

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: P630378

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 5627.1 lumens
Efficiency: N/A
Efficacy: 127.0 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

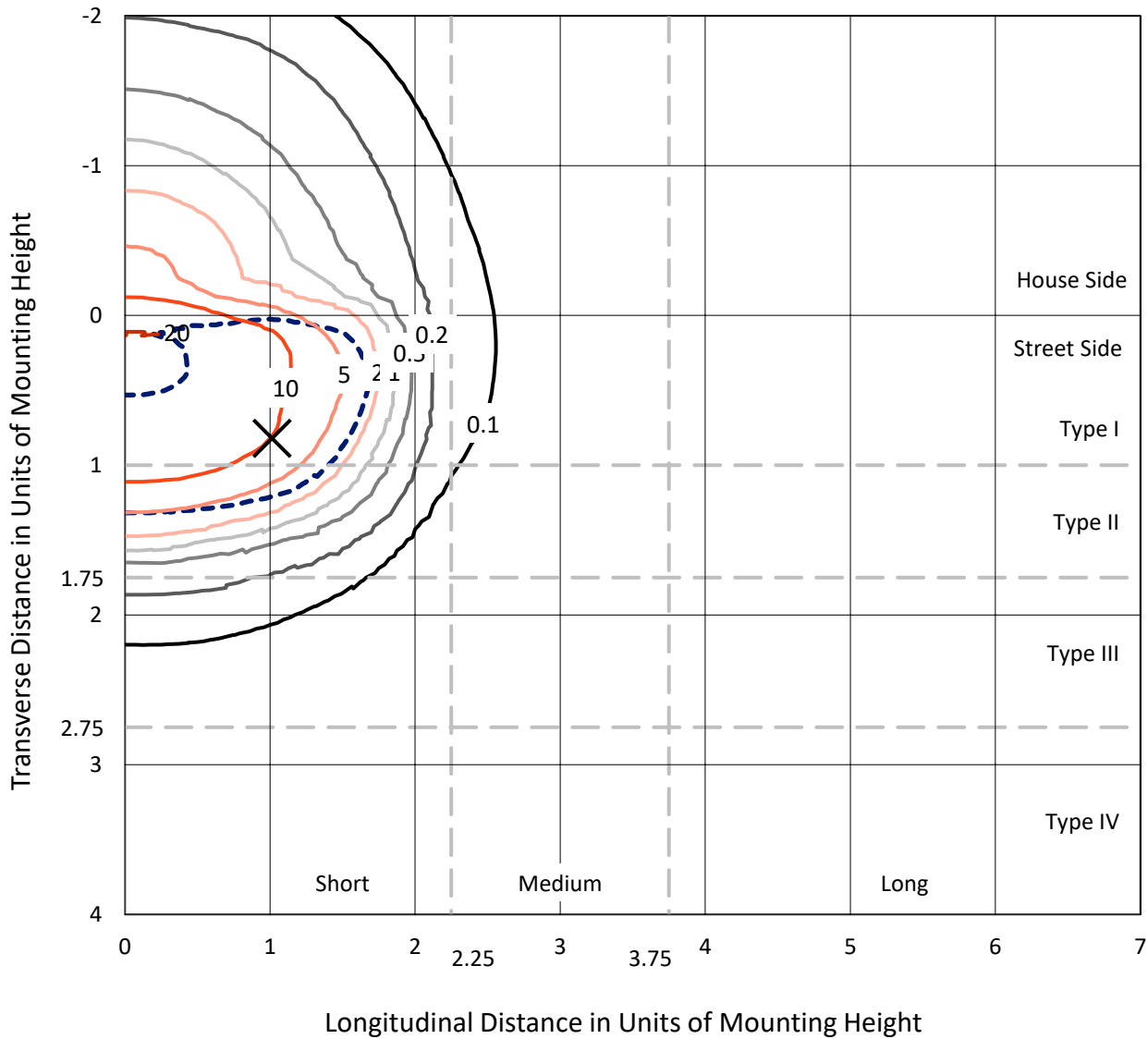


REPORT NUMBER: P630378

CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

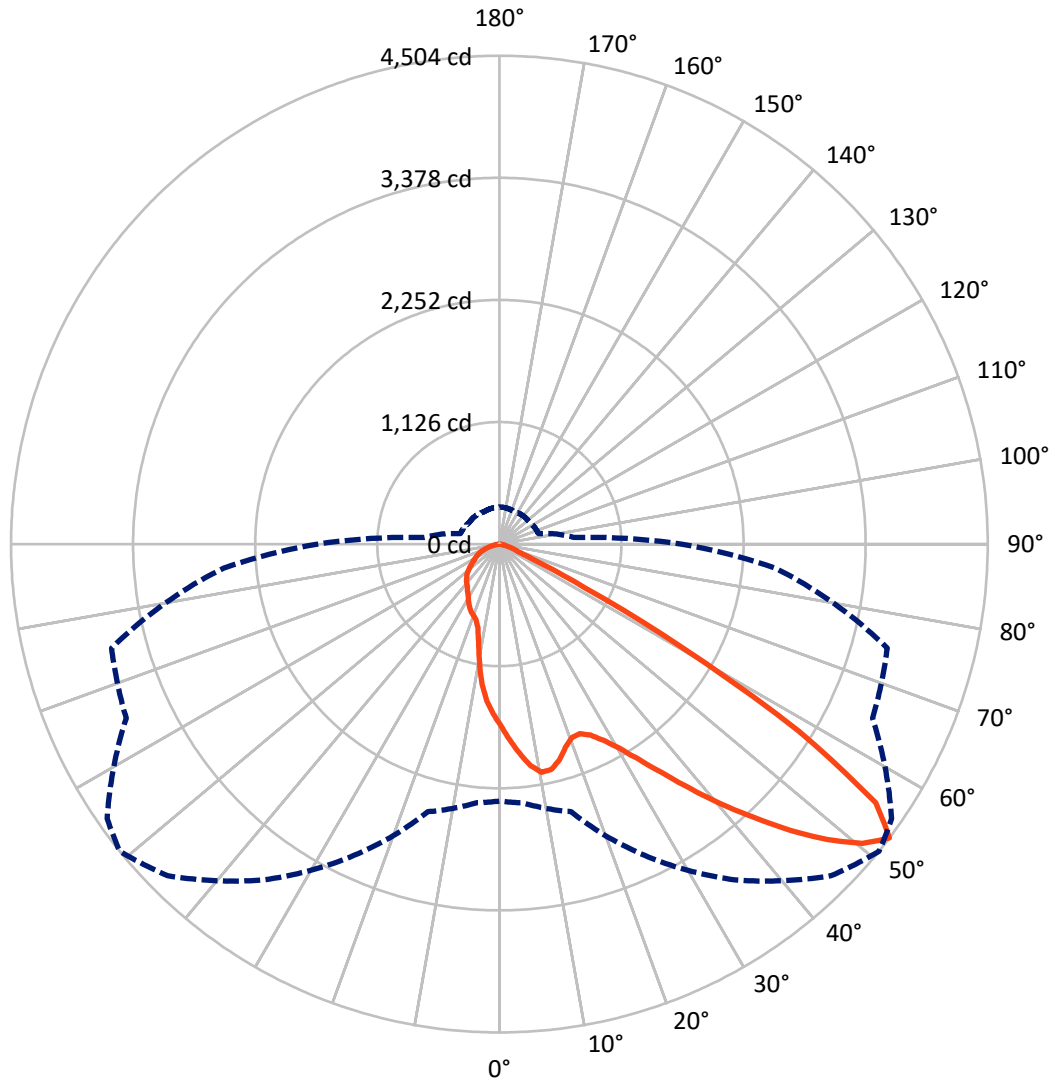
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.5 fc
 Type II - Short - N/A

REPORT NUMBER: P630378
CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P630378

CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.4	0.0	1096.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4530.7	0.0	4530.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	5627.1	0.0	5627.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.3	2.8
10°-20°	406.2	7.2
20°-30°	660.5	11.7
30°-40°	1046.8	18.6
40°-50°	1578.8	28.1
50°-60°	1365.8	24.3
60°-70°	309.6	5.5
70°-80°	91.3	1.6
80°-90°	11.8	0.2
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°	5627.1	100.0
0°-180°	5627.1	100.0

Coefficient of Utilization



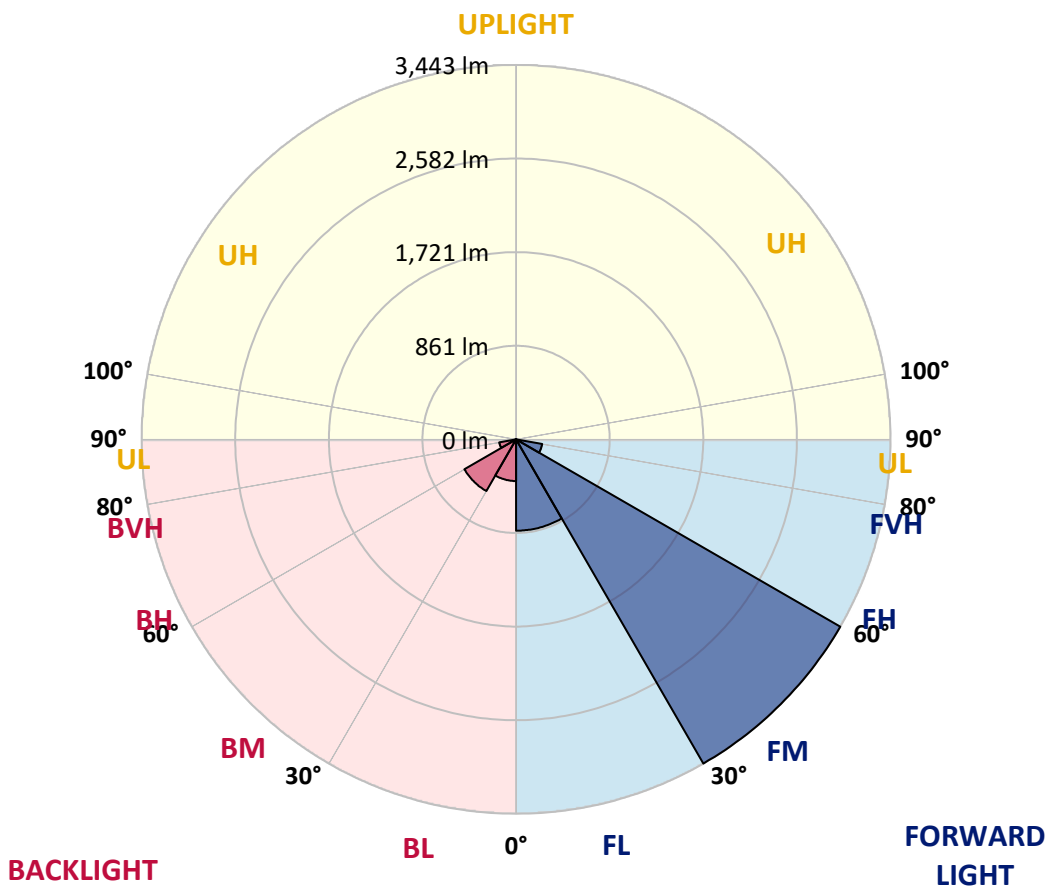
REPORT NUMBER: P630378

CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	839.9	14.9			
FM (30°-60°)	3442.7	61.2			
FH (60°-80°)	243.7	4.3			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	383.3	6.8	B1/500		
BM (30°-60°)	548.6	9.7	B1/1000		
BH (60°-80°)	157.2	2.8	B1/500		G1/500
BVH (80°-90°)	7.3	0.1			G0/10
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: P630378

CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5
2.5°	1867.1	1877.8	1861.3	1855.1	1844.9	1827.1	1806.6	1800.9	1756.8	1727.9	1695.5
5°	2054.8	2060.5	2047.2	2033.9	2008.5	1976.9	1937.4	1928.9	1848.9	1782.6	1713.7
7.5°	2096.6	2094.3	2105.9	2113.5	2110.3	2097.9	2062.8	2046.3	1950.7	1845.8	1743.9
10°	1931.1	1918.7	1961.4	2012.1	2073.0	2143.2	2139.2	2137.9	2054.8	1930.7	1782.6
12.5°	1711.9	1705.7	1740.4	1804.0	1919.1	2074.8	2133.0	2178.4	2148.6	2011.6	1825.8
15°	1586.5	1584.3	1607.9	1653.7	1745.3	1941.8	2066.3	2156.1	2229.1	2098.3	1871.6
17.5°	1563.9	1565.2	1573.2	1599.4	1665.2	1827.1	1971.2	2096.6	2291.8	2193.5	1928.9
20°	1630.1	1639.0	1625.2	1629.2	1664.8	1785.7	1906.2	2036.5	2331.8	2289.1	1990.7
22.5°	1777.3	1774.2	1743.9	1726.2	1726.6	1811.1	1899.1	2008.5	2358.0	2382.0	2046.8
25°	1944.0	1940.5	1904.5	1864.9	1840.0	1880.0	1950.3	2038.3	2381.6	2467.0	2091.7
27.5°	2141.0	2129.9	2089.9	2039.2	1984.1	2001.4	2049.0	2118.8	2418.0	2550.6	2121.5
30°	2331.8	2344.7	2287.3	2227.3	2169.0	2158.4	2185.9	2249.1	2492.3	2648.4	2157.0
32.5°	2584.8	2580.3	2516.8	2438.5	2355.3	2347.3	2369.1	2426.9	2625.7	2783.6	2211.3
35°	2891.2	2892.1	2801.8	2696.0	2577.7	2556.3	2592.8	2648.8	2824.5	2966.8	2297.1
37.5°	3209.5	3208.2	3129.5	3009.4	2848.0	2817.8	2859.6	2901.4	3073.0	3216.2	2430.5
40°	3432.8	3441.6	3404.7	3341.6	3188.6	3114.8	3151.7	3180.6	3343.4	3509.7	2606.1
42.5°	3559.5	3572.8	3580.8	3618.6	3538.1	3459.4	3446.1	3461.2	3584.8	3782.3	2771.1
45°	3586.6	3604.4	3662.6	3802.7	3833.8	3811.6	3768.0	3731.6	3764.9	3975.7	2879.2
47.5°	3467.0	3498.1	3622.6	3867.6	4049.5	4119.3	4070.8	4015.3	3869.0	4025.5	2868.0
50°	2993.0	3029.4	3310.0	3735.1	4080.2	4334.5	4339.0	4256.7	3856.5	3881.9	2728.4
52.5°	2369.6	2394.5	2555.0	3166.4	3779.1	4325.6	4503.5	4415.4	3796.5	3702.2	2553.7
55°	1416.2	1456.3	1606.1	2089.0	2944.1	3833.8	4212.7	4255.4	3767.1	3551.5	2434.5
57.5°	478.0	497.6	640.8	922.7	1735.1	2807.1	3254.9	3428.3	3419.9	3321.1	2201.9
60°	227.7	232.1	261.0	349.9	694.6	1466.9	1926.7	2126.8	2309.1	2327.3	1370.0
62.5°	173.4	176.1	190.8	209.9	279.2	618.1	883.1	1036.1	1106.8	949.8	498.9
65°	145.0	147.2	158.3	170.3	189.9	267.7	338.8	390.9	352.2	274.4	237.9
67.5°	120.9	122.7	131.2	144.1	157.4	179.2	188.1	193.4	202.8	227.7	218.8
70°	94.7	96.5	105.4	116.5	129.4	134.7	143.2	148.5	167.2	199.2	198.3
72.5°	72.9	75.1	80.0	87.2	97.8	103.2	112.5	118.7	129.4	155.2	165.9
75°	53.4	54.7	59.1	61.4	62.7	61.4	70.7	77.8	92.0	101.8	104.5
77.5°	21.8	24.5	23.6	23.6	28.0	33.8	38.7	43.1	52.9	58.7	59.1
80°	8.9	9.8	11.6	12.9	15.6	20.0	23.1	24.9	29.3	32.9	35.6
82.5°	5.3	5.8	6.7	7.1	8.9	11.6	13.3	14.7	18.2	21.8	23.1
85°	2.7	2.7	3.1	3.6	4.4	5.3	6.2	7.1	9.3	11.6	12.9
87.5°	0.4	0.4	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.4
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: P630378

CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5	1675.5
2.5°	1676.4	1652.3	1624.3	1602.1	1576.3	1557.2	1530.1	1513.2	1497.2	1483.8	1474.0
5°	1678.1	1637.7	1579.4	1527.8	1474.5	1423.8	1371.8	1329.5	1291.7	1260.2	1257.5
7.5°	1688.4	1630.1	1539.0	1448.7	1344.6	1244.2	1143.7	1061.8	999.6	967.1	960.5
10°	1705.7	1629.2	1497.6	1353.5	1176.1	1014.3	895.1	832.8	796.8	783.9	779.5
12.5°	1723.9	1627.0	1444.7	1219.3	972.9	831.1	765.7	758.1	764.8	765.7	765.3
15°	1746.2	1625.7	1378.0	1061.8	824.4	746.1	750.6	766.6	782.2	785.7	785.7
17.5°	1773.3	1622.6	1287.3	908.0	731.5	729.7	753.2	774.6	789.3	791.9	791.9
20°	1801.8	1614.6	1175.7	782.6	693.7	719.5	744.8	761.3	771.5	775.0	775.5
22.5°	1821.3	1593.2	1047.2	689.7	670.1	699.9	718.1	735.0	735.0	726.1	723.5
25°	1825.3	1547.4	908.0	626.1	642.1	669.7	688.3	678.5	660.3	653.2	652.8
27.5°	1810.6	1480.7	770.6	580.7	608.3	635.9	632.7	618.5	610.5	603.4	606.1
30°	1792.9	1400.7	651.4	543.4	569.2	596.3	585.6	580.7	574.9	566.9	568.7
32.5°	1780.9	1311.3	559.8	514.5	542.9	547.4	554.9	554.5	549.2	534.0	533.1
35°	1784.4	1221.0	498.5	490.9	521.1	519.4	533.6	530.9	494.0	473.1	471.8
37.5°	1812.9	1134.3	462.4	472.2	486.5	497.6	510.0	478.0	465.1	451.8	452.7
40°	1867.1	1053.8	442.9	462.0	465.6	482.0	453.1	452.7	446.9	434.9	434.4
42.5°	1928.5	985.8	429.5	457.1	452.2	455.3	424.6	428.2	427.8	420.2	418.0
45°	1965.8	923.1	418.9	438.9	440.2	409.1	399.7	403.7	406.0	402.0	401.5
47.5°	1927.1	851.1	407.8	410.9	422.4	388.2	376.6	377.1	381.1	381.5	379.7
50°	1818.6	770.6	394.4	386.9	379.3	366.4	355.7	353.5	357.5	361.5	362.8
52.5°	1678.6	693.7	372.2	360.6	342.8	342.8	337.9	330.8	336.2	341.5	343.3
55°	1575.9	636.7	340.6	327.7	308.1	314.8	313.9	307.7	314.8	318.8	320.2
57.5°	1365.5	511.8	299.7	295.7	279.2	287.2	289.0	281.0	277.5	278.4	279.7
60°	810.6	330.4	270.4	269.9	255.2	264.6	269.9	261.9	251.2	252.6	254.3
62.5°	363.7	252.6	233.4	231.7	231.2	243.2	249.0	241.4	226.3	227.7	229.4
65°	229.0	218.3	202.8	202.8	209.9	220.1	224.6	218.3	201.0	198.8	200.5
67.5°	212.5	203.2	187.2	184.1	187.6	196.1	196.5	184.5	174.3	172.5	172.5
70°	190.8	183.6	168.1	161.9	160.5	160.1	158.7	155.6	149.0	147.2	148.1
72.5°	157.9	153.0	143.2	136.5	133.0	132.5	127.2	124.5	118.7	117.8	117.4
75°	104.5	105.8	105.8	104.9	101.8	100.5	94.7	92.0	85.4	82.7	82.3
77.5°	61.8	63.1	64.9	65.4	64.9	64.9	59.6	56.5	49.8	46.2	45.4
80°	37.8	38.7	39.6	40.9	39.1	37.8	32.9	29.8	26.7	24.5	24.0
82.5°	24.5	25.3	25.8	26.7	25.8	24.0	20.0	18.2	16.0	14.2	13.8
85°	13.8	14.2	15.1	15.1	13.8	12.5	10.2	8.9	7.6	6.7	6.7
87.5°	4.9	4.9	4.9	5.3	4.4	4.0	2.7	1.8	1.3	1.3	1.3
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)