

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: P632424

Luminaire Tested: GWS-SA2C-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632424
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7819.8 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

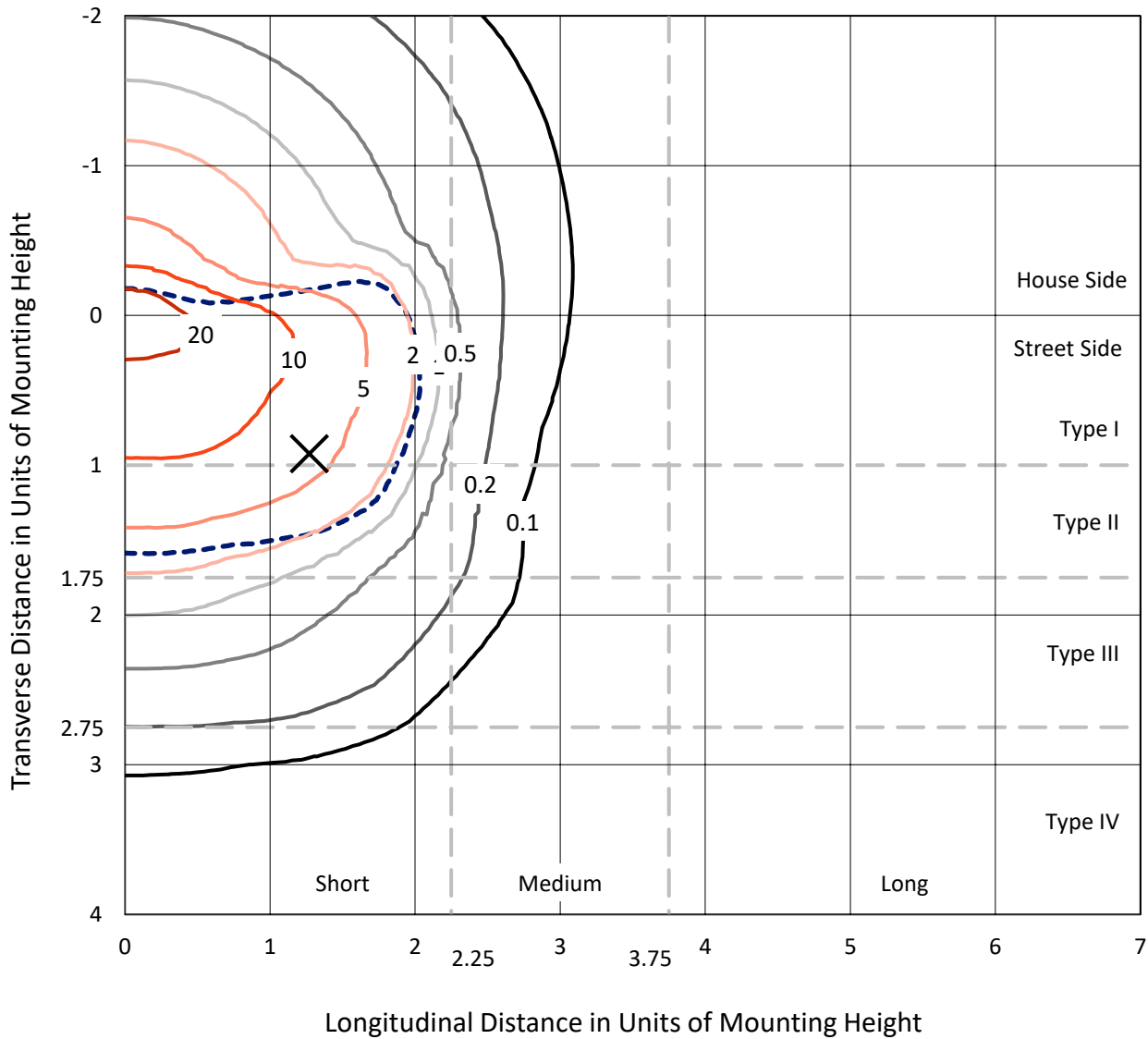
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

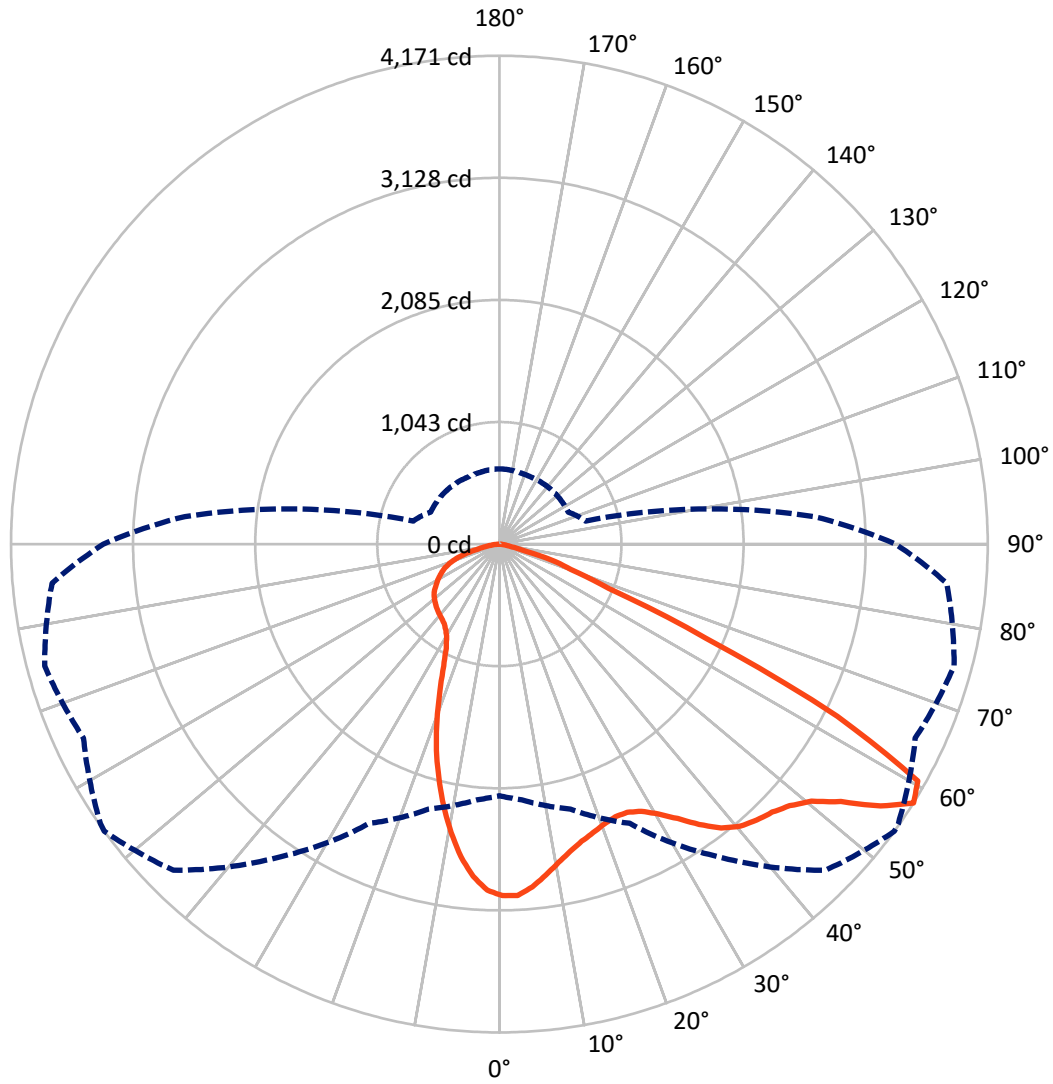
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30 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	2273.3	0.0	2273.3
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	5546.5	0.0	5546.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	7819.8	0.0	7819.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.9	3.4
10°-20°	629.7	8.1
20°-30°	871.4	11.1
30°-40°	1210.8	15.5
40°-50°	1599.1	20.4
50°-60°	1900.3	24.3
60°-70°	1052.8	13.5
70°-80°	262.2	3.4
80°-90°	29.8	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°	7819.8	100.0
0°-180°	7819.8	100.0

Coefficient of Utilization



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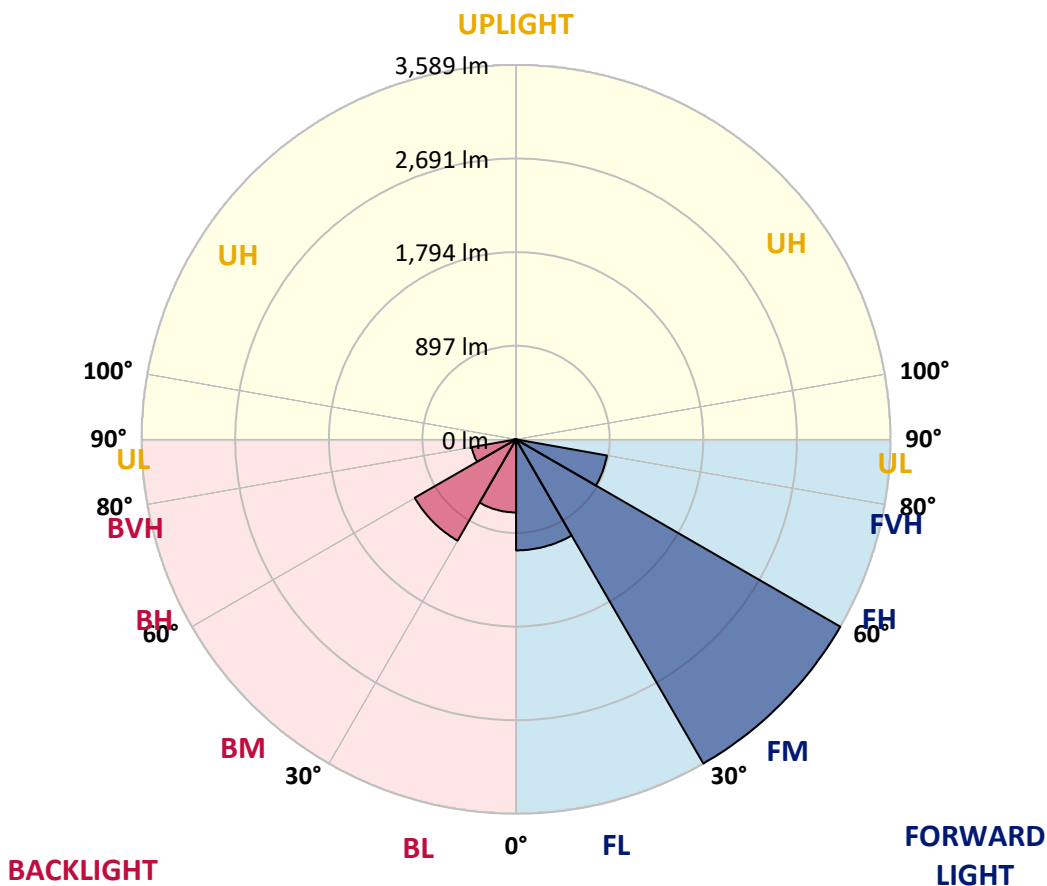
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1064.4	13.6			
FM (30°-60°)	3588.6	45.9			
FH (60°-80°)	884.1	11.3			G1/1800
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	700.5	9.0	B2/1000		
BM (30°-60°)	1121.5	14.3	B2/2500		
BH (60°-80°)	430.8	5.5	B1/500		G1/500
BVH (80°-90°)	20.5	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°	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2
2.5°	2946.0	2952.0	2956.0	2970.1	2982.1	2992.8	3004.2	3004.2	3003.5	3001.5	2997.5
5°	2829.5	2836.2	2845.6	2865.0	2891.1	2909.8	2940.6	2943.3	2956.7	2962.0	2959.4
7.5°	2694.3	2696.3	2708.3	2733.8	2775.3	2808.7	2852.9	2858.3	2890.4	2909.2	2905.8
10°	2546.3	2539.7	2561.1	2598.6	2652.8	2709.0	2765.9	2770.6	2822.1	2857.6	2854.9
12.5°	2411.1	2411.8	2433.2	2478.7	2546.3	2616.0	2692.3	2703.0	2766.6	2812.1	2807.4
15°	2298.0	2300.7	2326.8	2378.3	2455.3	2538.3	2633.4	2643.4	2723.7	2784.0	2770.6
17.5°	2207.6	2210.3	2233.1	2292.0	2374.3	2474.7	2590.5	2600.6	2700.3	2771.9	2744.5
20°	2145.4	2144.0	2166.1	2222.4	2307.4	2416.5	2553.0	2567.8	2692.9	2776.6	2727.1
22.5°	2119.9	2119.3	2135.3	2181.5	2261.2	2371.6	2530.3	2550.4	2701.0	2797.4	2716.4
25°	2132.7	2130.0	2144.0	2178.2	2241.8	2354.2	2537.0	2558.4	2735.1	2840.2	2718.4
27.5°	2172.2	2168.8	2180.9	2211.7	2259.8	2372.3	2583.8	2608.6	2807.4	2918.5	2745.2
30°	2232.4	2230.4	2242.4	2271.9	2314.1	2432.6	2673.5	2701.6	2919.2	3040.4	2803.4
32.5°	2302.7	2299.3	2320.8	2354.9	2403.8	2542.3	2794.0	2830.8	3051.7	3197.0	2901.1
35°	2381.7	2379.0	2408.5	2458.0	2528.3	2695.0	2939.9	2980.1	3186.9	3374.4	3031.0
37.5°	2458.7	2458.7	2515.6	2589.2	2677.5	2861.0	3077.2	3102.6	3280.7	3531.7	3170.2
40°	2526.9	2531.0	2616.6	2727.1	2839.5	3010.9	3167.5	3189.0	3322.2	3640.1	3291.4
42.5°	2602.6	2605.9	2705.7	2850.2	2984.1	3132.1	3222.4	3233.1	3330.2	3694.3	3377.1
45°	2662.8	2667.5	2791.3	2946.0	3110.0	3223.1	3265.9	3275.3	3341.6	3723.8	3439.3
47.5°	2694.3	2701.0	2842.9	3022.9	3195.0	3304.8	3337.6	3341.6	3388.4	3775.3	3514.3
50°	2688.9	2702.3	2862.3	3061.1	3257.9	3387.1	3452.7	3459.4	3484.2	3851.0	3602.0
52.5°	2736.5	2742.5	2903.8	3106.6	3347.6	3539.0	3652.8	3662.2	3650.8	3907.9	3654.2
55°	2657.5	2686.2	2852.3	3099.9	3484.2	3774.0	3949.4	3944.7	3802.1	3971.5	3741.2
57.5°	2149.4	2191.6	2343.5	2631.4	3259.2	3938.7	4170.9	4159.6	3919.3	4020.3	3835.6
60°	1488.0	1494.7	1632.0	1836.1	2515.6	3479.5	4106.0	4130.8	3940.7	3958.8	3660.9
62.5°	1190.2	1188.2	1200.9	1206.2	1599.8	2445.9	3241.2	3331.5	3274.0	3084.5	2594.5
65°	1016.1	1023.5	1061.0	1041.6	1044.2	1377.6	1936.5	1949.3	1909.1	1840.8	1372.2
67.5°	795.2	807.9	874.2	949.9	925.8	886.9	1004.7	998.7	787.2	609.1	503.4
70°	498.0	506.1	577.0	745.7	805.9	728.3	646.0	643.3	421.7	346.7	380.2
72.5°	290.5	291.9	311.9	415.7	534.8	498.0	475.3	457.9	271.1	276.5	303.2
75°	160.0	160.0	159.3	179.4	210.9	186.8	180.7	176.0	181.4	205.5	225.6
77.5°	33.5	34.1	36.1	47.5	61.6	75.0	94.4	95.1	118.5	137.2	153.3
80°	15.4	16.1	20.1	25.4	32.8	43.5	57.6	58.2	71.6	86.4	97.1
82.5°	8.0	8.7	10.7	13.4	17.4	22.8	32.1	32.1	42.8	50.9	57.6
85°	2.7	2.7	4.0	5.4	7.4	9.4	12.7	12.7	18.7	24.8	28.8
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	2.7	2.7	3.3	4.0	6.7
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°	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2	3002.2
2.5°	2988.8	2968.1	2968.7	2972.7	2960.0	2940.6	2927.9	2911.8	2901.8	2899.8	2907.1
5°	2946.0	2921.9	2905.1	2887.7	2851.6	2808.7	2775.3	2747.8	2729.8	2723.1	2715.0
7.5°	2887.1	2855.6	2813.4	2764.6	2699.0	2622.7	2569.1	2518.9	2484.1	2474.1	2469.4
10°	2828.2	2782.6	2707.7	2616.6	2507.5	2404.4	2307.4	2233.1	2174.2	2140.7	2151.4
12.5°	2767.2	2711.0	2593.9	2454.0	2302.0	2146.7	2019.5	1896.4	1801.3	1753.8	1739.7
15°	2713.7	2637.4	2474.1	2284.6	2082.5	1887.0	1702.9	1518.2	1397.7	1332.1	1314.0
17.5°	2668.2	2569.1	2347.5	2111.9	1870.3	1591.8	1365.5	1194.2	1111.9	1075.7	1073.0
20°	2623.3	2502.2	2222.4	1925.8	1625.3	1313.3	1111.2	1030.9	1001.4	988.7	988.0
22.5°	2583.2	2431.9	2090.5	1739.7	1381.6	1103.8	992.7	957.9	949.9	949.9	948.5
25°	2549.0	2361.6	1955.3	1542.3	1161.4	982.7	931.1	916.4	919.7	925.8	926.4
27.5°	2535.0	2306.7	1824.7	1339.4	1009.4	912.4	888.9	886.9	896.3	905.7	907.0
30°	2549.7	2269.2	1690.9	1145.3	918.4	869.5	858.8	862.8	874.2	883.6	883.6
32.5°	2595.2	2250.5	1554.3	1003.4	865.5	839.4	836.1	840.1	848.8	854.1	854.8
35°	2672.2	2257.8	1413.1	907.7	831.4	817.3	816.7	819.3	822.7	826.0	826.7
37.5°	2769.3	2290.6	1261.8	852.1	809.3	801.3	799.9	799.2	799.9	799.9	800.6
40°	2864.3	2340.2	1126.6	819.3	793.9	787.2	783.9	779.2	778.5	777.2	776.5
42.5°	2934.6	2378.3	1018.8	795.9	779.8	771.8	767.8	760.4	759.8	759.1	758.4
45°	2987.5	2410.5	929.1	773.1	765.1	757.7	749.0	742.3	743.7	745.0	745.0
47.5°	3047.0	2438.6	863.5	751.7	747.0	739.7	729.0	724.3	729.0	733.6	733.6
50°	3119.3	2478.1	810.0	730.3	728.3	719.6	710.2	708.2	713.6	720.3	720.3
52.5°	3172.2	2512.2	771.8	708.9	708.9	697.5	689.5	688.8	694.8	701.5	702.2
55°	3271.3	2591.9	758.4	684.1	681.4	672.7	666.7	662.0	669.4	675.4	675.4
57.5°	3383.1	2697.6	761.8	648.6	645.3	642.6	637.9	632.6	634.6	641.3	641.9
60°	3146.1	2492.8	724.9	613.2	611.1	609.8	603.8	594.4	597.1	602.4	603.1
62.5°	2197.6	1656.7	586.4	569.0	575.7	575.0	567.0	556.3	556.9	564.3	564.3
65°	1140.6	896.3	514.8	528.8	538.9	534.8	521.5	512.1	510.7	520.1	518.1
67.5°	492.0	489.3	468.6	486.6	497.4	488.7	474.6	459.2	460.5	463.9	461.2
70°	396.3	408.3	417.0	436.4	445.1	429.1	413.7	405.0	397.6	396.9	392.3
72.5°	316.6	333.4	352.8	372.8	375.5	359.5	340.0	332.0	320.6	320.0	315.3
75°	238.3	252.4	267.8	283.8	283.8	268.4	255.7	251.7	238.3	234.3	230.3
77.5°	162.7	171.4	183.4	187.4	191.4	185.4	172.7	166.0	150.6	146.6	141.2
80°	102.4	108.4	115.8	118.5	122.5	115.1	105.1	97.7	87.0	83.7	81.0
82.5°	61.6	65.6	70.3	71.6	75.0	69.6	60.2	54.9	48.9	46.2	44.2
85°	31.5	33.5	36.1	36.8	36.1	30.8	27.4	24.8	20.8	20.1	18.7
87.5°	8.0	9.4	10.0	9.4	8.7	6.7	4.7	3.3	1.3	1.3	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)