

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: P631127

Luminaire Tested: GWS-SA1F-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631127  
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-SA1F-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

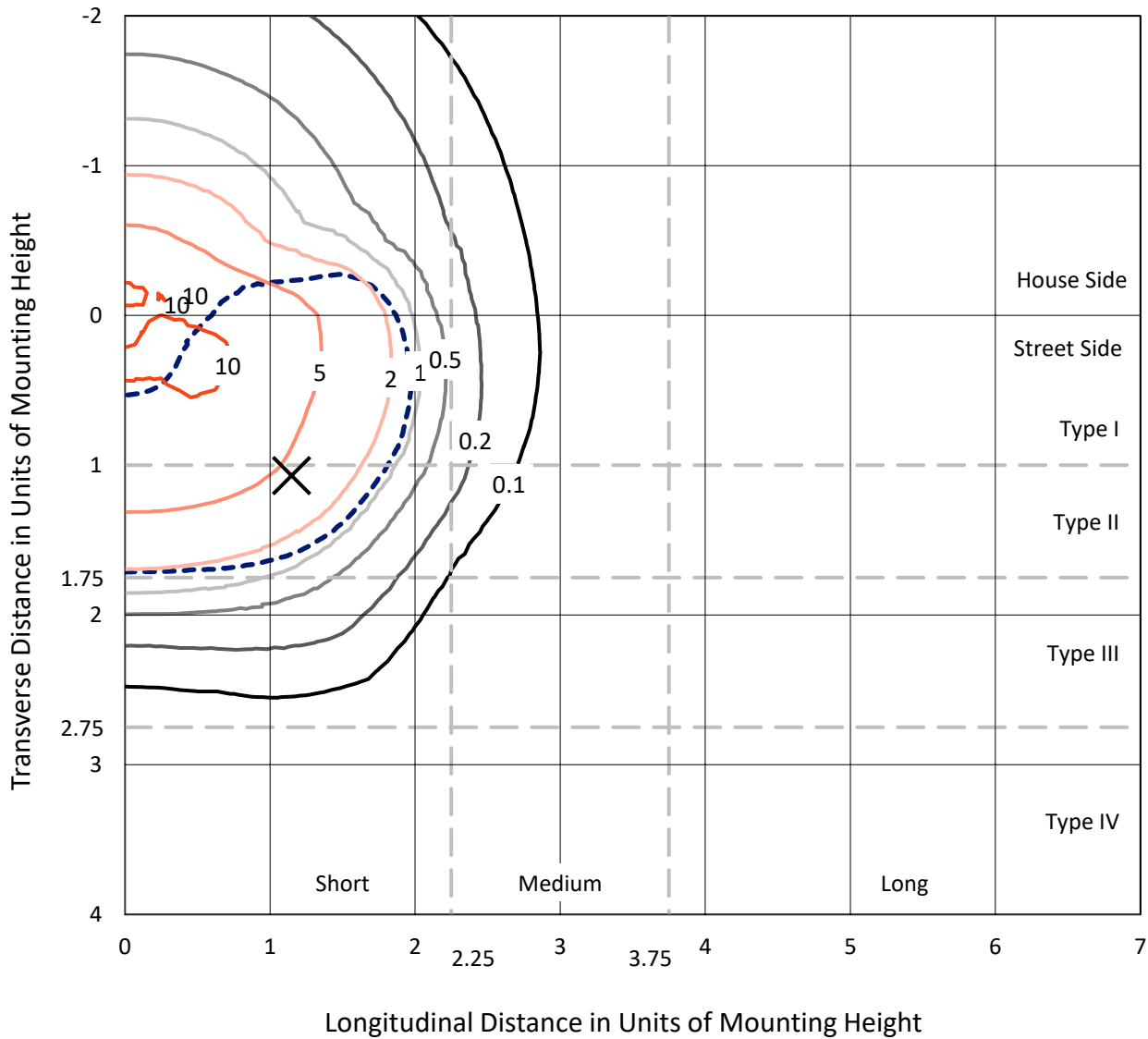
Lumens per Lamp: N/A  
Luminaire Lumens: 5296.7 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

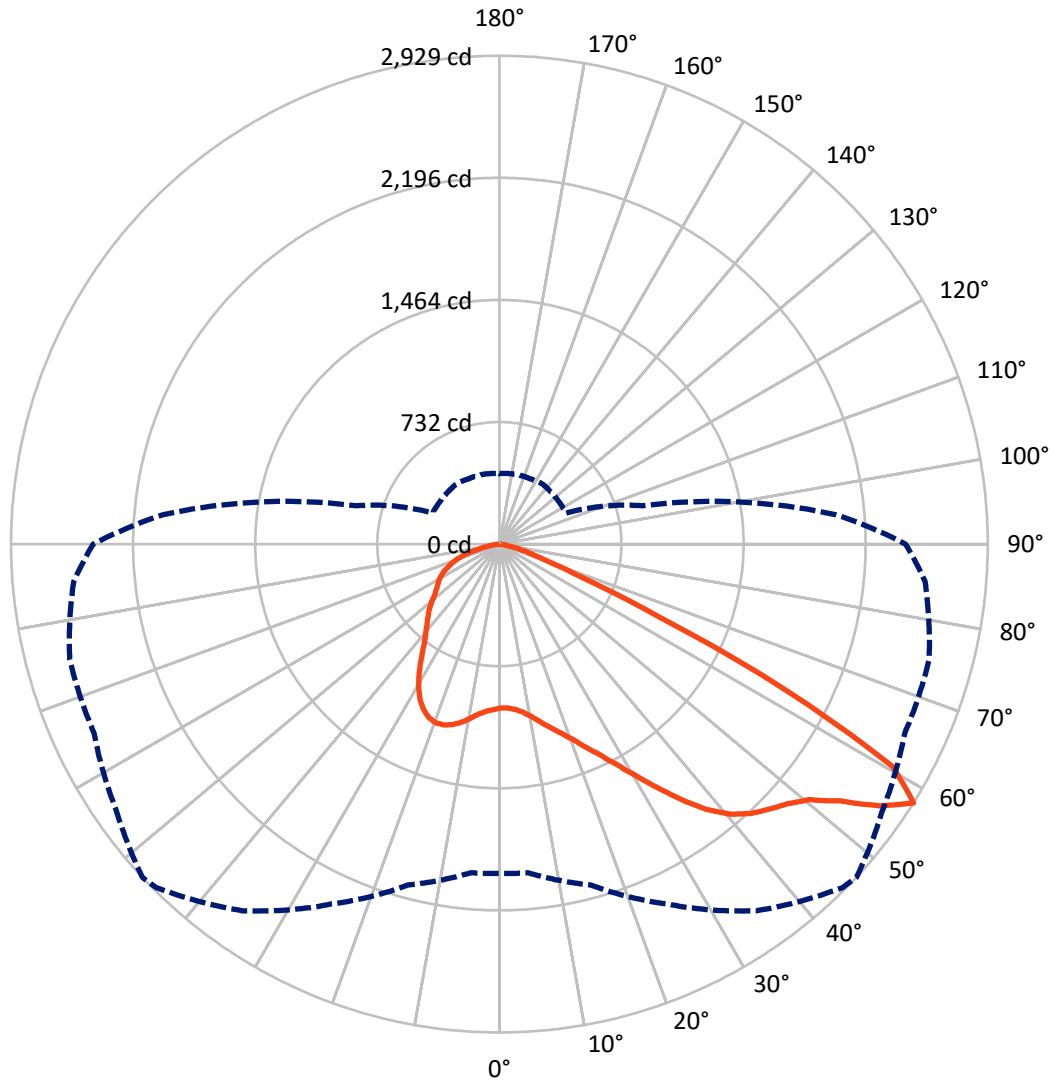
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	1676.4	0.0	1676.4
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	3620.3	0.0	3620.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	5296.7	0.0	5296.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	1.8
10°-20°	318.7	6.0
20°-30°	573.8	10.8
30°-40°	866.6	16.4
40°-50°	1167.0	22.0
50°-60°	1402.3	26.5
60°-70°	683.0	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°	5296.7	100.0
0°-180°	5296.7	100.0

**Coefficient of Utilization**



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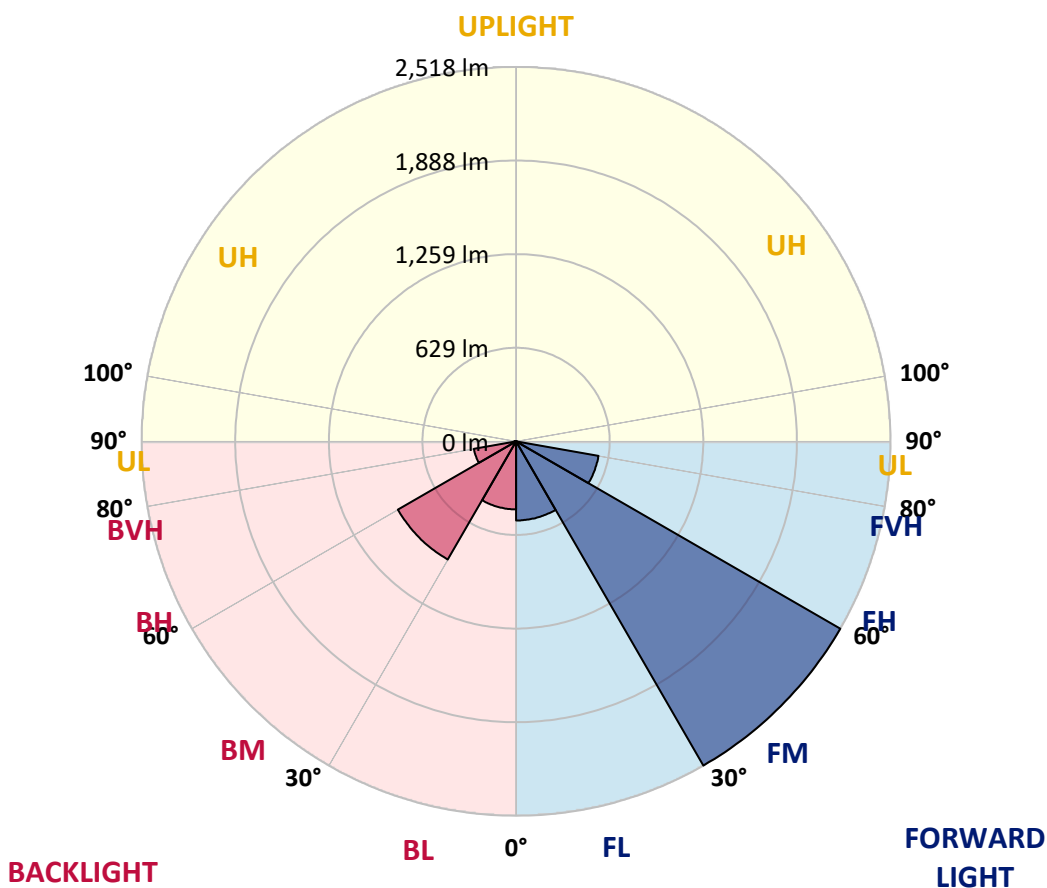
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.0	10.0			
FM (30°-60°)	2517.8	47.5			
FH (60°-80°)	562.9	10.6			G0/660
FVH (80°-90°)	7.6	0.1			G0/10
BL (0°-30°)	457.3	8.6	B1/500		
BM (30°-60°)	918.2	17.3	B1/1000		
BH (60°-80°)	288.3	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°	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3
2.5°	980.5	980.1	980.1	982.7	982.7	983.6	984.9	986.3	986.7	984.5	979.6
5°	991.2	991.2	991.2	993.4	993.4	994.3	996.1	996.5	996.1	992.5	987.6
7.5°	1008.1	1008.1	1008.5	1011.2	1013.4	1014.8	1017.9	1017.4	1016.1	1010.3	1004.1
10°	1035.7	1037.0	1038.3	1041.4	1045.9	1049.0	1051.2	1051.2	1049.5	1040.6	1032.6
12.5°	1074.8	1076.6	1077.9	1080.6	1084.2	1089.5	1094.4	1094.4	1092.2	1081.0	1069.0
15°	1120.6	1122.4	1122.0	1122.9	1129.5	1137.1	1141.1	1143.8	1144.7	1129.1	1110.4
17.5°	1173.1	1174.9	1173.1	1170.5	1171.4	1183.4	1190.5	1200.3	1206.1	1185.1	1155.3
20°	1220.7	1219.0	1219.0	1220.7	1223.4	1238.1	1248.8	1264.8	1271.9	1246.5	1200.3
22.5°	1271.0	1275.0	1273.2	1273.2	1283.9	1308.4	1321.3	1342.2	1349.7	1316.8	1254.5
25°	1336.0	1339.5	1338.6	1339.5	1352.0	1386.7	1399.6	1438.3	1445.8	1398.7	1314.6
27.5°	1407.1	1412.9	1415.6	1414.7	1434.7	1480.1	1496.1	1549.9	1563.7	1490.3	1378.7
30°	1499.7	1505.9	1508.1	1507.2	1530.8	1592.6	1610.9	1672.3	1691.9	1598.9	1460.1
32.5°	1606.9	1613.1	1619.8	1622.5	1652.7	1715.9	1742.1	1805.7	1833.8	1724.3	1558.4
35°	1713.2	1718.5	1731.4	1752.4	1793.7	1858.2	1881.4	1944.1	1971.2	1854.7	1677.2
37.5°	1830.7	1834.2	1845.3	1874.3	1933.9	1995.3	2018.4	2078.4	2081.6	1980.6	1811.5
40°	1959.2	1959.2	1957.0	1985.5	2047.8	2109.6	2129.6	2164.3	2146.1	2077.6	1942.3
42.5°	2068.2	2066.4	2068.2	2094.9	2141.2	2191.4	2208.8	2202.1	2179.0	2151.9	2060.7
45°	2166.5	2167.9	2183.9	2204.3	2228.4	2258.2	2268.4	2230.6	2209.7	2211.5	2155.4
47.5°	2233.3	2234.6	2272.0	2306.2	2320.9	2330.2	2325.8	2273.3	2262.6	2282.6	2228.4
50°	2242.2	2249.3	2313.8	2384.1	2420.6	2421.9	2409.4	2345.4	2342.3	2364.9	2267.5
52.5°	2243.9	2251.1	2331.6	2458.4	2553.1	2573.1	2558.9	2492.2	2459.7	2437.0	2315.6
55°	2237.3	2245.3	2334.3	2508.2	2689.7	2769.8	2771.1	2676.8	2573.1	2558.0	2452.6
57.5°	1975.2	1978.4	2116.3	2381.4	2684.4	2911.3	2928.6	2800.5	2682.1	2667.9	2562.5
60°	1376.0	1388.5	1538.4	1888.5	2255.1	2655.0	2711.1	2673.7	2594.5	2490.8	2198.6
62.5°	689.1	699.8	850.2	1181.1	1555.3	1871.1	1931.2	1970.8	1989.5	1878.3	1497.0
65°	296.7	304.7	398.2	617.0	880.4	1033.0	1053.9	1101.5	1218.1	1086.8	806.6
67.5°	198.4	203.8	251.4	376.4	518.7	528.5	525.4	535.6	561.0	463.1	364.4
70°	152.1	156.6	188.6	275.8	372.8	319.0	302.1	274.0	297.6	303.4	295.4
72.5°	110.3	113.9	137.9	188.2	233.6	203.8	201.1	215.3	247.3	256.2	251.4
75°	71.2	73.0	87.6	103.2	120.6	130.8	136.1	161.9	194.4	201.1	195.3
77.5°	47.6	48.9	57.4	66.3	68.5	69.0	70.7	82.3	104.5	117.0	115.7
80°	24.9	24.9	28.0	28.0	32.0	38.3	40.0	47.6	57.8	64.1	64.5
82.5°	9.8	10.2	12.0	13.3	16.0	19.6	20.9	24.9	30.3	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°	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3
2.5°	985.4	979.6	985.4	987.2	992.1	993.8	990.7	990.3	990.3	985.8	984.5
5°	992.1	986.7	992.5	995.2	1002.3	1006.7	1007.6	1011.2	1013.4	1011.6	1011.2
7.5°	1008.5	1001.9	1008.1	1012.1	1021.4	1028.5	1031.7	1039.7	1045.5	1044.6	1044.1
10°	1037.4	1028.5	1035.7	1042.3	1052.6	1061.0	1061.5	1065.9	1071.7	1069.9	1069.0
12.5°	1070.8	1062.4	1070.4	1077.0	1089.1	1092.6	1086.8	1085.0	1085.9	1083.7	1081.9
15°	1111.7	1099.7	1106.8	1114.4	1121.1	1117.1	1104.6	1099.7	1099.3	1096.2	1094.4
17.5°	1152.7	1137.5	1142.9	1146.9	1143.8	1131.3	1115.7	1107.3	1103.3	1097.1	1095.3
20°	1193.2	1174.0	1173.1	1170.0	1155.8	1133.1	1112.2	1095.3	1085.0	1076.6	1073.5
22.5°	1239.4	1212.7	1199.4	1185.1	1154.0	1117.1	1085.5	1061.5	1045.0	1034.3	1030.8
25°	1289.2	1251.4	1223.8	1195.4	1136.2	1082.8	1038.8	1005.9	986.3	974.7	970.7
27.5°	1338.6	1286.6	1245.2	1196.7	1100.6	1033.4	974.3	929.8	910.2	900.9	897.8
30°	1405.4	1333.3	1270.6	1179.4	1053.9	964.9	891.1	846.1	833.2	826.6	823.9
32.5°	1482.3	1392.5	1304.4	1142.9	994.3	884.9	807.0	775.9	767.0	754.1	753.6
35°	1583.7	1477.0	1336.4	1089.1	919.1	799.0	742.5	720.3	704.2	683.8	682.0
37.5°	1702.1	1582.4	1353.8	1020.5	831.5	728.3	694.4	669.5	643.7	616.6	613.0
40°	1824.4	1705.6	1355.1	939.6	745.6	681.5	653.1	620.6	588.6	558.3	554.3
42.5°	1953.0	1820.4	1331.5	846.1	675.3	641.1	612.1	571.2	535.2	514.7	512.5
45°	2067.8	1913.0	1278.1	747.8	623.3	607.3	570.3	526.3	507.2	492.5	489.4
47.5°	2158.1	1974.3	1206.1	659.7	581.0	572.6	524.5	501.8	487.1	473.8	470.7
50°	2202.6	1988.1	1112.2	588.1	541.9	531.6	498.7	481.4	471.6	460.9	458.2
52.5°	2257.7	2003.7	1031.2	528.1	503.6	489.8	477.3	463.6	456.4	449.8	447.5
55°	2384.5	2062.4	988.5	480.0	467.1	460.9	459.1	447.5	445.3	440.9	436.9
57.5°	2436.1	2024.6	887.5	440.9	438.2	439.1	443.5	432.9	430.6	425.3	422.6
60°	1959.2	1530.4	601.0	407.1	414.2	420.0	424.4	413.7	410.6	409.7	406.2
62.5°	1255.4	941.4	419.5	375.5	386.2	393.3	395.9	385.7	383.5	390.6	391.0
65°	653.5	512.9	340.3	341.7	350.6	361.2	366.6	363.0	362.1	369.7	370.1
67.5°	333.7	313.6	296.7	301.6	308.7	322.5	335.0	350.6	355.9	356.8	357.2
70°	284.3	275.4	266.9	270.0	277.6	285.2	297.2	304.7	295.8	293.6	292.7
72.5°	242.0	235.3	231.3	234.9	238.9	237.6	234.0	237.6	238.9	239.3	239.8
75°	188.2	183.3	180.2	180.6	180.6	175.7	169.1	165.0	160.6	157.0	157.0
77.5°	115.2	116.1	119.2	118.8	118.3	116.6	109.9	106.3	95.6	92.5	92.5
80°	65.8	67.2	70.3	71.2	71.2	69.0	62.3	58.3	53.4	51.2	50.7
82.5°	40.0	41.8	43.6	44.5	44.9	42.3	36.5	33.4	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)