

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: P630412

Luminaire Tested: GWS-SA1D-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5294.1 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

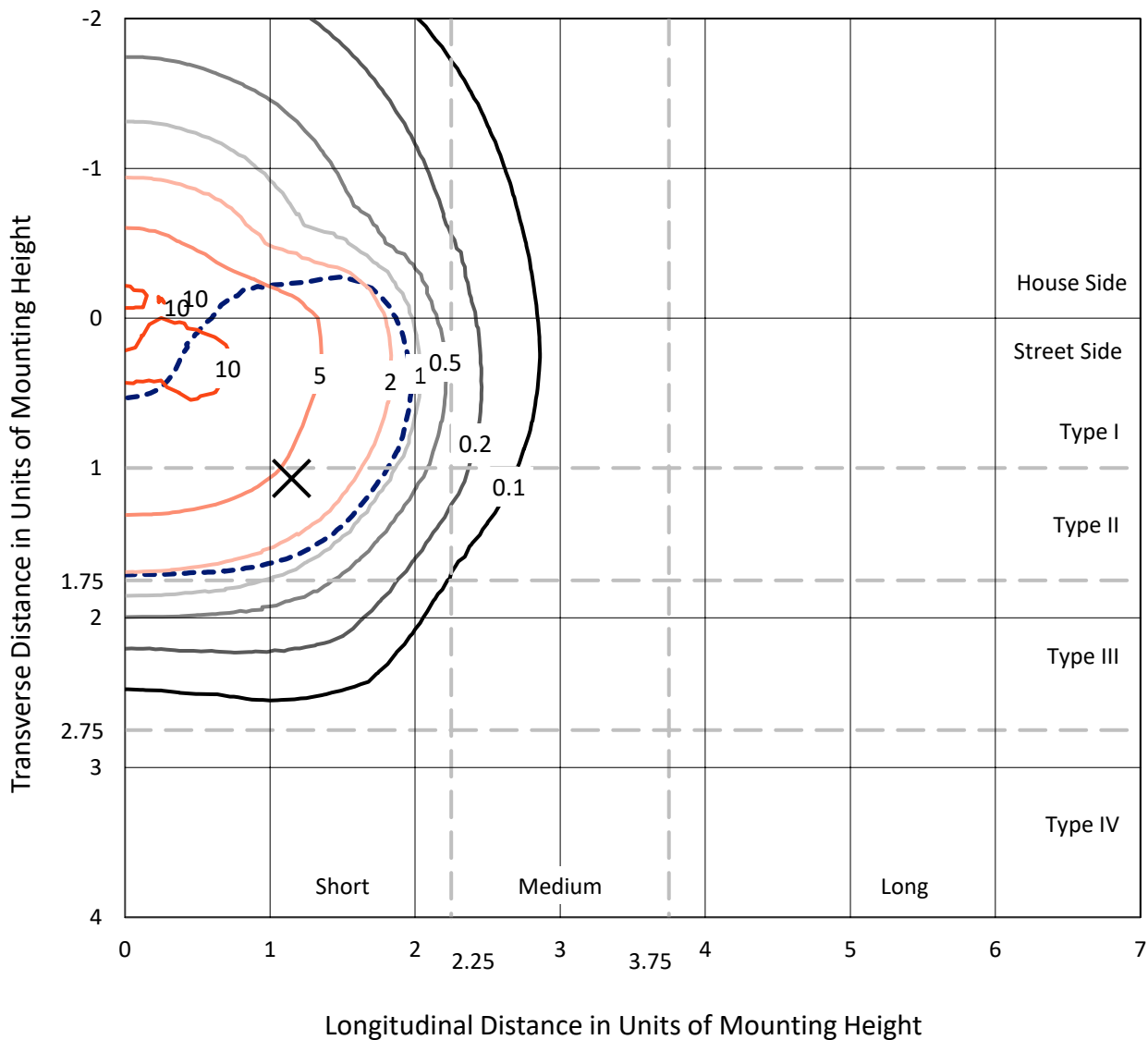
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

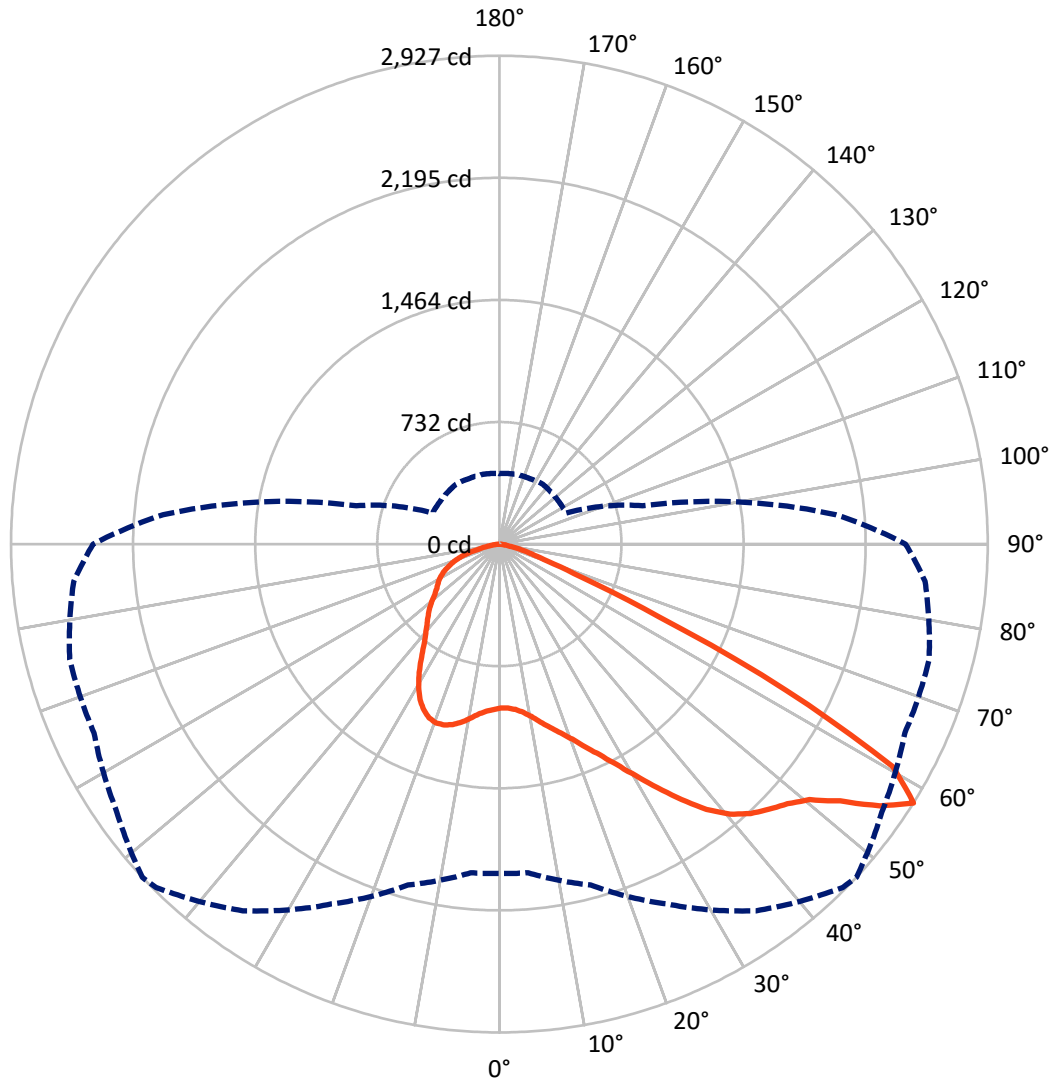
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1675.6	0.0	1675.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	3618.5	0.0	3618.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	5294.1	0.0	5294.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	1.8
10°-20°	318.5	6.0
20°-30°	573.5	10.8
30°-40°	866.2	16.4
40°-50°	1166.4	22.0
50°-60°	1401.6	26.5
60°-70°	682.6	12.9
70°-80°	168.2	3.2
80°-90°	20.2	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°	5294.1	100.0
0°-180°	5294.1	100.0

Coefficient of Utilization



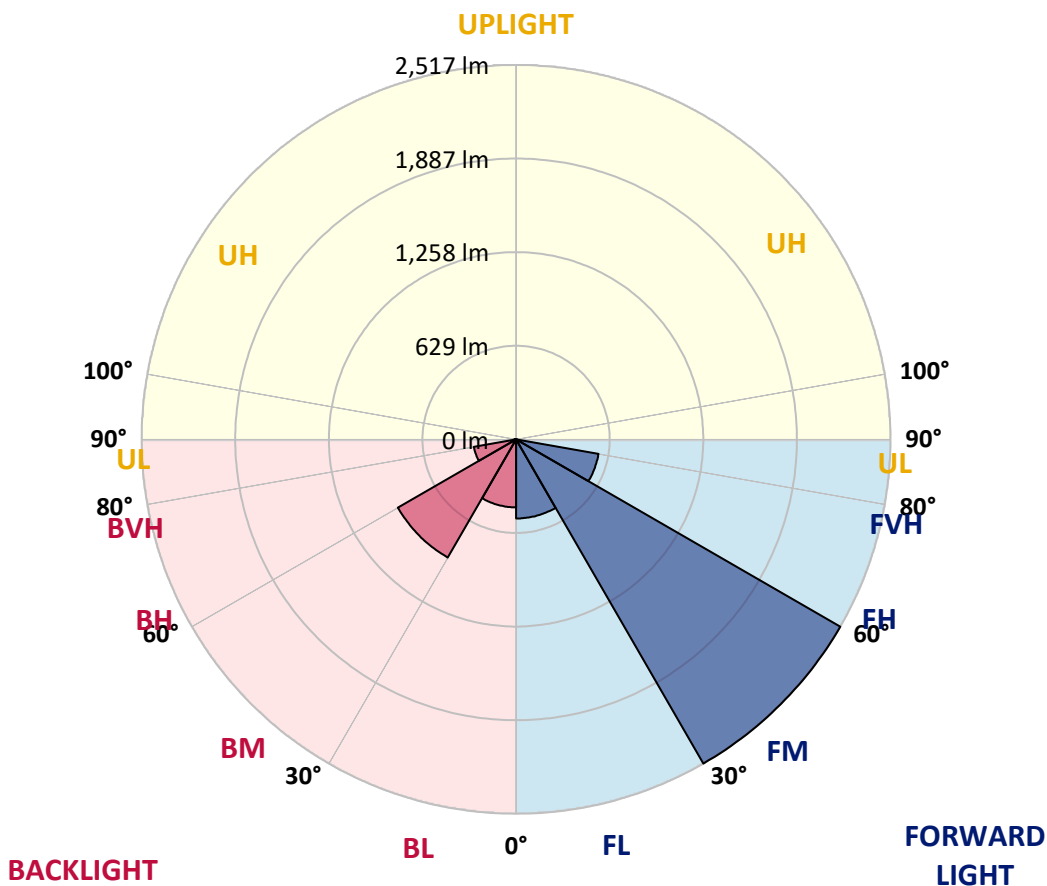
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.8	10.0			
FM (30°-60°)	2516.6	47.5			
FH (60°-80°)	562.6	10.6			G0/660
FVH (80°-90°)	7.6	0.1			G0/10
BL (0°-30°)	457.1	8.6	B1/500		
BM (30°-60°)	917.7	17.3	B1/1000		
BH (60°-80°)	288.2	5.4	B1/500		G1/500
BVH (80°-90°)	12.6	0.2			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°	47°	55°	65°	75°	85°
0°	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8
2.5°	980.0	979.6	979.6	982.2	982.2	983.1	984.5	985.8	986.2	984.0	979.1
5°	990.7	990.7	990.7	992.9	992.9	993.8	995.6	996.0	995.6	992.0	987.1
7.5°	1007.6	1007.6	1008.0	1010.7	1012.9	1014.3	1017.4	1016.9	1015.6	1009.8	1003.6
10°	1035.2	1036.5	1037.8	1040.9	1045.4	1048.5	1050.7	1050.7	1048.9	1040.0	1032.0
12.5°	1074.3	1076.1	1077.4	1080.1	1083.6	1089.0	1093.9	1093.9	1091.6	1080.5	1068.5
15°	1120.1	1121.9	1121.4	1122.3	1129.0	1136.5	1140.5	1143.2	1144.1	1128.5	1109.9
17.5°	1172.6	1174.3	1172.6	1169.9	1170.8	1182.8	1189.9	1199.7	1205.5	1184.6	1154.8
20°	1220.1	1218.4	1218.4	1220.1	1222.8	1237.5	1248.1	1264.2	1271.3	1245.9	1199.7
22.5°	1270.4	1274.4	1272.6	1272.6	1283.3	1307.7	1320.6	1341.5	1349.1	1316.2	1253.9
25°	1335.3	1338.9	1338.0	1338.9	1351.3	1386.0	1398.9	1437.6	1445.1	1398.0	1314.0
27.5°	1406.4	1412.2	1414.9	1414.0	1434.0	1479.4	1495.4	1549.2	1563.0	1489.6	1378.0
30°	1498.9	1505.2	1507.4	1506.5	1530.1	1591.9	1610.1	1671.5	1691.0	1598.1	1459.4
32.5°	1606.1	1612.3	1619.0	1621.7	1651.9	1715.0	1741.3	1804.9	1832.9	1723.5	1557.6
35°	1712.4	1717.7	1730.6	1751.5	1792.8	1857.3	1880.4	1943.1	1970.3	1853.8	1676.3
37.5°	1829.8	1833.3	1844.4	1873.3	1932.9	1994.3	2017.4	2077.4	2080.5	1979.6	1810.6
40°	1958.3	1958.3	1956.0	1984.5	2046.7	2108.6	2128.6	2163.2	2145.0	2076.5	1941.4
42.5°	2067.2	2065.4	2067.2	2093.9	2140.1	2190.4	2207.7	2201.0	2177.9	2150.8	2059.6
45°	2165.5	2166.8	2182.8	2203.3	2227.3	2257.1	2267.3	2229.5	2208.6	2210.4	2154.4
47.5°	2232.2	2233.5	2270.9	2305.1	2319.8	2329.1	2324.7	2272.2	2261.5	2281.5	2227.3
50°	2241.1	2248.2	2312.7	2382.9	2419.4	2420.7	2408.3	2344.2	2341.1	2363.8	2266.4
52.5°	2242.8	2250.0	2330.4	2457.2	2551.9	2571.9	2557.7	2491.0	2458.5	2435.8	2314.4
55°	2236.2	2244.2	2333.1	2507.0	2688.4	2768.4	2769.8	2675.5	2571.9	2556.8	2451.4
57.5°	1974.3	1977.4	2115.2	2380.2	2683.0	2909.8	2927.2	2799.1	2680.8	2666.6	2561.2
60°	1375.3	1387.8	1537.6	1887.6	2254.0	2653.7	2709.7	2672.4	2593.2	2489.6	2197.5
62.5°	688.8	699.4	849.7	1180.6	1554.5	1870.2	1930.2	1969.8	1988.5	1877.3	1496.3
65°	296.6	304.6	398.0	616.7	880.0	1032.5	1053.4	1101.0	1217.5	1086.3	806.2
67.5°	198.3	203.7	251.2	376.2	518.5	528.3	525.1	535.4	560.7	462.9	364.2
70°	152.1	156.5	188.5	275.7	372.6	318.8	301.9	273.9	297.5	303.3	295.3
72.5°	110.3	113.8	137.8	188.1	233.4	203.7	201.0	215.2	247.2	256.1	251.2
75°	71.1	72.9	87.6	103.2	120.5	130.7	136.1	161.9	194.3	201.0	195.2
77.5°	47.6	48.9	57.4	66.3	68.5	68.9	70.7	82.3	104.5	116.9	115.6
80°	24.9	24.9	28.0	28.0	32.0	38.2	40.0	47.6	57.8	64.0	64.5
82.5°	9.8	10.2	12.0	13.3	16.0	19.6	20.9	24.9	30.2	34.7	38.7
85°	4.0	4.4	4.9	5.8	7.1	8.9	9.3	10.7	14.2	17.8	20.0
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	1.3	1.8	2.2	4.0	5.3
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°	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8	981.8
2.5°	984.9	979.1	984.9	986.7	991.6	993.4	990.2	989.8	989.8	985.4	984.0
5°	991.6	986.2	992.0	994.7	1001.8	1006.3	1007.1	1010.7	1012.9	1011.1	1010.7
7.5°	1008.0	1001.4	1007.6	1011.6	1020.9	1028.0	1031.2	1039.2	1044.9	1044.1	1043.6
10°	1036.9	1028.0	1035.2	1041.8	1052.1	1060.5	1060.9	1065.4	1071.2	1069.4	1068.5
12.5°	1070.3	1061.8	1069.8	1076.5	1088.5	1092.1	1086.3	1084.5	1085.4	1083.2	1081.4
15°	1111.2	1099.2	1106.3	1113.9	1120.5	1116.5	1104.1	1099.2	1098.7	1095.6	1093.9
17.5°	1152.1	1137.0	1142.3	1146.3	1143.2	1130.8	1115.2	1106.7	1102.7	1096.5	1094.7
20°	1192.6	1173.4	1172.6	1169.4	1155.2	1132.5	1111.6	1094.7	1084.5	1076.1	1073.0
22.5°	1238.8	1212.1	1198.8	1184.6	1153.4	1116.5	1085.0	1060.9	1044.5	1033.8	1030.3
25°	1288.6	1250.8	1223.2	1194.8	1135.6	1082.3	1038.3	1005.4	985.8	974.2	970.2
27.5°	1338.0	1285.9	1244.6	1196.1	1100.1	1032.9	973.8	929.3	909.8	900.4	897.3
30°	1404.7	1332.6	1269.9	1178.8	1053.4	964.5	890.6	845.7	832.8	826.2	823.5
32.5°	1481.6	1391.8	1303.7	1142.3	993.8	884.4	806.6	775.5	766.6	753.7	753.2
35°	1583.0	1476.3	1335.7	1088.5	918.7	798.6	742.1	719.9	703.9	683.4	681.7
37.5°	1701.3	1581.6	1353.1	1020.0	831.1	727.9	694.1	669.2	643.4	616.3	612.7
40°	1823.5	1704.8	1354.4	939.1	745.2	681.2	652.8	620.3	588.3	558.0	554.0
42.5°	1952.0	1819.5	1330.9	845.7	675.0	640.7	611.8	570.9	534.9	514.5	512.2
45°	2066.8	1912.0	1277.5	747.5	623.0	607.0	570.0	526.0	506.9	492.2	489.1
47.5°	2157.0	1973.4	1205.5	659.4	580.7	572.3	524.2	501.6	486.9	473.6	470.4
50°	2201.5	1987.2	1111.6	587.8	541.6	531.4	498.5	481.1	471.3	460.7	458.0
52.5°	2256.6	2002.7	1030.7	527.8	503.3	489.6	477.1	463.3	456.2	449.5	447.3
55°	2383.4	2061.4	988.0	479.8	466.9	460.7	458.9	447.3	445.1	440.7	436.7
57.5°	2434.9	2023.6	887.1	440.7	438.0	438.9	443.3	432.6	430.4	425.1	422.4
60°	1958.3	1529.6	600.7	406.9	414.0	419.8	424.2	413.5	410.4	409.5	406.0
62.5°	1254.8	940.9	419.3	375.3	386.0	393.1	395.7	385.5	383.3	390.4	390.9
65°	653.2	512.7	340.2	341.5	350.4	361.1	366.4	362.8	361.9	369.5	370.0
67.5°	333.5	313.5	296.6	301.5	308.6	322.4	334.8	350.4	355.7	356.6	357.1
70°	284.1	275.2	266.8	269.9	277.5	285.0	297.0	304.6	295.7	293.5	292.6
72.5°	241.9	235.2	231.2	234.8	238.8	237.4	233.9	237.4	238.8	239.2	239.7
75°	188.1	183.2	180.1	180.5	180.5	175.6	169.0	165.0	160.5	157.0	157.0
77.5°	115.2	116.1	119.2	118.7	118.3	116.5	109.8	106.3	95.6	92.5	92.5
80°	65.8	67.1	70.3	71.1	71.1	68.9	62.3	58.2	53.4	51.1	50.7
82.5°	40.0	41.8	43.6	44.5	44.9	42.2	36.5	33.3	30.7	28.5	28.5
85°	20.9	21.8	23.6	24.0	22.7	20.0	16.9	15.6	12.9	12.5	12.5
87.5°	5.8	6.2	7.1	5.8	5.3	4.0	2.2	1.8	0.9	0.4	0.4
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)