

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: P633084

Luminaire Tested: GWS-SA2E-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633084
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-SA2E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9000.6 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

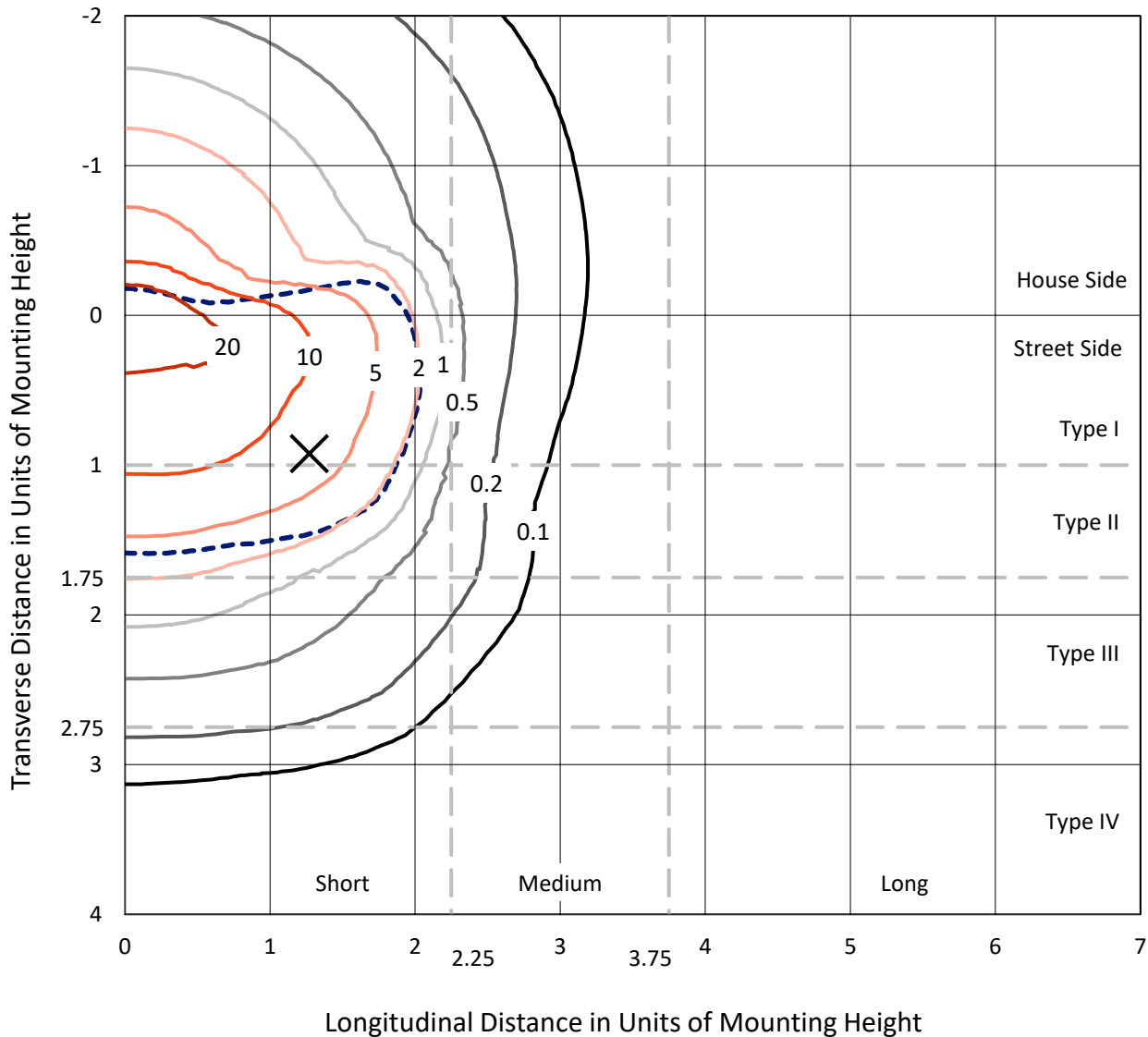
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

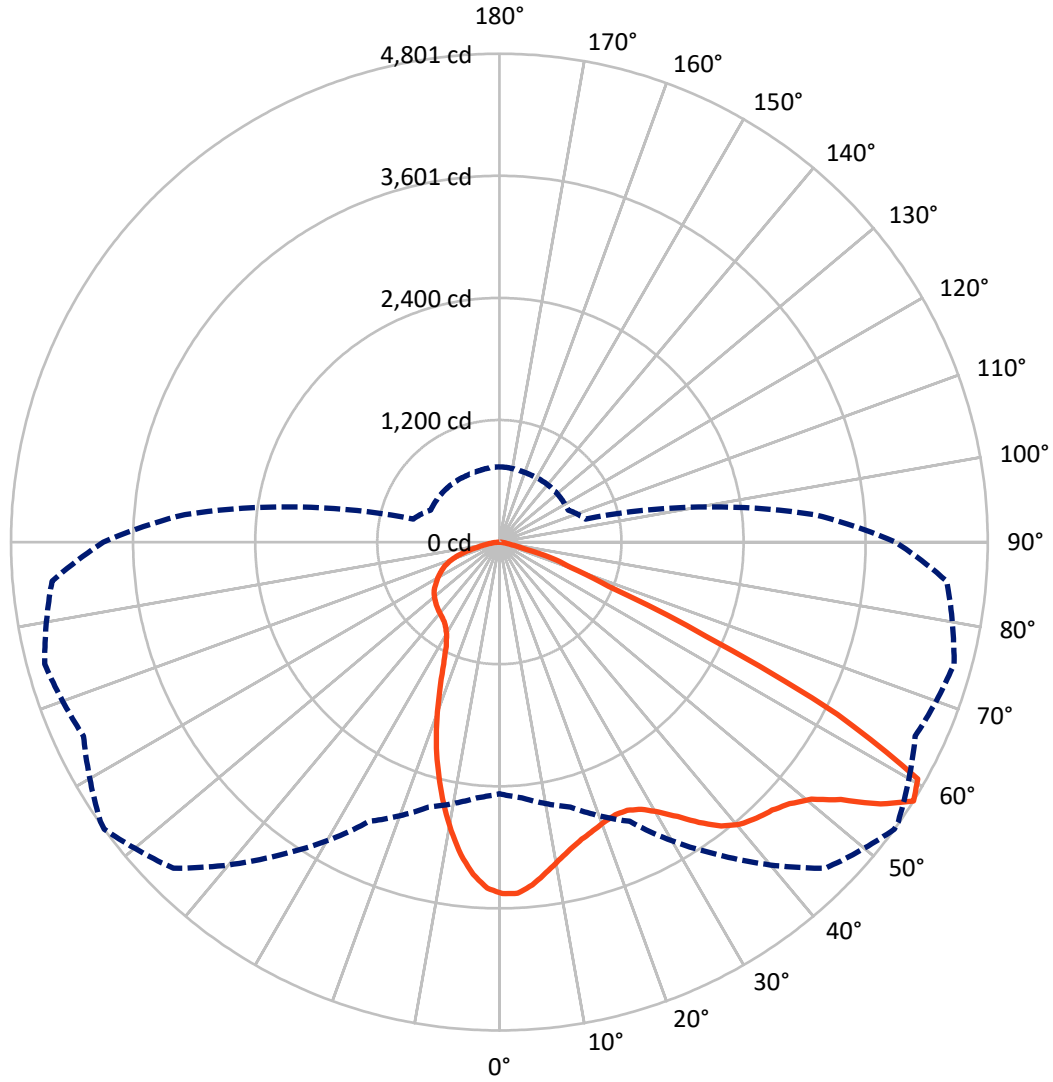
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.6 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	2616.6	0.0	2616.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	6384.0	0.0	6384.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	9000.6	0.0	9000.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	3.4
10°-20°	724.8	8.1
20°-30°	1003.0	11.1
30°-40°	1393.6	15.5
40°-50°	1840.5	20.4
50°-60°	2187.2	24.3
60°-70°	1211.7	13.5
70°-80°	301.7	3.4
80°-90°	34.3	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°	9000.6	100.0
0°-180°	9000.6	100.0

Coefficient of Utilization



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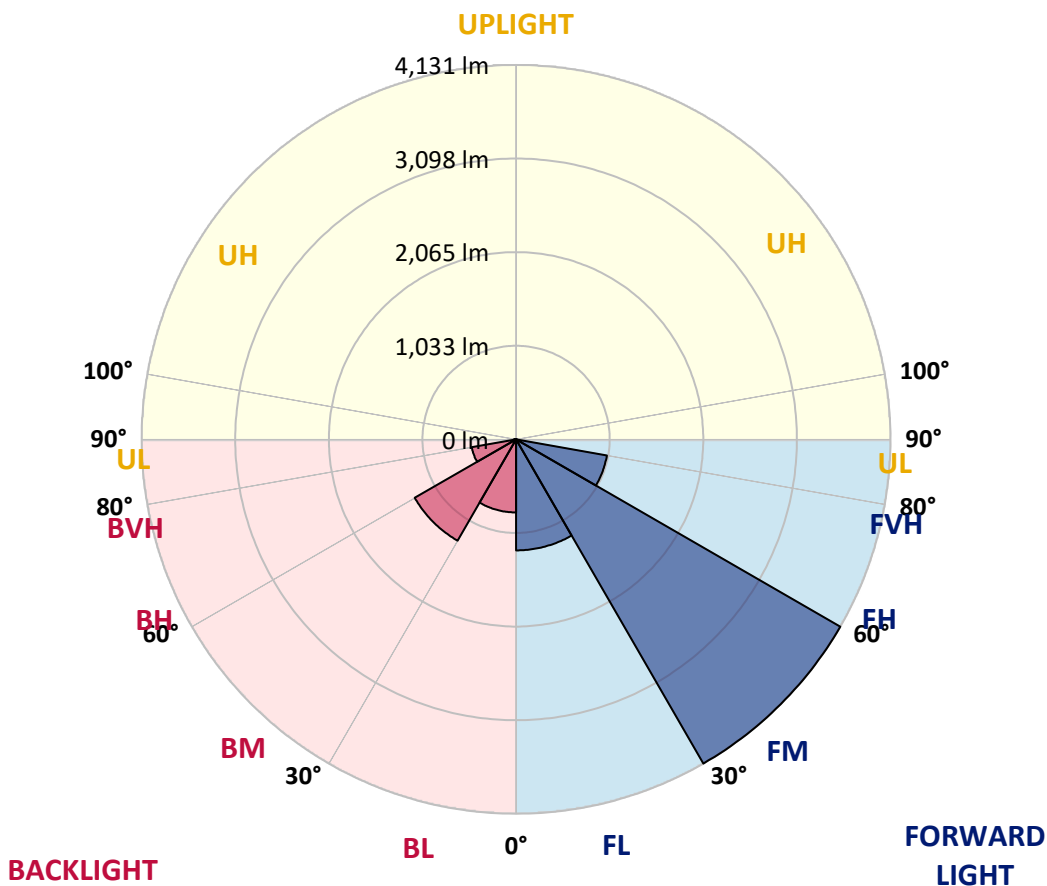
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.1	13.6			
FM (30°-60°)	4130.5	45.9			
FH (60°-80°)	1017.6	11.3			G1/1800
FVH (80°-90°)	10.7	0.1			G1/100
BL (0°-30°)	806.3	9.0	B2/1000		
BM (30°-60°)	1290.8	14.3	B2/2500		
BH (60°-80°)	495.9	5.5	B1/500		G1/500
BVH (80°-90°)	23.6	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°	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5
2.5°	3390.8	3397.7	3402.4	3418.6	3432.4	3444.7	3457.8	3457.8	3457.1	3454.8	3450.1
5°	3256.8	3264.5	3275.2	3297.6	3327.6	3349.2	3384.7	3387.7	3403.1	3409.3	3406.2
7.5°	3101.1	3103.4	3117.3	3146.6	3194.3	3232.9	3283.7	3289.9	3326.9	3348.4	3344.6
10°	2930.8	2923.1	2947.8	2990.9	3053.4	3118.1	3183.6	3189.0	3248.3	3289.1	3286.0
12.5°	2775.2	2776.0	2800.6	2853.0	2930.8	3011.0	3098.8	3111.1	3184.3	3236.7	3231.3
15°	2645.0	2648.1	2678.1	2737.5	2826.1	2921.6	3031.0	3042.6	3135.0	3204.4	3189.0
17.5°	2541.0	2544.1	2570.3	2638.1	2732.8	2848.4	2981.7	2993.3	3108.1	3190.5	3158.9
20°	2469.3	2467.8	2493.2	2557.9	2655.8	2781.4	2938.6	2955.5	3099.6	3195.9	3138.9
22.5°	2440.1	2439.3	2457.8	2510.9	2602.6	2729.8	2912.4	2935.5	3108.8	3219.8	3126.5
25°	2454.7	2451.6	2467.8	2507.1	2580.3	2709.7	2920.1	2944.7	3148.1	3269.1	3128.9
27.5°	2500.2	2496.3	2510.2	2545.6	2601.1	2730.5	2974.0	3002.5	3231.3	3359.2	3159.7
30°	2569.5	2567.2	2581.1	2615.0	2663.5	2799.9	3077.2	3109.6	3360.0	3499.5	3226.7
32.5°	2650.4	2646.5	2671.2	2710.5	2766.7	2926.2	3215.9	3258.3	3512.5	3679.7	3339.2
35°	2741.3	2738.2	2772.1	2829.1	2910.0	3101.9	3383.9	3430.1	3668.2	3883.9	3488.7
37.5°	2829.9	2829.9	2895.4	2980.2	3081.9	3293.0	3541.8	3571.1	3776.0	4065.0	3648.9
40°	2908.5	2913.1	3011.7	3138.9	3268.3	3465.6	3645.8	3670.5	3823.8	4189.8	3788.4
42.5°	2995.6	2999.4	3114.2	3280.6	3434.7	3605.0	3709.0	3721.3	3833.1	4252.2	3887.0
45°	3064.9	3070.3	3212.8	3390.8	3579.6	3709.8	3759.1	3769.9	3846.2	4286.1	3958.6
47.5°	3101.1	3108.8	3272.2	3479.4	3677.4	3803.8	3841.5	3846.2	3900.1	4345.4	4044.9
50°	3095.0	3110.4	3294.5	3523.3	3749.9	3898.6	3974.1	3981.8	4010.3	4432.5	4145.9
52.5°	3149.7	3156.6	3342.3	3575.7	3853.1	4073.4	4204.4	4215.2	4202.1	4498.0	4206.0
55°	3058.7	3091.9	3283.0	3568.0	4010.3	4343.9	4545.7	4540.3	4376.2	4571.2	4306.1
57.5°	2474.0	2522.5	2697.4	3028.7	3751.4	4533.4	4800.8	4787.7	4511.1	4627.4	4414.8
60°	1712.7	1720.4	1878.4	2113.4	2895.4	4004.9	4726.0	4754.5	4535.7	4556.5	4213.7
62.5°	1369.9	1367.6	1382.2	1388.4	1841.4	2815.3	3730.6	3834.6	3768.3	3550.3	2986.3
65°	1169.6	1178.0	1221.2	1198.8	1201.9	1585.6	2229.0	2243.6	2197.4	2118.8	1579.5
67.5°	915.3	930.0	1006.2	1093.3	1065.6	1020.9	1156.5	1149.5	906.1	701.1	579.4
70°	573.2	582.5	664.1	858.3	927.6	838.3	743.5	740.4	485.4	399.1	437.6
72.5°	334.4	335.9	359.0	478.5	615.6	573.2	547.0	527.0	312.0	318.2	349.0
75°	184.1	184.1	183.4	206.5	242.7	215.0	208.0	202.6	208.8	236.5	259.6
77.5°	38.5	39.3	41.6	54.7	70.9	86.3	108.6	109.4	136.4	157.9	176.4
80°	17.7	18.5	23.1	29.3	37.8	50.1	66.3	67.0	82.4	99.4	111.7
82.5°	9.2	10.0	12.3	15.4	20.0	26.2	37.0	37.0	49.3	58.6	66.3
85°	3.1	3.1	4.6	6.2	8.5	10.8	14.6	14.6	21.6	28.5	33.1
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	3.1	3.1	3.9	4.6	7.7
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°	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5	3455.5
2.5°	3440.1	3416.2	3417.0	3421.6	3407.0	3384.7	3370.0	3351.5	3340.0	3337.7	3346.1
5°	3390.8	3363.1	3343.8	3323.8	3282.2	3232.9	3194.3	3162.8	3142.0	3134.3	3125.0
7.5°	3323.0	3286.8	3238.3	3182.0	3106.5	3018.7	2957.0	2899.3	2859.2	2847.6	2842.2
10°	3255.2	3202.8	3116.5	3011.7	2886.2	2767.5	2655.8	2570.3	2502.5	2463.9	2476.3
12.5°	3185.1	3120.4	2985.6	2824.5	2649.6	2470.9	2324.5	2182.7	2073.3	2018.6	2002.4
15°	3123.5	3035.6	2847.6	2629.6	2396.9	2171.9	1960.1	1747.4	1608.7	1533.2	1512.4
17.5°	3071.1	2957.0	2702.0	2430.8	2152.7	1832.2	1571.7	1374.5	1279.7	1238.1	1235.1
20°	3019.5	2880.0	2557.9	2216.6	1870.7	1511.7	1279.0	1186.5	1152.6	1138.0	1137.2
22.5°	2973.2	2799.1	2406.2	2002.4	1590.2	1270.5	1142.6	1102.5	1093.3	1093.3	1091.7
25°	2933.9	2718.2	2250.5	1775.2	1336.8	1131.0	1071.7	1054.8	1058.6	1065.6	1066.3
27.5°	2917.8	2655.0	2100.3	1541.7	1161.9	1050.1	1023.2	1020.9	1031.7	1042.4	1044.0
30°	2934.7	2611.9	1946.2	1318.3	1057.1	1000.8	988.5	993.1	1006.2	1017.0	1017.0
32.5°	2987.1	2590.3	1789.0	1154.9	996.2	966.2	962.3	966.9	976.9	983.1	983.9
35°	3075.7	2598.8	1626.5	1044.8	956.9	940.7	940.0	943.0	946.9	950.8	951.5
37.5°	3187.4	2636.5	1452.3	980.8	931.5	922.2	920.7	919.9	920.7	920.7	921.5
40°	3296.8	2693.5	1296.7	943.0	913.8	906.1	902.2	896.8	896.1	894.5	893.7
42.5°	3377.7	2737.5	1172.6	916.1	897.6	888.3	883.7	875.2	874.5	873.7	872.9
45°	3438.6	2774.4	1069.4	889.9	880.6	872.2	862.2	854.4	856.0	857.5	857.5
47.5°	3507.2	2806.8	993.9	865.2	859.8	851.4	839.0	833.6	839.0	844.4	844.4
50°	3590.4	2852.3	932.3	840.6	838.3	828.2	817.5	815.2	821.3	829.0	829.0
52.5°	3651.2	2891.6	888.3	815.9	815.9	802.8	793.6	792.8	799.7	807.4	808.2
55°	3765.3	2983.2	872.9	787.4	784.3	774.3	767.4	762.0	770.5	777.4	777.4
57.5°	3893.9	3105.0	876.8	746.6	742.7	739.6	734.3	728.1	730.4	738.1	738.9
60°	3621.2	2869.2	834.4	705.7	703.4	701.9	695.0	684.2	687.3	693.4	694.2
62.5°	2529.4	1906.9	674.9	654.9	662.6	661.8	652.6	640.3	641.0	649.5	649.5
65°	1312.9	1031.7	592.5	608.7	620.2	615.6	600.2	589.4	587.9	598.7	596.3
67.5°	566.3	563.2	539.3	560.1	572.5	562.4	546.3	528.5	530.1	533.9	530.9
70°	456.1	470.0	480.0	502.3	512.4	493.9	476.1	466.1	457.7	456.9	451.5
72.5°	364.4	383.7	406.0	429.1	432.2	413.7	391.4	382.2	369.1	368.3	362.9
75°	274.3	290.5	308.2	326.7	326.7	309.0	294.3	289.7	274.3	269.7	265.0
77.5°	187.2	197.2	211.1	215.7	220.4	213.4	198.8	191.1	173.4	168.7	162.6
80°	117.9	124.8	133.3	136.4	141.0	132.5	121.0	112.5	100.2	96.3	93.2
82.5°	70.9	75.5	80.9	82.4	86.3	80.1	69.3	63.2	56.2	53.2	50.9
85°	36.2	38.5	41.6	42.4	41.6	35.4	31.6	28.5	23.9	23.1	21.6
87.5°	9.2	10.8	11.6	10.8	10.0	7.7	5.4	3.9	1.5	1.5	0.8
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)