

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: P634558

Luminaire Tested: GWS-SA3C-722-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9321.6 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

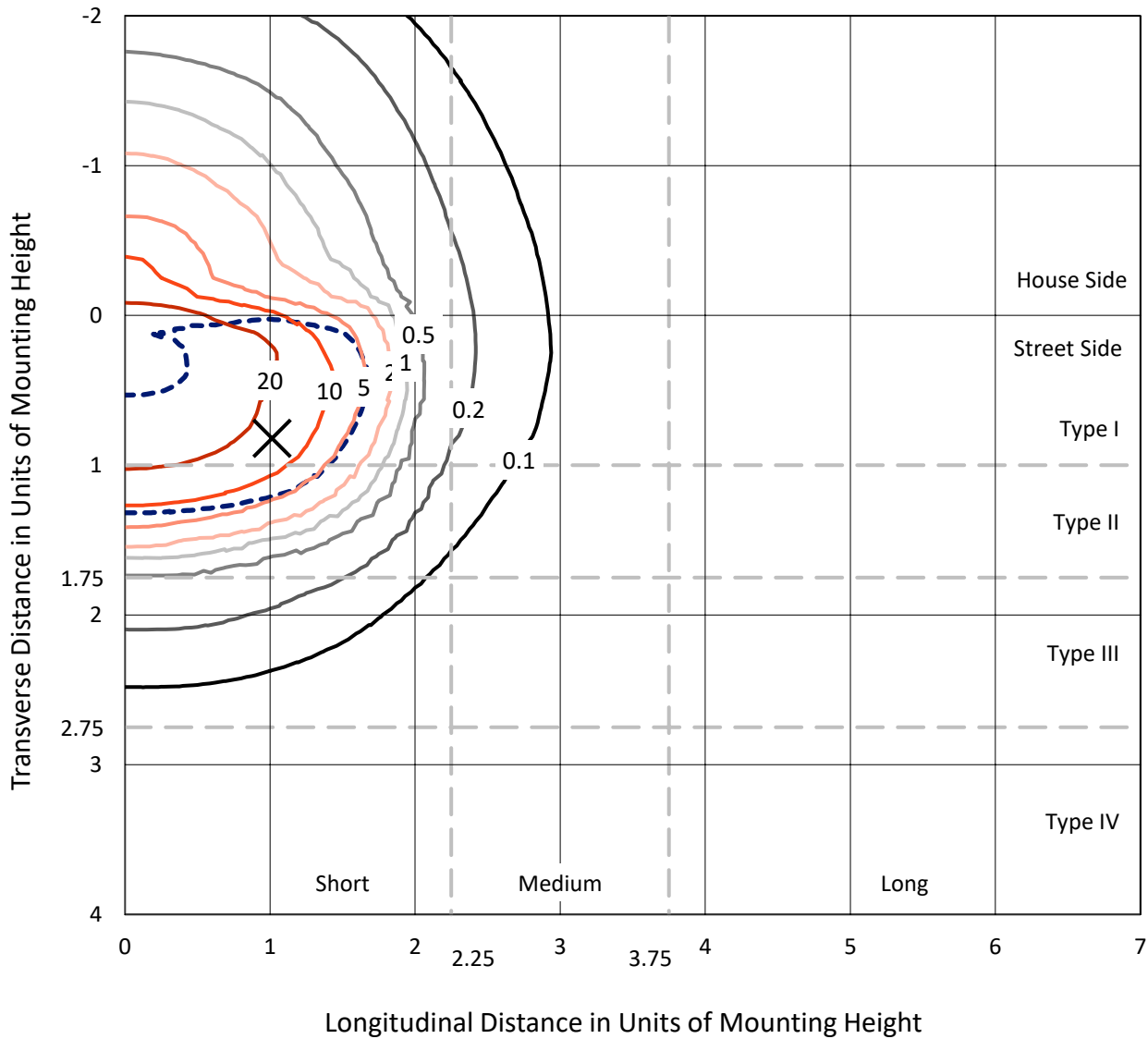
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

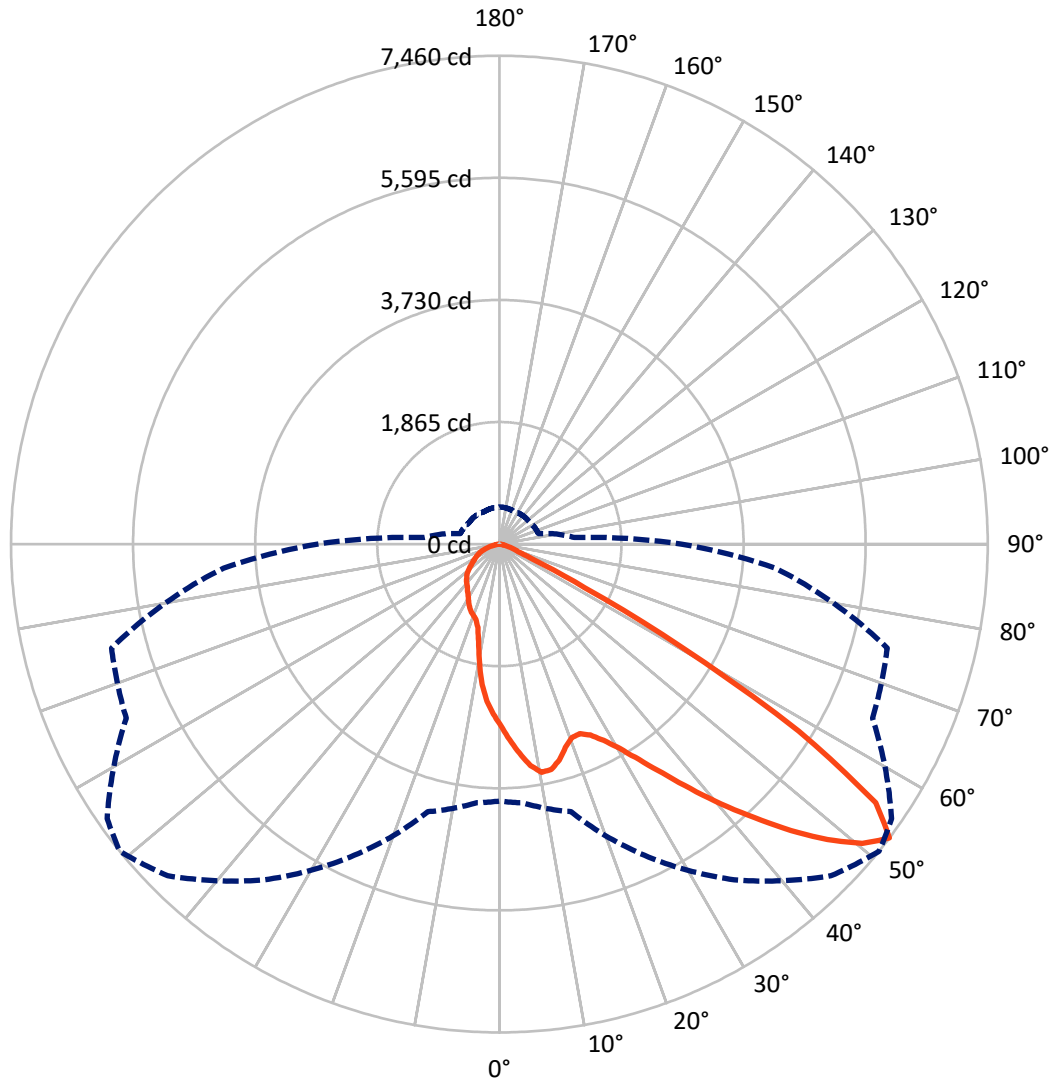
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1816.2	0.0	1816.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	7505.4	0.0	7505.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	9321.6	0.0	9321.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	2.8
10°-20°	673.0	7.2
20°-30°	1094.2	11.7
30°-40°	1734.0	18.6
40°-50°	2615.3	28.1
50°-60°	2262.4	24.3
60°-70°	512.9	5.5
70°-80°	151.2	1.6
80°-90°	19.5	0.2
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°	9321.6	100.0
0°-180°	9321.6	100.0

Coefficient of Utilization



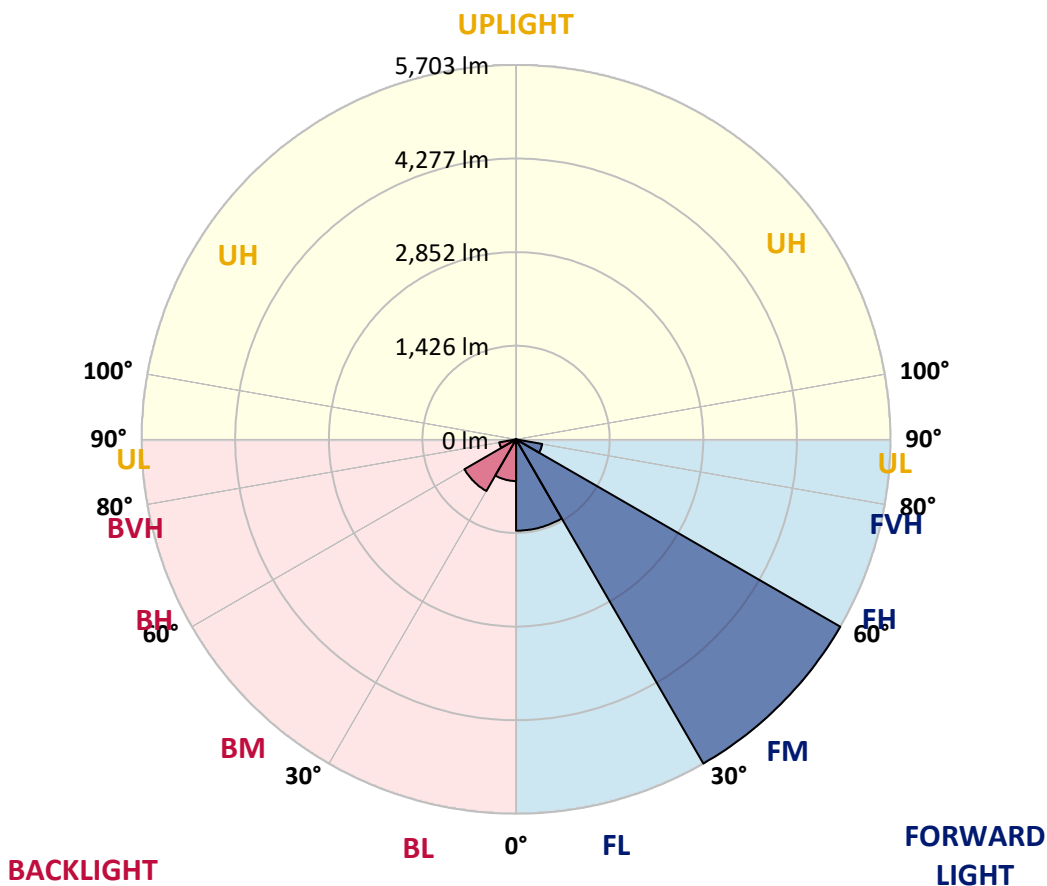
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1391.3	14.9			
FM (30°-60°)	5703.1	61.2			
FH (60°-80°)	403.7	4.3			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	634.9	6.8	B2/1000		
BM (30°-60°)	908.7	9.7	B1/1000		
BH (60°-80°)	260.5	2.8	B1/500		G1/500
BVH (80°-90°)	12.1	0.1			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°	51°	55°	65°	75°	85°
0°	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5
2.5°	3093.0	3110.7	3083.4	3073.1	3056.1	3026.7	2992.8	2983.2	2910.3	2862.4	2808.7
5°	3403.8	3413.4	3391.3	3369.2	3327.2	3274.9	3209.4	3195.4	3062.8	2953.0	2838.9
7.5°	3473.1	3469.4	3488.5	3501.1	3495.9	3475.3	3417.1	3389.8	3231.5	3057.6	2888.9
10°	3199.0	3178.4	3249.1	3333.1	3434.0	3550.4	3543.8	3541.6	3403.8	3198.3	2953.0
12.5°	2835.9	2825.6	2883.0	2988.4	3179.2	3437.0	3533.5	3608.6	3559.2	3332.4	3024.5
15°	2628.2	2624.5	2663.5	2739.4	2891.2	3216.7	3423.0	3571.8	3692.6	3476.0	3100.3
17.5°	2590.6	2592.8	2606.1	2649.5	2758.6	3026.7	3265.3	3473.1	3796.4	3633.6	3195.4
20°	2700.4	2715.1	2692.3	2698.9	2757.8	2958.2	3157.8	3373.6	3862.7	3792.0	3297.8
22.5°	2944.2	2939.0	2888.9	2859.5	2860.2	3000.2	3146.0	3327.2	3906.2	3946.0	3390.6
25°	3220.4	3214.5	3154.9	3089.3	3048.0	3114.3	3230.7	3376.6	3945.2	4086.7	3465.0
27.5°	3546.7	3528.3	3462.0	3378.0	3286.7	3315.4	3394.2	3509.9	4005.6	4225.1	3514.3
30°	3862.7	3884.1	3789.1	3689.6	3593.1	3575.5	3621.1	3725.7	4128.6	4387.2	3573.2
32.5°	4281.9	4274.5	4169.2	4039.5	3901.8	3888.5	3924.6	4020.4	4349.6	4611.1	3663.1
35°	4789.4	4790.8	4641.3	4466.0	4270.1	4234.7	4295.1	4387.9	4678.9	4914.6	3805.3
37.5°	5316.8	5314.6	5184.2	4985.3	4717.9	4667.8	4737.1	4806.3	5090.6	5327.8	4026.3
40°	5686.5	5701.3	5640.1	5535.5	5282.2	5159.9	5221.0	5268.9	5538.5	5814.0	4317.2
42.5°	5896.5	5918.6	5931.8	5994.4	5861.1	5730.7	5708.6	5733.7	5938.5	6265.5	4590.5
45°	5941.4	5970.9	6067.4	6299.4	6351.0	6314.1	6241.9	6181.5	6236.8	6585.9	4769.5
47.5°	5743.3	5794.8	6001.1	6406.9	6708.2	6823.9	6743.6	6651.5	6409.1	6668.4	4751.1
50°	4958.0	5018.4	5483.2	6187.4	6759.0	7180.4	7187.7	7051.5	6388.5	6430.5	4519.8
52.5°	3925.3	3966.6	4232.5	5245.3	6260.4	7165.6	7460.3	7314.4	6289.1	6132.9	4230.3
55°	2346.1	2412.4	2660.6	3460.5	4877.0	6351.0	6978.5	7049.3	6240.5	5883.2	4032.9
57.5°	791.8	824.3	1061.4	1528.4	2874.2	4650.2	5391.9	5679.2	5665.2	5501.7	3647.6
60°	377.1	384.5	432.4	579.7	1150.6	2430.0	3191.7	3523.2	3825.2	3855.4	2269.5
62.5°	287.3	291.7	316.0	347.7	462.6	1023.9	1462.9	1716.3	1833.4	1573.4	826.5
65°	240.1	243.8	262.2	282.1	314.5	443.4	561.3	647.5	583.4	454.5	394.1
67.5°	200.4	203.3	217.3	238.7	260.8	296.8	311.6	320.4	335.9	377.1	362.4
70°	156.9	159.8	174.6	193.0	214.4	223.2	237.2	246.0	277.0	330.0	328.5
72.5°	120.8	124.5	132.6	144.4	162.1	170.9	186.4	196.7	214.4	257.1	274.8
75°	88.4	90.6	98.0	101.7	103.9	101.7	117.1	128.9	152.5	168.7	173.1
77.5°	36.1	40.5	39.0	39.0	46.4	56.0	64.1	71.5	87.7	97.2	98.0
80°	14.7	16.2	19.2	21.4	25.8	33.1	38.3	41.2	48.6	54.5	58.9
82.5°	8.8	9.6	11.0	11.8	14.7	19.2	22.1	24.3	30.2	36.1	38.3
85°	4.4	4.4	5.2	5.9	7.4	8.8	10.3	11.8	15.5	19.2	21.4
87.5°	0.7	0.7	0.7	1.5	2.2	2.9	3.7	4.4	5.2	5.9	7.4
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°	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5	2775.5
2.5°	2777.0	2737.2	2690.8	2654.0	2611.2	2579.6	2534.6	2506.6	2480.1	2458.0	2441.8
5°	2779.9	2712.9	2616.4	2531.0	2442.6	2358.6	2272.4	2202.4	2139.8	2087.5	2083.1
7.5°	2796.9	2700.4	2549.4	2399.8	2227.5	2061.0	1894.5	1759.0	1655.9	1602.1	1591.1
10°	2825.6	2698.9	2480.9	2242.2	1948.3	1680.2	1482.8	1379.7	1320.0	1298.6	1291.3
12.5°	2855.8	2695.2	2393.2	2019.8	1611.7	1376.7	1268.4	1255.9	1267.0	1268.4	1267.7
15°	2892.6	2693.0	2282.7	1759.0	1365.7	1236.0	1243.4	1269.9	1295.7	1301.6	1301.6
17.5°	2937.6	2687.9	2132.5	1504.1	1211.7	1208.8	1247.8	1283.2	1307.5	1311.9	1311.9
20°	2984.7	2674.6	1947.6	1296.4	1149.1	1191.8	1233.8	1261.1	1278.0	1283.9	1284.6
22.5°	3017.1	2639.2	1734.7	1142.5	1110.1	1159.4	1189.6	1217.6	1217.6	1202.9	1198.4
25°	3023.7	2563.4	1504.1	1037.1	1063.6	1109.3	1140.3	1124.1	1093.8	1082.1	1081.3
27.5°	2999.4	2452.9	1276.5	962.0	1007.7	1053.3	1048.2	1024.6	1011.4	999.6	1004.0
30°	2970.0	2320.3	1079.1	900.1	942.8	987.8	970.1	962.0	952.4	939.2	942.1
32.5°	2950.1	2172.2	927.4	852.2	899.4	906.8	919.3	918.5	909.7	884.7	883.2
35°	2956.0	2022.7	825.7	813.2	863.3	860.3	883.9	879.5	818.4	783.7	781.5
37.5°	3003.1	1879.1	766.1	782.3	805.8	824.3	844.9	791.8	770.5	748.4	749.9
40°	3093.0	1745.7	733.7	765.3	771.2	798.5	750.6	749.9	740.3	720.4	719.7
42.5°	3194.6	1633.0	711.6	757.2	749.1	754.3	703.5	709.3	708.6	696.1	692.4
45°	3256.5	1529.2	693.9	727.0	729.2	677.7	662.2	668.8	672.5	665.9	665.1
47.5°	3192.4	1409.9	675.5	680.6	699.8	643.1	623.9	624.6	631.3	632.0	629.1
50°	3012.7	1276.5	653.4	640.8	628.3	607.0	589.3	585.6	592.2	598.9	601.1
52.5°	2780.7	1149.1	616.5	597.4	567.9	567.9	559.8	548.0	556.9	565.7	568.7
55°	2610.5	1054.8	564.2	542.9	510.5	521.5	520.0	509.7	521.5	528.1	530.4
57.5°	2262.1	847.8	496.5	489.8	462.6	475.8	478.8	465.5	459.6	461.1	463.3
60°	1342.8	547.3	447.9	447.1	422.8	438.3	447.1	433.9	416.2	418.4	421.3
62.5°	602.5	418.4	386.7	383.8	383.0	402.9	412.5	400.0	374.9	377.1	380.1
65°	379.3	361.7	335.9	335.9	347.7	364.6	372.0	361.7	332.9	329.3	332.2
67.5°	352.1	336.6	310.1	305.0	310.8	324.8	325.6	305.7	288.7	285.8	285.8
70°	316.0	304.2	278.4	268.1	265.9	265.2	263.0	257.8	246.8	243.8	245.3
72.5°	261.5	253.4	237.2	226.1	220.2	219.5	210.7	206.2	196.7	195.2	194.5
75°	173.1	175.3	175.3	173.8	168.7	166.5	156.9	152.5	141.4	137.0	136.3
77.5°	102.4	104.6	107.5	108.3	107.5	107.5	98.7	93.5	82.5	76.6	75.1
80°	62.6	64.1	65.6	67.8	64.8	62.6	54.5	49.4	44.2	40.5	39.8
82.5°	40.5	42.0	42.7	44.2	42.7	39.8	33.1	30.2	26.5	23.6	22.8
85°	22.8	23.6	25.0	25.0	22.8	20.6	16.9	14.7	12.5	11.0	11.0
87.5°	8.1	8.1	8.1	8.8	7.4	6.6	4.4	2.9	2.2	2.2	2.2
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)