

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: P632860

Luminaire Tested: GWS-SA2D-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 10172.6 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

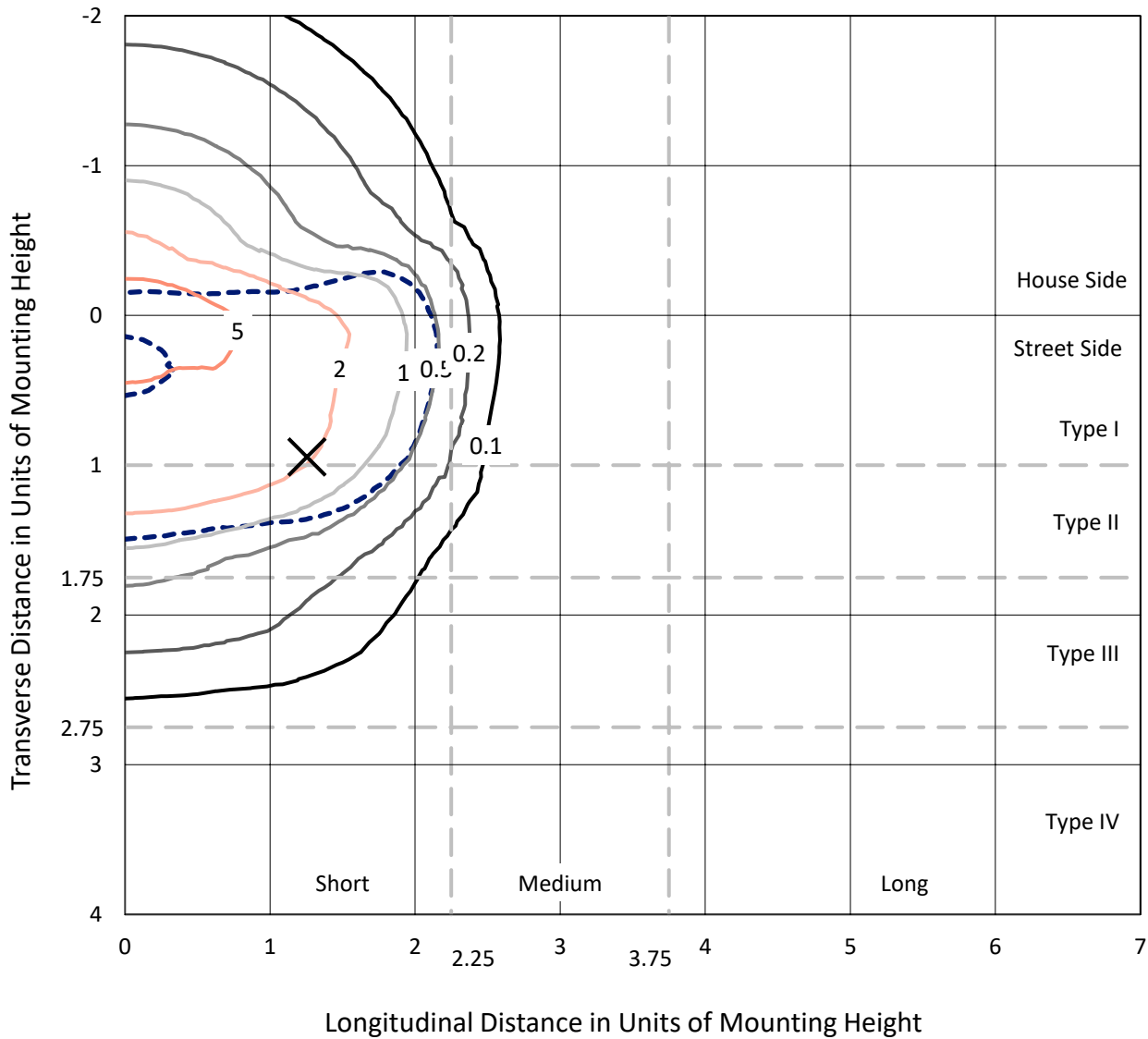
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

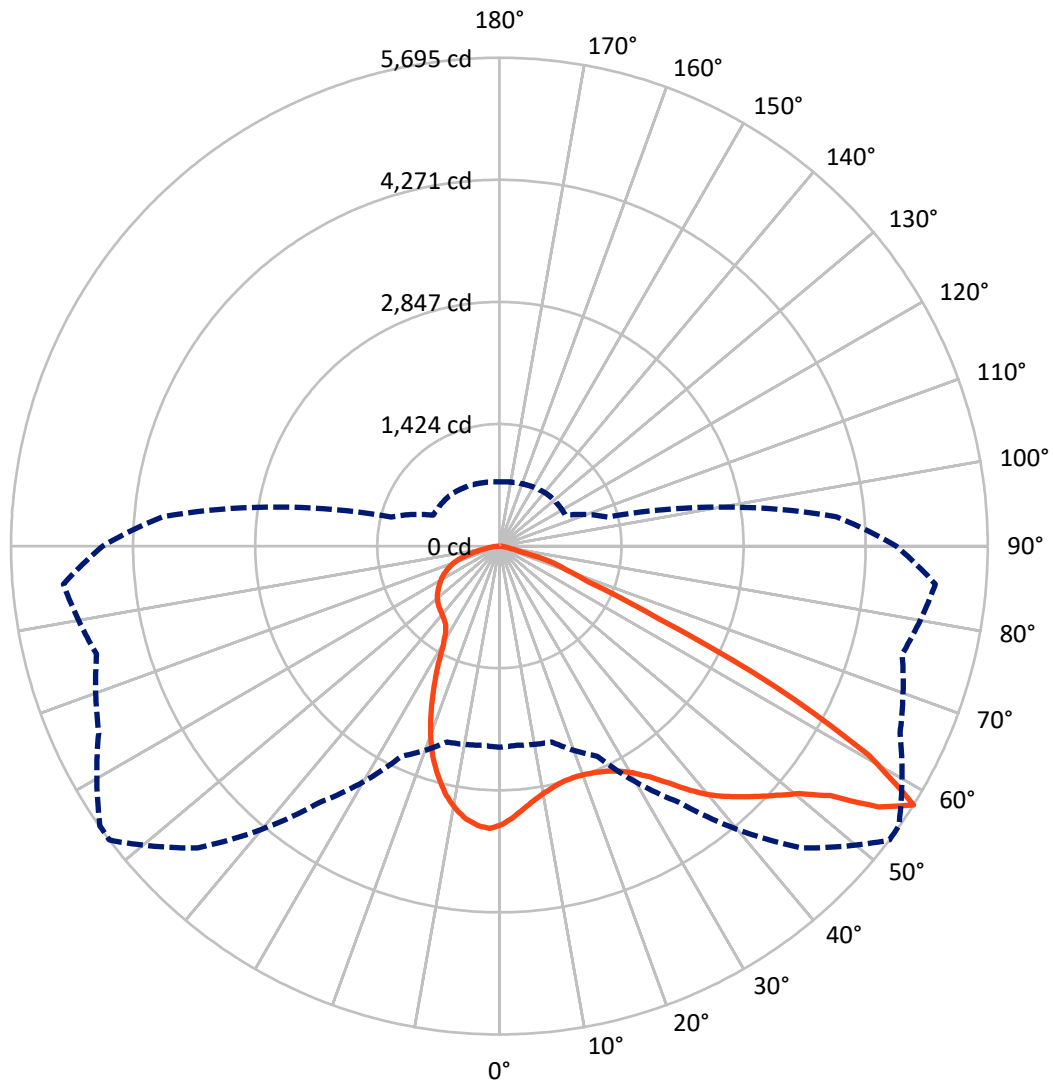
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA2D-750-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3180.6	0.0	3180.6
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	6992.0	0.0	6992.0
	% Fixture	68.7	0.0	68.7
Total	Lumens	10172.6	0.0	10172.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.8	2.9
10°-20°	770.7	7.6
20°-30°	1135.5	11.2
30°-40°	1589.4	15.6
40°-50°	2089.3	20.5
50°-60°	2449.7	24.1
60°-70°	1443.2	14.2
70°-80°	359.0	3.5
80°-90°	42.1	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°	10172.6	100.0
0°-180°	10172.6	100.0

Coefficient of Utilization



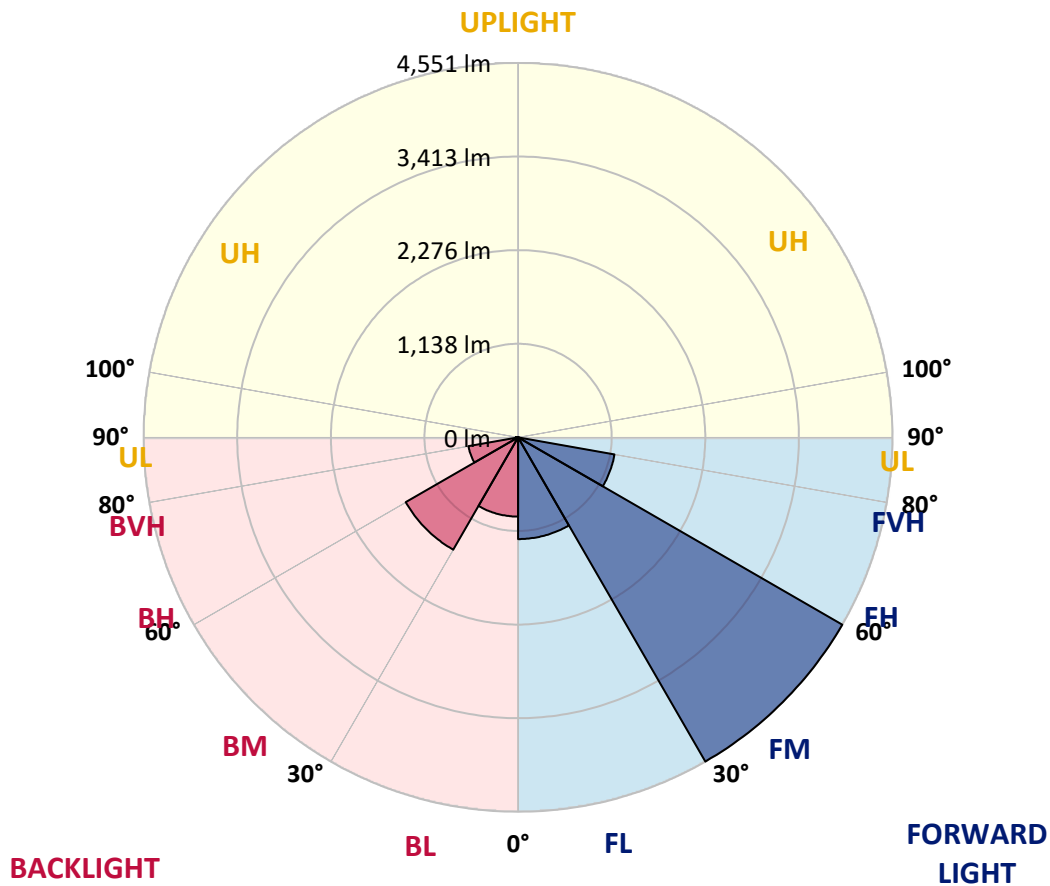
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1236.8	12.2			
FM (30°-60°)	4551.3	44.7			
FH (60°-80°)	1189.8	11.7			G1/1800
FVH (80°-90°)	14.1	0.1			G1/100
BL (0°-30°)	963.1	9.5	B2/1000		
BM (30°-60°)	1577.1	15.5	B2/2500		
BH (60°-80°)	612.4	6.0	B2/1000		G2/1000
BVH (80°-90°)	28.0	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4
2.5°	3061.7	3070.3	3072.0	3098.6	3100.3	3138.8	3164.5	3159.3	3185.9	3218.4	3244.1
5°	2915.3	2916.2	2924.7	2956.4	2973.5	3024.1	3066.9	3066.9	3118.2	3185.0	3242.4
7.5°	2794.6	2793.7	2801.5	2836.6	2864.8	2925.6	2983.8	2990.7	3062.6	3160.2	3253.5
10°	2682.4	2688.4	2697.0	2739.8	2775.8	2851.1	2920.5	2931.6	3022.4	3143.1	3268.9
12.5°	2610.5	2611.4	2624.2	2672.2	2718.4	2798.9	2871.7	2885.4	2989.8	3126.8	3280.1
15°	2564.3	2565.1	2578.8	2631.9	2685.9	2767.2	2841.7	2857.1	2971.0	3124.2	3301.5
17.5°	2543.7	2542.9	2555.7	2608.8	2667.9	2752.7	2832.3	2851.1	2979.5	3143.9	3339.1
20°	2543.7	2544.6	2551.4	2599.4	2659.3	2749.2	2841.7	2864.8	3012.9	3188.5	3397.4
22.5°	2579.7	2583.1	2586.6	2619.1	2666.2	2754.4	2866.5	2897.3	3084.9	3262.9	3473.6
25°	2649.9	2650.8	2654.2	2680.7	2702.1	2768.9	2907.6	2953.9	3197.0	3371.7	3569.5
27.5°	2744.1	2756.1	2759.5	2776.6	2776.6	2804.9	2971.8	3038.6	3348.6	3528.4	3691.9
30°	2875.9	2880.2	2886.2	2905.1	2884.5	2872.5	3066.0	3151.6	3524.1	3717.6	3839.2
32.5°	2991.5	3000.9	3033.5	3064.3	3027.5	2989.8	3204.7	3305.8	3692.7	3914.5	3995.8
35°	3090.0	3113.1	3175.6	3244.1	3218.4	3180.7	3388.8	3494.1	3831.5	4055.8	4134.5
37.5°	3209.0	3227.0	3312.6	3423.9	3447.0	3429.0	3613.1	3688.5	3923.9	4091.7	4209.9
40°	3329.7	3357.1	3467.6	3621.7	3709.9	3722.7	3820.3	3870.8	3955.6	4021.5	4195.3
42.5°	3453.0	3500.1	3651.7	3831.5	3988.1	4017.2	3995.0	4016.4	3945.3	3924.8	4127.7
45°	3603.7	3659.4	3830.6	4060.1	4266.4	4311.8	4166.2	4146.5	3943.6	3888.0	4085.7
47.5°	3781.8	3837.4	4001.0	4268.1	4531.8	4565.2	4341.7	4305.8	4003.5	3944.5	4142.2
50°	3939.3	3977.9	4124.3	4423.1	4779.3	4798.9	4535.2	4491.6	4152.5	4101.2	4318.6
52.5°	3779.2	3774.9	3929.1	4297.2	4907.7	5144.8	4833.2	4791.2	4440.2	4361.4	4591.7
55°	3206.4	3157.6	3295.5	3657.6	4548.9	5452.2	5367.5	5283.6	4823.8	4623.4	4847.7
57.5°	2344.2	2330.6	2363.9	2703.8	3643.9	4976.2	5694.5	5686.8	5155.1	4863.2	5102.9
60°	1833.1	1812.6	1723.5	1732.9	2483.8	3887.1	4941.9	5168.8	5360.6	5007.0	5281.0
62.5°	1627.6	1612.2	1566.0	1438.4	1479.5	2606.2	3622.5	3830.6	4684.2	4422.2	4536.1
65°	1347.6	1343.4	1381.9	1376.8	1239.8	1439.3	2044.6	2254.3	2945.3	2982.1	2945.3
67.5°	979.5	971.8	1069.4	1262.0	1193.5	1086.5	1139.6	1212.4	1510.3	1356.2	1220.9
70°	637.0	625.9	682.4	911.8	1068.5	946.9	821.1	809.1	830.5	516.3	558.2
72.5°	427.2	414.4	413.5	501.7	645.6	637.9	636.1	630.2	562.5	407.5	452.1
75°	238.0	227.7	225.2	216.6	231.2	235.5	250.9	259.4	280.8	309.1	342.5
77.5°	40.2	39.4	49.7	63.4	87.3	112.2	138.7	146.4	180.7	214.0	235.5
80°	22.3	23.1	30.0	36.8	48.8	66.8	85.6	90.8	111.3	129.3	146.4
82.5°	12.0	12.0	15.4	19.7	26.5	35.1	46.2	50.5	64.2	75.3	87.3
85°	4.3	4.3	6.0	7.7	11.1	14.6	18.0	20.5	28.3	38.5	43.7
87.5°	0.0	0.0	0.0	0.0	0.9	1.7	3.4	3.4	4.3	7.7	11.1
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°	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4	3248.4
2.5°	3265.5	3242.4	3274.1	3288.6	3293.8	3297.2	3274.9	3259.5	3254.4	3238.1	3228.7
5°	3277.5	3262.1	3292.1	3292.1	3270.6	3248.4	3203.0	3171.3	3149.1	3122.5	3118.2
7.5°	3298.0	3286.9	3303.2	3269.8	3215.9	3155.9	3077.1	3015.5	2965.8	2933.3	2934.2
10°	3325.4	3311.7	3298.9	3224.4	3126.0	3015.5	2894.8	2804.9	2722.7	2685.0	2664.5
12.5°	3343.4	3323.7	3269.8	3146.5	3001.8	2853.7	2683.3	2549.7	2430.7	2376.8	2372.5
15°	3365.7	3329.7	3221.8	3045.5	2844.3	2642.2	2423.0	2237.2	2076.3	1992.4	1988.1
17.5°	3394.8	3335.7	3164.5	2929.9	2678.2	2380.2	2104.5	1870.8	1699.5	1634.5	1645.6
20°	3435.9	3342.6	3099.4	2801.5	2471.8	2082.3	1738.9	1524.0	1458.1	1453.8	1445.2
22.5°	3482.1	3346.8	3027.5	2657.6	2221.8	1764.6	1436.7	1345.1	1344.2	1365.6	1370.8
25°	3534.4	3350.3	2946.2	2489.8	1951.3	1447.8	1270.6	1243.2	1264.6	1304.8	1310.0
27.5°	3601.1	3357.1	2847.7	2305.7	1663.6	1250.9	1179.0	1172.1	1197.8	1235.5	1233.8
30°	3699.6	3382.0	2743.2	2094.2	1368.2	1157.6	1123.3	1124.2	1134.5	1152.4	1155.0
32.5°	3799.8	3420.5	2641.3	1856.2	1198.7	1104.5	1089.1	1087.4	1087.4	1095.1	1096.8
35°	3894.8	3464.1	2530.9	1607.9	1116.5	1073.7	1063.4	1058.3	1055.7	1054.0	1051.4
37.5°	3947.9	3485.6	2423.0	1363.1	1072.8	1053.1	1042.8	1036.0	1026.6	1019.7	1018.0
40°	3924.8	3460.7	2298.0	1179.8	1046.3	1033.4	1021.4	1012.0	999.2	993.2	989.8
42.5°	3847.7	3383.7	2161.9	1093.4	1024.9	1012.0	997.5	982.1	973.5	968.4	967.5
45°	3766.4	3290.3	1997.5	1042.8	1004.3	988.9	971.8	954.7	945.2	942.7	941.8
47.5°	3763.8	3244.1	1822.8	1002.6	979.5	964.1	942.7	925.5	915.3	911.8	908.4
50°	3876.8	3291.2	1625.9	967.5	953.8	937.5	913.6	894.7	881.9	877.6	876.7
52.5°	4111.4	3468.4	1449.5	932.4	919.5	900.7	881.0	862.2	846.8	839.1	838.2
55°	4364.9	3693.6	1339.9	896.4	879.3	863.0	845.1	824.5	807.4	795.4	793.7
57.5°	4626.9	3939.3	1306.5	851.1	838.2	827.1	805.7	783.4	763.7	752.6	750.0
60°	4842.6	4150.8	1369.0	803.1	796.3	781.7	762.0	740.6	726.9	718.3	716.6
62.5°	4054.1	3379.4	1105.3	750.9	750.9	735.5	713.2	697.8	688.4	682.4	680.7
65°	2572.9	2092.5	754.3	698.7	697.8	677.2	658.4	648.1	643.9	634.4	632.7
67.5°	1120.8	956.4	644.7	645.6	642.1	619.9	601.0	593.3	584.8	574.5	573.6
70°	581.4	592.5	577.1	586.5	580.5	554.0	536.0	524.0	506.0	495.7	496.6
72.5°	469.2	481.2	498.3	512.9	500.0	478.6	450.4	435.8	412.7	401.6	402.4
75°	357.9	370.7	387.0	402.4	392.1	365.6	347.6	333.1	306.5	293.7	296.2
77.5°	246.6	253.4	273.1	272.3	268.8	261.1	234.6	217.5	190.1	174.7	176.4
80°	153.3	157.5	167.0	171.2	169.5	159.3	137.8	125.0	108.7	99.3	100.2
82.5°	92.5	95.0	103.6	104.5	103.6	95.9	79.6	70.2	59.9	54.8	54.8
85°	47.1	48.8	53.9	53.9	48.8	41.1	36.8	32.5	26.5	24.0	24.0
87.5°	12.8	12.8	16.3	13.7	11.1	10.3	5.1	4.3	1.7	0.9	0.9
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)