

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: P634315

Luminaire Tested: GWS-SA3B-740-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10606.1 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

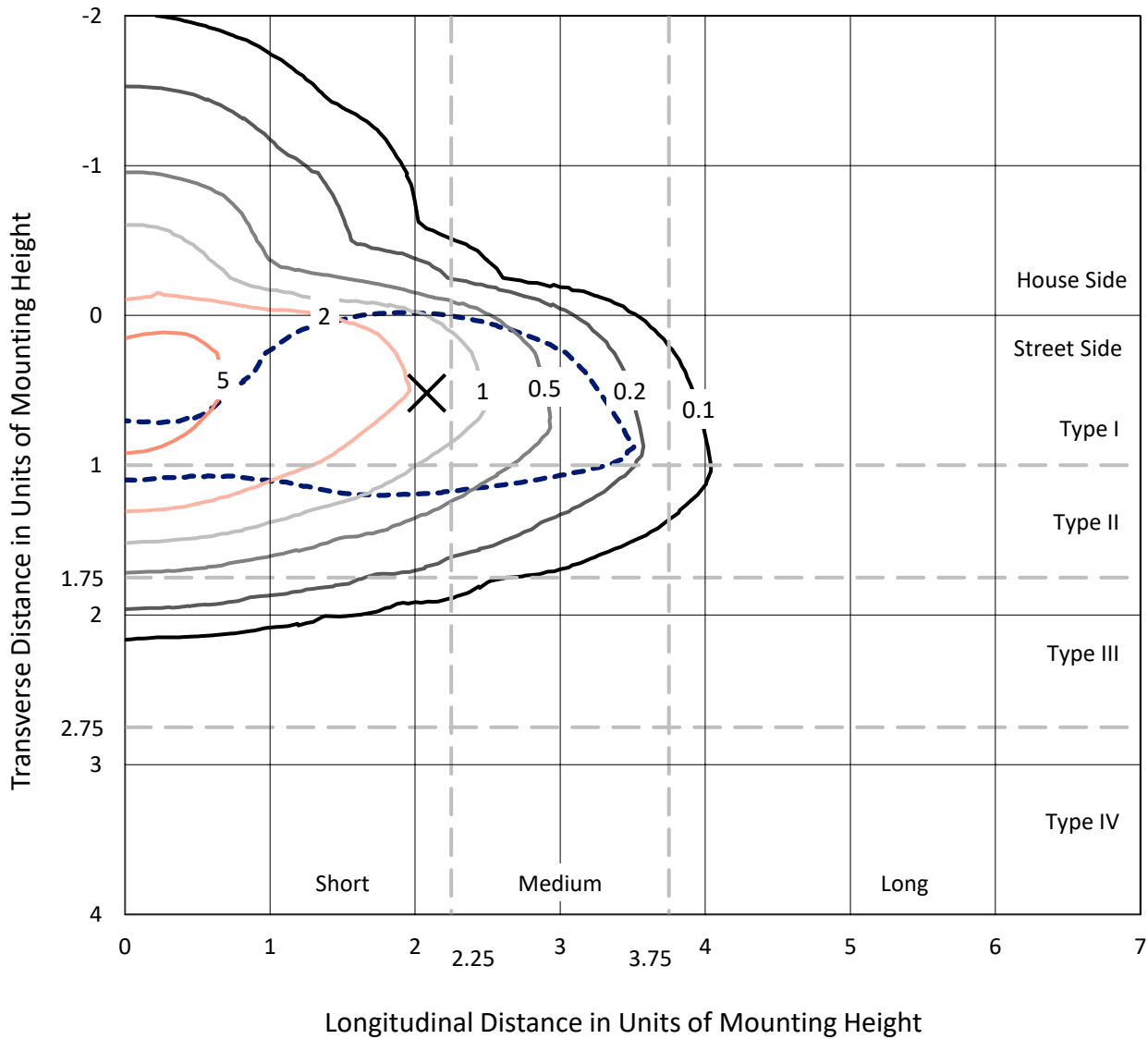
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

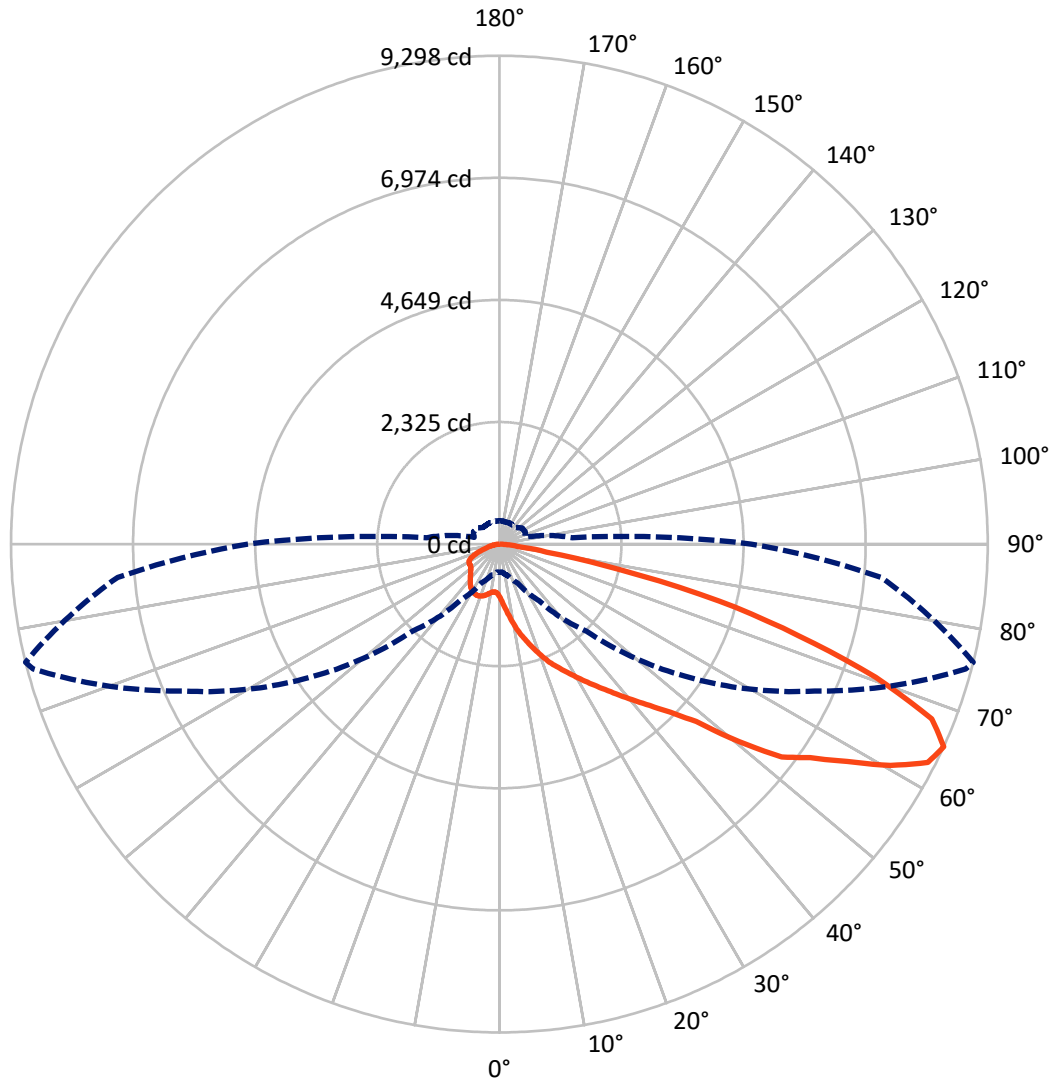
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1772.8	0.0	1772.8
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	8833.3	0.0	8833.3
	% Fixture	83.3	0.0	83.3
Total	Lumens	10606.1	0.0	10606.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	1.1
10°-20°	454.5	4.3
20°-30°	885.7	8.4
30°-40°	1481.3	14.0
40°-50°	2121.0	20.0
50°-60°	2511.0	23.7
60°-70°	2087.9	19.7
70°-80°	854.4	8.1
80°-90°	91.0	0.9
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°	10606.1	100.0
0°-180°	10606.1	100.0

Coefficient of Utilization



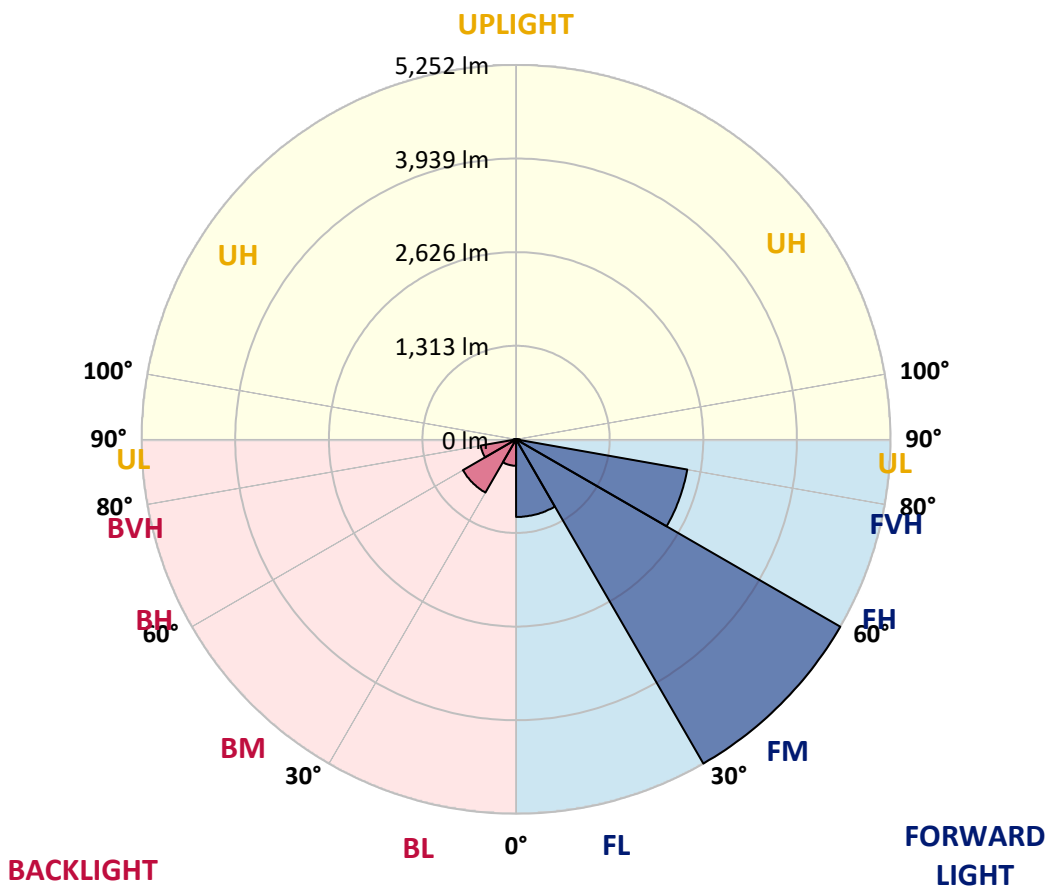
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1088.7	10.3			
FM (30°-60°)	5251.7	49.5			
FH (60°-80°)	2438.6	23.0			G2/5000
FVH (80°-90°)	54.3	0.5			G1/100
BL (0°-30°)	370.9	3.5	B1/500		
BM (30°-60°)	861.6	8.1	B1/1000		
BH (60°-80°)	503.7	4.7	B2/1000		G2/1000
BVH (80°-90°)	36.7	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°	55°	65°	75°	76°	85°
0°	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4
2.5°	1407.7	1413.0	1395.8	1389.8	1349.6	1295.2	1249.7	1181.1	1117.7	1108.0	1051.3
5°	1788.0	1765.6	1746.3	1733.6	1677.7	1615.8	1519.6	1390.6	1255.6	1239.2	1116.9
7.5°	2013.9	2010.2	1986.3	1978.9	1935.6	1873.8	1774.6	1614.3	1418.2	1391.3	1205.7
10°	2195.1	2192.9	2181.0	2187.7	2148.1	2087.8	1991.6	1826.0	1596.4	1569.5	1304.8
12.5°	2353.2	2356.9	2354.7	2379.3	2359.2	2312.2	2212.3	2030.3	1774.6	1745.5	1425.6
15°	2468.8	2471.8	2482.9	2536.6	2547.8	2538.1	2436.7	2230.9	1950.6	1908.8	1550.2
17.5°	2501.6	2507.5	2534.4	2620.9	2681.3	2721.5	2646.2	2435.2	2123.5	2078.1	1676.9
20°	2545.6	2552.3	2579.1	2669.3	2758.1	2849.8	2836.4	2642.5	2298.0	2260.7	1805.2
22.5°	2749.1	2743.9	2732.0	2775.2	2838.6	2952.7	2986.2	2841.6	2478.5	2442.7	1946.8
25°	3141.3	3131.6	3055.6	3016.1	2995.2	3064.5	3124.2	3022.8	2654.4	2600.7	2078.8
27.5°	3573.8	3568.6	3471.6	3377.7	3249.4	3219.6	3254.7	3180.8	2825.2	2770.7	2193.6
30°	3983.1	3967.5	3866.1	3748.3	3576.8	3448.5	3397.1	3335.9	3012.3	2955.7	2327.8
32.5°	4349.2	4329.1	4209.8	4079.3	3899.6	3748.3	3594.7	3500.7	3224.1	3158.5	2465.0
35°	4649.7	4629.6	4507.3	4368.6	4171.0	4059.2	3848.9	3679.7	3439.6	3373.2	2626.8
37.5°	4882.4	4863.7	4736.2	4599.8	4427.5	4338.8	4156.1	3881.0	3687.9	3618.5	2798.3
40°	5012.8	4999.4	4897.3	4789.2	4644.5	4567.7	4485.7	4135.2	3966.0	3896.6	3000.4
42.5°	5052.4	5043.4	4971.8	4915.9	4818.2	4760.1	4807.1	4434.2	4262.7	4202.3	3227.8
45°	4953.2	4953.2	4932.3	4960.7	4965.1	4964.4	5129.2	4772.0	4627.4	4561.0	3548.4
47.5°	4699.7	4716.1	4746.7	4886.1	5033.0	5156.0	5505.7	5222.4	5096.4	5041.9	4002.5
50°	4235.9	4280.6	4385.0	4657.2	4969.6	5282.8	5862.1	5888.2	6008.3	5912.1	4670.6
52.5°	3556.6	3549.9	3816.1	4203.8	4680.3	5288.0	6058.2	6475.8	6798.6	6732.3	5167.2
55°	2826.7	2815.5	3063.8	3598.4	4236.6	5088.2	6176.0	6744.9	7237.0	7177.4	5613.8
57.5°	2164.6	2150.4	2371.1	2853.5	3610.3	4663.9	6153.7	7065.6	7840.3	7809.7	6220.8
60°	1489.8	1472.6	1679.2	2101.2	2869.2	4015.2	5906.1	7230.3	8546.4	8556.8	6870.2
62.5°	894.8	885.1	1034.9	1362.3	2063.9	3211.4	5326.8	7130.4	9108.6	9155.5	7287.8
65°	539.8	533.1	621.1	812.7	1309.3	2343.5	4433.5	6619.7	9189.8	9298.0	7297.4
67.5°	392.9	393.7	419.0	495.1	763.5	1513.6	3327.0	5704.0	8766.3	8878.2	6837.4
70°	341.5	343.0	356.4	373.6	461.5	866.4	2163.1	4502.8	7514.4	7600.9	5734.6
72.5°	303.5	303.5	312.4	321.4	360.9	527.9	1158.7	3147.3	5930.7	5953.8	4376.8
75°	266.9	264.7	269.2	273.6	313.2	369.1	563.7	2192.9	4380.6	4326.9	2828.9
77.5°	212.5	210.3	211.0	215.5	251.3	264.0	285.6	1369.7	2468.8	2330.1	1249.7
80°	151.4	149.9	158.1	169.3	185.7	161.8	179.0	662.9	979.0	911.2	484.7
82.5°	90.2	93.2	105.9	114.8	128.2	101.4	115.6	221.5	346.7	337.8	196.8
85°	12.7	13.4	38.0	44.0	55.2	39.5	61.1	99.9	138.7	148.4	69.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	17.9	39.5	40.3	17.1
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°	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4
2.5°	1022.3	987.2	937.3	895.5	860.5	832.1	808.3	790.4	785.1	777.7	777.7
5°	1059.5	996.2	906.7	843.3	806.8	785.1	770.2	762.8	759.0	754.6	752.3
7.5°	1111.0	1022.3	901.5	837.3	809.0	795.6	785.9	781.4	778.4	774.0	774.0
10°	1181.8	1061.0	917.9	858.2	835.8	822.4	811.2	803.8	797.1	790.4	788.9
12.5°	1258.6	1111.7	947.7	886.5	862.7	846.3	830.6	819.4	811.2	803.0	800.8
15°	1343.6	1163.9	979.8	914.1	884.3	861.9	843.3	826.2	815.0	803.0	801.5
17.5°	1427.1	1216.9	1006.6	932.8	894.8	867.2	840.3	818.0	803.8	790.4	786.6
20°	1527.0	1269.8	1025.2	938.0	892.5	856.0	823.9	795.6	779.9	764.3	762.0
22.5°	1618.8	1319.0	1034.2	930.5	875.4	832.1	794.8	764.3	747.1	731.5	728.5
25°	1707.5	1362.3	1030.5	912.6	849.3	799.3	760.5	730.0	713.6	697.2	692.7
27.5°	1793.2	1391.3	1015.5	885.1	816.5	762.8	725.5	697.9	683.7	669.6	663.6
30°	1877.5	1418.2	992.4	849.3	774.7	724.7	694.2	674.8	660.6	645.7	641.2
32.5°	1962.5	1437.6	957.4	807.5	732.2	691.2	672.6	658.4	643.5	628.6	624.1
35°	2048.2	1445.8	914.9	759.8	696.4	669.6	662.9	646.5	626.3	608.4	602.5
37.5°	2150.4	1453.2	861.9	712.8	665.1	659.1	657.6	633.0	609.2	584.6	577.9
40°	2273.4	1462.9	807.5	670.3	639.7	655.4	649.4	615.9	568.2	544.3	536.9
42.5°	2424.0	1480.8	750.8	631.5	621.1	641.2	634.5	574.1	542.1	528.6	524.9
45°	2645.5	1546.4	694.2	601.0	606.9	621.1	610.7	549.5	536.9	527.9	523.4
47.5°	3039.9	1647.1	645.0	577.9	595.8	603.2	562.9	542.8	533.1	521.2	516.0
50°	3450.0	1691.1	605.4	563.7	583.1	586.8	536.9	533.9	527.2	514.5	509.3
52.5°	3727.4	1685.1	581.6	558.5	572.6	558.5	524.9	524.2	519.7	504.8	498.8
55°	4040.5	1695.6	571.1	560.0	568.2	510.8	510.0	512.2	510.0	493.6	490.6
57.5°	4463.3	1727.6	565.9	565.2	565.2	487.6	495.8	498.8	494.4	486.9	484.7
60°	4869.7	1729.9	556.2	571.1	562.9	473.5	479.4	482.4	477.2	475.7	475.0
62.5°	5022.5	1622.5	534.6	566.7	554.0	457.8	462.3	463.8	458.6	462.3	461.5
65°	4795.1	1394.3	498.8	545.1	526.4	443.6	440.7	444.4	435.4	445.1	445.9
67.5°	4257.5	1108.0	444.4	504.0	487.6	428.0	422.0	422.0	407.1	422.0	421.3
70°	3432.9	782.9	364.6	438.4	445.1	409.3	406.4	389.2	365.4	387.7	385.5
72.5°	2602.2	562.2	287.1	346.7	383.3	383.3	384.0	354.9	327.3	337.8	328.8
75°	1648.6	395.9	229.7	265.4	300.5	336.3	353.4	299.7	275.1	270.7	266.2
77.5°	742.6	260.2	179.0	203.6	213.2	265.4	322.9	258.0	224.4	214.7	211.8
80°	310.9	161.8	127.5	143.9	131.2	222.9	284.8	200.6	164.8	151.4	141.7
82.5°	136.4	96.2	81.3	77.5	82.0	165.5	212.5	133.5	102.9	139.4	140.9
85°	57.4	50.7	41.8	38.0	33.6	63.4	99.9	52.2	64.1	36.5	29.8
87.5°	13.4	14.9	11.2	7.5	4.5	0.7	0.0	0.0	0.0	0.0	0.0
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)