

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: P634425

Luminaire Tested: GWS-SA3B-760-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634425
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-760-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10700.5 lumens
Efficiency: N/A
Efficacy: 156.7 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

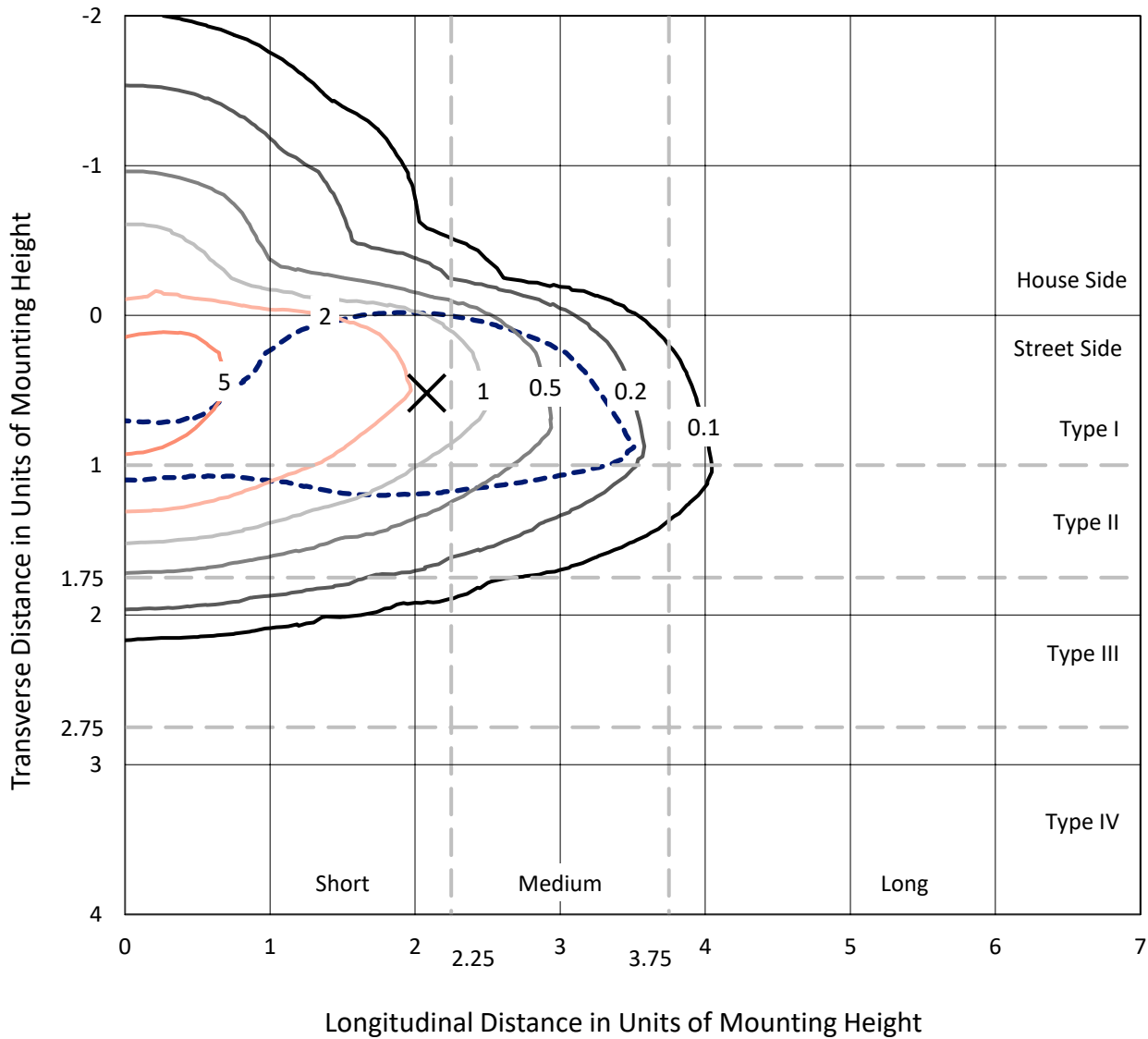


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Iso-Footcandle Lines of Horizontal Illumination

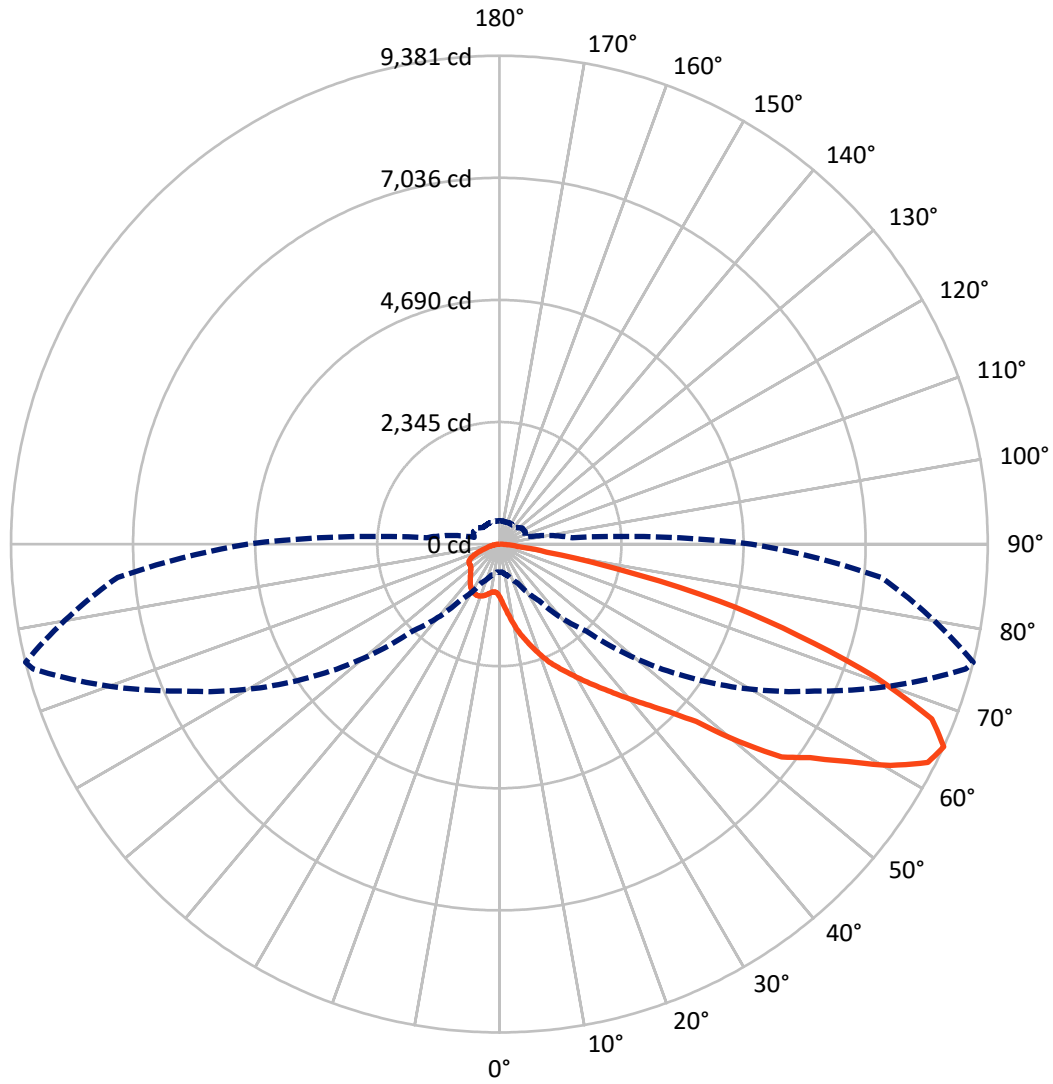
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 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	1788.6	0.0	1788.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	8911.9	0.0	8911.9
	% Fixture	83.3	0.0	83.3
Total	Lumens	10700.5	0.0	10700.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	1.1
10°-20°	458.5	4.3
20°-30°	893.6	8.4
30°-40°	1494.5	14.0
40°-50°	2139.9	20.0
50°-60°	2533.3	23.7
60°-70°	2106.5	19.7
70°-80°	862.0	8.1
80°-90°	91.8	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°	10700.5	100.0
0°-180°	10700.5	100.0

Coefficient of Utilization



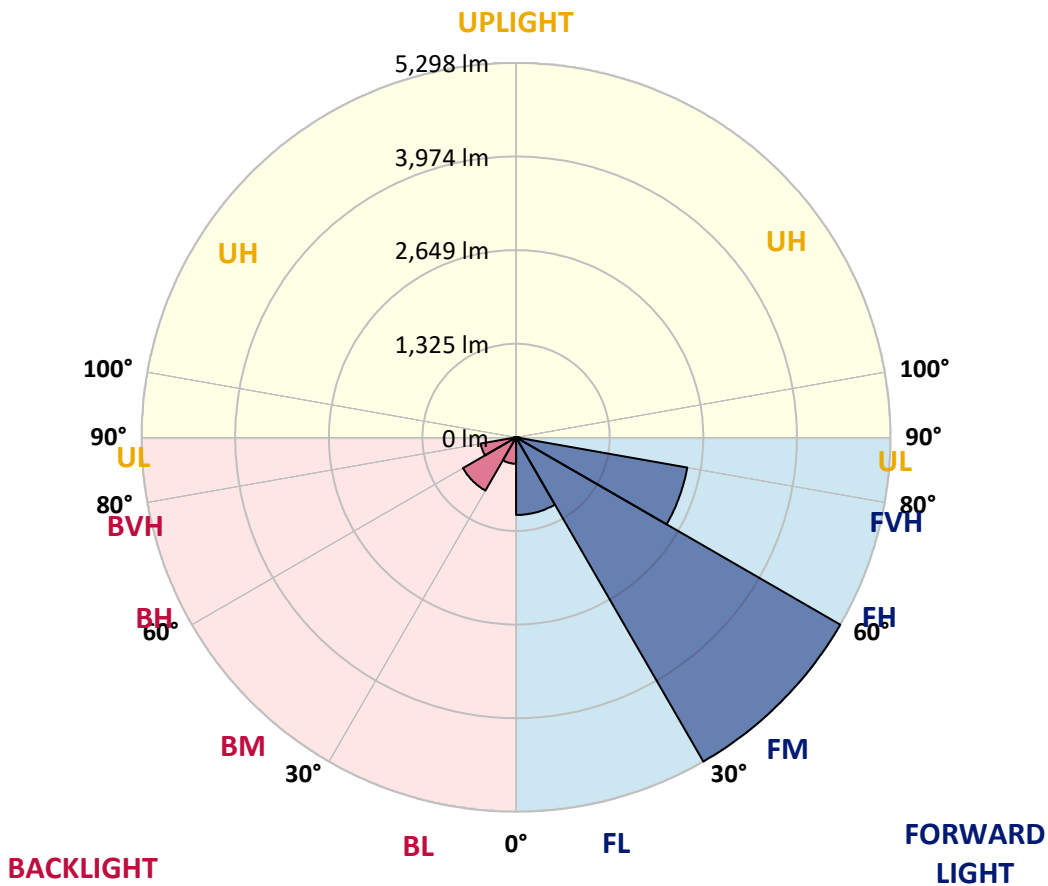
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1098.4	10.3			
FM (30°-60°)	5298.5	49.5			
FH (60°-80°)	2460.3	23.0			G2/5000
FVH (80°-90°)	54.7	0.5			G1/100
BL (0°-30°)	374.2	3.5	B1/500		
BM (30°-60°)	869.2	8.1	B1/1000		
BH (60°-80°)	508.2	4.7	B2/1000		G2/1000
BVH (80°-90°)	37.0	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°	55°	65°	75°	76°	85°
0°	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3
2.5°	1420.3	1425.5	1408.2	1402.2	1361.6	1306.7	1260.8	1191.6	1127.6	1117.9	1060.7
5°	1803.9	1781.4	1761.8	1749.0	1692.6	1630.2	1533.1	1403.0	1266.8	1250.3	1126.9
7.5°	2031.9	2028.1	2004.0	1996.5	1952.9	1890.4	1790.4	1628.6	1430.8	1403.7	1216.4
10°	2214.7	2212.4	2200.4	2207.1	2167.3	2106.3	2009.3	1842.3	1610.6	1583.5	1316.5
12.5°	2374.1	2377.9	2375.6	2400.5	2380.2	2332.8	2232.0	2048.4	1790.4	1761.0	1438.3
15°	2490.7	2493.8	2505.0	2559.2	2570.5	2560.7	2458.4	2250.8	1967.9	1925.8	1564.0
17.5°	2523.8	2529.9	2556.9	2644.2	2705.1	2745.8	2669.8	2456.9	2142.4	2096.6	1691.8
20°	2568.2	2575.0	2602.1	2693.1	2782.6	2875.1	2861.6	2666.0	2318.5	2280.9	1821.2
22.5°	2773.6	2768.3	2756.3	2799.9	2863.9	2979.0	3012.8	2866.9	2500.5	2464.4	1964.2
25°	3169.3	3159.5	3082.8	3042.9	3021.8	3091.8	3152.0	3049.7	2678.1	2623.9	2097.3
27.5°	3605.6	3600.3	3502.5	3407.7	3278.4	3248.3	3283.6	3209.2	2850.3	2795.4	2213.2
30°	4018.6	4002.8	3900.5	3781.6	3608.6	3479.2	3427.3	3365.6	3039.1	2982.0	2348.6
32.5°	4387.9	4367.6	4247.3	4115.6	3934.3	3781.6	3626.7	3531.9	3252.8	3186.6	2487.0
35°	4691.1	4670.8	4547.4	4407.5	4208.2	4095.3	3883.2	3712.4	3470.2	3403.2	2650.2
37.5°	4925.8	4907.0	4778.4	4640.7	4466.9	4377.4	4193.1	3915.5	3720.7	3650.7	2823.2
40°	5057.5	5043.9	4940.9	4831.8	4685.8	4608.4	4525.6	4172.0	4001.3	3931.3	3027.1
42.5°	5097.3	5088.3	5016.1	4959.7	4861.1	4802.4	4849.8	4473.7	4300.7	4239.8	3256.5
45°	4997.3	4997.3	4976.2	5004.8	5009.3	5008.6	5174.8	4814.5	4668.5	4601.6	3580.0
47.5°	4741.5	4758.1	4788.9	4929.6	5077.8	5201.9	5554.7	5268.8	5141.7	5086.8	4038.1
50°	4273.6	4318.7	4424.1	4698.6	5013.8	5329.8	5914.3	5940.6	6061.7	5964.7	4712.2
52.5°	3588.3	3581.5	3850.1	4241.3	4722.0	5335.0	6112.1	6533.4	6859.1	6792.2	5213.2
55°	2851.8	2840.5	3091.0	3630.4	4274.4	5133.4	6231.0	6805.0	7301.5	7241.3	5663.8
57.5°	2183.8	2169.5	2392.2	2878.9	3642.5	4705.4	6208.4	7128.4	7910.0	7879.2	6276.1
60°	1503.0	1485.7	1694.1	2119.9	2894.7	4050.9	5958.7	7294.7	8622.4	8633.0	6931.3
62.5°	902.7	892.9	1044.1	1374.4	2082.3	3240.0	5374.2	7193.9	9189.6	9237.0	7352.6
65°	544.6	537.9	626.6	820.0	1321.0	2364.4	4473.0	6678.6	9271.6	9380.7	7362.4
67.5°	396.4	397.2	422.8	499.5	770.3	1527.1	3356.6	5754.8	8844.4	8957.2	6898.2
70°	344.5	346.0	359.6	376.9	465.7	874.1	2182.3	4542.9	7581.3	7668.6	5785.7
72.5°	306.2	306.2	315.2	324.2	364.1	532.6	1169.0	3175.3	5983.5	6006.8	4415.8
75°	269.3	267.1	271.6	276.1	316.0	372.4	568.7	2212.4	4419.5	4365.4	2854.1
77.5°	214.4	212.1	212.9	217.4	253.5	266.3	288.1	1381.9	2490.7	2350.8	1260.8
80°	152.7	151.2	159.5	170.8	187.3	163.2	180.5	668.8	987.7	919.3	489.0
82.5°	91.0	94.0	106.8	115.8	129.4	102.3	116.6	223.4	349.8	340.8	198.6
85°	12.8	13.5	38.4	44.4	55.7	39.9	61.7	100.8	139.9	149.7	70.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.3	18.1	39.9	40.6	17.3
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°	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3
2.5°	1031.4	996.0	945.6	903.5	868.1	839.5	815.5	797.4	792.1	784.6	784.6
5°	1069.0	1005.0	914.8	850.8	813.9	792.1	777.1	769.6	765.8	761.3	759.0
7.5°	1120.9	1031.4	909.5	844.8	816.2	802.7	792.9	788.4	785.4	780.8	780.8
10°	1192.3	1070.5	926.0	865.9	843.3	829.7	818.5	810.9	804.2	797.4	795.9
12.5°	1269.8	1121.6	956.1	894.4	870.4	853.8	838.0	826.7	818.5	810.2	807.9
15°	1355.6	1174.3	988.5	922.3	892.2	869.6	850.8	833.5	822.2	810.2	808.7
17.5°	1439.8	1227.7	1015.6	941.1	902.7	874.9	847.8	825.2	810.9	797.4	793.6
20°	1540.6	1281.1	1034.4	946.3	900.5	863.6	831.3	802.7	786.9	771.1	768.8
22.5°	1633.2	1330.8	1043.4	938.8	883.2	839.5	801.9	771.1	753.8	738.0	735.0
25°	1722.7	1374.4	1039.6	920.8	856.8	806.4	767.3	736.5	719.9	703.4	698.9
27.5°	1809.2	1403.7	1024.6	892.9	823.7	769.6	732.0	704.1	689.8	675.5	669.5
30°	1894.2	1430.8	1001.3	856.8	781.6	731.2	700.4	680.8	666.5	651.5	646.9
32.5°	1980.0	1450.4	965.9	814.7	738.7	697.3	678.5	664.2	649.2	634.2	629.6
35°	2066.5	1458.6	923.0	766.6	702.6	675.5	668.8	652.2	631.9	613.8	607.8
37.5°	2169.5	1466.2	869.6	719.2	671.0	665.0	663.5	638.7	614.6	589.8	583.0
40°	2293.6	1475.9	814.7	676.3	645.4	661.2	655.2	621.4	573.2	549.2	541.6
42.5°	2445.6	1494.0	757.5	637.2	626.6	646.9	640.2	579.2	546.9	533.4	529.6
45°	2669.0	1560.2	700.4	606.3	612.3	626.6	616.1	554.4	541.6	532.6	528.1
47.5°	3067.0	1661.7	650.7	583.0	601.1	608.6	568.0	547.6	537.9	525.8	520.6
50°	3480.7	1706.1	610.8	568.7	588.3	592.0	541.6	538.6	531.8	519.1	513.8
52.5°	3760.6	1700.1	586.8	563.4	577.7	563.4	529.6	528.8	524.3	509.3	503.3
55°	4076.5	1710.6	576.2	564.9	573.2	515.3	514.5	516.8	514.5	498.0	495.0
57.5°	4503.0	1743.0	571.0	570.2	570.2	492.0	500.3	503.3	498.8	491.2	489.0
60°	4913.0	1745.2	561.2	576.2	568.0	477.7	483.7	486.7	481.4	479.9	479.2
62.5°	5067.2	1636.9	539.4	571.7	558.9	461.9	466.4	467.9	462.6	466.4	465.7
65°	4837.8	1406.7	503.3	549.9	531.1	447.6	444.6	448.3	439.3	449.1	449.9
67.5°	4295.4	1117.9	448.3	508.5	492.0	431.8	425.8	425.8	410.7	425.8	425.0
70°	3463.4	789.9	367.9	442.3	449.1	413.0	410.0	392.7	368.6	391.2	388.9
72.5°	2625.4	567.2	289.6	349.8	386.7	386.7	387.4	358.1	330.2	340.8	331.7
75°	1663.3	399.5	231.7	267.8	303.2	339.3	356.6	302.4	277.6	273.1	268.6
77.5°	749.3	262.5	180.5	205.4	215.1	267.8	325.7	260.3	226.4	216.7	213.6
80°	313.7	163.2	128.6	145.2	132.4	224.9	287.4	202.4	166.3	152.7	142.9
82.5°	137.7	97.0	82.0	78.2	82.7	167.0	214.4	134.7	103.8	140.7	142.2
85°	57.9	51.2	42.1	38.4	33.9	63.9	100.8	52.7	64.7	36.9	30.1
87.5°	13.5	15.0	11.3	7.5	4.5	0.8	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)