

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: P634531

Luminaire Tested: GWS-SA3B-830-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8197.9 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

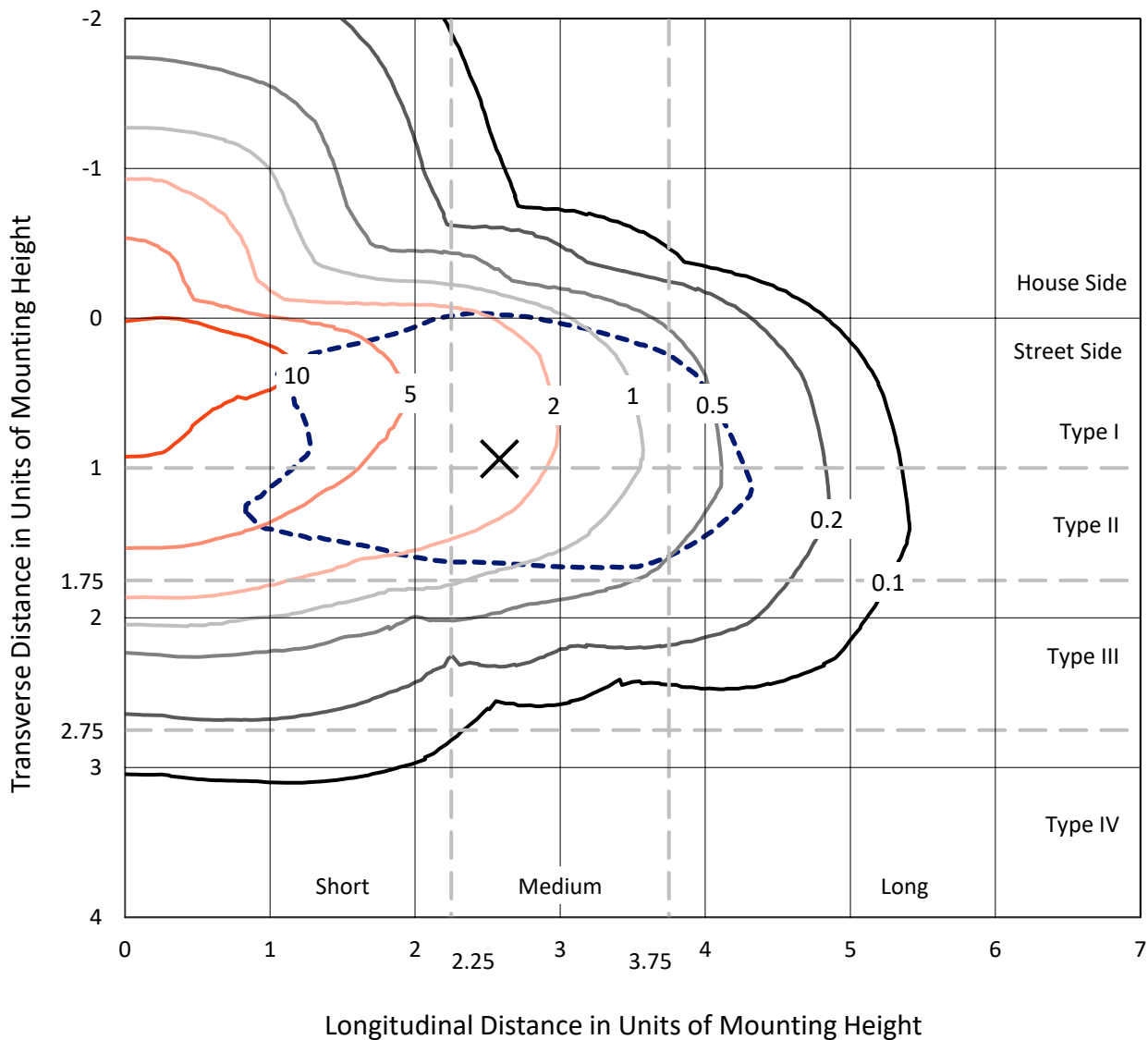
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

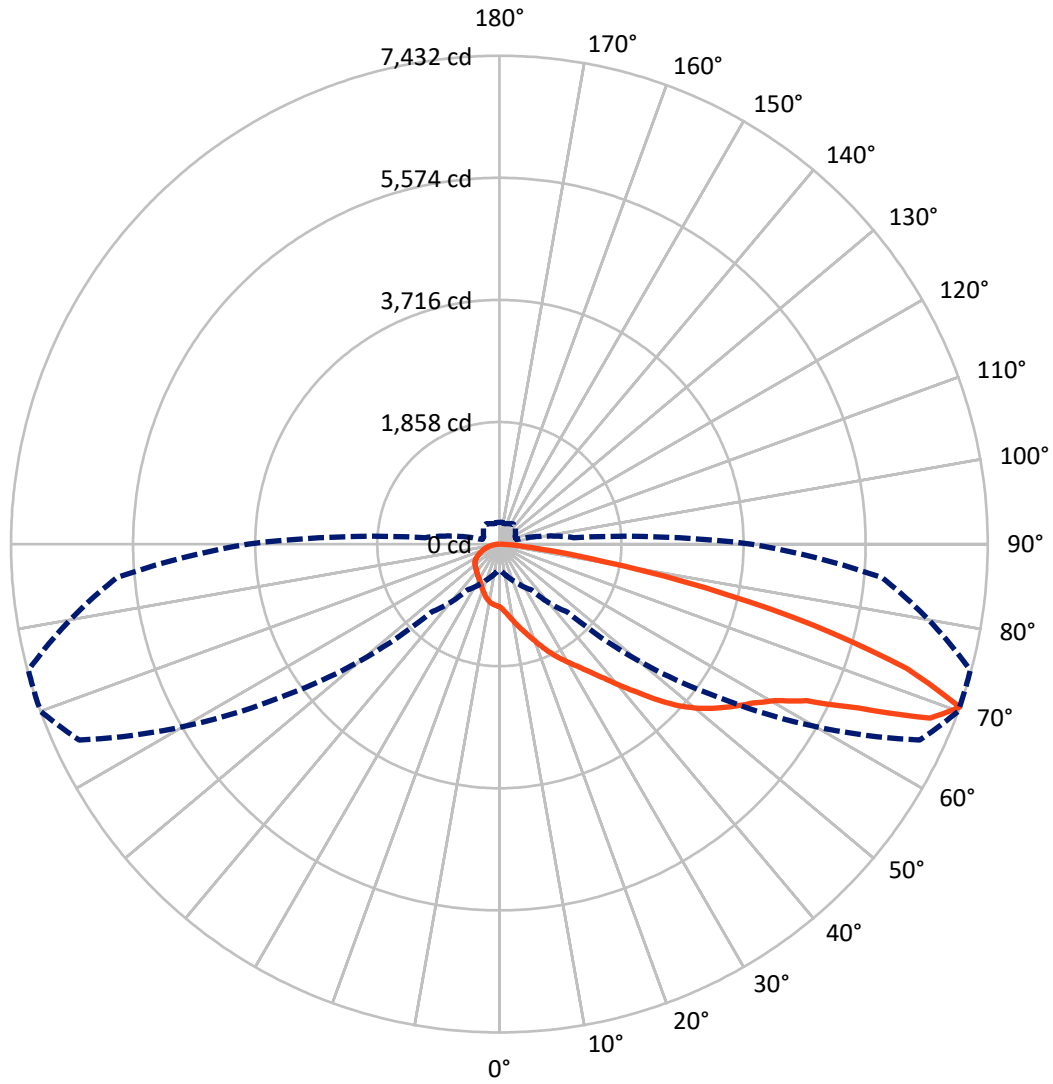
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1469.1	0.0	1469.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	6728.8	0.0	6728.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	8197.9	0.0	8197.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	1.2
10°-20°	316.1	3.9
20°-30°	560.0	6.8
30°-40°	842.8	10.3
40°-50°	1275.0	15.6
50°-60°	1826.5	22.3
60°-70°	2019.0	24.6
70°-80°	1139.4	13.9
80°-90°	121.9	1.5
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°	8197.9	100.0
0°-180°	8197.9	100.0

Coefficient of Utilization



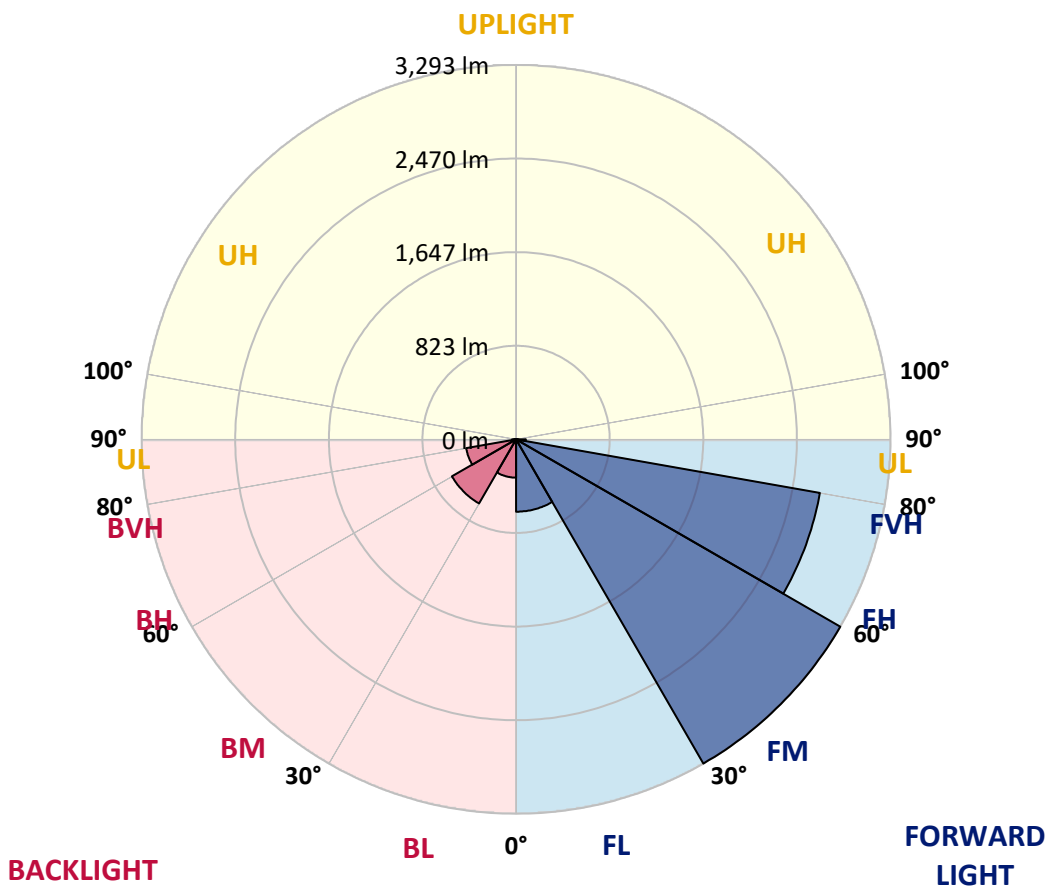
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	636.4	7.8			
FM (30°-60°)	3293.1	40.2			
FH (60°-80°)	2713.2	33.1			G2/5000
FVH (80°-90°)	86.2	1.1			G1/100
BL (0°-30°)	336.8	4.1	B1/500		
BM (30°-60°)	651.2	7.9	B1/1000		
BH (60°-80°)	445.3	5.4	B1/500		G1/500
BVH (80°-90°)	35.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0
2.5°	1059.1	1057.3	1058.5	1057.3	1050.8	1034.8	1021.8	1005.2	994.0	987.4	972.0
5°	1183.5	1181.7	1177.6	1171.7	1159.8	1137.9	1105.3	1069.2	1047.3	1030.7	998.1
7.5°	1272.9	1272.9	1272.4	1265.2	1257.0	1233.9	1195.4	1148.0	1116.0	1087.5	1034.2
10°	1318.6	1321.5	1325.7	1335.7	1334.0	1321.5	1285.4	1234.4	1194.2	1161.0	1081.6
12.5°	1343.4	1345.2	1352.3	1373.1	1394.4	1397.3	1376.0	1322.7	1278.9	1234.4	1134.3
15°	1375.4	1376.0	1385.5	1410.4	1441.8	1473.2	1467.8	1414.5	1369.5	1320.3	1193.0
17.5°	1400.3	1404.5	1421.6	1450.7	1489.7	1533.0	1559.1	1525.9	1470.2	1413.9	1257.0
20°	1409.2	1412.2	1434.7	1479.1	1532.4	1593.4	1651.5	1642.6	1586.3	1520.0	1329.2
22.5°	1441.2	1441.2	1457.8	1495.1	1557.9	1646.7	1740.9	1764.0	1714.2	1636.6	1406.8
25°	1511.7	1509.3	1517.0	1532.4	1579.8	1689.4	1829.2	1898.5	1842.8	1755.7	1484.4
27.5°	1608.2	1607.0	1606.4	1608.8	1624.8	1726.7	1903.8	2024.0	1968.4	1870.0	1553.7
30°	1713.1	1709.5	1717.2	1710.1	1706.5	1771.1	1967.2	2136.6	2093.3	1983.2	1611.2
32.5°	1855.8	1849.3	1847.5	1824.4	1810.2	1840.4	2018.1	2264.5	2230.2	2105.2	1675.7
35°	2044.2	2038.3	2008.0	1971.3	1929.3	1943.5	2081.5	2389.5	2391.9	2258.0	1760.4
37.5°	2234.3	2235.5	2211.8	2125.3	2082.1	2073.8	2178.1	2541.8	2592.7	2440.5	1870.0
40°	2392.5	2399.6	2399.6	2308.4	2243.8	2236.1	2313.7	2722.4	2823.7	2664.4	2008.6
42.5°	2512.7	2519.2	2540.0	2474.2	2406.1	2432.8	2478.4	2903.7	3085.5	2941.0	2184.0
45°	2644.8	2650.2	2661.4	2623.5	2583.8	2654.9	2665.0	3120.5	3385.3	3251.4	2387.7
47.5°	2820.2	2815.4	2816.6	2788.8	2758.0	2872.9	2870.5	3302.9	3674.9	3591.4	2608.7
50°	3038.1	3047.0	3038.7	2983.6	2947.5	3052.4	3066.0	3504.9	3929.6	3927.8	2831.4
52.5°	3247.8	3251.4	3295.2	3297.6	3223.5	3201.6	3237.2	3708.7	4144.6	4235.9	3045.2
55°	3258.5	3272.1	3403.6	3498.4	3618.0	3442.1	3410.1	3903.0	4352.6	4537.4	3267.4
57.5°	3031.6	3053.5	3276.9	3481.2	3814.1	3855.0	3706.3	4154.1	4560.5	4834.1	3524.5
60°	2547.1	2592.7	2896.0	3208.7	3725.9	4151.7	4312.3	4495.3	4833.5	5137.4	3836.6
62.5°	1626.6	1644.3	2069.7	2593.3	3328.4	4122.7	4972.1	5096.5	5249.4	5532.5	4317.6
65°	814.5	871.3	1120.7	1547.8	2400.2	3632.9	5305.6	6197.7	6010.5	6209.0	5097.1
67.5°	552.7	571.0	697.2	930.0	1407.4	2573.7	5098.9	7125.3	7070.2	7102.8	5928.2
70°	407.5	419.4	518.9	658.7	851.2	1461.3	4059.3	7055.4	7431.6	7419.7	5841.1
72.5°	297.4	303.3	378.5	502.9	630.8	755.8	2479.0	5699.5	6487.4	6829.1	5108.4
75°	216.2	223.3	263.0	376.1	490.5	471.5	1223.8	4116.8	4947.3	5604.8	4161.8
77.5°	161.1	170.0	188.4	235.8	343.6	337.6	529.0	2673.3	3199.8	3660.7	2528.1
80°	116.1	117.9	128.5	151.0	218.0	197.8	251.7	1393.8	1598.1	1751.0	991.0
82.5°	70.5	72.3	85.9	93.0	135.1	124.4	130.9	451.4	646.8	686.5	370.2
85°	20.7	21.9	39.1	42.6	56.3	53.3	52.7	183.6	219.2	280.2	145.7
87.5°	0.0	0.0	0.0	0.0	0.6	3.6	6.5	32.6	49.2	68.1	35.5
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°	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0
2.5°	966.1	952.5	945.4	932.9	924.1	915.2	906.3	898.0	894.4	889.1	890.3
5°	983.3	962.0	940.6	916.4	895.6	878.4	863.0	849.4	843.5	838.2	840.5
7.5°	1009.4	977.4	936.5	892.1	859.5	835.8	819.8	810.3	807.4	803.2	803.2
10°	1042.5	994.5	922.9	859.5	820.4	801.4	794.3	793.7	796.7	797.3	796.1
12.5°	1079.3	1011.1	902.7	821.0	787.8	781.9	787.2	797.3	807.4	812.7	811.5
15°	1117.2	1021.8	868.4	784.3	764.1	771.8	789.0	809.1	828.7	838.8	838.2
17.5°	1152.7	1024.2	824.0	748.7	743.4	762.9	792.6	824.0	850.6	864.8	865.4
20°	1192.4	1020.0	778.3	716.7	722.7	754.6	793.7	831.7	863.0	877.3	880.8
22.5°	1228.5	1005.8	733.9	686.5	704.9	744.6	784.3	819.8	847.6	861.3	866.0
25°	1261.1	978.6	685.3	661.1	691.3	730.4	760.6	785.4	805.0	813.3	819.8
27.5°	1278.9	937.7	648.6	640.9	678.2	710.2	726.8	734.5	741.0	738.7	743.4
30°	1282.4	886.7	616.6	624.9	658.7	682.4	685.9	678.2	667.0	648.6	652.8
32.5°	1278.9	828.1	590.0	607.7	636.8	651.0	646.2	626.1	598.9	570.4	572.2
35°	1280.1	768.9	568.1	588.8	611.3	619.0	607.2	579.3	550.3	524.2	523.0
37.5°	1293.1	719.1	549.7	570.4	586.4	587.6	574.6	545.5	530.7	511.2	508.8
40°	1329.2	682.4	533.1	552.1	562.1	561.5	546.7	526.0	536.1	529.6	527.8
42.5°	1388.5	659.9	519.5	532.5	539.6	540.8	529.0	515.9	537.8	529.6	526.6
45°	1483.8	658.7	510.0	513.0	524.2	532.5	524.2	509.4	517.7	477.4	469.7
47.5°	1597.0	678.8	502.9	495.8	515.3	530.1	517.1	493.4	476.2	439.5	434.2
50°	1733.2	719.7	496.4	477.4	502.3	521.3	508.2	475.7	449.6	430.0	427.1
52.5°	1894.9	773.6	488.1	456.7	482.8	516.5	508.2	473.9	439.5	421.7	418.8
55°	2064.3	835.8	478.6	431.8	460.8	517.7	512.4	461.4	431.8	422.3	420.0
57.5°	2274.6	910.4	461.4	402.8	441.3	507.0	495.8	454.3	426.5	418.8	416.4
60°	2547.7	1021.2	428.9	373.2	418.8	488.1	481.0	442.5	412.3	405.8	404.0
62.5°	2980.1	1209.0	389.2	344.7	392.1	448.4	459.1	420.0	394.5	393.9	393.3
65°	3685.0	1434.7	342.4	319.3	364.3	415.8	430.0	396.9	376.1	382.7	382.1
67.5°	4179.0	1454.2	303.9	292.6	331.7	380.3	401.0	373.2	350.7	363.1	362.5
70°	3827.7	1134.3	270.7	264.8	296.8	341.8	369.6	343.6	321.1	332.9	330.5
72.5°	3228.3	869.6	239.3	235.8	261.2	301.5	329.3	313.9	290.2	290.2	284.9
75°	2594.5	717.3	206.1	204.4	221.5	260.6	292.0	266.0	244.0	242.9	239.3
77.5°	1488.0	470.3	173.0	171.8	177.1	218.0	226.9	221.5	205.0	197.3	194.9
80°	592.9	244.6	136.2	128.5	133.9	159.9	178.9	170.0	155.8	146.3	141.0
82.5°	229.8	122.6	96.0	84.1	91.8	115.5	129.7	126.8	117.3	96.0	90.0
85°	93.6	59.8	57.5	48.6	53.3	62.2	74.6	64.6	53.3	37.9	36.1
87.5°	24.9	21.9	21.3	13.0	10.1	3.0	0.6	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)