

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: P632115

Luminaire Tested: GWS-SA2C-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632115
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-SA2C-722-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6951.6 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

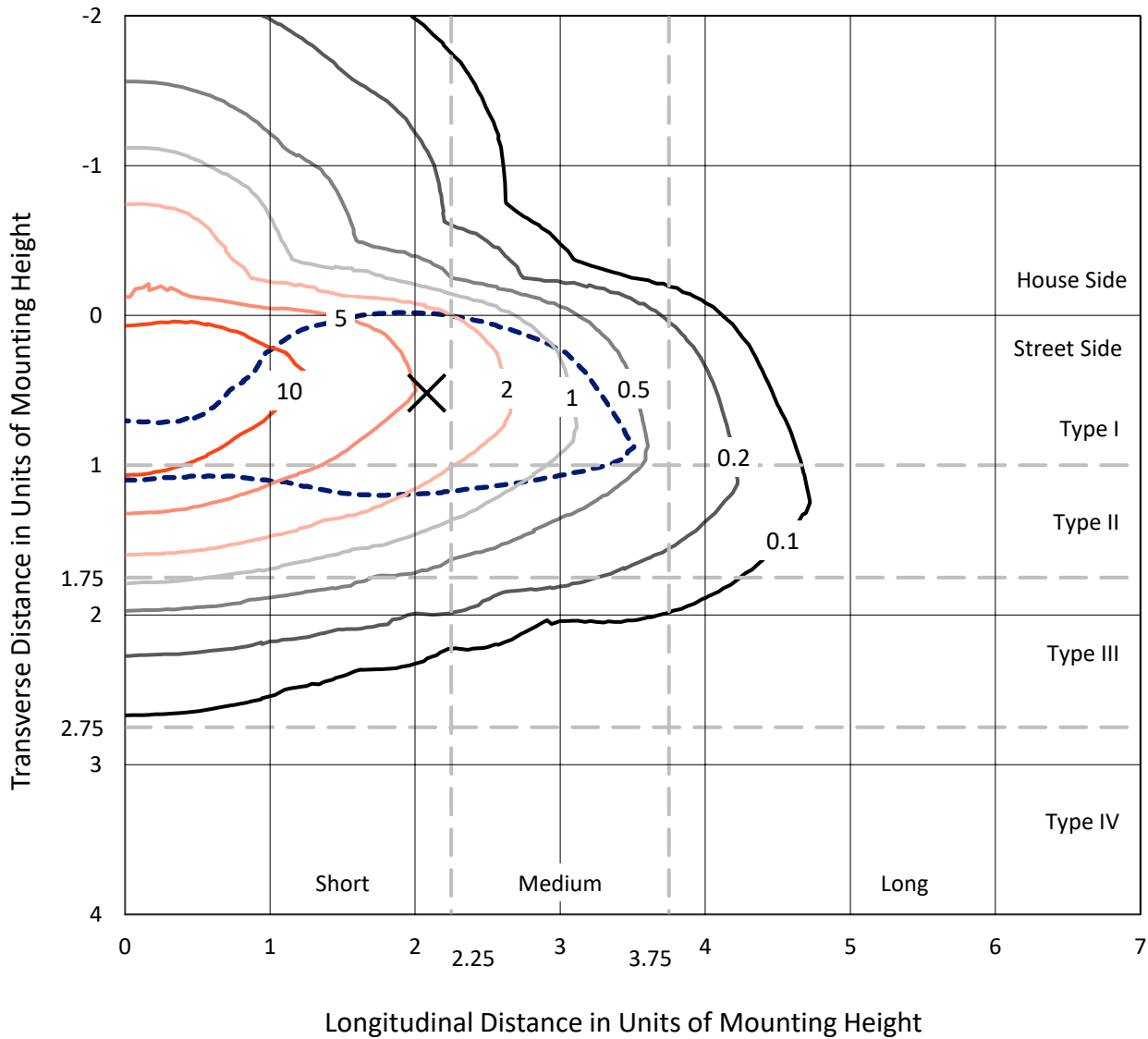
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

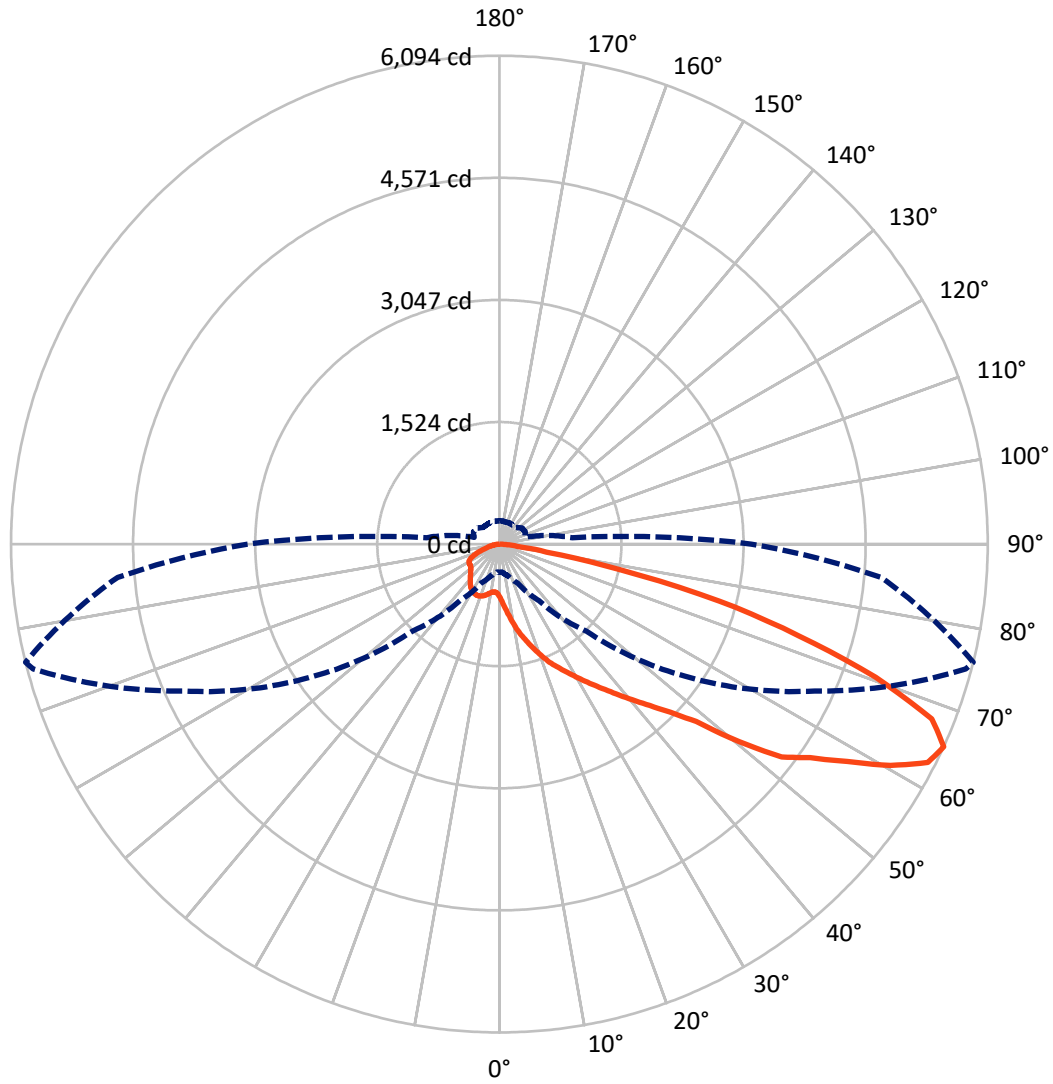
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 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	1162.0	0.0	1162.0
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	5789.6	0.0	5789.6
	% Fixture	83.3	0.0	83.3
Total	Lumens	6951.6	0.0	6951.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	1.1
10°-20°	297.9	4.3
20°-30°	580.5	8.4
30°-40°	970.9	14.0
40°-50°	1390.2	20.0
50°-60°	1645.8	23.7
60°-70°	1368.5	19.7
70°-80°	560.0	8.1
80°-90°	59.6	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°	6951.6	100.0
0°-180°	6951.6	100.0

Coefficient of Utilization



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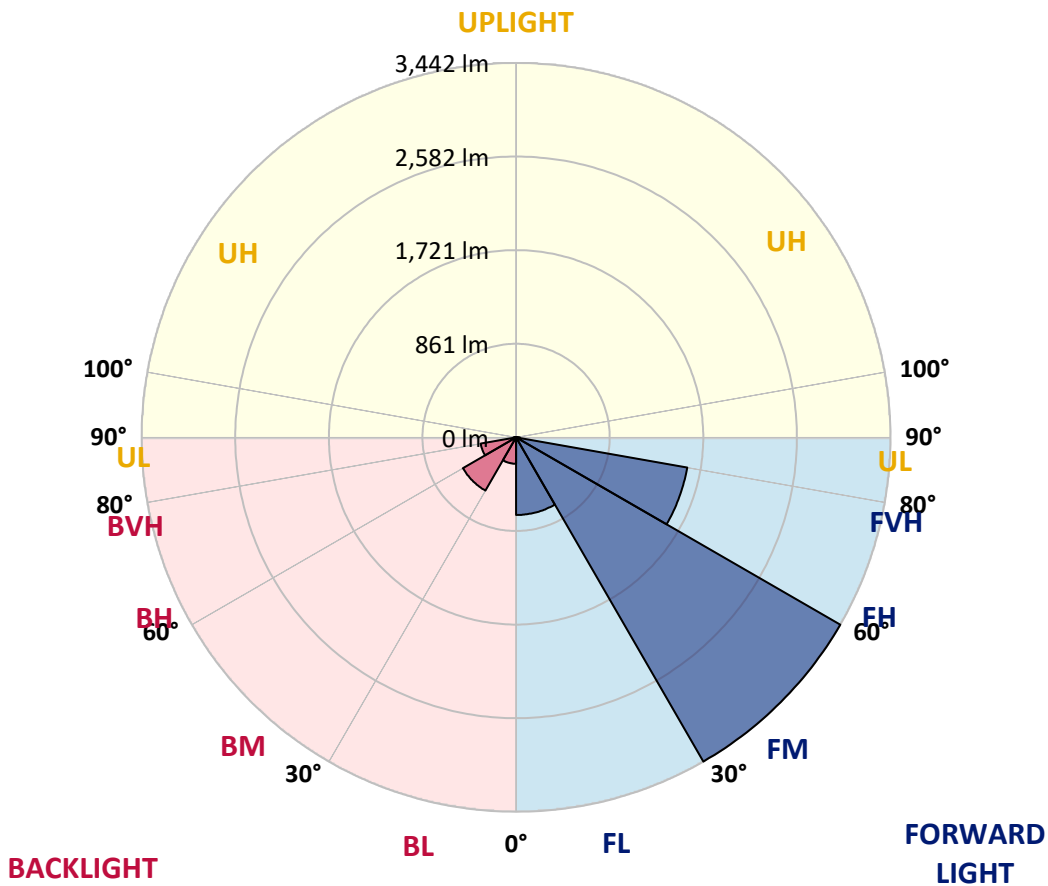
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.6	10.3			
FM (30°-60°)	3442.2	49.5			
FH (60°-80°)	1598.4	23.0			G1/1800
FVH (80°-90°)	35.6	0.5			G1/100
BL (0°-30°)	243.1	3.5	B1/500		
BM (30°-60°)	564.7	8.1	B1/1000		
BH (60°-80°)	330.1	4.7	B1/500		G1/500
BVH (80°-90°)	24.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3
2.5°	922.7	926.1	914.9	911.0	884.6	848.9	819.1	774.1	732.6	726.2	689.1
5°	1171.9	1157.3	1144.6	1136.2	1099.6	1059.0	996.0	911.4	823.0	812.2	732.1
7.5°	1320.0	1317.6	1301.9	1297.0	1268.7	1228.1	1163.1	1058.1	929.5	911.9	790.2
10°	1438.8	1437.3	1429.5	1433.9	1408.0	1368.4	1305.3	1196.8	1046.3	1028.7	855.2
12.5°	1542.4	1544.8	1543.3	1559.5	1546.3	1515.5	1450.0	1330.8	1163.1	1144.1	934.4
15°	1618.1	1620.1	1627.4	1662.6	1669.9	1663.6	1597.1	1462.2	1278.5	1251.1	1016.0
17.5°	1639.6	1643.5	1661.1	1717.8	1757.4	1783.8	1734.4	1596.1	1391.8	1362.0	1099.1
20°	1668.5	1672.9	1690.4	1749.6	1807.7	1867.8	1859.0	1732.0	1506.2	1481.8	1183.2
22.5°	1801.9	1798.4	1790.6	1819.0	1860.5	1935.3	1957.3	1862.5	1624.5	1601.0	1276.0
25°	2058.9	2052.6	2002.7	1976.8	1963.1	2008.6	2047.7	1981.2	1739.8	1704.6	1362.5
27.5°	2342.4	2339.0	2275.4	2213.9	2129.8	2110.2	2133.2	2084.8	1851.7	1816.0	1437.8
30°	2610.7	2600.4	2534.0	2456.7	2344.3	2260.3	2226.6	2186.5	1974.4	1937.2	1525.7
32.5°	2850.6	2837.4	2759.3	2673.7	2555.9	2456.7	2356.1	2294.5	2113.2	2070.2	1615.7
35°	3047.6	3034.4	2954.2	2863.3	2733.8	2660.5	2522.7	2411.8	2254.4	2210.9	1721.7
37.5°	3200.1	3187.8	3104.3	3014.8	2902.0	2843.8	2724.1	2543.7	2417.2	2371.7	1834.1
40°	3285.6	3276.8	3209.8	3139.0	3044.2	2993.8	2940.1	2710.4	2599.4	2554.0	1966.6
42.5°	3311.5	3305.6	3258.7	3222.1	3158.0	3119.9	3150.7	2906.4	2793.9	2754.4	2115.6
45°	3246.5	3246.5	3232.8	3251.4	3254.3	3253.8	3361.8	3127.7	3032.9	2989.4	2325.8
47.5°	3080.3	3091.1	3111.1	3202.5	3298.8	3379.4	3608.6	3422.9	3340.3	3304.6	2623.4
50°	2776.4	2805.7	2874.1	3052.5	3257.2	3462.5	3842.2	3859.3	3938.0	3875.0	3061.3
52.5°	2331.1	2326.7	2501.2	2755.3	3067.6	3465.9	3970.8	4244.4	4456.0	4412.6	3386.8
55°	1852.7	1845.4	2008.1	2358.5	2776.8	3334.9	4048.0	4420.9	4743.4	4704.3	3679.5
57.5°	1418.7	1409.4	1554.1	1870.3	2366.3	3056.9	4033.3	4631.0	5138.8	5118.7	4077.3
60°	976.4	965.2	1100.6	1377.2	1880.6	2631.7	3871.1	4739.0	5601.6	5608.4	4503.0
62.5°	586.5	580.1	678.3	892.9	1352.7	2104.9	3491.3	4673.5	5970.1	6000.9	4776.6
65°	353.8	349.4	407.1	532.7	858.2	1536.0	2905.9	4338.8	6023.3	6094.2	4783.0
67.5°	257.5	258.0	274.7	324.5	500.4	992.1	2180.6	3738.6	5745.7	5819.1	4481.5
70°	223.8	224.8	233.6	244.8	302.5	567.9	1417.7	2951.3	4925.2	4981.9	3758.7
72.5°	198.9	198.9	204.8	210.6	236.5	346.0	759.5	2062.8	3887.2	3902.3	2868.7
75°	175.0	173.5	176.4	179.4	205.3	241.9	369.5	1437.3	2871.2	2836.0	1854.2
77.5°	139.3	137.8	138.3	141.2	164.7	173.0	187.2	897.8	1618.1	1527.2	819.1
80°	99.2	98.2	103.6	110.9	121.7	106.0	117.3	434.5	641.7	597.2	317.7
82.5°	59.1	61.1	69.4	75.3	84.1	66.5	75.7	145.1	227.2	221.4	129.0
85°	8.3	8.8	24.9	28.8	36.2	25.9	40.1	65.5	90.9	97.3	45.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	11.7	25.9	26.4	11.2
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°	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3
2.5°	670.0	647.1	614.3	586.9	564.0	545.4	529.8	518.0	514.6	509.7	509.7
5°	694.5	652.9	594.3	552.7	528.8	514.6	504.8	499.9	497.5	494.6	493.1
7.5°	728.2	670.0	590.8	548.8	530.2	521.5	515.1	512.2	510.2	507.3	507.3
10°	774.6	695.4	601.6	562.5	547.8	539.0	531.7	526.8	522.4	518.0	517.1
12.5°	824.9	728.7	621.1	581.1	565.4	554.7	544.4	537.1	531.7	526.3	524.9
15°	880.7	762.9	642.2	599.2	579.6	564.9	552.7	541.5	534.2	526.3	525.4
17.5°	935.4	797.6	659.8	611.4	586.5	568.4	550.8	536.1	526.8	518.0	515.6
20°	1000.9	832.3	672.0	614.8	585.0	561.0	540.0	521.5	511.2	500.9	499.5
22.5°	1061.0	864.5	677.8	609.9	573.7	545.4	521.0	500.9	489.7	479.4	477.5
25°	1119.1	892.9	675.4	598.2	556.6	523.9	498.5	478.4	467.7	456.9	454.0
27.5°	1175.3	911.9	665.6	580.1	535.1	499.9	475.5	457.4	448.1	438.9	435.0
30°	1230.6	929.5	650.5	556.6	507.8	475.0	455.0	442.3	433.0	423.2	420.3
32.5°	1286.3	942.2	627.5	529.3	479.9	453.0	440.8	431.5	421.8	412.0	409.0
35°	1342.5	947.6	599.6	498.0	456.5	438.9	434.5	423.7	410.5	398.8	394.9
37.5°	1409.4	952.5	564.9	467.2	435.9	432.0	431.0	414.9	399.3	383.1	378.7
40°	1490.1	958.8	529.3	439.3	419.3	429.6	425.7	403.7	372.4	356.8	351.9
42.5°	1588.8	970.6	492.1	413.9	407.1	420.3	415.9	376.3	355.3	346.5	344.1
45°	1733.9	1013.6	455.0	393.9	397.8	407.1	400.3	360.2	351.9	346.0	343.1
47.5°	1992.5	1079.6	422.7	378.7	390.5	395.4	369.0	355.8	349.4	341.6	338.2
50°	2261.3	1108.4	396.8	369.5	382.2	384.6	351.9	349.9	345.5	337.2	333.8
52.5°	2443.1	1104.5	381.2	366.0	375.3	366.0	344.1	343.6	340.6	330.9	326.9
55°	2648.3	1111.3	374.4	367.0	372.4	334.8	334.3	335.7	334.3	323.5	321.6
57.5°	2925.4	1132.3	370.9	370.4	370.4	319.6	325.0	326.9	324.0	319.1	317.7
60°	3191.8	1133.8	364.6	374.4	369.0	310.3	314.2	316.2	312.8	311.8	311.3
62.5°	3291.9	1063.4	350.4	371.4	363.1	300.1	303.0	304.0	300.6	303.0	302.5
65°	3142.9	913.9	326.9	357.2	345.0	290.8	288.8	291.3	285.4	291.8	292.2
67.5°	2790.5	726.2	291.3	330.4	319.6	280.5	276.6	276.6	266.8	276.6	276.1
70°	2250.0	513.1	239.0	287.4	291.8	268.3	266.3	255.1	239.5	254.1	252.7
72.5°	1705.6	368.5	188.2	227.2	251.2	251.2	251.7	232.6	214.5	221.4	215.5
75°	1080.5	259.5	150.5	174.0	196.9	220.4	231.6	196.5	180.3	177.4	174.5
77.5°	486.8	170.6	117.3	133.4	139.8	174.0	211.6	169.1	147.1	140.7	138.8
80°	203.8	106.0	83.6	94.3	86.0	146.1	186.7	131.5	108.0	99.2	92.9
82.5°	89.4	63.0	53.3	50.8	53.8	108.5	139.3	87.5	67.4	91.4	92.4
85°	37.6	33.2	27.4	24.9	22.0	41.5	65.5	34.2	42.0	23.9	19.5
87.5°	8.8	9.8	7.3	4.9	2.9	0.5	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)