

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: P631899

Luminaire Tested: GWS-SA2B-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7064.2 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

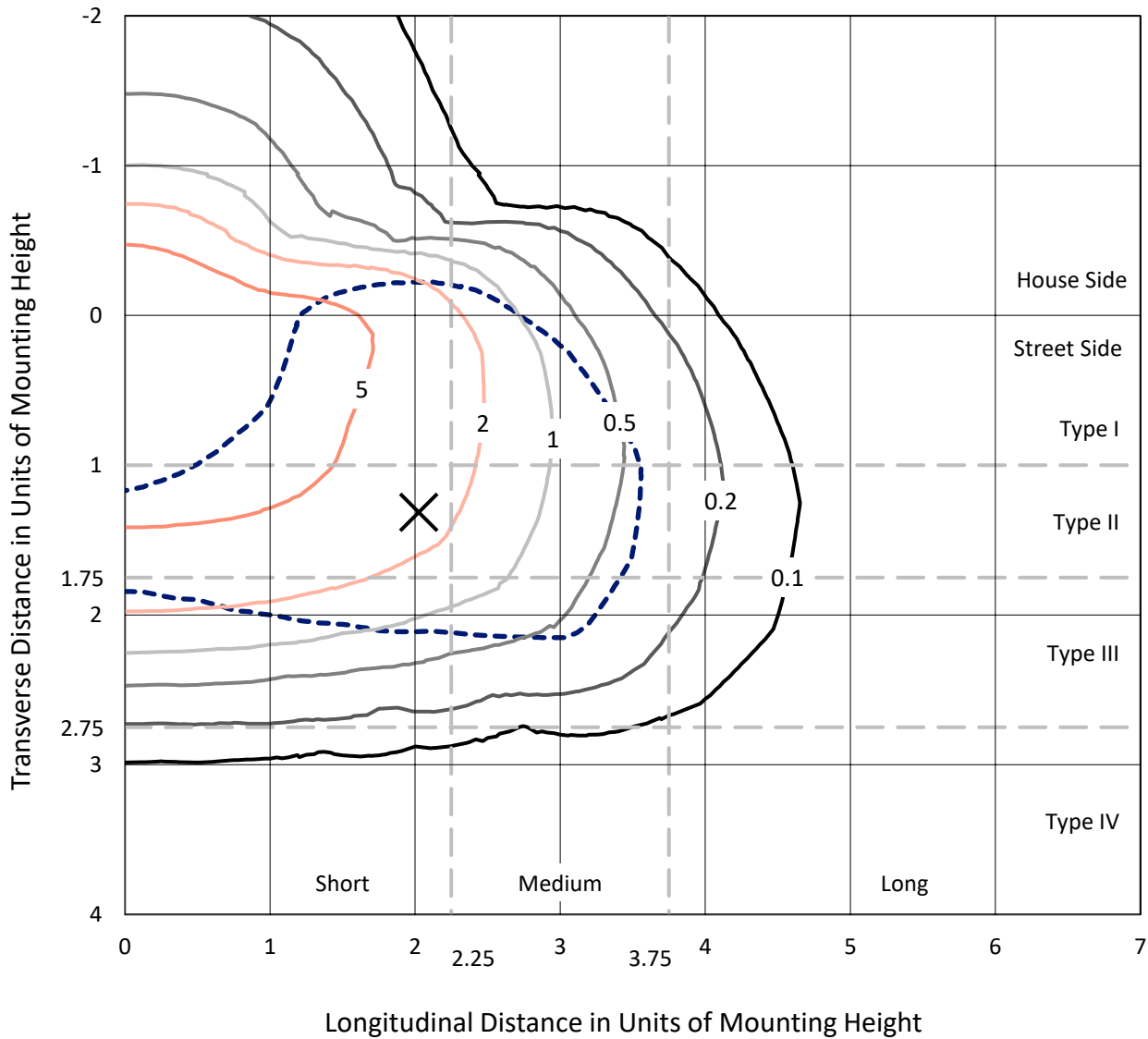
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

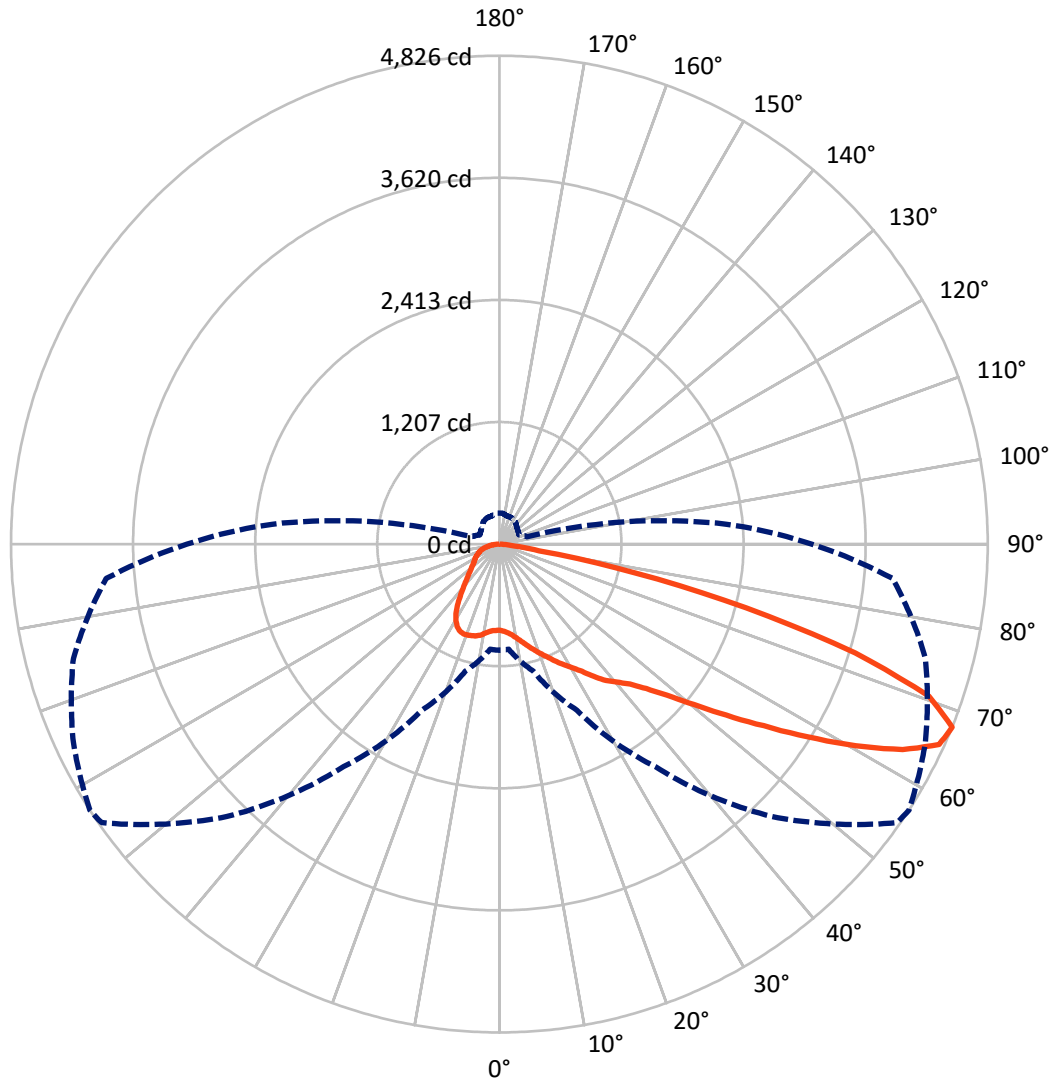
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1553.1	0.0	1553.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5511.1	0.0	5511.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	7064.2	0.0	7064.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	1.2
10°-20°	279.5	4.0
20°-30°	498.3	7.1
30°-40°	724.4	10.3
40°-50°	1048.4	14.8
50°-60°	1640.8	23.2
60°-70°	1914.1	27.1
70°-80°	799.0	11.3
80°-90°	75.4	1.1
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°	7064.2	100.0
0°-180°	7064.2	100.0

Coefficient of Utilization



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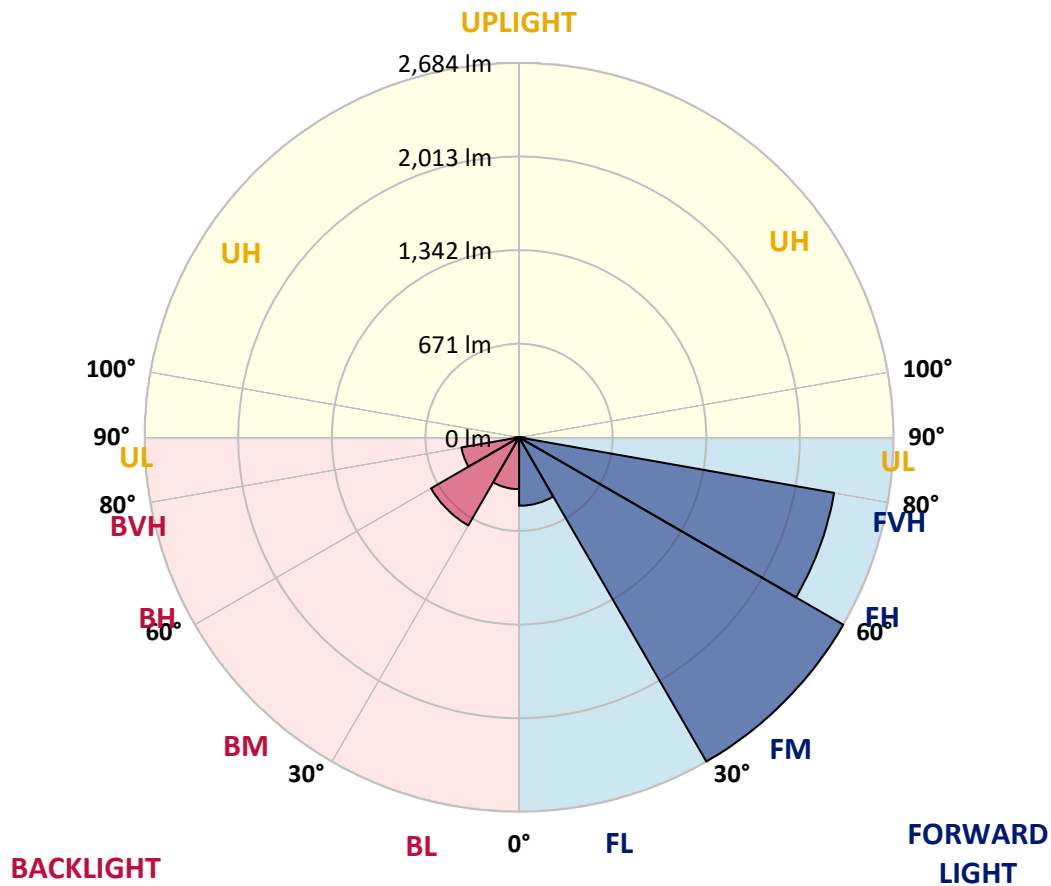
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.7	6.9			
FM (30°-60°)	2684.5	38.0			
FH (60°-80°)	2293.9	32.5			G2/5000
FVH (80°-90°)	42.0	0.6			G1/100
BL (0°-30°)	371.5	5.3	B1/500		
BM (30°-60°)	729.1	10.3	B1/1000		
BH (60°-80°)	419.2	5.9	B1/500		G1/500
BVH (80°-90°)	33.4	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	863.3	862.3	861.8	864.9	863.8	863.3	863.3	862.8	861.8	857.8	852.2
5°	887.1	885.1	883.1	885.6	883.6	881.6	881.0	880.0	876.5	870.4	861.8
7.5°	911.9	909.9	910.4	911.9	910.4	909.4	907.9	906.9	901.3	891.7	880.0
10°	946.8	946.8	947.8	949.4	949.9	948.4	945.3	943.8	937.2	925.1	908.9
12.5°	997.4	996.4	996.4	995.4	996.9	995.4	992.4	989.8	981.8	966.1	942.8
15°	1064.2	1060.2	1056.6	1050.1	1048.0	1042.5	1043.5	1042.0	1034.4	1013.1	983.8
17.5°	1135.6	1135.1	1129.5	1116.4	1103.2	1094.1	1096.1	1095.6	1091.6	1062.7	1025.3
20°	1198.3	1200.9	1195.8	1185.7	1168.0	1150.8	1149.8	1152.3	1147.2	1118.4	1066.3
22.5°	1268.7	1266.7	1261.6	1248.4	1235.3	1217.1	1211.0	1209.0	1206.9	1174.1	1108.3
25°	1335.5	1341.6	1335.0	1322.8	1302.6	1282.9	1277.8	1279.8	1274.3	1230.7	1153.3
27.5°	1420.0	1422.5	1418.5	1401.8	1384.6	1356.7	1347.1	1347.1	1345.1	1283.9	1188.7
30°	1510.1	1517.2	1510.1	1496.4	1478.7	1438.7	1418.0	1415.9	1409.9	1338.5	1230.2
32.5°	1600.7	1605.7	1600.7	1587.5	1567.3	1532.3	1502.5	1497.9	1489.8	1398.2	1272.7
35°	1681.1	1685.7	1684.7	1687.7	1671.0	1627.0	1608.8	1606.7	1585.5	1476.2	1330.4
37.5°	1769.2	1774.7	1767.2	1773.2	1766.6	1725.1	1719.6	1709.5	1679.1	1549.5	1391.2
40°	1869.4	1874.4	1862.3	1864.8	1857.2	1834.0	1805.6	1791.9	1746.9	1629.0	1486.8
42.5°	1976.7	1988.3	1993.9	1989.3	1971.6	1958.4	1908.8	1891.6	1854.2	1772.2	1644.2
45°	2132.0	2149.2	2157.3	2145.7	2138.1	2119.4	2058.6	2037.9	2018.2	1974.1	1863.8
47.5°	2299.5	2315.2	2341.0	2346.1	2352.2	2338.0	2252.5	2232.2	2235.8	2230.7	2134.0
50°	2433.1	2446.3	2504.5	2566.7	2618.3	2622.4	2513.1	2491.3	2510.5	2526.7	2459.4
52.5°	2530.3	2541.9	2618.8	2747.4	2864.3	2950.8	2832.9	2808.1	2823.8	2860.2	2829.4
55°	2609.2	2625.4	2705.9	2903.2	3139.6	3276.2	3200.8	3169.4	3162.9	3207.9	3225.6
57.5°	2650.7	2655.8	2768.6	3025.2	3341.5	3595.5	3628.4	3593.0	3530.3	3555.1	3647.2
60°	2556.1	2564.7	2719.0	3056.6	3500.9	3912.3	4077.3	4048.0	3914.4	3928.0	4029.7
62.5°	2294.5	2306.6	2492.3	2907.3	3514.1	4123.9	4491.8	4473.0	4293.9	4220.0	4250.4
65°	1840.5	1844.6	2036.9	2537.9	3252.4	4150.2	4780.7	4776.2	4559.1	4386.0	4255.9
67.5°	1049.6	1042.5	1299.6	1810.2	2684.1	3808.1	4799.4	4826.3	4645.1	4358.7	3901.7
70°	454.9	456.0	574.4	893.2	1737.3	3077.8	4457.9	4503.9	4396.1	3903.7	3104.2
72.5°	210.5	213.6	264.7	386.6	741.9	1909.4	3635.0	3676.5	3583.9	3124.4	2258.5
75°	148.8	151.3	176.6	221.7	341.1	743.9	2431.6	2518.6	2563.7	2337.0	1488.3
77.5°	112.9	116.4	129.0	153.8	210.5	263.7	1163.4	1370.9	1633.0	1453.9	766.7
80°	71.9	71.9	85.5	102.7	128.5	137.1	336.0	398.3	799.1	599.2	301.1
82.5°	48.6	50.1	58.2	65.3	73.9	77.9	144.2	153.8	230.8	203.9	124.0
85°	25.8	26.8	30.4	29.9	35.4	30.9	60.7	60.2	84.5	92.6	47.1
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	6.6	7.1	17.7	28.3	15.7
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°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	855.2	849.2	852.2	851.2	854.2	854.2	848.7	847.1	847.6	841.6	839.5
5°	862.8	855.7	857.3	855.2	858.3	860.8	858.3	858.3	861.3	856.8	854.2
7.5°	880.0	871.9	871.9	869.4	872.9	875.0	872.9	876.0	881.6	877.0	874.5
10°	907.4	897.7	898.3	895.2	896.7	895.7	887.6	885.1	886.6	882.6	880.5
12.5°	942.8	929.6	929.6	923.6	920.0	909.4	892.7	886.6	887.6	884.1	882.6
15°	976.7	964.5	962.0	949.9	933.7	913.9	898.8	894.7	895.7	892.2	889.6
17.5°	1016.7	1001.0	991.9	969.6	939.7	919.5	904.3	894.7	886.6	878.5	876.5
20°	1053.6	1033.9	1017.2	982.8	946.3	918.5	890.2	866.4	846.6	836.0	833.5
22.5°	1091.6	1066.3	1036.9	991.9	945.8	900.3	848.2	812.2	782.9	767.2	770.2
25°	1127.5	1095.6	1055.6	1000.5	929.6	859.8	788.9	735.3	701.9	689.8	686.2
27.5°	1157.4	1117.9	1072.8	996.4	896.2	801.6	708.0	648.3	615.9	602.2	598.7
30°	1190.8	1146.2	1097.6	977.7	843.6	720.1	616.4	567.8	544.5	531.4	531.9
32.5°	1229.2	1182.7	1132.6	941.8	776.3	632.1	541.0	507.6	488.9	475.7	473.7
35°	1280.8	1234.8	1155.8	887.6	690.8	551.1	489.4	462.0	438.8	421.5	418.0
37.5°	1344.6	1313.2	1158.4	815.3	599.2	495.4	452.4	423.1	394.7	372.0	369.4
40°	1453.9	1418.0	1137.6	724.7	521.2	459.5	421.5	387.6	354.7	329.4	325.9
42.5°	1609.8	1535.9	1093.1	622.5	462.5	431.2	392.2	349.2	315.8	298.1	295.5
45°	1808.1	1667.5	1026.3	526.3	419.0	403.3	361.3	316.3	298.6	285.9	283.4
47.5°	2051.0	1820.8	949.4	451.4	385.1	378.0	329.9	305.2	289.5	278.8	276.3
50°	2341.5	2016.1	886.1	392.7	354.7	348.7	319.8	298.6	285.9	277.3	275.3
52.5°	2673.0	2233.2	855.2	350.7	328.4	322.4	316.3	297.1	286.4	279.8	277.3
55°	3017.1	2462.0	826.4	318.3	306.2	309.7	316.8	302.1	294.0	285.4	282.9
57.5°	3349.6	2676.5	755.5	293.0	290.0	303.6	319.3	307.2	297.6	289.0	285.9
60°	3578.8	2793.9	635.6	272.8	277.8	296.0	312.7	299.6	287.4	283.9	282.4
62.5°	3640.6	2779.8	493.4	252.0	263.1	279.3	295.5	286.9	274.3	279.8	280.4
65°	3496.3	2628.0	370.4	231.8	243.9	257.6	277.8	274.3	269.7	284.9	285.4
67.5°	3088.0	2255.0	282.4	214.1	224.2	240.9	272.3	286.9	287.9	307.2	305.2
70°	2336.5	1684.7	221.1	197.4	209.0	240.9	290.0	296.5	284.4	302.1	298.1
72.5°	1615.3	1111.8	188.3	182.7	190.3	229.7	289.5	289.5	276.3	276.3	268.7
75°	1003.5	653.8	164.0	164.0	164.0	200.9	281.4	266.7	243.4	232.8	226.7
77.5°	495.4	317.8	137.6	142.7	137.1	168.0	229.7	218.1	203.9	192.8	188.8
80°	211.5	158.9	111.3	116.9	110.3	126.5	182.2	179.7	166.0	151.3	146.8
82.5°	97.2	82.0	89.1	91.6	80.5	95.1	133.1	133.1	125.5	105.3	97.7
85°	41.5	43.5	61.7	61.7	50.6	53.6	71.4	67.8	60.7	49.6	45.5
87.5°	14.2	21.3	31.4	27.3	10.6	4.6	2.5	1.0	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)