

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: P632314

Luminaire Tested: GWS-SA2C-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632314
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7750.8 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

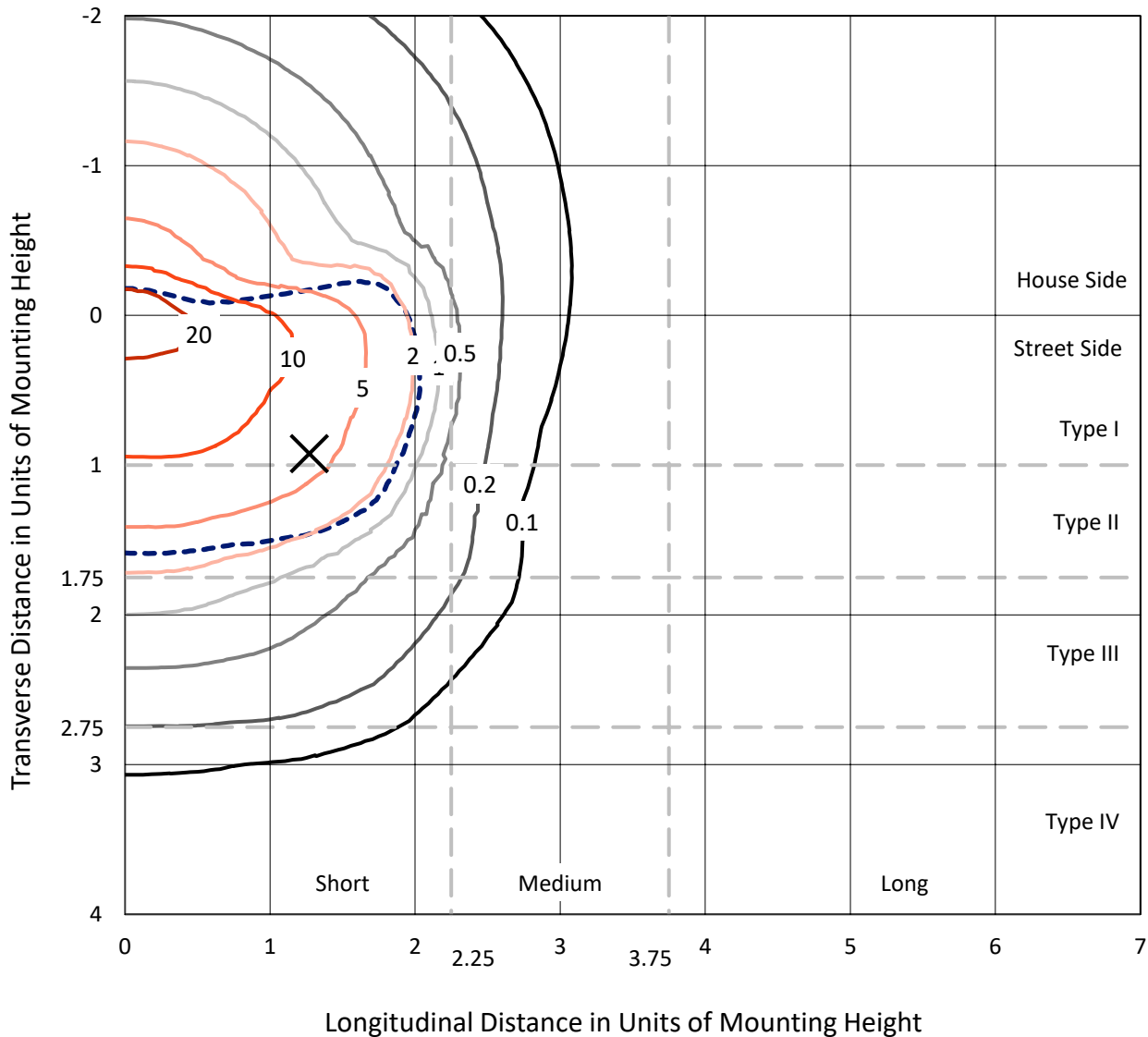
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

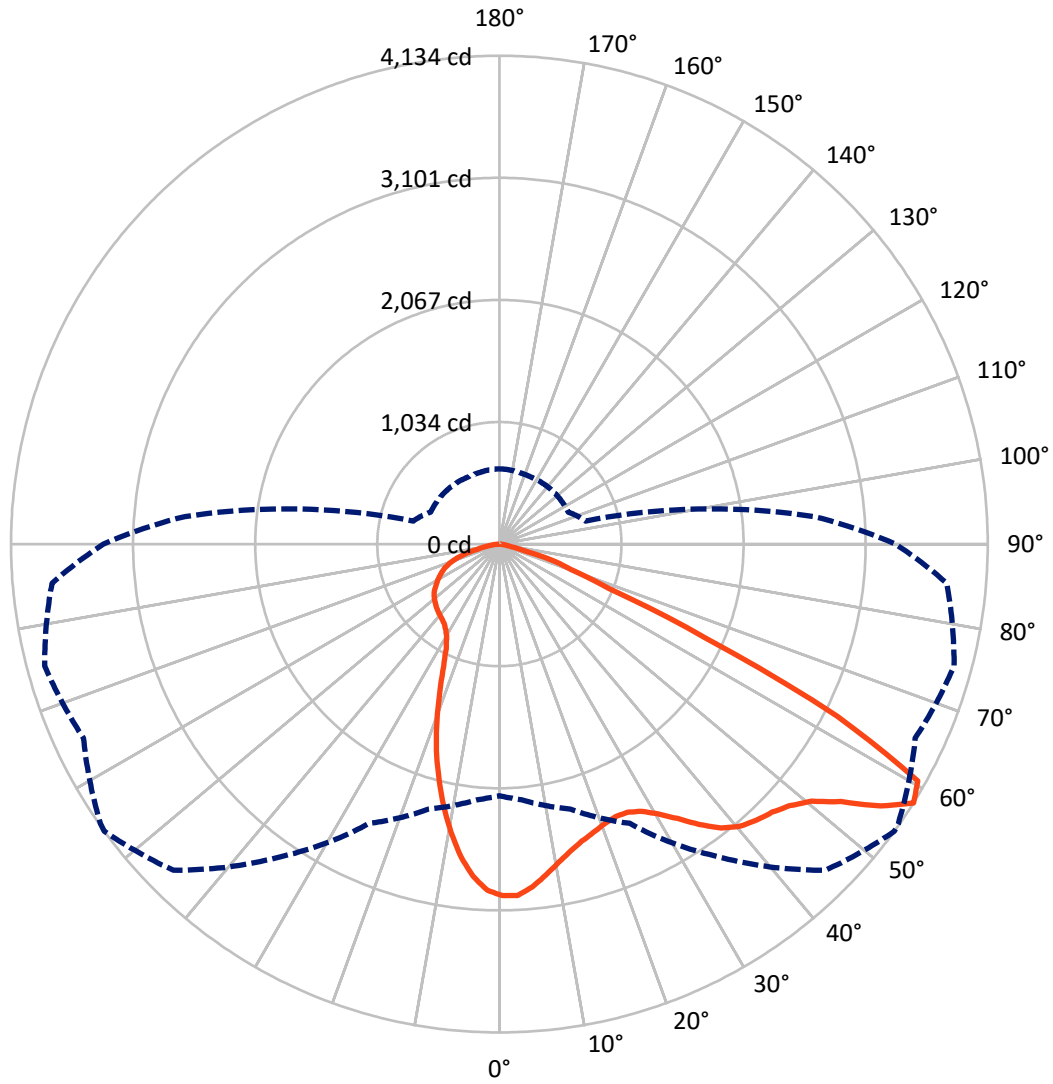
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.8 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	2253.2	0.0	2253.2
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	5497.6	0.0	5497.6
	% Fixture	70.9	0.0	70.9
Total	Lumens	7750.8	0.0	7750.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.6	3.4
10°-20°	624.1	8.1
20°-30°	863.7	11.1
30°-40°	1200.1	15.5
40°-50°	1585.0	20.4
50°-60°	1883.5	24.3
60°-70°	1043.5	13.5
70°-80°	259.8	3.4
80°-90°	29.5	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°	7750.8	100.0
0°-180°	7750.8	100.0

Coefficient of Utilization



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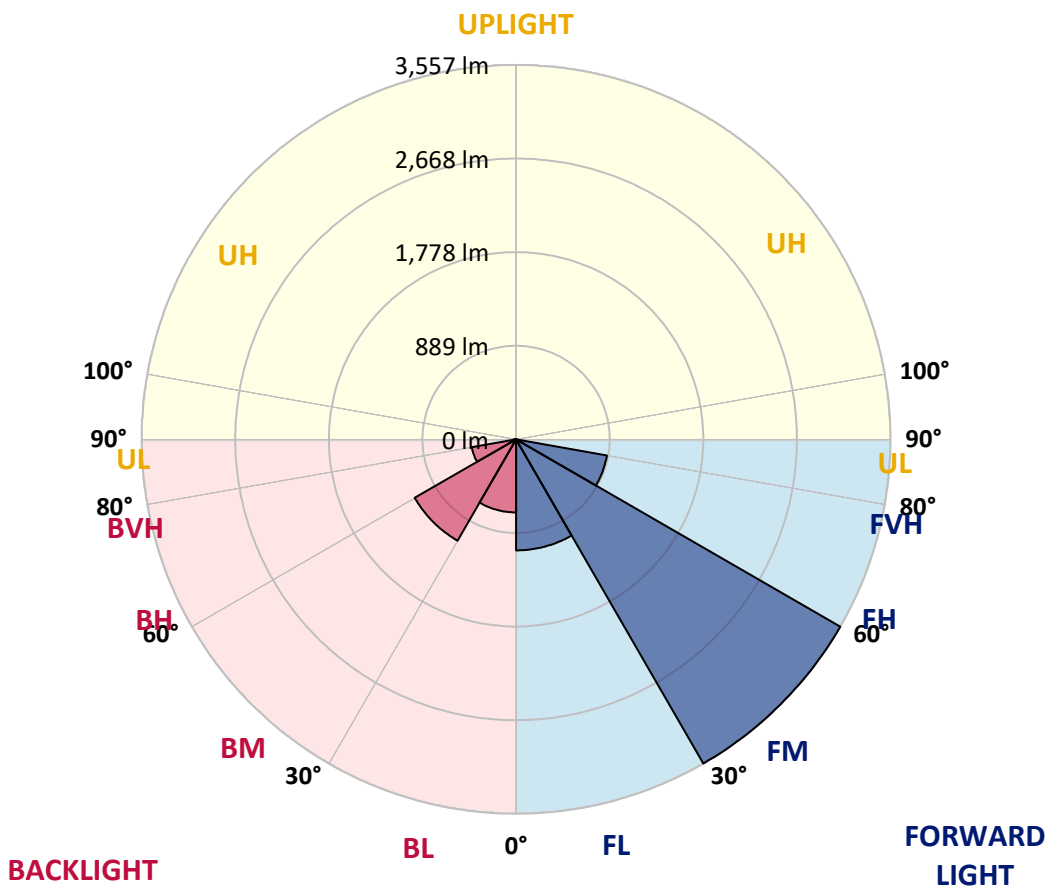
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.0	13.6			
FM (30°-60°)	3557.0	45.9			
FH (60°-80°)	876.3	11.3			G1/1800
FVH (80°-90°)	9.2	0.1			G0/10
BL (0°-30°)	694.4	9.0	B2/1000		
BM (30°-60°)	1111.6	14.3	B2/2500		
BH (60°-80°)	427.0	5.5	B1/500		G1/500
BVH (80°-90°)	20.3	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°	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7
2.5°	2920.0	2925.9	2929.9	2943.9	2955.8	2966.4	2977.7	2977.7	2977.0	2975.0	2971.1
5°	2804.5	2811.2	2820.5	2839.7	2865.6	2884.1	2914.7	2917.3	2930.6	2935.9	2933.2
7.5°	2670.5	2672.5	2684.4	2709.7	2750.8	2784.0	2827.8	2833.1	2864.9	2883.5	2880.2
10°	2523.9	2517.2	2538.5	2575.6	2629.4	2685.1	2741.5	2746.1	2797.2	2832.4	2829.7
12.5°	2389.9	2390.5	2411.8	2456.9	2523.9	2592.9	2668.5	2679.1	2742.2	2787.3	2782.6
15°	2277.7	2280.4	2306.3	2357.3	2433.6	2515.9	2610.1	2620.1	2699.7	2759.4	2746.1
17.5°	2188.2	2190.8	2213.4	2271.8	2353.4	2452.9	2567.7	2577.6	2676.5	2747.5	2720.3
20°	2126.5	2125.1	2147.0	2202.8	2287.0	2395.2	2530.5	2545.1	2669.2	2752.1	2703.0
22.5°	2101.2	2100.6	2116.5	2162.3	2241.2	2350.7	2508.0	2527.9	2677.1	2772.7	2692.4
25°	2113.8	2111.2	2125.1	2159.0	2222.0	2333.5	2514.6	2535.8	2711.0	2815.1	2694.4
27.5°	2153.0	2149.7	2161.6	2192.1	2239.9	2351.4	2561.0	2585.6	2782.6	2892.8	2720.9
30°	2212.7	2210.7	2222.7	2251.9	2293.7	2411.1	2649.9	2677.8	2893.4	3013.5	2778.7
32.5°	2282.4	2279.1	2300.3	2334.1	2382.6	2519.9	2769.4	2805.9	3024.8	3168.8	2875.5
35°	2360.7	2358.0	2387.2	2436.3	2506.0	2671.2	2914.0	2953.8	3158.8	3344.6	3004.2
37.5°	2437.0	2437.0	2493.4	2566.3	2653.9	2835.7	3050.0	3075.2	3251.7	3500.5	3142.2
40°	2504.6	2508.6	2593.5	2703.0	2814.5	2984.3	3139.6	3160.8	3292.9	3608.0	3262.3
42.5°	2579.6	2582.9	2681.8	2825.1	2957.8	3104.4	3194.0	3204.6	3300.8	3661.7	3347.3
45°	2639.3	2644.0	2766.7	2920.0	3082.5	3194.7	3237.1	3246.4	3312.1	3690.9	3409.0
47.5°	2670.5	2677.1	2817.8	2996.3	3166.8	3275.6	3308.1	3312.1	3358.5	3742.0	3483.3
50°	2665.2	2678.5	2837.0	3034.1	3229.2	3357.2	3422.2	3428.9	3453.4	3817.0	3570.2
52.5°	2712.3	2718.3	2878.2	3079.2	3318.1	3507.8	3620.6	3629.9	3618.6	3873.4	3621.9
55°	2634.0	2662.5	2827.1	3072.6	3453.4	3740.7	3914.5	3909.9	3768.6	3936.4	3708.2
57.5°	2130.4	2172.2	2322.8	2608.1	3230.5	3903.9	4134.1	4122.9	3884.7	3984.9	3801.7
60°	1474.9	1481.6	1617.6	1819.9	2493.4	3448.8	4069.8	4094.3	3905.9	3923.8	3628.6
62.5°	1179.7	1177.7	1190.3	1195.6	1585.7	2424.4	3212.6	3302.1	3245.1	3057.3	2571.6
65°	1007.2	1014.5	1051.6	1032.4	1035.0	1365.4	1919.4	1932.1	1892.2	1824.6	1360.1
67.5°	788.2	800.8	866.5	941.5	917.6	879.1	995.9	989.9	780.3	603.8	498.9
70°	493.6	501.6	571.9	739.1	798.8	721.9	640.3	637.6	418.0	343.7	376.9
72.5°	288.0	289.3	309.2	412.0	530.1	493.6	471.1	453.8	268.7	274.0	300.6
75°	158.6	158.6	157.9	177.8	209.0	185.1	179.1	174.5	179.8	203.7	223.6
77.5°	33.2	33.8	35.8	47.1	61.0	74.3	93.6	94.2	117.4	136.0	151.9
80°	15.3	15.9	19.9	25.2	32.5	43.1	57.1	57.7	71.0	85.6	96.2
82.5°	8.0	8.6	10.6	13.3	17.3	22.6	31.8	31.8	42.5	50.4	57.1
85°	2.7	2.7	4.0	5.3	7.3	9.3	12.6	12.6	18.6	24.5	28.5
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	2.7	2.7	3.3	4.0	6.6
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°	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7	2975.7
2.5°	2962.4	2941.9	2942.5	2946.5	2933.9	2914.7	2902.1	2886.1	2876.2	2874.2	2881.5
5°	2920.0	2896.1	2879.5	2862.3	2826.4	2784.0	2750.8	2723.6	2705.7	2699.0	2691.1
7.5°	2861.6	2830.4	2788.6	2740.2	2675.2	2599.5	2546.4	2496.7	2462.2	2452.2	2447.6
10°	2803.2	2758.1	2683.8	2593.5	2485.4	2383.2	2287.0	2213.4	2155.0	2121.8	2132.4
12.5°	2742.8	2687.1	2571.0	2432.3	2281.7	2127.8	2001.7	1879.6	1785.4	1738.3	1724.4
15°	2689.7	2614.1	2452.2	2264.5	2064.1	1870.4	1687.9	1504.8	1385.3	1320.3	1302.4
17.5°	2644.6	2546.4	2326.8	2093.3	1853.8	1577.8	1353.5	1183.6	1102.0	1066.2	1063.6
20°	2600.2	2480.1	2202.8	1908.8	1610.9	1301.7	1101.4	1021.8	992.6	980.0	979.3
22.5°	2560.4	2410.4	2072.0	1724.4	1369.4	1094.1	983.9	949.4	941.5	941.5	940.2
25°	2526.5	2340.8	1938.0	1528.7	1151.1	974.0	922.9	908.3	911.6	917.6	918.3
27.5°	2512.6	2286.4	1808.6	1327.6	1000.5	904.3	881.1	879.1	888.4	897.7	899.0
30°	2527.2	2249.2	1676.0	1135.2	910.3	861.9	851.2	855.2	866.5	875.8	875.8
32.5°	2572.3	2230.6	1540.6	994.6	857.9	832.0	828.7	832.7	841.3	846.6	847.3
35°	2648.6	2237.9	1400.6	899.7	824.0	810.1	809.4	812.1	815.4	818.7	819.4
37.5°	2744.8	2270.4	1250.7	844.6	802.1	794.2	792.9	792.2	792.9	792.9	793.5
40°	2839.0	2319.5	1116.6	812.1	786.9	780.3	776.9	772.3	771.6	770.3	769.6
42.5°	2908.7	2357.3	1009.8	788.9	773.0	765.0	761.0	753.7	753.0	752.4	751.7
45°	2961.1	2389.2	920.9	766.3	758.4	751.1	742.4	735.8	737.1	738.5	738.5
47.5°	3020.2	2417.1	855.9	745.1	740.4	733.1	722.5	717.9	722.5	727.2	727.2
50°	3091.8	2456.2	802.8	723.9	721.9	713.2	704.0	702.0	707.3	713.9	713.9
52.5°	3144.2	2490.0	765.0	702.6	702.6	691.3	683.4	682.7	688.7	695.3	696.0
55°	3242.4	2569.0	751.7	678.1	675.4	666.8	660.8	656.2	663.5	669.5	669.5
57.5°	3353.2	2673.8	755.0	642.9	639.6	636.9	632.3	627.0	629.0	635.6	636.3
60°	3118.4	2470.8	718.5	607.7	605.8	604.4	598.5	589.2	591.8	597.1	597.8
62.5°	2178.2	1642.1	581.2	564.0	570.6	569.9	562.0	551.4	552.0	559.3	559.3
65°	1130.6	888.4	510.2	524.1	534.1	530.1	516.9	507.6	506.2	515.5	513.5
67.5°	487.7	485.0	464.4	482.4	493.0	484.3	470.4	455.1	456.5	459.8	457.1
70°	392.8	404.7	413.3	432.6	441.2	425.3	410.0	401.4	394.1	393.4	388.8
72.5°	313.8	330.4	349.7	369.6	372.2	356.3	337.0	329.1	317.8	317.1	312.5
75°	236.2	250.1	265.4	281.3	281.3	266.1	253.4	249.5	236.2	232.2	228.2
77.5°	161.2	169.9	181.8	185.8	189.8	183.8	171.2	164.5	149.3	145.3	140.0
80°	101.5	107.5	114.8	117.4	121.4	114.1	104.2	96.9	86.3	82.9	80.3
82.5°	61.0	65.0	69.7	71.0	74.3	69.0	59.7	54.4	48.4	45.8	43.8
85°	31.2	33.2	35.8	36.5	35.8	30.5	27.2	24.5	20.6	19.9	18.6
87.5°	8.0	9.3	10.0	9.3	8.6	6.6	4.6	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)