

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: P631339

Luminaire Tested: GWS-SA1F-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-740-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7024 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

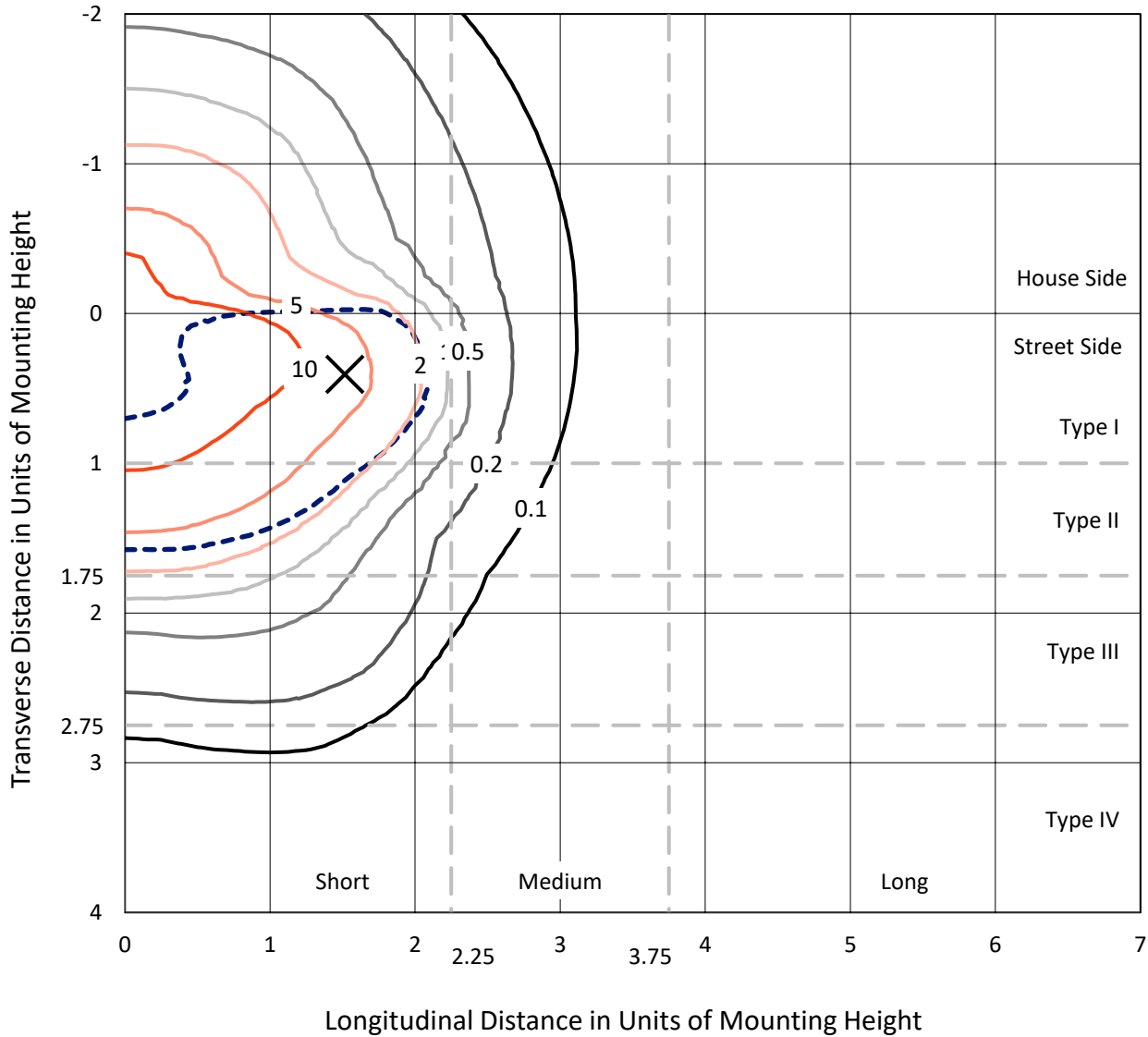
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

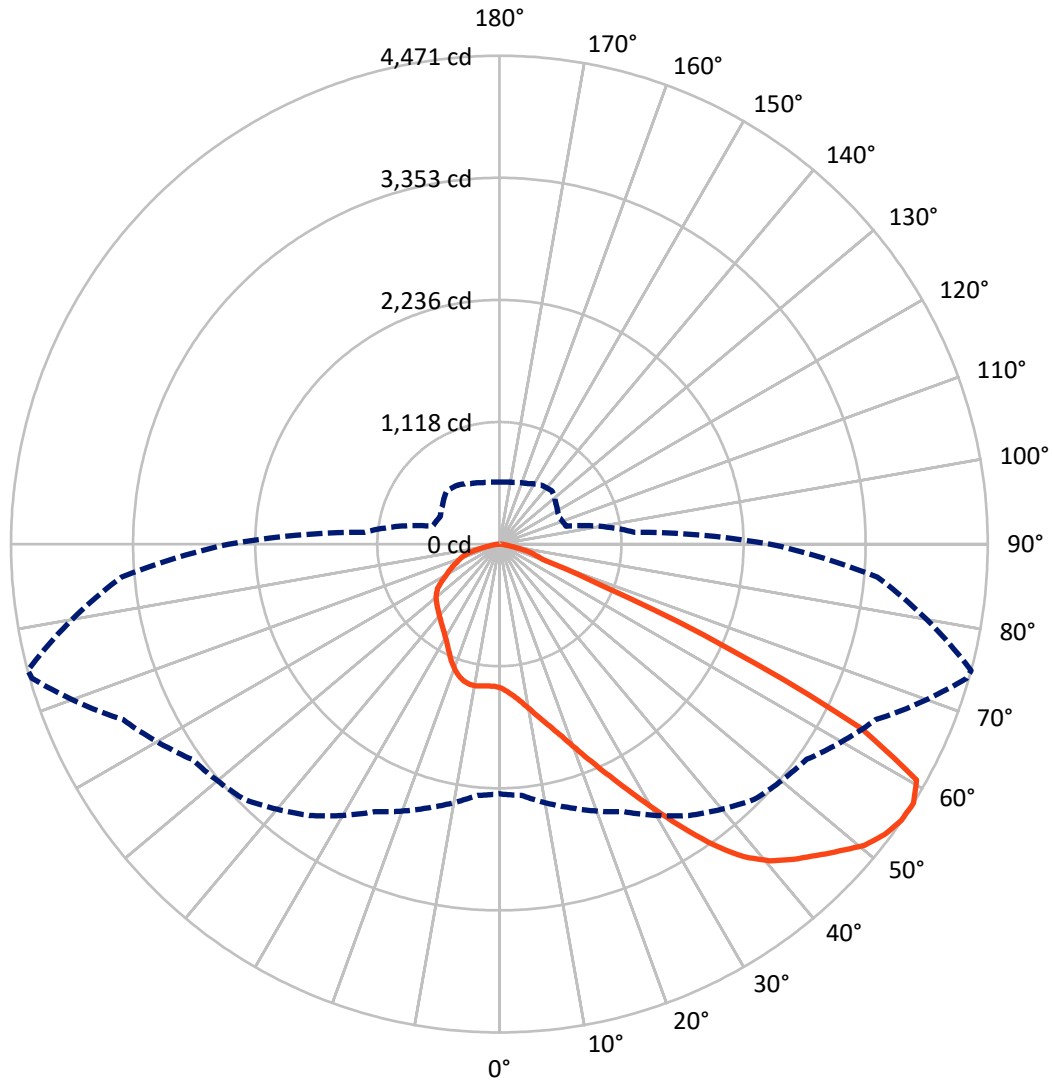
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1900.1	0.0	1900.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	5123.9	0.0	5123.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	7024.0	0.0	7024.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	1.9
10°-20°	419.1	6.0
20°-30°	743.3	10.6
30°-40°	1137.8	16.2
40°-50°	1584.3	22.6
50°-60°	1815.3	25.8
60°-70°	932.7	13.3
70°-80°	234.8	3.3
80°-90°	25.1	0.4
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°	7024.0	100.0
0°-180°	7024.0	100.0

Coefficient of Utilization



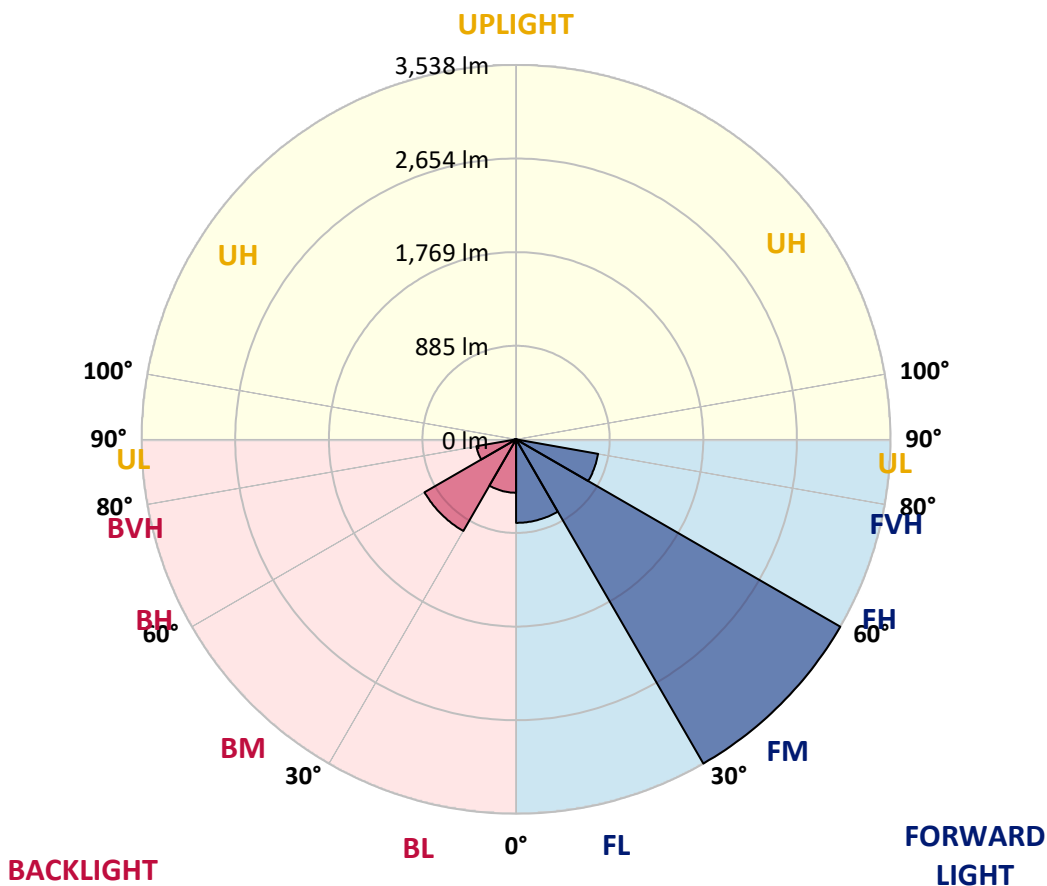
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	789.2	11.2			
FM (30°-60°)	3538.1	50.4			
FH (60°-80°)	787.3	11.2			G1/1800
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	504.8	7.2	B2/1000		
BM (30°-60°)	999.3	14.2	B1/1000		
BH (60°-80°)	380.2	5.4	B1/500		G1/500
BVH (80°-90°)	15.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4
2.5°	1413.3	1416.9	1413.3	1419.3	1407.2	1401.8	1388.5	1368.6	1352.9	1350.5	1332.9
5°	1523.2	1531.0	1526.2	1523.8	1507.5	1495.4	1475.5	1435.6	1403.0	1398.2	1363.7
7.5°	1593.9	1599.3	1599.3	1601.1	1595.1	1581.2	1560.0	1512.9	1467.0	1459.8	1407.8
10°	1617.4	1621.6	1629.5	1644.6	1656.7	1660.9	1647.0	1601.7	1545.5	1538.3	1465.8
12.5°	1622.8	1627.7	1639.8	1667.5	1700.8	1731.0	1733.4	1700.1	1637.3	1629.5	1532.9
15°	1633.1	1637.9	1654.2	1688.7	1737.6	1795.6	1831.2	1808.3	1738.8	1730.3	1609.0
17.5°	1631.9	1637.3	1661.5	1707.4	1773.2	1857.2	1926.0	1935.7	1863.8	1849.3	1695.3
20°	1628.9	1633.7	1659.7	1715.9	1797.4	1912.7	2037.2	2087.3	2010.0	1996.7	1796.2
22.5°	1653.0	1658.5	1678.4	1724.9	1810.1	1955.6	2139.8	2260.6	2183.3	2164.6	1912.1
25°	1707.4	1715.2	1727.3	1759.3	1833.0	1993.7	2244.9	2456.9	2377.8	2355.4	2038.4
27.5°	1791.3	1801.0	1817.9	1833.0	1884.4	2042.0	2349.4	2676.8	2597.6	2574.1	2171.8
30°	1894.0	1906.7	1928.4	1938.7	1973.7	2113.3	2463.0	2903.2	2857.3	2824.7	2322.2
32.5°	2036.0	2053.5	2074.0	2077.0	2098.2	2221.4	2575.3	3127.9	3127.3	3104.4	2493.2
35°	2220.8	2239.5	2243.7	2247.9	2258.2	2369.9	2711.2	3332.7	3411.8	3385.2	2679.2
37.5°	2422.5	2449.7	2456.3	2437.6	2452.1	2548.7	2864.0	3496.9	3659.4	3631.0	2859.2
40°	2638.1	2649.0	2667.1	2637.5	2655.6	2753.5	3013.8	3602.0	3844.2	3814.0	3001.1
42.5°	2792.7	2812.6	2839.8	2829.0	2839.2	2928.6	3118.9	3652.8	3975.9	3945.7	3103.2
45°	2960.6	2966.7	2984.2	2981.8	2987.8	3071.1	3194.3	3675.1	4093.6	4066.5	3190.1
47.5°	3106.8	3115.8	3127.3	3114.0	3100.7	3155.1	3256.0	3694.4	4229.5	4196.9	3281.3
50°	3247.5	3255.3	3269.2	3230.6	3181.1	3195.0	3286.2	3721.0	4357.0	4334.0	3353.2
52.5°	3273.5	3281.9	3347.2	3355.0	3291.6	3242.7	3339.3	3779.6	4431.9	4417.4	3379.2
55°	2946.7	2961.8	3091.7	3240.9	3397.3	3381.6	3424.5	3810.4	4461.5	4465.1	3425.7
57.5°	2287.2	2308.9	2498.6	2703.3	3032.5	3304.9	3435.3	3802.5	4451.2	4471.1	3473.4
60°	1500.2	1512.9	1737.6	1967.1	2308.3	2685.2	3074.8	3661.2	4360.0	4388.4	3461.3
62.5°	905.9	920.4	1101.0	1275.0	1476.1	1727.9	2085.5	2942.5	3654.6	3718.0	2772.2
65°	632.3	651.7	809.9	953.1	1022.5	970.6	1056.3	1643.4	2276.9	2303.5	1694.1
67.5°	458.4	471.7	601.5	771.9	848.6	685.5	522.4	727.8	991.7	1001.4	698.8
70°	300.2	315.3	433.0	587.7	692.7	555.6	390.8	393.8	417.3	422.2	405.9
72.5°	164.9	173.9	267.6	390.2	409.5	332.2	305.0	327.3	343.7	343.7	347.9
75°	85.2	93.0	109.3	128.6	155.2	181.8	219.8	253.1	270.6	271.8	270.0
77.5°	43.5	46.5	58.6	63.4	69.5	80.9	105.1	134.7	150.4	156.4	155.2
80°	20.5	21.7	24.8	29.0	35.6	45.3	56.8	67.6	77.3	78.5	85.2
82.5°	10.9	12.1	13.3	15.7	19.3	24.2	33.2	39.9	45.9	47.1	52.5
85°	4.2	4.8	5.4	6.0	8.5	10.3	13.9	18.7	23.0	23.0	27.2
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	3.0	4.2	4.2	7.2
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°	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4
2.5°	1328.7	1311.2	1303.3	1290.7	1280.4	1268.9	1259.9	1253.2	1249.0	1246.6	1244.2
5°	1350.5	1323.9	1302.7	1277.4	1259.9	1243.0	1229.1	1219.4	1214.6	1210.9	1208.5
7.5°	1384.3	1348.6	1308.8	1269.5	1238.7	1211.5	1194.0	1183.8	1177.1	1174.7	1172.9
10°	1430.8	1381.3	1315.4	1253.2	1207.3	1177.7	1165.6	1160.8	1161.4	1160.2	1159.6
12.5°	1483.3	1415.7	1313.6	1224.2	1173.5	1156.0	1156.6	1164.4	1173.5	1175.9	1176.5
15°	1540.1	1449.5	1296.1	1186.8	1146.9	1148.7	1164.4	1183.2	1200.1	1206.7	1207.9
17.5°	1601.7	1477.9	1264.1	1145.7	1125.2	1144.5	1173.5	1204.3	1229.1	1239.9	1243.0
20°	1670.6	1502.1	1218.8	1105.2	1104.6	1136.7	1178.9	1219.4	1250.8	1265.3	1267.7
22.5°	1743.6	1517.1	1163.2	1067.8	1083.5	1126.4	1174.7	1217.0	1250.2	1264.7	1267.7
25°	1817.3	1522.0	1102.2	1033.4	1061.8	1110.1	1154.2	1188.0	1219.4	1232.1	1234.5
27.5°	1886.2	1508.1	1044.2	1003.8	1041.8	1085.9	1115.5	1133.6	1155.4	1165.0	1166.9
30°	1956.2	1480.3	995.3	980.2	1019.5	1052.7	1066.0	1067.2	1075.7	1075.7	1076.9
32.5°	2026.9	1439.2	952.4	957.3	991.7	1013.4	1015.3	1001.4	991.1	974.2	973.6
35°	2108.4	1397.6	917.4	931.3	959.1	972.4	966.9	940.4	915.6	887.8	886.6
37.5°	2183.9	1354.7	887.8	904.7	922.2	931.9	919.2	887.2	866.7	838.3	834.1
40°	2246.1	1316.0	859.4	877.0	885.4	893.9	873.3	847.4	850.4	834.7	834.1
42.5°	2282.4	1278.6	832.9	846.1	851.6	857.6	839.5	820.2	836.5	824.4	825.0
45°	2308.9	1246.0	808.7	813.5	826.8	835.9	819.0	797.2	800.9	754.3	743.5
47.5°	2339.1	1227.9	785.8	780.9	804.5	820.2	794.2	762.8	741.1	695.2	690.9
50°	2371.2	1221.2	761.6	748.3	776.7	791.8	761.6	722.3	694.0	669.2	666.8
52.5°	2382.0	1220.6	731.4	709.0	737.4	758.6	733.2	693.3	659.5	635.4	634.2
55°	2424.9	1238.1	692.7	655.3	681.9	725.4	706.6	649.3	622.1	611.2	610.0
57.5°	2475.0	1241.1	631.7	596.7	633.6	684.9	661.3	611.8	582.2	568.9	567.7
60°	2454.5	1166.9	566.5	552.0	592.5	646.8	625.1	582.2	547.8	535.1	533.9
62.5°	1870.5	823.8	518.8	513.4	548.4	591.9	587.7	543.0	510.3	501.3	500.1
65°	1125.2	578.6	472.9	472.3	497.1	538.7	544.2	507.9	473.5	460.8	460.8
67.5°	556.2	442.7	421.0	417.9	433.6	463.2	486.2	456.6	427.6	415.5	413.7
70°	393.2	390.2	382.9	374.5	377.5	389.6	399.2	374.5	343.7	331.6	329.2
72.5°	340.0	340.6	335.8	329.2	326.7	318.3	309.8	291.7	273.0	260.3	261.5
75°	263.9	265.1	268.2	265.7	259.1	250.0	241.0	218.0	202.9	190.9	188.4
77.5°	154.0	160.0	169.7	167.3	168.5	155.8	152.2	129.9	116.0	107.5	105.7
80°	87.0	90.6	94.8	97.8	94.2	88.8	80.9	68.9	64.6	58.6	57.4
82.5°	52.5	56.2	58.0	60.4	59.2	51.9	45.9	38.0	34.4	31.4	30.8
85°	26.6	29.0	30.8	32.0	28.4	23.6	21.1	16.9	14.5	12.7	12.7
87.5°	6.6	7.2	8.5	7.2	6.6	3.0	2.4	0.6	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)