

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: P632125

Luminaire Tested: GWS-SA2C-722-U-T4FT-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-722-U-T4FT-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

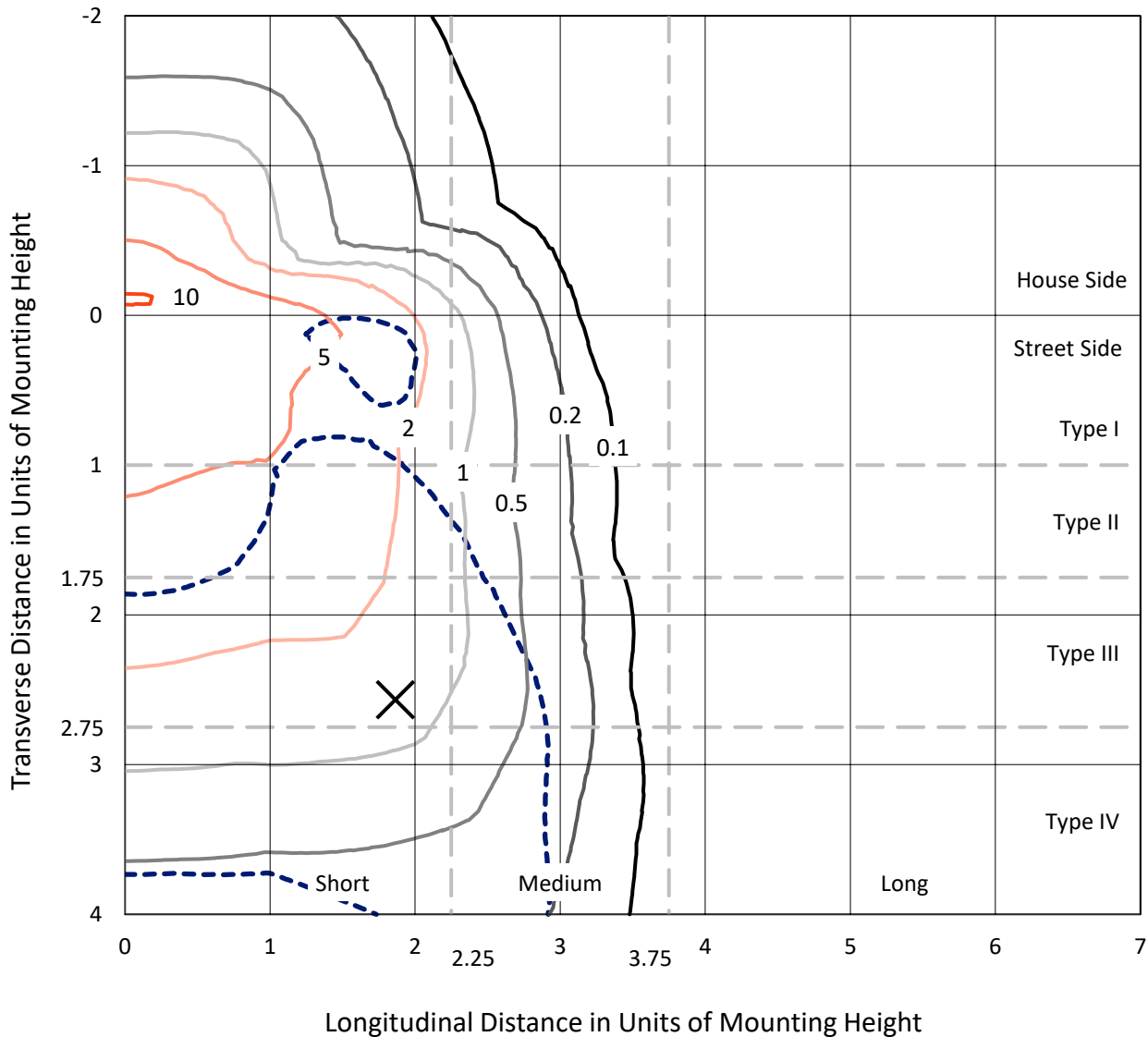
Lumens per Lamp: N/A  
Luminaire Lumens: 6585 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

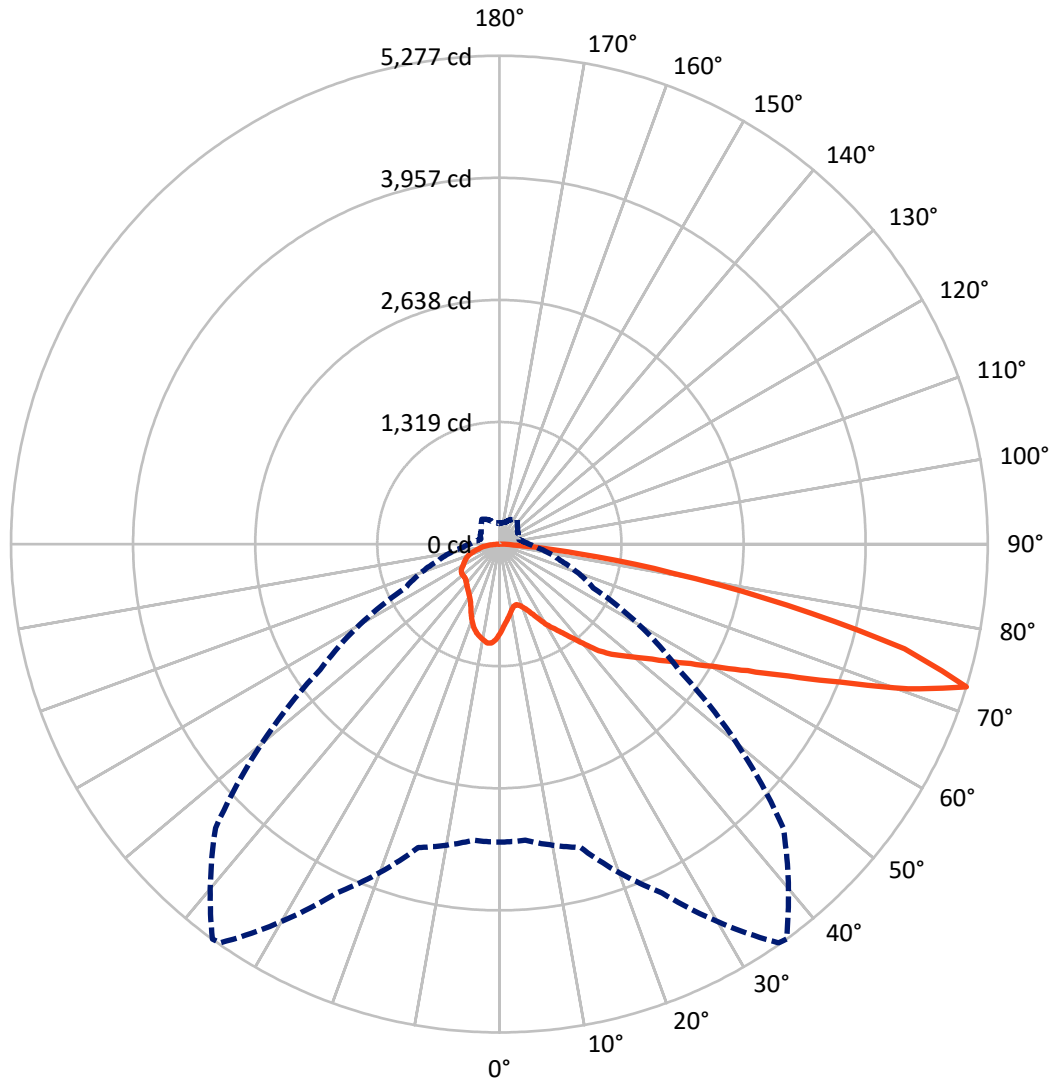
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1518.1	0.0	1518.1
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	5066.9	0.0	5066.9
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	6585.0	0.0	6585.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	1.4
10°-20°	254.2	3.9
20°-30°	420.9	6.4
30°-40°	630.4	9.6
40°-50°	919.7	14.0
50°-60°	1308.9	19.9
60°-70°	1653.8	25.1
70°-80°	1178.4	17.9
80°-90°	128.6	2.0
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°	6585.0	100.0
0°-180°	6585.0	100.0

**Coefficient of Utilization**



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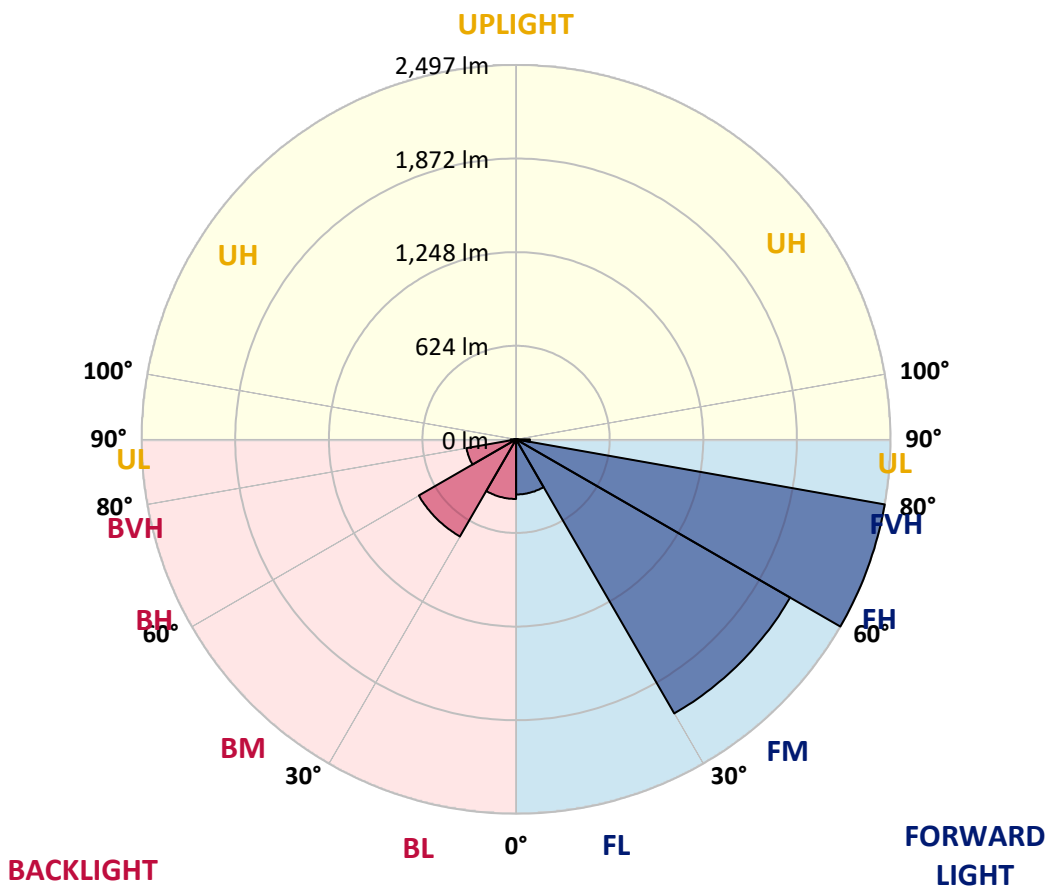
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.6	5.6			
FM (30°-60°)	2110.3	32.0			
FH (60°-80°)	2496.6	37.9			G2/5000
FVH (80°-90°)	92.3	1.4			G1/100
BL (0°-30°)	397.5	6.0	B1/500		
BM (30°-60°)	748.7	11.4	B1/1000		
BH (60°-80°)	335.6	5.1	B1/500		G1/500
BVH (80°-90°)	36.3	0.6			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7
2.5°	879.2	877.7	874.8	883.6	892.4	891.4	903.6	915.4	928.1	941.3	958.9
5°	808.8	807.8	805.4	818.6	831.8	831.3	851.3	870.4	896.3	924.6	959.8
7.5°	738.4	736.0	739.4	756.0	774.6	776.6	803.9	835.2	872.8	915.4	965.2
10°	676.4	675.9	677.4	695.9	723.8	725.7	760.9	804.4	854.3	911.0	977.4
12.5°	660.3	659.3	655.4	664.7	685.7	688.6	727.2	780.5	841.6	913.4	994.0
15°	686.6	684.2	670.5	666.1	676.4	678.8	711.6	766.3	834.2	917.8	1015.1
17.5°	732.1	730.6	704.7	686.6	693.5	695.4	719.9	763.9	832.3	926.6	1041.0
20°	798.6	792.2	751.6	724.3	724.3	727.2	741.9	774.6	834.7	937.4	1070.3
22.5°	886.5	873.8	816.6	779.5	769.7	773.6	780.0	801.5	845.0	955.4	1106.9
25°	985.2	973.5	905.6	853.3	839.6	841.1	835.7	839.6	867.5	980.4	1152.4
27.5°	1090.3	1082.5	1010.2	943.7	922.2	922.2	903.1	893.9	898.7	1008.7	1203.2
30°	1184.2	1173.4	1112.3	1039.5	1011.1	1011.1	975.0	954.9	943.2	1043.4	1271.1
32.5°	1233.5	1227.2	1186.6	1130.9	1096.2	1090.8	1059.5	1036.1	1008.7	1094.7	1363.0
35°	1298.0	1296.6	1272.1	1228.6	1184.6	1176.8	1155.3	1136.7	1089.3	1158.7	1485.2
37.5°	1379.2	1376.7	1372.8	1346.9	1294.1	1292.6	1273.6	1251.1	1189.5	1251.1	1633.3
40°	1470.1	1465.7	1460.8	1460.3	1428.5	1423.1	1421.7	1396.3	1310.2	1362.5	1787.7
42.5°	1595.2	1580.0	1534.1	1554.6	1578.1	1573.2	1591.7	1553.6	1460.8	1495.0	1933.8
45°	1749.1	1712.0	1621.1	1626.9	1686.1	1695.8	1760.3	1751.1	1626.4	1647.9	2087.8
47.5°	1841.5	1809.2	1724.7	1719.8	1793.6	1805.8	1946.1	1963.7	1804.8	1832.2	2277.9
50°	1917.2	1894.7	1825.3	1832.2	1910.4	1922.6	2130.3	2167.9	1972.9	2020.8	2498.8
52.5°	2008.6	1976.4	1922.6	1954.9	2050.6	2065.3	2335.1	2375.6	2124.4	2228.0	2727.5
55°	2059.9	2046.7	2047.7	2097.1	2217.3	2237.3	2549.6	2542.8	2263.2	2405.5	2899.5
57.5°	2178.2	2173.3	2218.3	2236.8	2411.8	2437.7	2764.2	2705.5	2389.3	2542.8	2982.1
60°	2386.9	2374.7	2413.8	2442.1	2652.3	2688.9	3003.6	2864.8	2474.8	2644.9	2954.3
62.5°	2680.1	2665.0	2666.4	2711.4	2974.3	3012.9	3270.0	2997.8	2501.2	2660.6	2777.9
65°	3044.7	3022.7	2997.8	3058.9	3401.9	3434.2	3559.8	3094.5	2438.2	2510.0	2409.4
67.5°	3429.3	3411.2	3381.9	3509.9	3955.7	3975.2	3884.8	3086.2	2238.3	2107.3	1690.0
70°	3451.8	3456.2	3595.0	4058.3	4678.5	4683.3	4192.2	2919.1	1812.6	1366.0	842.1
72.5°	3220.1	3212.8	3393.6	4158.5	5260.0	5276.6	4337.3	2364.9	1120.1	681.3	394.9
75°	2615.6	2628.3	2818.4	3638.5	4508.4	4523.0	3535.8	1394.3	532.2	333.3	252.7
77.5°	1126.0	1196.9	1571.7	2563.3	3228.9	3183.5	1822.4	565.0	283.9	237.5	193.5
80°	325.0	352.9	560.1	1218.9	1934.8	1900.6	721.3	211.6	197.9	178.4	138.8
82.5°	105.1	116.3	205.3	485.3	867.0	866.0	273.7	125.1	129.5	121.2	89.4
85°	29.3	33.7	63.0	147.1	268.3	262.9	79.2	59.1	68.9	69.9	44.5
87.5°	0.0	0.0	0.5	1.0	1.0	1.0	2.0	8.8	20.0	25.4	18.1
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°	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7
2.5°	969.6	968.1	988.2	1003.8	1018.5	1028.3	1031.2	1033.1	1037.1	1039.0	1037.1
5°	976.5	983.8	1017.0	1041.4	1061.0	1072.7	1073.2	1072.2	1075.2	1072.7	1071.3
7.5°	991.1	1005.3	1047.3	1073.2	1085.9	1086.4	1074.7	1061.0	1054.2	1048.3	1046.3
10°	1010.7	1031.7	1077.6	1094.7	1090.8	1072.7	1046.8	1025.3	1013.1	1004.3	1002.4
12.5°	1037.5	1061.0	1104.5	1104.0	1079.6	1047.3	1017.0	991.1	973.5	963.3	959.8
15°	1063.0	1092.8	1124.0	1101.1	1062.5	1023.4	984.3	949.6	926.1	910.0	907.1
17.5°	1094.2	1126.0	1138.2	1091.8	1041.0	990.6	938.3	892.9	861.1	842.1	840.6
20°	1130.4	1158.7	1145.1	1075.7	1013.1	947.1	876.3	825.4	791.2	772.7	774.1
22.5°	1172.4	1193.0	1147.0	1053.7	974.5	885.5	806.4	757.5	734.5	724.8	725.3
25°	1217.4	1230.6	1143.6	1023.9	915.4	810.3	734.5	712.1	710.1	707.7	708.6
27.5°	1270.7	1267.7	1133.3	981.8	835.7	722.8	684.2	690.1	697.9	696.9	697.9
30°	1342.0	1314.2	1120.1	923.7	740.9	649.5	654.4	671.0	681.3	682.2	685.2
32.5°	1423.6	1365.5	1099.1	844.5	650.5	608.4	626.5	646.6	658.8	661.2	665.1
35°	1520.9	1424.1	1062.0	745.8	585.5	584.0	600.6	614.3	627.5	628.5	628.5
37.5°	1632.8	1482.8	1002.8	636.8	545.4	563.0	578.6	581.6	585.0	582.1	583.5
40°	1735.4	1539.4	918.8	537.6	512.7	544.4	557.6	547.8	537.1	529.8	531.2
42.5°	1821.4	1578.1	807.4	468.2	479.4	527.8	538.1	518.0	497.0	483.3	485.3
45°	1918.2	1613.7	676.4	421.3	451.1	516.1	522.9	497.0	470.1	449.6	446.7
47.5°	2051.6	1686.6	560.1	388.5	431.0	509.7	521.0	485.8	450.6	419.8	416.4
50°	2216.3	1789.7	462.8	367.0	421.8	506.3	520.5	473.6	431.5	395.4	392.9
52.5°	2396.2	1890.3	391.0	350.4	412.5	496.0	518.0	459.9	411.5	372.4	369.5
55°	2515.9	1929.9	342.6	334.8	397.3	479.9	508.3	446.7	381.2	345.5	341.1
57.5°	2551.1	1879.1	308.9	320.6	377.8	457.4	489.7	418.8	362.6	334.3	330.9
60°	2490.5	1751.1	287.9	308.9	356.3	428.6	457.4	402.7	348.0	322.6	320.1
62.5°	2319.4	1553.6	271.7	296.6	334.3	398.3	436.9	383.2	331.8	311.8	308.4
65°	1975.4	1274.1	258.5	283.9	313.3	369.5	414.4	363.6	314.2	299.1	295.2
67.5°	1381.6	894.8	244.4	268.8	292.3	341.6	391.0	345.5	296.2	284.9	281.0
70°	675.4	474.5	227.3	251.2	269.8	313.3	367.5	323.5	272.2	265.9	260.5
72.5°	321.6	265.4	207.2	227.3	239.0	275.6	328.4	291.8	243.9	230.2	220.9
75°	215.5	188.6	180.8	198.9	201.8	231.2	281.5	251.7	215.0	199.4	191.6
77.5°	163.2	144.2	152.0	168.1	162.3	190.1	231.7	224.3	194.0	179.8	175.9
80°	114.8	105.1	120.7	130.5	126.1	161.8	208.7	192.1	159.8	144.2	141.2
82.5°	72.3	70.4	88.9	90.4	91.9	128.0	171.5	151.0	124.1	102.1	94.8
85°	36.2	40.1	53.3	53.3	52.8	66.0	97.7	85.0	67.0	53.3	51.8
87.5°	12.2	17.1	23.0	18.6	14.2	11.2	12.7	15.6	16.6	16.1	16.1
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)