0	106.8
82.5°	8.8	9.6	11.8	14.7	19.2	25.0	35.4	35.4	47.1	56.0	63.3
85°	2.9	2.9	4.4	5.9	8.1	10.3	14.0	14.0	20.6	27.3	31.7
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°	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6
2.5°	3288.9	3266.1	3266.8	3271.2	3257.2	3235.9	3221.9	3204.2	3193.1	3190.9	3199.0
5°	3241.7	3215.2	3196.8	3177.7	3137.9	3090.7	3053.9	3023.7	3003.8	2996.5	2987.6
7.5°	3176.9	3142.3	3095.9	3042.1	2969.9	2886.0	2827.0	2771.8	2733.5	2722.4	2717.3
10°	3112.1	3062.0	2979.5	2879.3	2759.3	2645.8	2539.0	2457.3	2392.5	2355.6	2367.4
12.5°	3045.1	2983.2	2854.3	2700.3	2533.1	2362.3	2222.3	2086.8	1982.2	1929.9	1914.4
15°	2986.1	2902.2	2722.4	2514.0	2291.5	2076.5	1873.9	1670.6	1538.0	1465.8	1445.9
17.5°	2936.1	2827.0	2583.2	2323.9	2058.0	1751.6	1502.6	1314.1	1223.5	1183.7	1180.8
20°	2886.7	2753.4	2445.5	2119.2	1788.4	1445.2	1222.7	1134.4	1101.9	1087.9	1087.2
22.5°	2842.5	2676.0	2300.4	1914.4	1520.3	1214.6	1092.4	1054.1	1045.2	1045.2	1043.8
25°	2804.9	2598.7	2151.6	1697.1	1278.0	1081.3	1024.6	1008.4	1012.1	1018.7	1019.4
27.5°	2789.5	2538.3	2008.0	1473.9	1110.8	1004.0	978.2	976.0	986.3	996.6	998.1
30°	2805.7	2497.0	1860.6	1260.3	1010.6	956.8	945.0	949.5	962.0	972.3	972.3
32.5°	2855.8	2476.4	1710.4	1104.2	952.4	923.7	920.0	924.4	934.0	939.9	940.6
35°	2940.5	2484.5	1554.9	998.8	914.8	899.4	898.6	901.6	905.3	909.0	909.7
37.5°	3047.3	2520.6	1388.5	937.7	890.5	881.7	880.2	879.5	880.2	880.2	881.0
40°	3151.9	2575.1	1239.7	901.6	873.6	866.2	862.5	857.4	856.7	855.2	854.4
42.5°	3229.2	2617.1	1121.1	875.8	858.1	849.3	844.9	836.8	836.0	835.3	834.6
45°	3287.4	2652.5	1022.4	850.8	841.9	833.8	824.2	816.9	818.4	819.8	819.8
47.5°	3353.0	2683.4	950.2	827.2	822.0	813.9	802.1	797.0	802.1	807.3	807.3
50°	3432.5	2726.9	891.3	803.6	801.4	791.8	781.5	779.3	785.2	792.6	792.6
52.5°	3490.7	2764.4	849.3	780.1	780.1	767.5	758.7	758.0	764.6	771.9	772.7
55°	3599.7	2852.1	834.6	752.8	749.9	740.3	733.6	728.5	736.6	743.2	743.2
57.5°	3722.7	2968.5	838.2	713.8	710.1	707.1	702.0	696.1	698.3	705.7	706.4
60°	3462.0	2743.1	797.7	674.7	672.5	671.0	664.4	654.1	657.0	662.9	663.7
62.5°	2418.2	1823.1	645.3	626.1	633.5	632.7	623.9	612.1	612.8	620.9	620.9
65°	1255.2	986.3	566.4	581.9	593.0	588.5	573.8	563.5	562.0	572.3	570.1
67.5°	541.4	538.4	515.6	535.5	547.3	537.7	522.2	505.3	506.8	510.5	507.5
70°	436.1	449.3	458.9	480.3	489.8	472.2	455.2	445.6	437.5	436.8	431.6
72.5°	348.4	366.8	388.2	410.3	413.2	395.6	374.2	365.3	352.8	352.1	346.9
75°	262.2	277.7	294.6	312.3	312.3	295.4	281.4	277.0	262.2	257.8	253.4
77.5°	179.0	188.6	201.8	206.2	210.7	204.0	190.0	182.7	165.7	161.3	155.4
80°	112.7	119.3	127.4	130.4	134.8	126.7	115.6	107.5	95.8	92.1	89.1
82.5°	67.8	72.2	77.3	78.8	82.5	76.6	66.3	60.4	53.8	50.8	48.6
85°	34.6	36.8	39.8	40.5	39.8	33.9	30.2	27.3	22.8	22.1	20.6
87.5°	8.8	10.3	11.0	10.3	9.6	7.4	5.2	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)