

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: P632369

Luminaire Tested: GWS-SA2C-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632369
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-SA2C-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7928.4 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

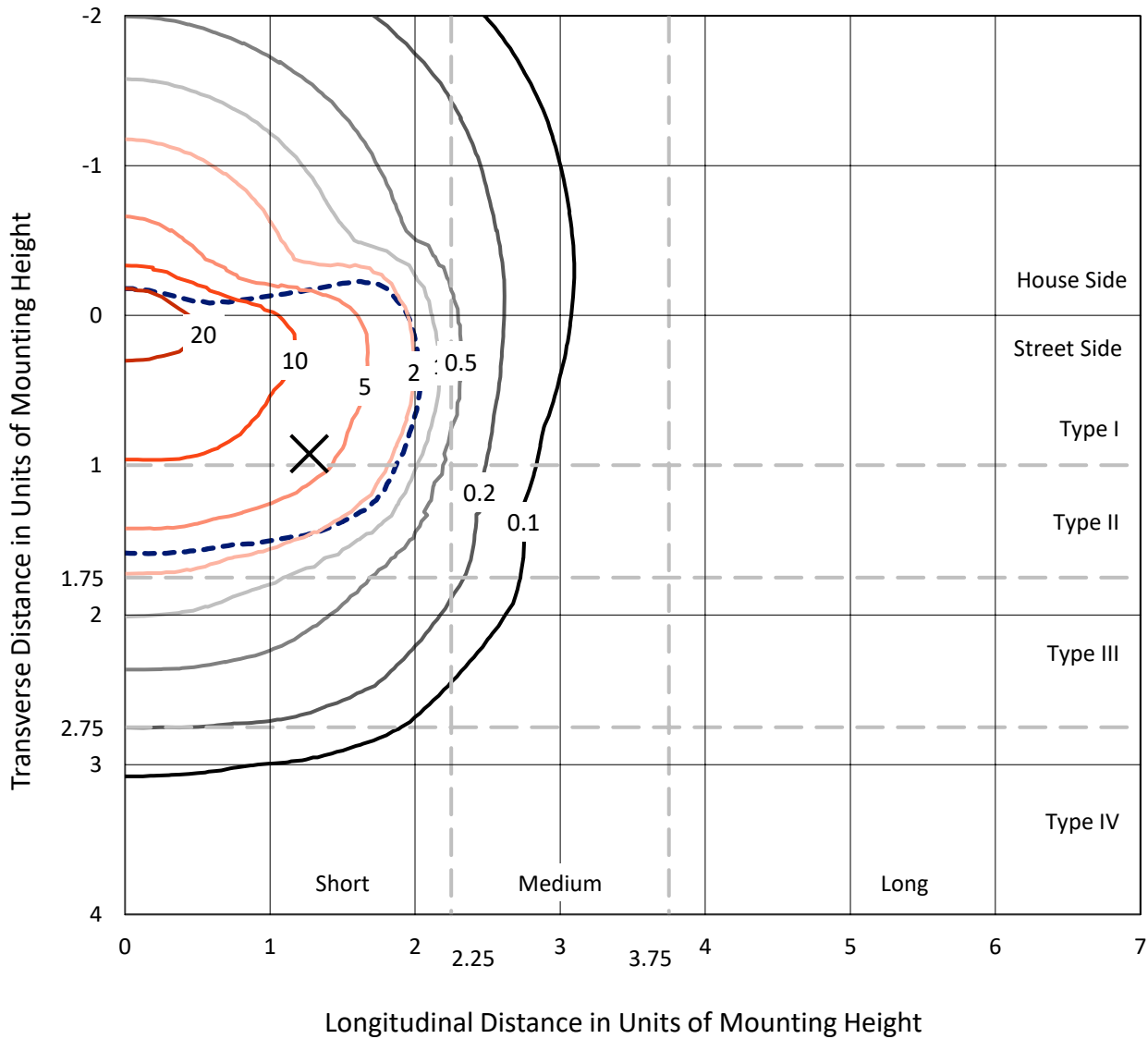
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

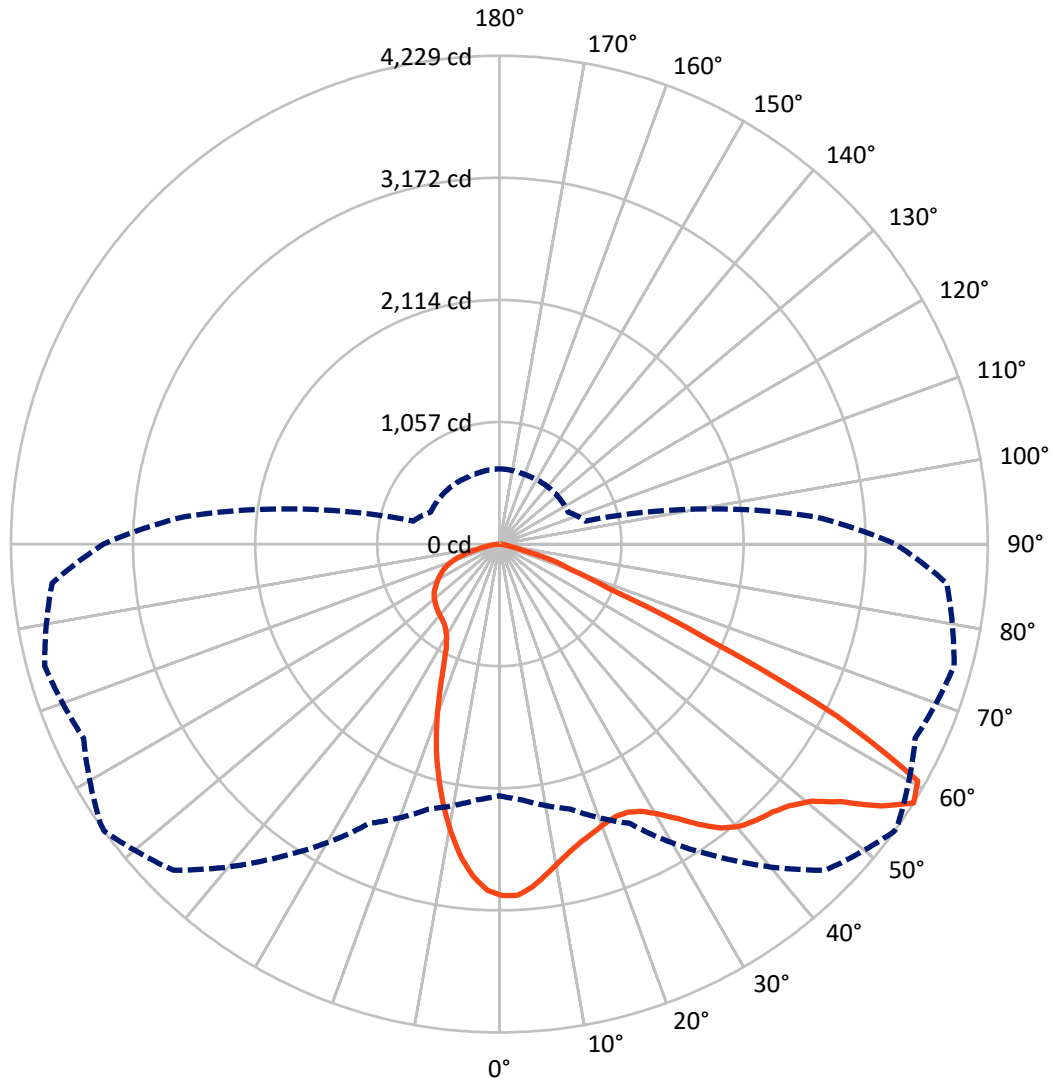
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.4 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	2304.9	0.0	2304.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	5623.5	0.0	5623.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	7928.4	0.0	7928.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.6	3.4
10°-20°	638.4	8.1
20°-30°	883.5	11.1
30°-40°	1227.6	15.5
40°-50°	1621.3	20.4
50°-60°	1926.7	24.3
60°-70°	1067.4	13.5
70°-80°	265.8	3.4
80°-90°	30.2	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°	7928.4	100.0
0°-180°	7928.4	100.0

Coefficient of Utilization



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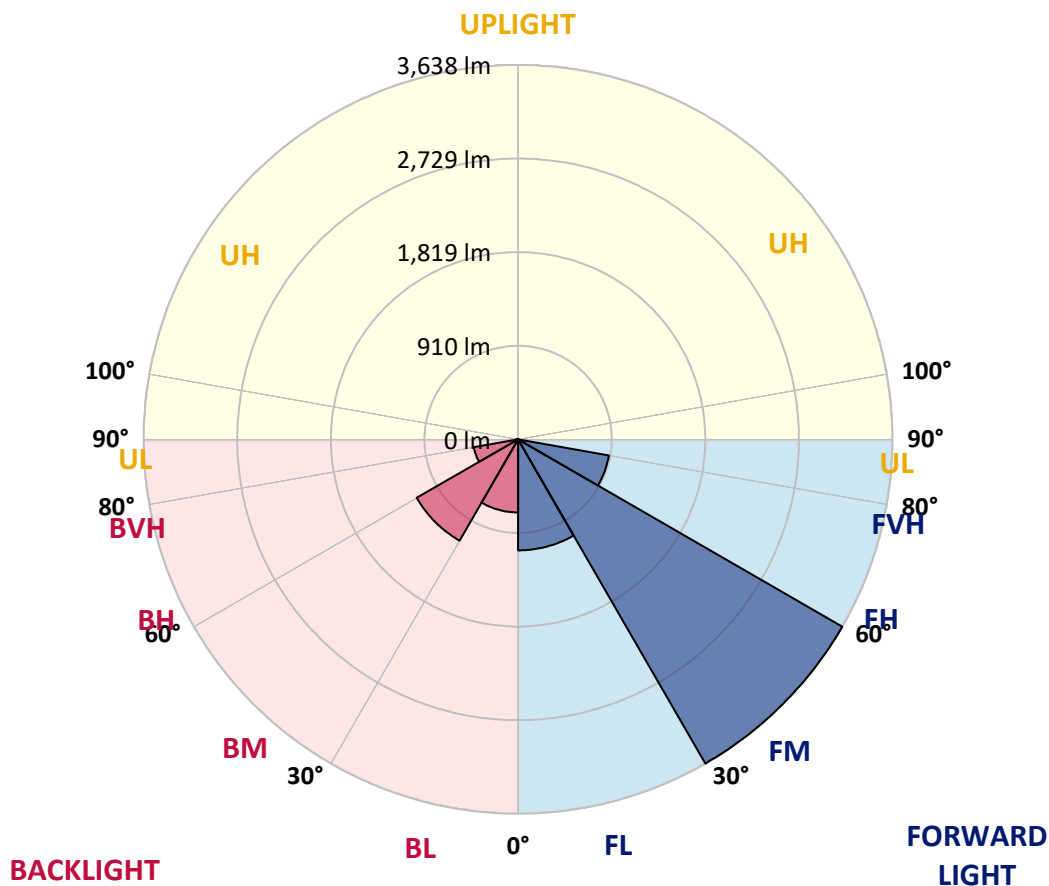
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1079.2	13.6			
FM (30°-60°)	3638.5	45.9			
FH (60°-80°)	896.4	11.3			G1/1800
FVH (80°-90°)	9.5	0.1			G0/10
BL (0°-30°)	710.3	9.0	B2/1000		
BM (30°-60°)	1137.1	14.3	B2/2500		
BH (60°-80°)	436.8	5.5	B1/500		G1/500
BVH (80°-90°)	20.8	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°	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9
2.5°	2986.9	2993.0	2997.1	3011.3	3023.5	3034.4	3045.9	3045.9	3045.3	3043.2	3039.1
5°	2868.8	2875.6	2885.1	2904.8	2931.2	2950.2	2981.5	2984.2	2997.7	3003.2	3000.5
7.5°	2731.7	2733.7	2746.0	2771.7	2813.8	2847.8	2892.5	2898.0	2930.6	2949.6	2946.2
10°	2581.7	2574.9	2596.6	2634.6	2689.6	2746.6	2804.3	2809.1	2861.3	2897.3	2894.6
12.5°	2444.6	2445.3	2467.0	2513.2	2581.7	2652.3	2729.7	2740.5	2805.0	2851.1	2846.4
15°	2329.9	2332.6	2359.1	2411.4	2489.4	2573.6	2669.9	2680.1	2761.6	2822.6	2809.1
17.5°	2238.3	2241.0	2264.1	2323.8	2407.3	2509.1	2626.5	2636.7	2737.8	2810.4	2782.6
20°	2175.2	2173.8	2196.2	2253.2	2339.4	2450.0	2588.5	2603.4	2730.3	2815.2	2765.0
22.5°	2149.4	2148.7	2165.0	2211.8	2292.6	2404.6	2565.4	2585.8	2738.5	2836.2	2754.1
25°	2162.3	2159.6	2173.8	2208.4	2272.9	2386.9	2572.2	2593.9	2773.1	2879.7	2756.1
27.5°	2202.3	2198.9	2211.1	2242.4	2291.2	2405.3	2619.7	2644.8	2846.4	2959.1	2783.3
30°	2263.4	2261.4	2273.6	2303.4	2346.2	2466.3	2710.7	2739.2	2959.7	3082.6	2842.3
32.5°	2334.7	2331.3	2353.0	2387.6	2437.2	2577.6	2832.8	2870.1	3094.1	3241.4	2941.4
35°	2414.8	2412.0	2441.9	2492.1	2563.4	2732.4	2980.8	3021.5	3231.2	3421.2	3073.1
37.5°	2492.8	2492.8	2550.5	2625.1	2714.7	2900.7	3119.9	3145.7	3326.2	3580.7	3214.2
40°	2562.0	2566.1	2653.0	2765.0	2879.0	3052.7	3211.5	3233.2	3368.3	3690.7	3337.1
42.5°	2638.7	2642.1	2743.2	2889.8	3025.6	3175.6	3267.2	3278.0	3376.4	3745.7	3424.0
45°	2699.8	2704.6	2830.1	2986.9	3153.2	3267.9	3311.3	3320.8	3388.0	3775.5	3487.1
47.5°	2731.7	2738.5	2882.4	3064.9	3239.4	3350.7	3383.9	3388.0	3435.5	3827.8	3563.1
50°	2726.3	2739.8	2902.0	3103.6	3303.1	3434.1	3500.6	3507.4	3532.5	3904.5	3652.0
52.5°	2774.5	2780.6	2944.1	3149.8	3394.1	3588.2	3703.6	3713.1	3701.5	3962.2	3704.9
55°	2694.4	2723.6	2891.9	3143.0	3532.5	3826.4	4004.2	3999.5	3854.9	4026.6	3793.2
57.5°	2179.3	2222.0	2376.1	2667.9	3304.5	3993.4	4228.9	4217.3	3973.7	4076.2	3888.9
60°	1508.7	1515.5	1654.6	1861.6	2550.5	3527.8	4163.0	4188.2	3995.4	4013.7	3711.7
62.5°	1206.7	1204.7	1217.6	1223.0	1622.1	2479.9	3286.2	3377.8	3319.4	3127.4	2630.6
65°	1030.2	1037.7	1075.7	1056.0	1058.7	1396.7	1963.4	1976.3	1935.6	1866.4	1391.3
67.5°	806.3	819.2	886.4	963.1	938.6	899.3	1018.7	1012.6	798.1	617.6	510.4
70°	504.9	513.1	585.0	756.1	817.1	738.4	654.9	652.2	427.6	351.6	385.5
72.5°	294.5	295.9	316.3	421.5	542.3	504.9	481.9	464.2	274.9	280.3	307.4
75°	162.2	162.2	161.5	181.9	213.8	189.4	183.2	178.5	183.9	208.4	228.7
77.5°	33.9	34.6	36.6	48.2	62.4	76.0	95.7	96.4	120.1	139.1	155.4
80°	15.6	16.3	20.4	25.8	33.3	44.1	58.4	59.0	72.6	87.6	98.4
82.5°	8.1	8.8	10.9	13.6	17.6	23.1	32.6	32.6	43.4	51.6	58.4
85°	2.7	2.7	4.1	5.4	7.5	9.5	12.9	12.9	19.0	25.1	29.2
87.5°	0.0	0.0	0.0	0.0	0.7	1.4	2.7	2.7	3.4	4.1	6.8
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°	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9	3043.9
2.5°	3030.3	3009.3	3010.0	3014.0	3001.1	2981.5	2968.6	2952.3	2942.1	2940.1	2947.5
5°	2986.9	2962.5	2945.5	2927.8	2891.2	2847.8	2813.8	2786.0	2767.7	2760.9	2752.7
7.5°	2927.2	2895.3	2852.5	2803.0	2736.4	2659.1	2604.8	2553.9	2518.6	2508.4	2503.7
10°	2867.4	2821.3	2745.3	2653.0	2542.3	2437.8	2339.4	2264.1	2204.4	2170.4	2181.3
12.5°	2805.7	2748.7	2629.9	2488.1	2334.0	2176.5	2047.6	1922.7	1826.3	1778.1	1763.9
15°	2751.4	2674.0	2508.4	2316.3	2111.4	1913.2	1726.6	1539.3	1417.1	1350.6	1332.3
17.5°	2705.2	2604.8	2380.1	2141.2	1896.2	1613.9	1384.5	1210.8	1127.3	1090.6	1087.9
20°	2659.8	2536.9	2253.2	1952.6	1647.8	1331.6	1126.6	1045.2	1015.3	1002.4	1001.7
22.5°	2619.0	2465.7	2119.5	1763.9	1400.8	1119.1	1006.5	971.2	963.1	963.1	961.7
25°	2584.4	2394.4	1982.4	1563.7	1177.5	996.3	944.0	929.1	932.5	938.6	939.3
27.5°	2570.2	2338.7	1850.1	1358.0	1023.5	925.0	901.3	899.3	908.8	918.3	919.6
30°	2585.1	2300.7	1714.4	1161.2	931.2	881.6	870.8	874.8	886.4	895.9	895.9
32.5°	2631.3	2281.7	1575.9	1017.3	877.5	851.1	847.7	851.7	860.6	866.0	866.7
35°	2709.3	2289.2	1432.7	920.3	842.9	828.7	828.0	830.7	834.1	837.5	838.2
37.5°	2807.7	2322.5	1279.3	864.0	820.5	812.4	811.0	810.3	811.0	811.0	811.7
40°	2904.1	2372.7	1142.2	830.7	804.9	798.1	794.7	790.0	789.3	788.0	787.3
42.5°	2975.3	2411.4	1033.0	807.0	790.7	782.5	778.4	771.0	770.3	769.6	768.9
45°	3029.0	2443.9	942.0	783.9	775.7	768.3	759.4	752.7	754.0	755.4	755.4
47.5°	3089.4	2472.4	875.5	762.2	757.4	749.9	739.1	734.3	739.1	743.8	743.8
50°	3162.7	2512.5	821.2	740.4	738.4	729.6	720.1	718.0	723.5	730.3	730.3
52.5°	3216.3	2547.1	782.5	718.7	718.7	707.2	699.0	698.4	704.5	711.3	711.9
55°	3316.7	2627.9	768.9	693.6	690.9	682.1	676.0	671.2	678.7	684.8	684.8
57.5°	3430.1	2735.1	772.3	657.6	654.3	651.5	646.8	641.4	643.4	650.2	650.9
60°	3189.8	2527.4	735.0	621.7	619.6	618.3	612.2	602.7	605.4	610.8	611.5
62.5°	2228.1	1679.7	594.5	576.9	583.7	583.0	574.8	564.0	564.7	572.1	572.1
65°	1156.5	908.8	521.9	536.2	546.3	542.3	528.7	519.2	517.8	527.3	525.3
67.5°	498.8	496.1	475.1	493.4	504.3	495.4	481.2	465.6	466.9	470.3	467.6
70°	401.8	414.0	422.8	442.5	451.3	435.0	419.4	410.6	403.1	402.5	397.7
72.5°	321.0	338.0	357.7	378.0	380.7	364.5	344.8	336.6	325.1	324.4	319.7
75°	241.6	255.9	271.5	287.8	287.8	272.2	259.3	255.2	241.6	237.5	233.5
77.5°	164.9	173.7	186.0	190.0	194.1	188.0	175.1	168.3	152.7	148.6	143.2
80°	103.8	109.9	117.4	120.1	124.2	116.7	106.6	99.1	88.2	84.8	82.1
82.5°	62.4	66.5	71.3	72.6	76.0	70.6	61.1	55.7	49.5	46.8	44.8
85°	31.9	33.9	36.6	37.3	36.6	31.2	27.8	25.1	21.0	20.4	19.0
87.5°	8.1	9.5	10.2	9.5	8.8	6.8	4.8	3.4	1.4	1.4	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)