

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: P631819

Luminaire Tested: GWS-SA2B-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-740-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5779.4 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

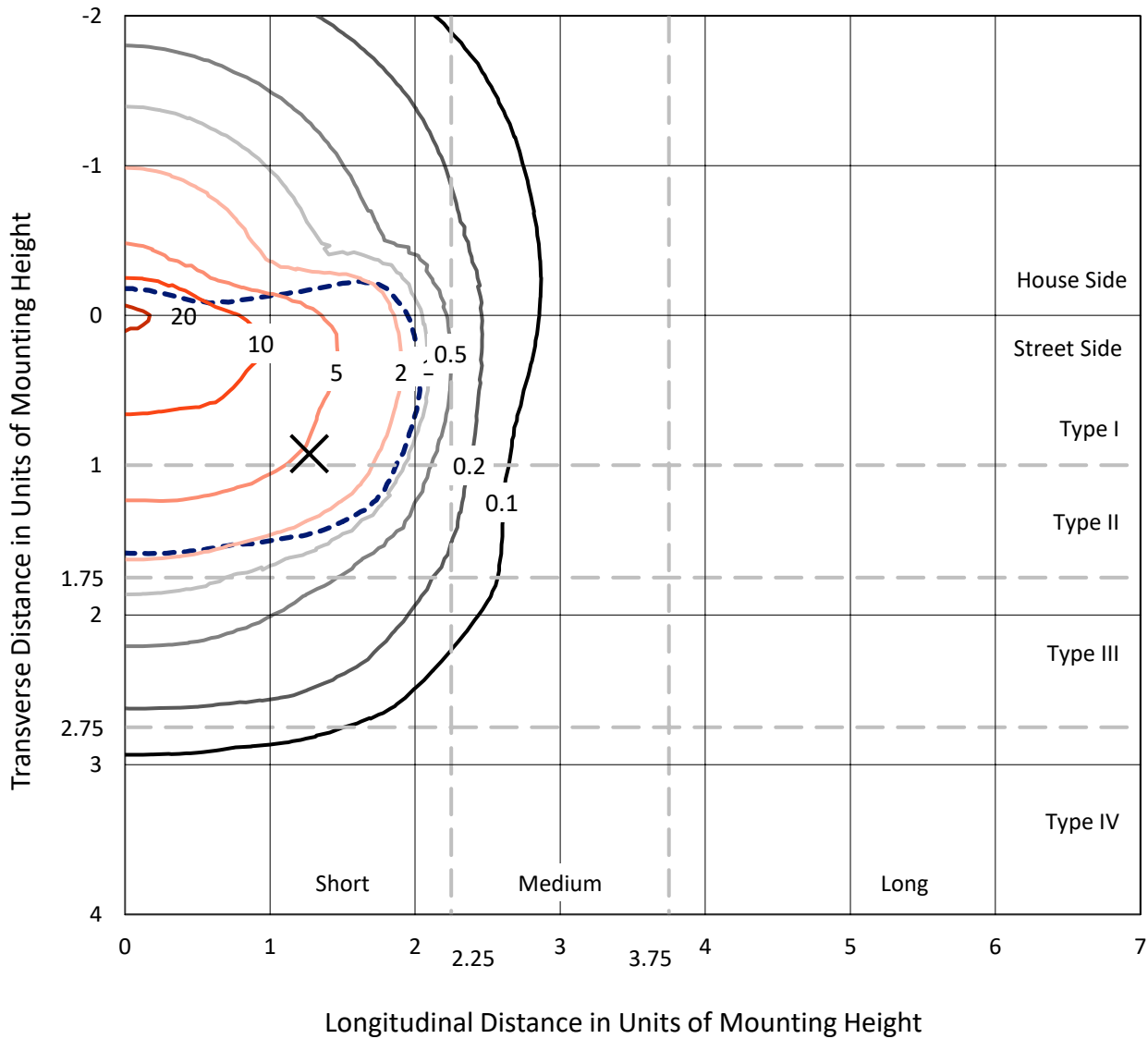
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

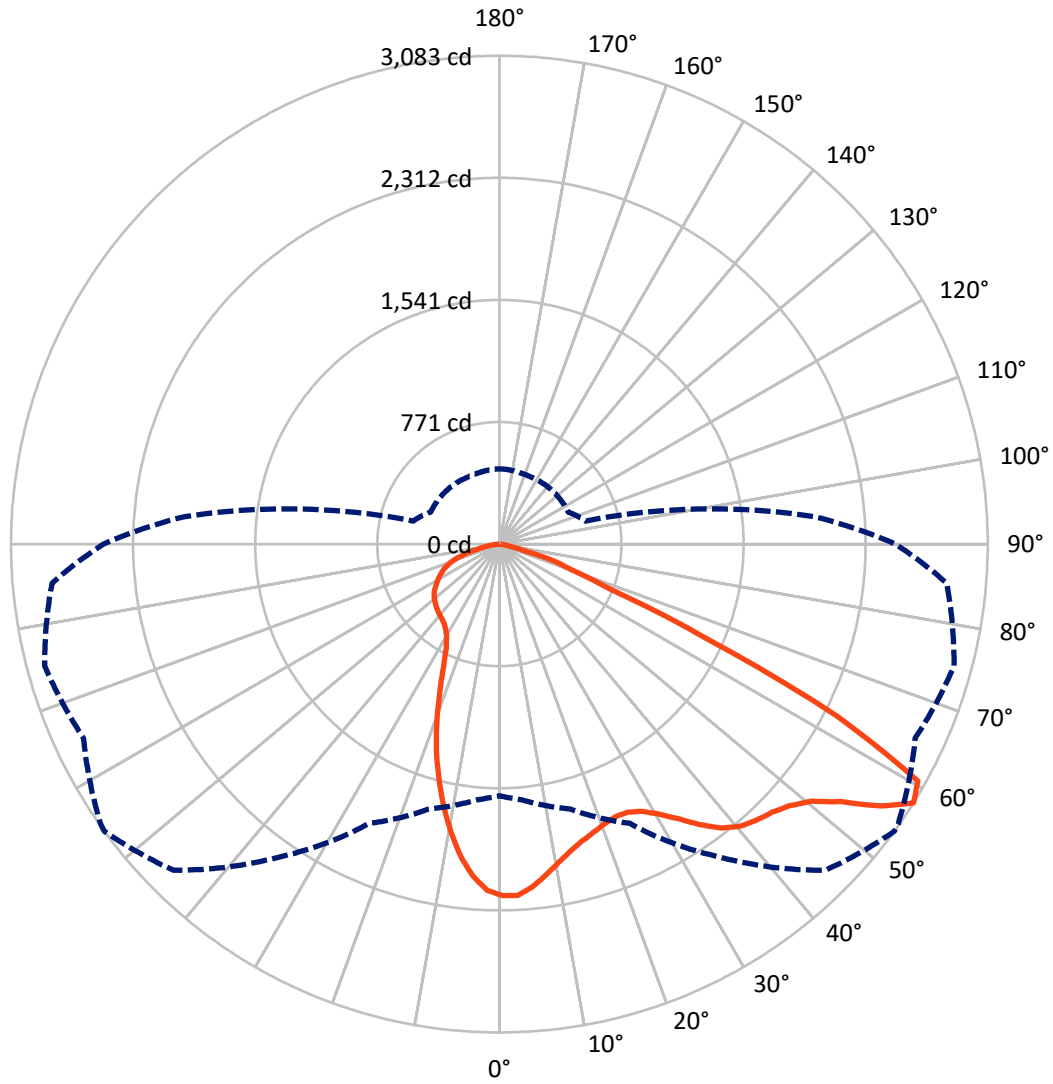
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1680.1	0.0	1680.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	4099.3	0.0	4099.3
	% Fixture	70.9	0.0	70.9
Total	Lumens	5779.4	0.0	5779.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.0	3.4
10°-20°	465.4	8.1
20°-30°	644.0	11.1
30°-40°	894.9	15.5
40°-50°	1181.8	20.4
50°-60°	1404.4	24.3
60°-70°	778.1	13.5
70°-80°	193.8	3.4
80°-90°	22.0	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°	5779.4	100.0
0°-180°	5779.4	100.0

Coefficient of Utilization



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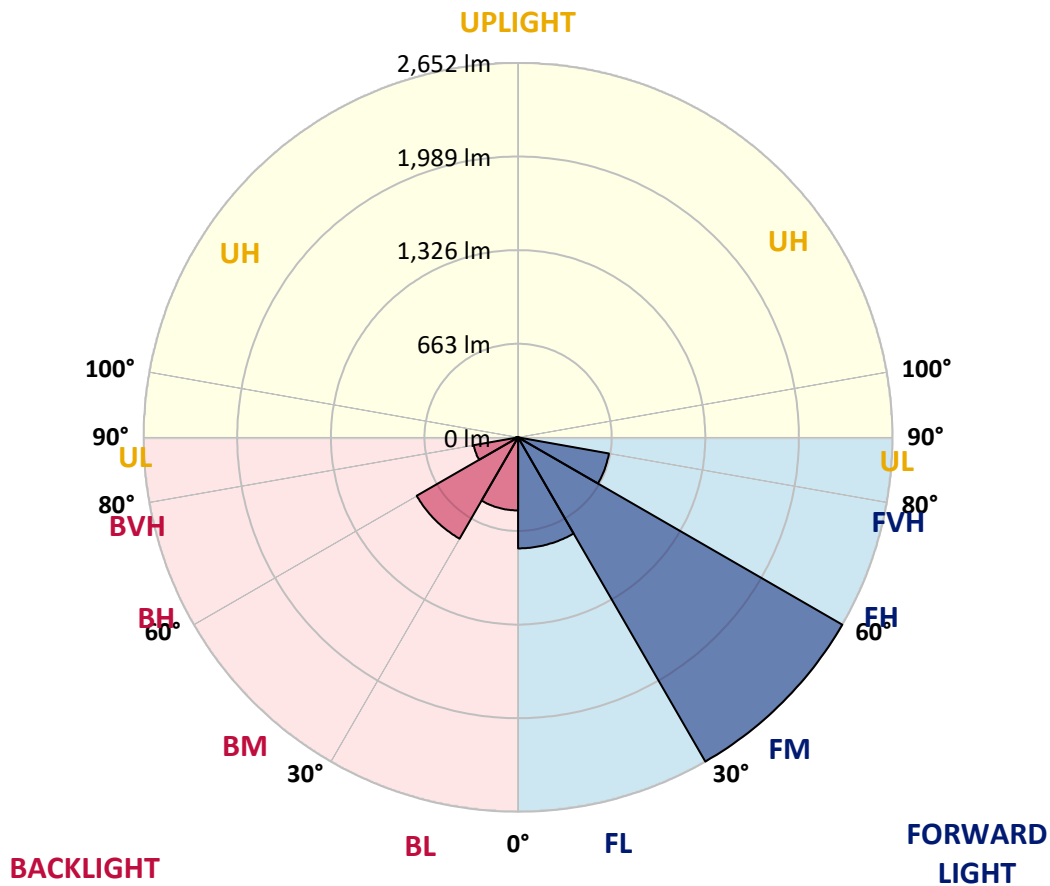
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	786.7	13.6			
FM (30°-60°)	2652.3	45.9			
FH (60°-80°)	653.4	11.3			G0/660
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	517.7	9.0	B2/1000		
BM (30°-60°)	828.9	14.3	B1/1000		
BH (60°-80°)	318.4	5.5	B1/500		G1/500
BVH (80°-90°)	15.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8
2.5°	2177.3	2181.7	2184.7	2195.1	2204.0	2211.9	2220.3	2220.3	2219.8	2218.3	2215.4
5°	2091.2	2096.2	2103.1	2117.4	2136.7	2150.6	2173.3	2175.3	2185.2	2189.2	2187.2
7.5°	1991.3	1992.8	2001.7	2020.5	2051.1	2075.9	2108.5	2112.5	2136.2	2150.1	2147.6
10°	1881.9	1877.0	1892.8	1920.5	1960.6	2002.2	2044.2	2047.7	2085.8	2112.0	2110.0
12.5°	1782.0	1782.5	1798.3	1832.0	1881.9	1933.4	1989.8	1997.7	2044.7	2078.3	2074.9
15°	1698.4	1700.4	1719.7	1757.8	1814.7	1876.0	1946.2	1953.7	2013.0	2057.6	2047.7
17.5°	1631.6	1633.6	1650.4	1693.9	1754.8	1829.0	1914.6	1922.0	1995.7	2048.7	2028.4
20°	1585.6	1584.6	1600.9	1642.5	1705.3	1786.0	1886.9	1897.8	1990.3	2052.1	2015.5
22.5°	1566.8	1566.3	1578.2	1612.3	1671.2	1752.8	1870.1	1884.9	1996.2	2067.5	2007.6
25°	1576.2	1574.2	1584.6	1609.8	1656.8	1739.9	1875.0	1890.8	2021.4	2099.1	2009.1
27.5°	1605.4	1602.9	1611.8	1634.6	1670.2	1753.3	1909.6	1927.9	2074.9	2157.0	2028.9
30°	1649.9	1648.4	1657.3	1679.1	1710.3	1797.8	1975.9	1996.7	2157.5	2247.0	2071.9
32.5°	1701.9	1699.4	1715.2	1740.4	1776.6	1879.0	2065.0	2092.2	2255.5	2362.8	2144.1
35°	1760.2	1758.3	1780.0	1816.6	1868.6	1991.8	2172.8	2202.5	2355.4	2493.9	2240.1
37.5°	1817.1	1817.1	1859.2	1913.6	1978.9	2114.5	2274.3	2293.1	2424.6	2610.2	2343.0
40°	1867.6	1870.6	1933.9	2015.5	2098.6	2225.3	2341.0	2356.9	2455.3	2690.3	2432.6
42.5°	1923.5	1926.0	1999.7	2106.5	2205.5	2314.8	2381.6	2389.5	2461.3	2730.4	2495.9
45°	1968.0	1971.5	2063.0	2177.3	2298.5	2382.1	2413.8	2420.7	2469.7	2752.2	2541.9
47.5°	1991.3	1996.2	2101.1	2234.2	2361.3	2442.5	2466.7	2469.7	2504.3	2790.3	2597.3
50°	1987.3	1997.2	2115.4	2262.4	2407.8	2503.3	2551.8	2556.7	2575.0	2846.2	2662.1
52.5°	2022.4	2026.9	2146.1	2296.0	2474.1	2615.6	2699.7	2706.6	2698.2	2888.2	2700.7
55°	1964.1	1985.3	2108.0	2291.1	2575.0	2789.3	2918.9	2915.4	2810.0	2935.2	2765.0
57.5°	1588.6	1619.7	1732.0	1944.8	2408.8	2911.0	3082.6	3074.2	2896.6	2971.3	2834.8
60°	1099.8	1104.7	1206.1	1357.0	1859.2	2571.6	3034.6	3052.9	2912.4	2925.8	2705.7
62.5°	879.6	878.1	887.5	891.5	1182.4	1807.7	2395.5	2462.2	2419.7	2279.7	1917.6
65°	751.0	756.4	784.1	769.8	771.8	1018.1	1431.2	1440.6	1411.0	1360.5	1014.2
67.5°	587.7	597.1	646.1	702.0	684.2	655.5	742.6	738.1	581.8	450.2	372.0
70°	368.1	374.0	426.5	551.1	595.6	538.3	477.4	475.4	311.7	256.3	281.0
72.5°	214.7	215.7	230.5	307.2	395.3	368.1	351.3	338.4	200.4	204.3	224.1
75°	118.2	118.2	117.7	132.6	155.8	138.0	133.6	130.1	134.1	151.9	166.7
77.5°	24.7	25.2	26.7	35.1	45.5	55.4	69.8	70.3	87.6	101.4	113.3
80°	11.4	11.9	14.8	18.8	24.2	32.2	42.5	43.0	52.9	63.8	71.7
82.5°	5.9	6.4	7.9	9.9	12.9	16.8	23.7	23.7	31.7	37.6	42.5
85°	2.0	2.0	3.0	4.0	5.4	6.9	9.4	9.4	13.9	18.3	21.3
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.0	2.5	3.0	4.9
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°	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8	2218.8
2.5°	2208.9	2193.6	2194.1	2197.1	2187.7	2173.3	2163.9	2152.1	2144.6	2143.1	2148.6
5°	2177.3	2159.5	2147.1	2134.2	2107.5	2075.9	2051.1	2030.8	2017.5	2012.5	2006.6
7.5°	2133.8	2110.5	2079.3	2043.2	1994.7	1938.3	1898.8	1861.7	1835.9	1828.5	1825.0
10°	2090.2	2056.6	2001.2	1933.9	1853.2	1777.1	1705.3	1650.4	1606.9	1582.1	1590.0
12.5°	2045.2	2003.6	1917.1	1813.7	1701.4	1586.6	1492.6	1401.6	1331.3	1296.2	1285.8
15°	2005.6	1949.2	1828.5	1688.5	1539.1	1394.6	1258.6	1122.0	1033.0	984.5	971.1
17.5°	1972.0	1898.8	1735.0	1560.9	1382.3	1176.5	1009.2	882.6	821.7	795.0	793.0
20°	1938.8	1849.3	1642.5	1423.3	1201.2	970.7	821.2	761.9	740.1	730.7	730.2
22.5°	1909.1	1797.3	1545.0	1285.8	1021.1	815.8	733.7	708.0	702.0	702.0	701.0
25°	1883.9	1745.4	1445.1	1139.8	858.3	726.3	688.2	677.3	679.8	684.2	684.7
27.5°	1873.5	1704.8	1348.6	989.9	746.0	674.3	657.0	655.5	662.4	669.4	670.4
30°	1884.4	1677.1	1249.7	846.5	678.8	642.6	634.7	637.7	646.1	653.0	653.0
32.5°	1918.0	1663.3	1148.8	741.6	639.7	620.4	617.9	620.9	627.3	631.3	631.8
35°	1974.9	1668.7	1044.4	670.8	614.4	604.1	603.6	605.5	608.0	610.5	611.0
37.5°	2046.7	1692.9	932.6	629.8	598.1	592.2	591.2	590.7	591.2	591.2	591.7
40°	2116.9	1729.6	832.6	605.5	586.7	581.8	579.3	575.9	575.4	574.4	573.9
42.5°	2168.9	1757.8	753.0	588.2	576.4	570.4	567.4	562.0	561.5	561.0	560.5
45°	2208.0	1781.5	686.7	571.4	565.5	560.0	553.6	548.7	549.6	550.6	550.6
47.5°	2252.0	1802.3	638.2	555.6	552.1	546.7	538.8	535.3	538.8	542.2	542.2
50°	2305.4	1831.5	598.6	539.7	538.3	531.8	524.9	523.4	527.4	532.3	532.3
52.5°	2344.5	1856.7	570.4	523.9	523.9	515.5	509.6	509.1	513.5	518.5	519.0
55°	2417.7	1915.6	560.5	505.6	503.6	497.2	492.7	489.3	494.7	499.2	499.2
57.5°	2500.3	1993.7	563.0	479.4	476.9	474.9	471.5	467.5	469.0	473.9	474.4
60°	2325.2	1842.4	535.8	453.2	451.7	450.7	446.2	439.3	441.3	445.3	445.7
62.5°	1624.2	1224.4	433.4	420.5	425.5	425.0	419.0	411.1	411.6	417.1	417.1
65°	843.0	662.4	380.4	390.8	398.3	395.3	385.4	378.5	377.5	384.4	382.9
67.5°	363.6	361.6	346.3	359.7	367.6	361.1	350.8	339.4	340.4	342.8	340.9
70°	292.9	301.8	308.2	322.6	329.0	317.1	305.7	299.3	293.9	293.4	289.9
72.5°	234.0	246.4	260.7	275.6	277.5	265.7	251.3	245.4	237.0	236.5	233.0
75°	176.1	186.5	197.9	209.8	209.8	198.4	189.0	186.0	176.1	173.2	170.2
77.5°	120.2	126.6	135.6	138.5	141.5	137.0	127.6	122.7	111.3	108.3	104.4
80°	75.7	80.1	85.6	87.6	90.5	85.1	77.7	72.2	64.3	61.8	59.9
82.5°	45.5	48.5	51.9	52.9	55.4	51.5	44.5	40.6	36.1	34.1	32.7
85°	23.3	24.7	26.7	27.2	26.7	22.8	20.3	18.3	15.3	14.8	13.9
87.5°	5.9	6.9	7.4	6.9	6.4	4.9	3.5	2.5	1.0	1.0	0.5
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)