

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: P631844

Luminaire Tested: GWS-SA2B-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6905.9 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

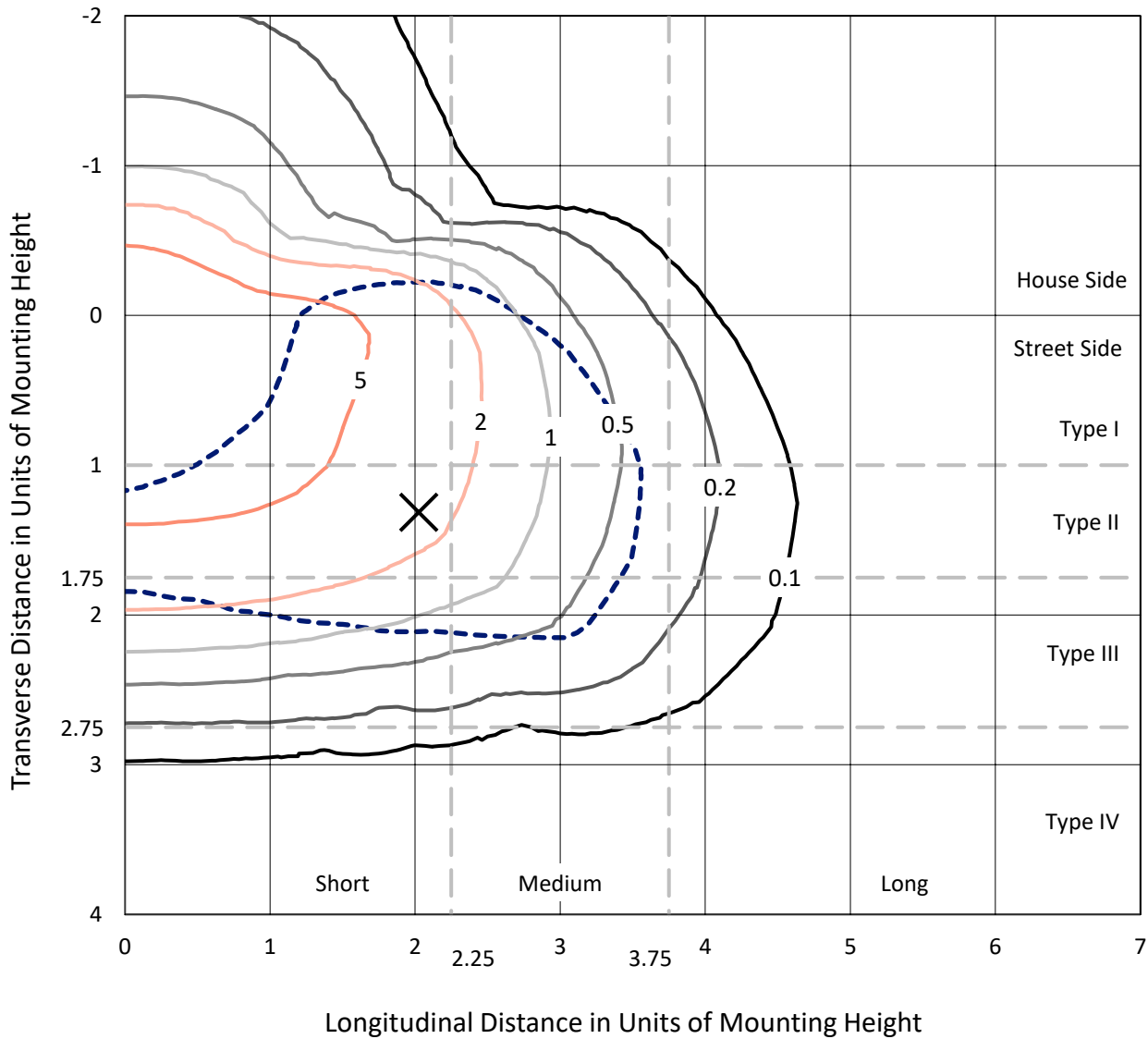
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631844
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Iso-Footcandle Lines of Horizontal Illumination

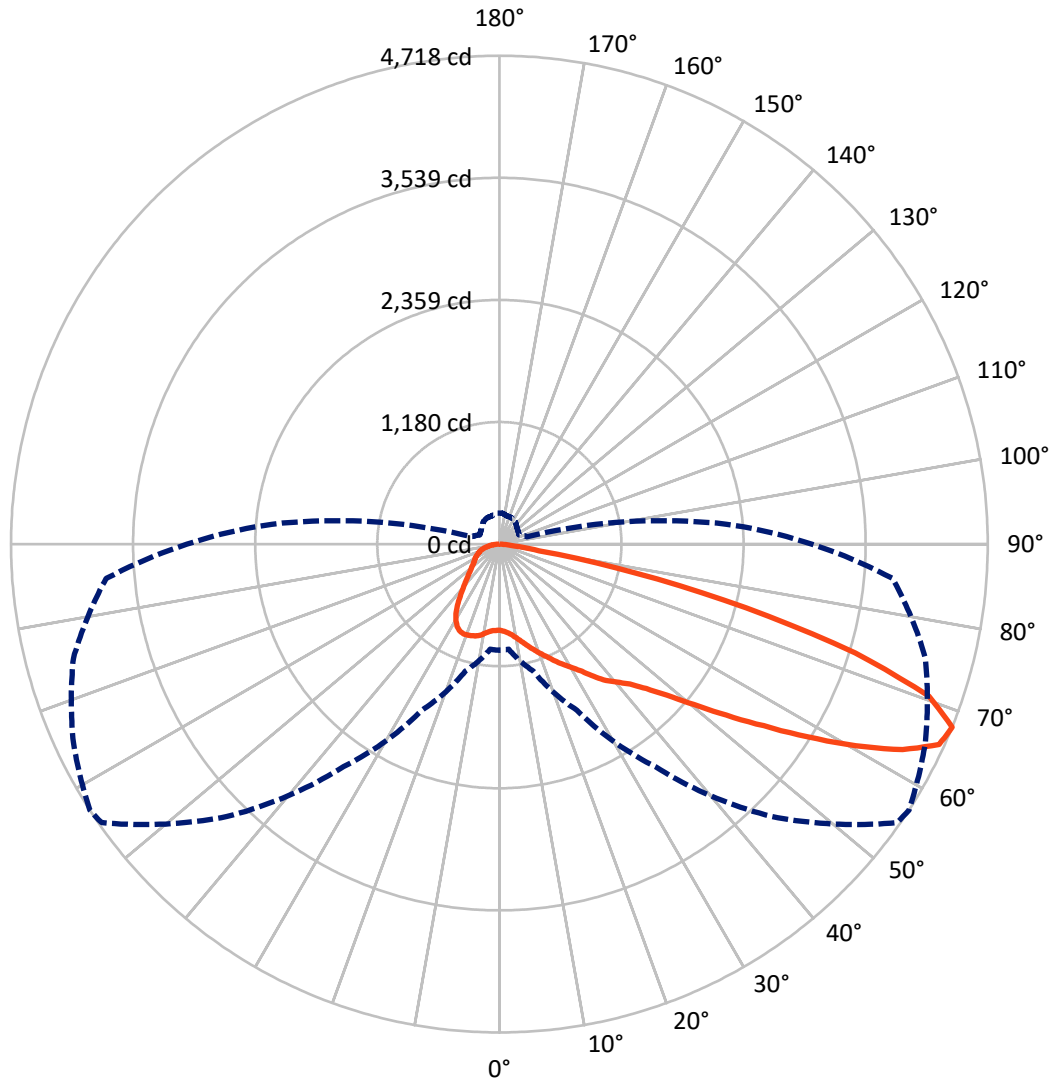
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Short - N/A

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CATALOG NUMBER: GWS-SA2B-740-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1518.4	0.0	1518.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5387.6	0.0	5387.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	6905.9	0.0	6905.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.2
10°-20°	273.2	4.0
20°-30°	487.1	7.1
30°-40°	708.2	10.3
40°-50°	1024.9	14.8
50°-60°	1604.0	23.2
60°-70°	1871.2	27.1
70°-80°	781.1	11.3
80°-90°	73.7	1.1
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°	6905.9	100.0
0°-180°	6905.9	100.0

Coefficient of Utilization



REPORT NUMBER: P631844

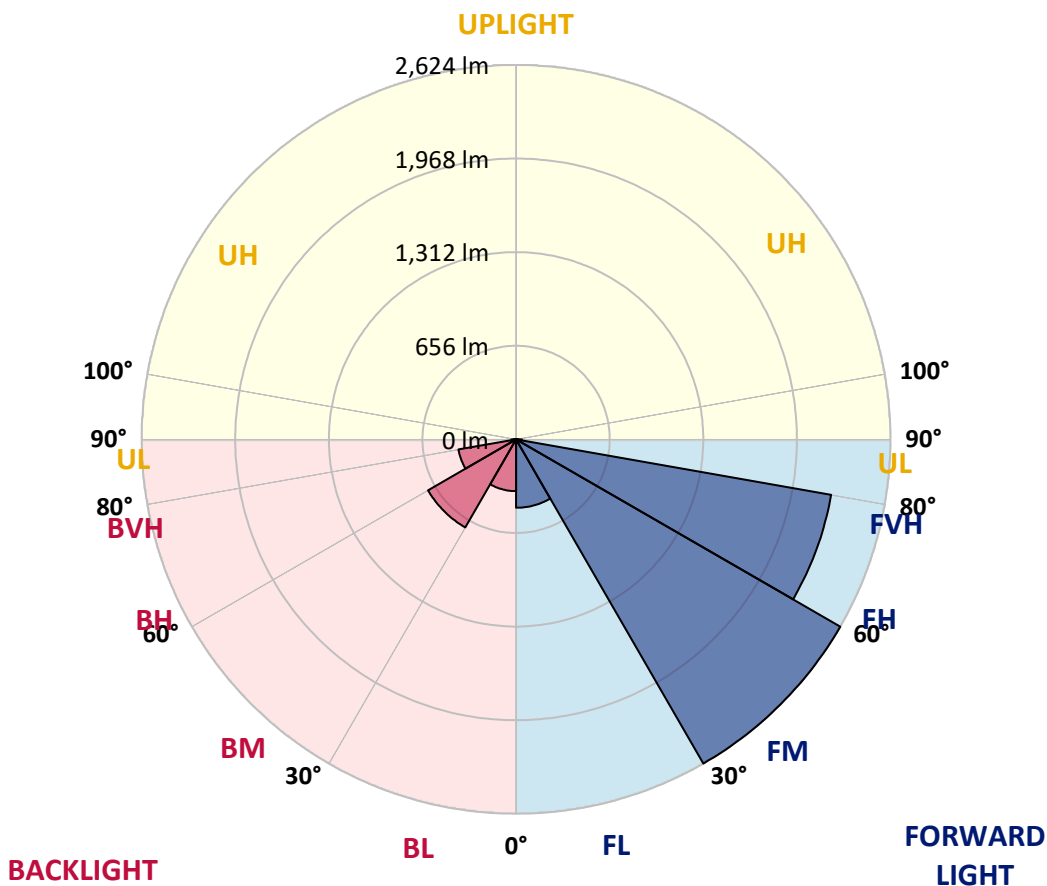
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.7	6.9			
FM (30°-60°)	2624.3	38.0			
FH (60°-80°)	2242.5	32.5			G2/5000
FVH (80°-90°)	41.1	0.6			G1/100
BL (0°-30°)	363.1	5.3	B1/500		
BM (30°-60°)	712.8	10.3	B1/1000		
BH (60°-80°)	409.8	5.9	B1/500		G1/500
BVH (80°-90°)	32.6	0.5			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 III Short





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 CATALOG NUMBER: GWS-SA2B-740-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1
2.5°	844.0	843.0	842.5	845.5	844.5	844.0	844.0	843.5	842.5	838.5	833.1
5°	867.2	865.3	863.3	865.8	863.8	861.8	861.3	860.3	856.8	850.9	842.5
7.5°	891.5	889.5	890.0	891.5	890.0	889.0	887.5	886.5	881.1	871.7	860.3
10°	925.6	925.6	926.6	928.1	928.6	927.1	924.1	922.6	916.2	904.3	888.5
12.5°	975.1	974.1	974.1	973.1	974.6	973.1	970.1	967.7	959.8	944.4	921.7
15°	1040.4	1036.4	1033.0	1026.5	1024.6	1019.1	1020.1	1018.6	1011.2	990.4	961.7
17.5°	1110.1	1109.7	1104.2	1091.3	1078.5	1069.6	1071.6	1071.1	1067.1	1038.9	1002.3
20°	1171.5	1174.0	1169.0	1159.1	1141.8	1125.0	1124.0	1126.5	1121.5	1093.3	1042.4
22.5°	1240.3	1238.3	1233.3	1220.5	1207.6	1189.8	1183.9	1181.9	1179.9	1147.7	1083.4
25°	1305.6	1311.5	1305.1	1293.2	1273.4	1254.1	1249.2	1251.1	1245.7	1203.2	1127.5
27.5°	1388.2	1390.6	1386.7	1370.4	1353.5	1326.3	1316.9	1316.9	1315.0	1255.1	1162.1
30°	1476.2	1483.2	1476.2	1462.9	1445.6	1406.5	1386.2	1384.2	1378.3	1308.5	1202.7
32.5°	1564.8	1569.7	1564.8	1551.9	1532.1	1498.0	1468.8	1464.4	1456.4	1366.9	1244.2
35°	1643.4	1647.9	1646.9	1649.9	1633.6	1590.5	1572.7	1570.7	1549.9	1443.1	1300.6
37.5°	1729.5	1735.0	1727.6	1733.5	1727.1	1686.5	1681.0	1671.2	1641.5	1514.8	1360.0
40°	1827.5	1832.4	1820.6	1823.0	1815.6	1792.9	1765.2	1751.8	1707.8	1592.5	1453.5
42.5°	1932.4	1943.7	1949.2	1944.7	1927.4	1914.6	1866.1	1849.3	1812.6	1732.5	1607.3
45°	2084.2	2101.1	2109.0	2097.6	2090.2	2071.9	2012.5	1992.2	1972.9	1929.9	1822.0
47.5°	2248.0	2263.3	2288.6	2293.5	2299.4	2285.6	2202.0	2182.2	2185.7	2180.7	2086.2
50°	2378.6	2391.5	2448.4	2509.2	2559.7	2563.6	2456.8	2435.5	2454.3	2470.1	2404.3
52.5°	2473.6	2485.0	2560.2	2685.8	2800.1	2884.7	2769.4	2745.2	2760.5	2796.1	2766.0
55°	2550.8	2566.6	2645.3	2838.2	3069.2	3202.8	3129.1	3098.4	3092.0	3136.0	3153.3
57.5°	2591.3	2596.3	2706.6	2957.4	3266.6	3515.0	3547.1	3512.5	3451.1	3475.4	3565.4
60°	2498.8	2507.2	2658.1	2988.1	3422.5	3824.7	3985.9	3957.2	3826.6	3840.0	3939.4
62.5°	2243.0	2254.9	2436.5	2842.1	3435.3	4031.4	4391.1	4372.8	4197.7	4125.4	4155.1
65°	1799.3	1803.2	1991.2	2481.0	3179.5	4057.2	4673.6	4669.1	4456.9	4287.7	4160.6
67.5°	1026.0	1019.1	1270.4	1769.6	2624.0	3722.7	4691.9	4718.1	4541.0	4261.0	3814.3
70°	444.8	445.7	561.5	873.2	1698.4	3008.9	4358.0	4403.0	4297.6	3816.2	3034.6
72.5°	205.8	208.8	258.7	378.0	725.3	1866.6	3553.6	3594.1	3503.6	3054.4	2207.9
75°	145.4	147.9	172.7	216.7	333.4	727.2	2377.1	2462.2	2506.2	2284.6	1455.0
77.5°	110.3	113.8	126.2	150.4	205.8	257.7	1137.4	1340.2	1596.5	1421.3	749.5
80°	70.2	70.2	83.6	100.4	125.7	134.1	328.5	389.3	781.2	585.7	294.4
82.5°	47.5	49.0	56.9	63.8	72.2	76.2	141.0	150.4	225.6	199.4	121.2
85°	25.2	26.2	29.7	29.2	34.6	30.2	59.4	58.9	82.6	90.5	46.0
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	6.4	6.9	17.3	27.7	15.3
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°	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1
2.5°	836.1	830.1	833.1	832.1	835.1	835.1	829.6	828.2	828.7	822.7	820.7
5°	843.5	836.6	838.1	836.1	839.0	841.5	839.0	839.0	842.0	837.6	835.1
7.5°	860.3	852.4	852.4	849.9	853.4	855.4	853.4	856.4	861.8	857.3	854.9
10°	887.0	877.6	878.1	875.2	876.6	875.6	867.7	865.3	866.7	862.8	860.8
12.5°	921.7	908.8	908.8	902.9	899.4	889.0	872.7	866.7	867.7	864.3	862.8
15°	954.8	942.9	940.5	928.6	912.8	893.5	878.6	874.7	875.6	872.2	869.7
17.5°	993.9	978.6	969.6	947.9	918.7	898.9	884.1	874.7	866.7	858.8	856.8
20°	1030.0	1010.7	994.4	960.7	925.1	897.9	870.2	847.0	827.7	817.3	814.8
22.5°	1067.1	1042.4	1013.7	969.6	924.6	880.1	829.1	794.0	765.3	750.0	753.0
25°	1102.2	1071.1	1032.0	978.1	908.8	840.5	771.3	718.8	686.2	674.3	670.8
27.5°	1131.4	1092.8	1048.8	974.1	876.1	783.6	692.1	633.7	602.1	588.7	585.3
30°	1164.1	1120.5	1073.0	955.8	824.7	704.0	602.6	555.1	532.3	519.5	519.9
32.5°	1201.7	1156.2	1107.2	920.7	758.9	617.9	528.9	496.2	477.9	465.0	463.1
35°	1252.1	1207.1	1129.9	867.7	675.3	538.7	478.4	451.7	428.9	412.1	408.6
37.5°	1314.5	1283.8	1132.4	797.0	585.7	484.3	442.3	413.6	385.9	363.6	361.1
40°	1421.3	1386.2	1112.1	708.4	509.6	449.2	412.1	379.0	346.8	322.1	318.6
42.5°	1573.7	1501.5	1068.6	608.5	452.2	421.5	383.4	341.4	308.7	291.4	288.9
45°	1767.6	1630.1	1003.3	514.5	409.6	394.3	353.2	309.2	291.9	279.5	277.0
47.5°	2005.1	1780.0	928.1	441.3	376.5	369.6	322.6	298.3	283.0	272.6	270.1
50°	2289.1	1971.0	866.2	383.9	346.8	340.9	312.7	291.9	279.5	271.1	269.1
52.5°	2613.1	2183.2	836.1	342.8	321.1	315.1	309.2	290.4	280.0	273.6	271.1
55°	2949.5	2406.8	807.9	311.2	299.3	302.8	309.7	295.3	287.4	279.0	276.5
57.5°	3274.5	2616.6	738.6	286.4	283.5	296.8	312.2	300.3	290.9	282.5	279.5
60°	3498.6	2731.3	621.4	266.7	271.6	289.4	305.7	292.9	281.0	277.5	276.1
62.5°	3559.0	2717.5	482.3	246.4	257.3	273.1	288.9	280.5	268.1	273.6	274.1
65°	3418.0	2569.1	362.1	226.6	238.5	251.8	271.6	268.1	263.7	278.5	279.0
67.5°	3018.8	2204.5	276.1	209.3	219.2	235.5	266.2	280.5	281.5	300.3	298.3
70°	2284.1	1646.9	216.2	192.9	204.3	235.5	283.5	289.9	278.0	295.3	291.4
72.5°	1579.1	1086.9	184.0	178.6	186.0	224.6	283.0	283.0	270.1	270.1	262.7
75°	981.0	639.2	160.3	160.3	160.3	196.4	275.1	260.7	238.0	227.6	221.6
77.5°	484.3	310.7	134.6	139.5	134.1	164.2	224.6	213.2	199.4	188.5	184.5
80°	206.8	155.3	108.8	114.3	107.8	123.7	178.1	175.6	162.3	147.9	143.5
82.5°	95.0	80.1	87.1	89.5	78.7	93.0	130.1	130.1	122.7	102.9	95.5
85°	40.6	42.5	60.4	60.4	49.5	52.4	69.8	66.3	59.4	48.5	44.5
87.5°	13.9	20.8	30.7	26.7	10.4	4.5	2.5	1.0	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)