

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: P630357

Luminaire Tested: GWS-SA1D-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630357
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5175.5 lumens
Efficiency: N/A
Efficacy: 116.8 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

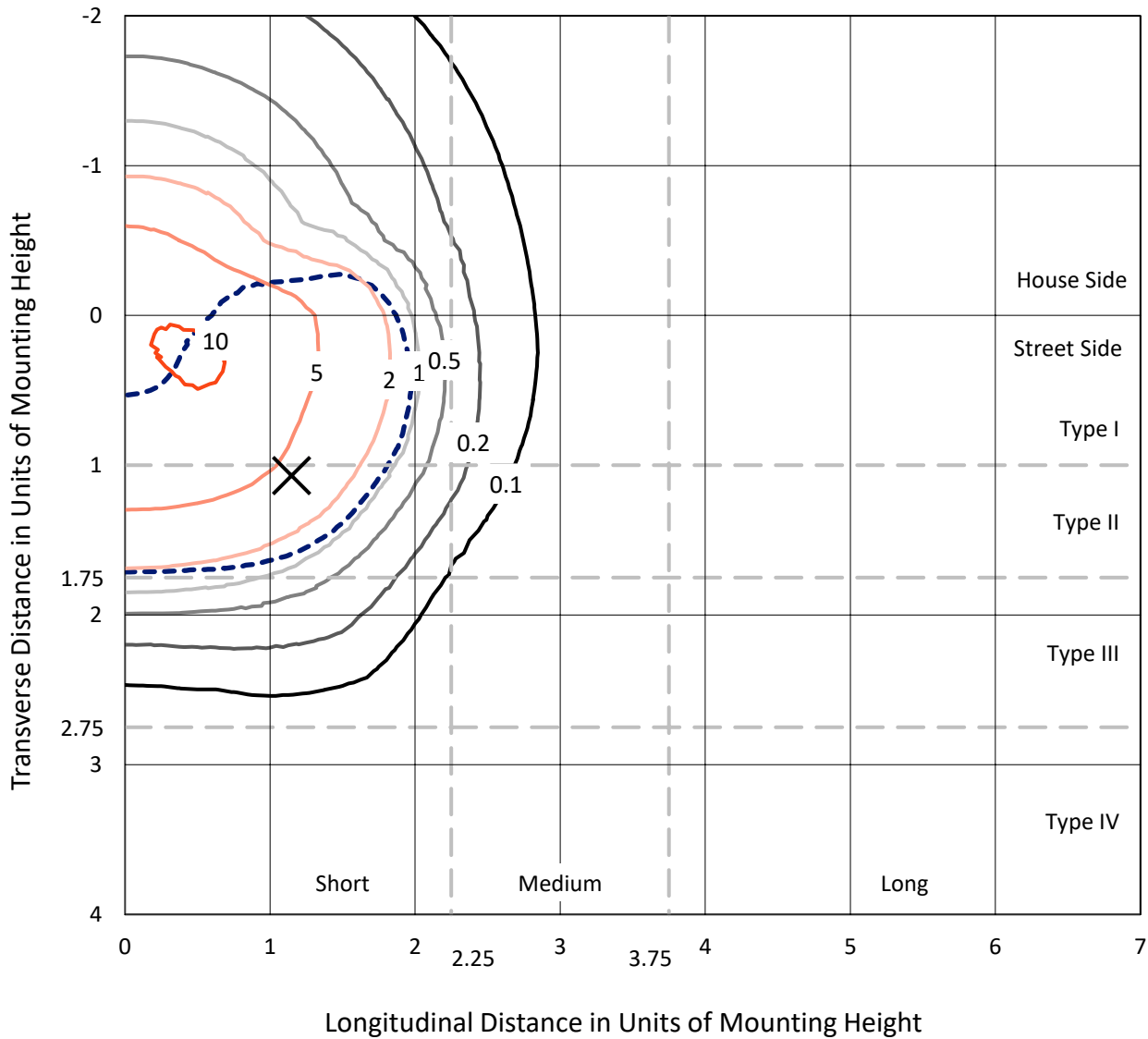
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630357
 CATALOG NUMBER: GWS-SA1D-740-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

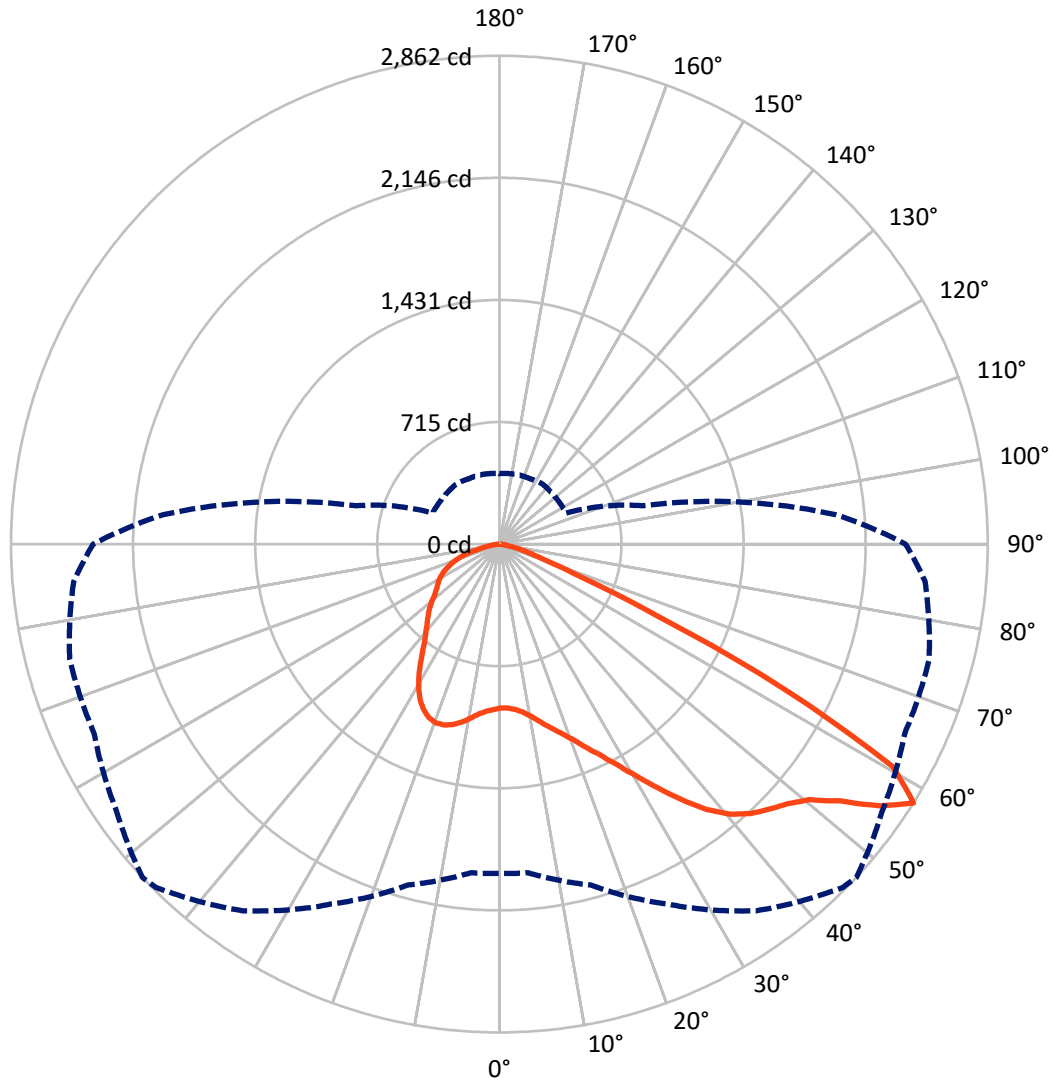
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

REPORT NUMBER: P630357
CATALOG NUMBER: GWS-SA1D-740-U-T3-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630357

CATALOG NUMBER: GWS-SA1D-740-U-T3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1638.0	0.0	1638.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	3537.5	0.0	3537.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	5175.5	0.0	5175.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	1.8
10°-20°	311.4	6.0
20°-30°	560.6	10.8
30°-40°	846.8	16.4
40°-50°	1140.3	22.0
50°-60°	1370.2	26.5
60°-70°	667.3	12.9
70°-80°	164.4	3.2
80°-90°	19.8	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°	5175.5	100.0
0°-180°	5175.5	100.0

Coefficient of Utilization



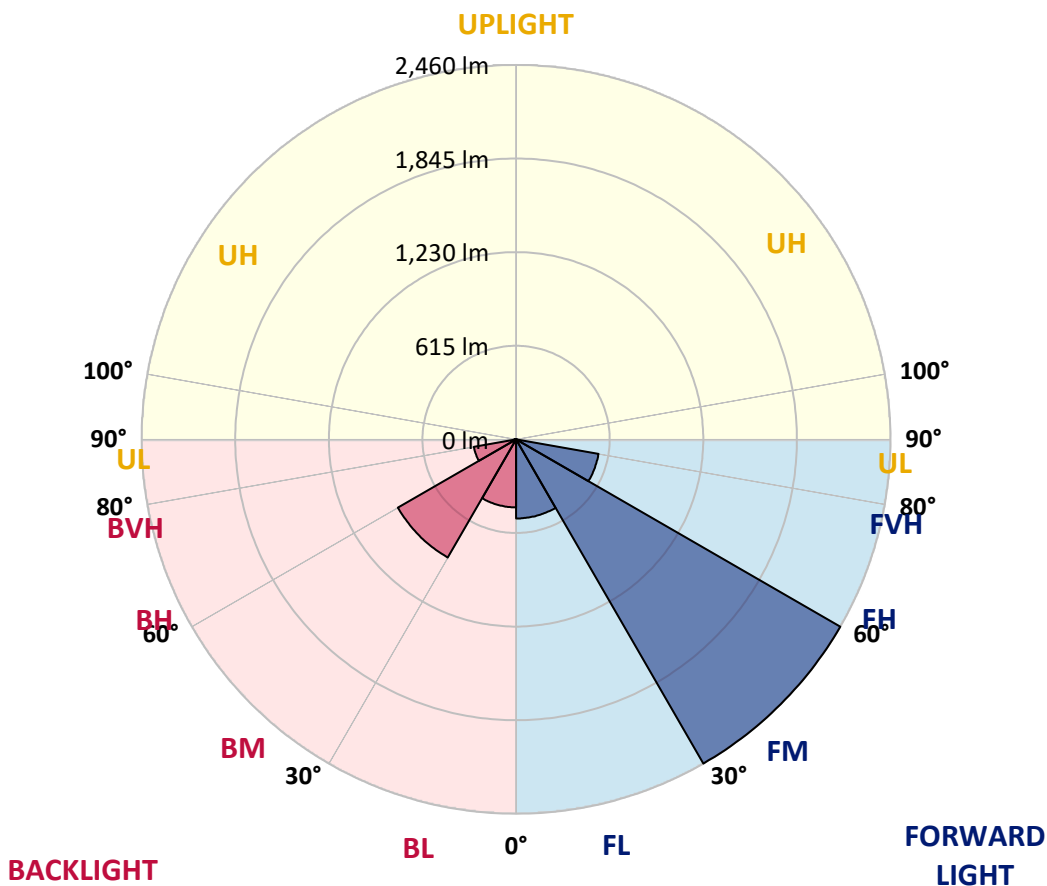
REPORT NUMBER: P630357

CATALOG NUMBER: GWS-SA1D-740-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	519.9	10.0			
FM (30°-60°)	2460.2	47.5			
FH (60°-80°)	550.0	10.6			G0/660
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	446.8	8.6	B1/500		
BM (30°-60°)	897.1	17.3	B1/1000		
BH (60°-80°)	281.7	5.4	B1/500		G1/500
BVH (80°-90°)	12.3	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





REPORT NUMBER: P630357

CATALOG NUMBER: GWS-SA1D-740-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8
2.5°	958.1	957.6	957.6	960.2	960.2	961.1	962.4	963.7	964.2	962.0	957.2
5°	968.5	968.5	968.5	970.7	970.7	971.5	973.3	973.7	973.3	969.8	965.0
7.5°	985.0	985.0	985.5	988.1	990.2	991.5	994.6	994.1	992.8	987.2	981.1
10°	1012.0	1013.3	1014.6	1017.6	1022.0	1025.0	1027.2	1027.2	1025.4	1016.7	1008.9
12.5°	1050.2	1052.0	1053.3	1055.9	1059.3	1064.6	1069.3	1069.3	1067.2	1056.3	1044.6
15°	1095.0	1096.7	1096.3	1097.2	1103.7	1111.1	1115.0	1117.6	1118.5	1103.3	1085.0
17.5°	1146.3	1148.0	1146.3	1143.7	1144.5	1156.3	1163.2	1172.8	1178.5	1158.0	1128.9
20°	1192.8	1191.1	1191.1	1192.8	1195.4	1209.8	1220.2	1235.8	1242.8	1218.0	1172.8
22.5°	1241.9	1245.8	1244.1	1244.1	1254.5	1278.4	1291.0	1311.5	1318.9	1286.7	1225.8
25°	1305.4	1308.9	1308.0	1308.9	1321.0	1354.9	1367.5	1405.4	1412.8	1366.7	1284.5
27.5°	1374.9	1380.6	1383.2	1382.3	1401.9	1446.2	1461.9	1514.5	1527.9	1456.2	1347.1
30°	1465.4	1471.4	1473.6	1472.7	1495.8	1556.2	1574.0	1634.0	1653.1	1562.3	1426.7
32.5°	1570.1	1576.2	1582.7	1585.3	1614.9	1676.6	1702.3	1764.4	1791.8	1684.9	1522.7
35°	1674.0	1679.2	1691.8	1712.3	1752.7	1815.7	1838.3	1899.6	1926.1	1812.2	1638.8
37.5°	1788.8	1792.2	1803.1	1831.4	1889.6	1949.6	1972.2	2030.9	2033.9	1935.3	1770.1
40°	1914.4	1914.4	1912.2	1940.0	2000.9	2061.3	2080.9	2114.8	2097.0	2030.0	1897.9
42.5°	2020.9	2019.2	2020.9	2047.0	2092.2	2141.3	2158.3	2151.7	2129.1	2102.6	2013.5
45°	2117.0	2118.3	2133.9	2153.9	2177.4	2206.5	2216.5	2179.6	2159.1	2160.9	2106.1
47.5°	2182.2	2183.5	2220.0	2253.5	2267.8	2276.9	2272.6	2221.3	2210.9	2230.4	2177.4
50°	2190.9	2197.8	2260.8	2329.5	2365.2	2366.5	2354.3	2291.7	2288.7	2310.8	2215.6
52.5°	2192.6	2199.6	2278.2	2402.1	2494.7	2514.3	2500.4	2435.2	2403.4	2381.3	2262.6
55°	2186.1	2193.9	2280.8	2450.8	2628.2	2706.4	2707.7	2615.6	2514.3	2499.5	2396.5
57.5°	1930.0	1933.1	2067.8	2326.9	2622.9	2844.6	2861.6	2736.4	2620.8	2606.9	2503.8
60°	1344.5	1356.7	1503.2	1845.3	2203.5	2594.3	2649.0	2612.5	2535.1	2433.9	2148.3
62.5°	673.3	683.8	830.7	1154.1	1519.7	1828.3	1887.0	1925.7	1944.0	1835.3	1462.7
65°	289.9	297.8	389.1	602.9	860.3	1009.4	1029.8	1076.3	1190.2	1062.0	788.1
67.5°	193.9	199.1	245.6	367.8	506.9	516.4	513.4	523.4	548.1	452.5	356.0
70°	148.7	153.0	184.3	269.5	364.3	311.7	295.2	267.8	290.8	296.5	288.6
72.5°	107.8	111.3	134.8	183.9	228.2	199.1	196.5	210.4	241.7	250.4	245.6
75°	69.6	71.3	85.6	100.8	117.8	127.8	133.0	158.2	190.0	196.5	190.8
77.5°	46.5	47.8	56.1	64.8	66.9	67.4	69.1	80.4	102.2	114.3	113.0
80°	24.3	24.3	27.4	27.4	31.3	37.4	39.1	46.5	56.5	62.6	63.0
82.5°	9.6	10.0	11.7	13.0	15.6	19.1	20.4	24.3	29.6	33.9	37.8
85°	3.9	4.3	4.8	5.7	7.0	8.7	9.1	10.4	13.9	17.4	19.6
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	1.3	1.7	2.2	3.9	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630357
 CATALOG NUMBER: GWS-SA1D-740-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8
2.5°	962.8	957.2	962.8	964.6	969.4	971.1	968.1	967.6	967.6	963.3	962.0
5°	969.4	964.2	969.8	972.4	979.4	983.7	984.6	988.1	990.2	988.5	988.1
7.5°	985.5	978.9	985.0	988.9	998.1	1005.0	1008.1	1015.9	1021.5	1020.7	1020.2
10°	1013.7	1005.0	1012.0	1018.5	1028.5	1036.7	1037.2	1041.5	1047.2	1045.4	1044.6
12.5°	1046.3	1038.0	1045.9	1052.4	1064.1	1067.6	1062.0	1060.2	1061.1	1058.9	1057.2
15°	1086.3	1074.6	1081.5	1088.9	1095.4	1091.5	1079.3	1074.6	1074.1	1071.1	1069.3
17.5°	1126.3	1111.5	1116.7	1120.6	1117.6	1105.4	1090.2	1082.0	1078.0	1072.0	1070.2
20°	1165.8	1147.2	1146.3	1143.2	1129.3	1107.2	1086.7	1070.2	1060.2	1052.0	1048.9
22.5°	1211.1	1185.0	1171.9	1158.0	1127.6	1091.5	1060.7	1037.2	1021.1	1010.7	1007.2
25°	1259.7	1222.8	1195.8	1168.0	1110.2	1058.0	1015.0	982.8	963.7	952.4	948.5
27.5°	1308.0	1257.1	1216.7	1169.3	1075.4	1009.8	952.0	908.5	889.4	880.3	877.2
30°	1373.2	1302.8	1241.5	1152.4	1029.8	942.9	870.7	826.8	814.2	807.7	805.1
32.5°	1448.4	1360.6	1274.5	1116.7	971.5	864.6	788.5	758.1	749.4	736.8	736.4
35°	1547.5	1443.2	1305.8	1064.1	898.1	780.7	725.5	703.8	688.1	668.1	666.4
37.5°	1663.1	1546.2	1322.8	997.2	812.4	711.6	678.6	654.2	629.0	602.5	599.0
40°	1782.7	1666.6	1324.1	918.1	728.5	666.0	638.1	606.4	575.1	545.5	541.6
42.5°	1908.3	1778.8	1301.0	826.8	659.9	626.4	598.1	558.1	522.9	502.9	500.8
45°	2020.5	1869.2	1248.9	730.7	609.0	593.4	557.3	514.2	495.6	481.2	478.2
47.5°	2108.7	1929.2	1178.5	644.7	567.7	559.5	512.5	490.3	476.0	462.9	459.9
50°	2152.2	1942.6	1086.7	574.7	529.5	519.5	487.3	470.3	460.8	450.3	447.7
52.5°	2206.1	1957.9	1007.6	516.0	492.1	478.6	466.4	453.0	446.0	439.5	437.3
55°	2330.0	2015.2	965.9	469.0	456.4	450.3	448.6	437.3	435.1	430.8	426.9
57.5°	2380.4	1978.3	867.2	430.8	428.2	429.0	433.4	423.0	420.8	415.6	413.0
60°	1914.4	1495.3	587.3	397.7	404.7	410.4	414.7	404.3	401.2	400.4	396.9
62.5°	1226.7	919.8	409.9	366.9	377.3	384.3	386.9	376.9	374.7	381.7	382.1
65°	638.6	501.2	332.5	333.8	342.5	353.0	358.2	354.7	353.8	361.2	361.7
67.5°	326.0	306.5	289.9	294.7	301.7	315.2	327.3	342.5	347.8	348.6	349.1
70°	277.8	269.1	260.8	263.9	271.2	278.6	290.4	297.8	289.1	286.9	286.0
72.5°	236.5	230.0	226.0	229.5	233.4	232.1	228.6	232.1	233.4	233.9	234.3
75°	183.9	179.1	176.1	176.5	176.5	171.7	165.2	161.3	156.9	153.4	153.4
77.5°	112.6	113.5	116.5	116.1	115.6	113.9	107.4	103.9	93.5	90.4	90.4
80°	64.3	65.6	68.7	69.6	69.6	67.4	60.9	56.9	52.2	50.0	49.6
82.5°	39.1	40.9	42.6	43.5	43.9	41.3	35.6	32.6	30.0	27.8	27.8
85°	20.4	21.3	23.0	23.5	22.2	19.6	16.5	15.2	12.6	12.2	12.2
87.5°	5.7	6.1	7.0	5.7	5.2	3.9	2.2	1.7	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)