

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: P632094

Luminaire Tested: GWS-SA2C-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632094
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-SA2C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5709.2 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

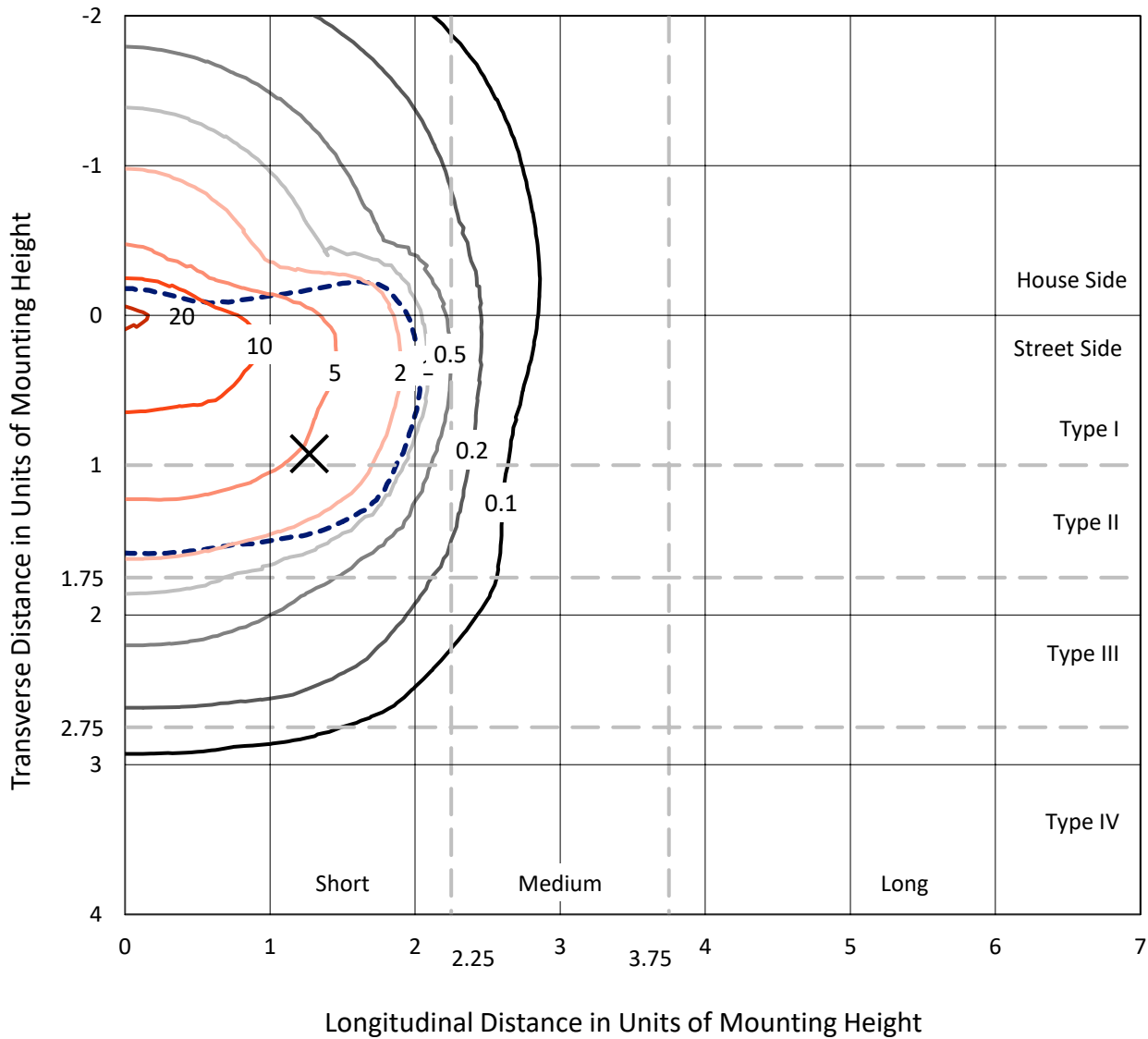
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

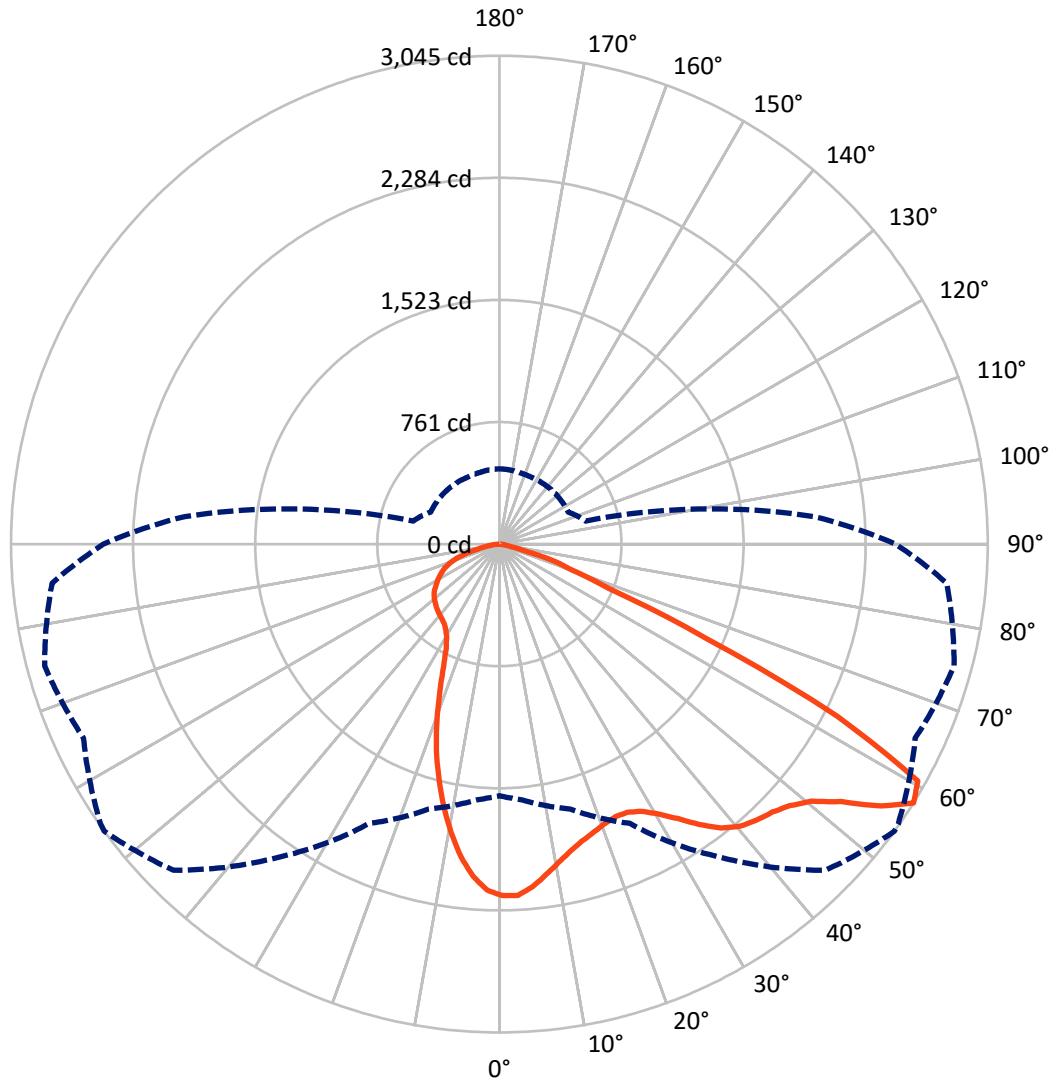
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.9 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	1659.7	0.0	1659.7
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	4049.5	0.0	4049.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	5709.2	0.0	5709.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	3.4
10°-20°	459.7	8.1
20°-30°	636.2	11.1
30°-40°	884.0	15.5
40°-50°	1167.5	20.4
50°-60°	1387.4	24.3
60°-70°	768.6	13.5
70°-80°	191.4	3.4
80°-90°	21.8	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°	5709.2	100.0
0°-180°	5709.2	100.0

Coefficient of Utilization



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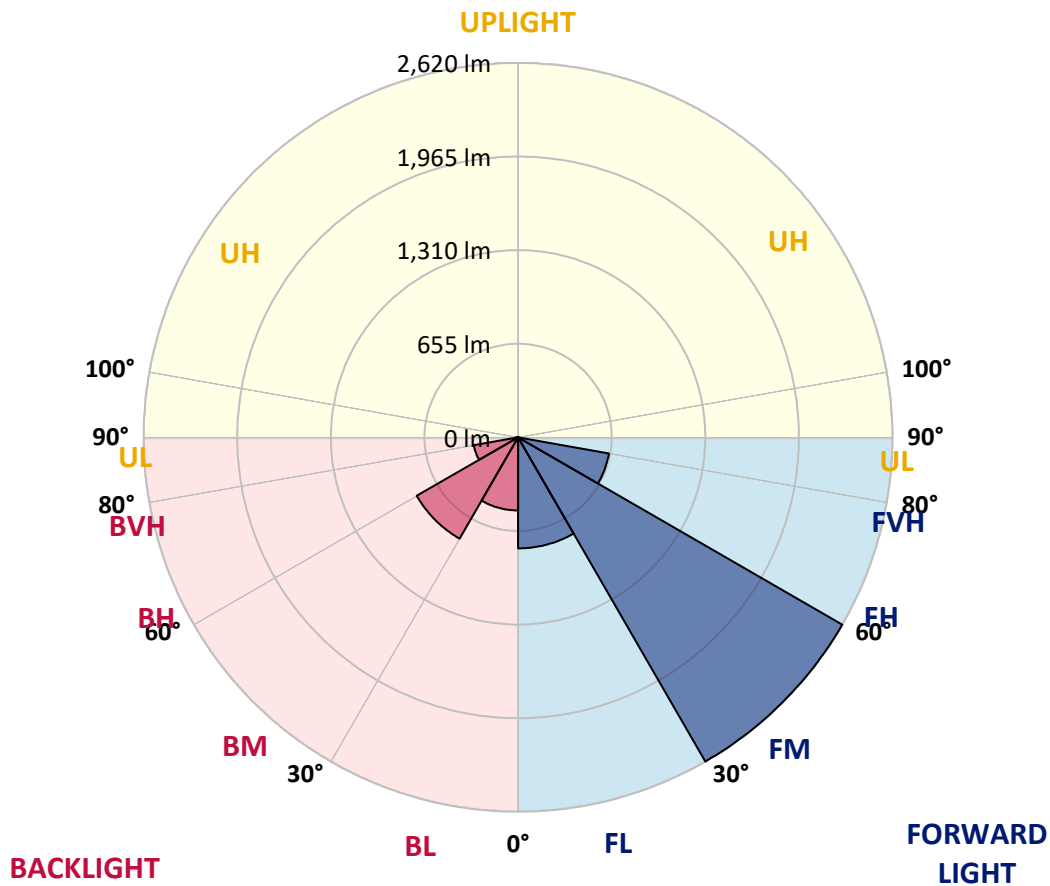
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	777.1	13.6			
FM (30°-60°)	2620.0	45.9			
FH (60°-80°)	645.5	11.3			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	511.5	9.0	B2/1000		
BM (30°-60°)	818.8	14.3	B1/1000		
BH (60°-80°)	314.5	5.5	B1/500		G1/500
BVH (80°-90°)	15.0	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°	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9
2.5°	2150.8	2155.2	2158.2	2168.4	2177.2	2185.0	2193.4	2193.4	2192.9	2191.4	2188.5
5°	2065.8	2070.7	2077.5	2091.7	2110.8	2124.4	2146.9	2148.9	2158.7	2162.6	2160.6
7.5°	1967.1	1968.5	1977.3	1995.9	2026.2	2050.7	2082.9	2086.8	2110.3	2124.0	2121.5
10°	1859.1	1854.2	1869.8	1897.2	1936.8	1977.8	2019.4	2022.8	2060.4	2086.3	2084.4
12.5°	1760.4	1760.8	1776.5	1809.7	1859.1	1909.9	1965.6	1973.4	2019.9	2053.1	2049.7
15°	1677.8	1679.7	1698.8	1736.4	1792.6	1853.2	1922.6	1929.9	1988.6	2032.6	2022.8
17.5°	1611.8	1613.7	1630.4	1673.4	1733.5	1806.8	1891.3	1898.7	1971.5	2023.8	2003.7
20°	1566.3	1565.4	1581.5	1622.5	1684.6	1764.3	1864.0	1874.7	1966.1	2027.2	1991.0
22.5°	1547.8	1547.3	1559.0	1592.7	1650.9	1731.5	1847.3	1862.0	1972.0	2042.3	1983.2
25°	1557.0	1555.1	1565.4	1590.3	1636.7	1718.8	1852.2	1867.9	1996.9	2073.6	1984.7
27.5°	1585.9	1583.4	1592.2	1614.7	1649.9	1732.0	1886.4	1904.5	2049.7	2130.8	2004.2
30°	1629.9	1628.4	1637.2	1658.7	1689.5	1776.0	1951.9	1972.5	2131.3	2219.7	2046.7
32.5°	1681.2	1678.7	1694.4	1719.3	1755.0	1856.1	2039.9	2066.8	2228.1	2334.1	2118.1
35°	1738.9	1736.9	1758.4	1794.6	1845.9	1967.6	2146.4	2175.8	2326.8	2463.6	2212.9
37.5°	1795.1	1795.1	1836.6	1890.4	1954.9	2088.8	2246.6	2265.2	2395.2	2578.5	2314.6
40°	1844.9	1847.8	1910.4	1991.0	2073.1	2198.2	2312.6	2328.2	2425.5	2657.6	2403.0
42.5°	1900.1	1902.6	1975.4	2081.0	2178.7	2286.7	2352.7	2360.5	2431.4	2697.2	2465.6
45°	1944.1	1947.5	2037.9	2150.8	2270.6	2353.2	2384.4	2391.3	2439.7	2718.7	2511.0
47.5°	1967.1	1972.0	2075.6	2207.0	2332.6	2412.8	2436.7	2439.7	2473.9	2756.4	2565.8
50°	1963.2	1972.9	2089.7	2234.9	2378.6	2472.9	2520.8	2525.7	2543.8	2811.6	2629.8
52.5°	1997.9	2002.3	2120.1	2268.1	2444.1	2583.8	2666.9	2673.8	2665.5	2853.1	2667.9
55°	1940.2	1961.2	2082.4	2263.2	2543.8	2755.4	2883.4	2880.0	2775.9	2899.6	2731.4
57.5°	1569.3	1600.1	1711.0	1921.1	2379.6	2875.6	3045.2	3036.9	2861.4	2935.2	2800.3
60°	1086.4	1091.3	1191.5	1340.5	1836.6	2540.3	2997.8	3015.9	2877.1	2890.3	2672.8
62.5°	868.9	867.5	876.8	880.7	1168.0	1785.8	2366.4	2432.3	2390.3	2252.0	1894.3
65°	741.9	747.2	774.6	760.4	762.4	1005.8	1413.9	1423.1	1393.8	1344.0	1001.9
67.5°	580.6	589.9	638.3	693.5	675.9	647.5	733.6	729.2	574.7	444.7	367.5
70°	363.6	369.5	421.3	544.4	588.4	531.7	471.6	469.7	307.9	253.2	277.6
72.5°	212.1	213.1	227.7	303.5	390.5	363.6	347.0	334.3	197.9	201.8	221.4
75°	116.8	116.8	116.3	131.0	153.9	136.4	132.0	128.5	132.4	150.0	164.7
77.5°	24.4	24.9	26.4	34.7	45.0	54.7	68.9	69.4	86.5	100.2	111.9
80°	11.2	11.7	14.7	18.6	23.9	31.8	42.0	42.5	52.3	63.0	70.9
82.5°	5.9	6.4	7.8	9.8	12.7	16.6	23.5	23.5	31.3	37.1	42.0
85°	2.0	2.0	2.9	3.9	5.4	6.8	9.3	9.3	13.7	18.1	21.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.0	2.4	2.9	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°	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9	2191.9
2.5°	2182.1	2167.0	2167.5	2170.4	2161.1	2146.9	2137.6	2125.9	2118.6	2117.1	2122.5
5°	2150.8	2133.2	2121.0	2108.3	2081.9	2050.7	2026.2	2006.2	1993.0	1988.1	1982.2
7.5°	2107.8	2084.9	2054.1	2018.4	1970.5	1914.8	1875.7	1839.0	1813.6	1806.3	1802.9
10°	2064.8	2031.6	1976.9	1910.4	1830.7	1755.5	1684.6	1630.4	1587.3	1562.9	1570.7
12.5°	2020.4	1979.3	1893.8	1791.6	1680.7	1567.3	1474.5	1384.5	1315.1	1280.4	1270.2
15°	1981.3	1925.5	1806.3	1668.0	1520.4	1377.7	1243.3	1108.4	1020.4	972.5	959.3
17.5°	1948.0	1875.7	1713.9	1541.9	1365.5	1162.2	997.0	871.9	811.8	785.4	783.4
20°	1915.3	1826.8	1622.5	1406.0	1186.6	958.9	811.3	752.6	731.1	721.8	721.3
22.5°	1886.0	1775.5	1526.3	1270.2	1008.7	805.9	724.8	699.4	693.5	693.5	692.5
25°	1861.0	1724.2	1427.5	1126.0	847.9	717.4	679.8	669.1	671.5	675.9	676.4
27.5°	1850.8	1684.1	1332.2	977.9	737.0	666.1	649.0	647.5	654.4	661.2	662.2
30°	1861.5	1656.7	1234.5	836.2	670.5	634.8	627.0	630.0	638.3	645.1	645.1
32.5°	1894.8	1643.1	1134.8	732.6	631.9	612.8	610.4	613.3	619.7	623.6	624.1
35°	1951.0	1648.4	1031.7	662.7	607.0	596.7	596.2	598.2	600.6	603.1	603.6
37.5°	2021.8	1672.4	921.2	622.1	590.9	585.0	584.0	583.5	584.0	584.0	584.5
40°	2091.2	1708.6	822.5	598.2	579.6	574.7	572.3	568.9	568.4	567.4	566.9
42.5°	2142.5	1736.4	743.8	581.1	569.4	563.5	560.6	555.2	554.7	554.2	553.7
45°	2181.1	1759.9	678.3	564.5	558.6	553.2	546.9	542.0	543.0	543.9	543.9
47.5°	2224.6	1780.4	630.4	548.8	545.4	540.0	532.2	528.8	532.2	535.6	535.6
50°	2277.4	1809.2	591.3	533.2	531.7	525.4	518.5	517.1	521.0	525.9	525.9
52.5°	2316.0	1834.2	563.5	517.6	517.6	509.2	503.4	502.9	507.3	512.2	512.7
55°	2388.4	1892.3	553.7	499.5	497.5	491.2	486.8	483.3	488.7	493.1	493.1
57.5°	2470.0	1969.5	556.2	473.6	471.1	469.2	465.7	461.8	463.3	468.2	468.7
60°	2297.0	1820.0	529.3	447.7	446.2	445.2	440.8	434.0	435.9	439.8	440.3
62.5°	1604.5	1209.6	428.1	415.4	420.3	419.8	413.9	406.1	406.6	412.0	412.0
65°	832.8	654.4	375.8	386.1	393.4	390.5	380.7	373.9	372.9	379.7	378.3
67.5°	359.2	357.3	342.1	355.3	363.1	356.8	346.5	335.3	336.2	338.7	336.7
70°	289.3	298.1	304.5	318.6	325.0	313.3	302.0	295.7	290.3	289.8	286.4
72.5°	231.2	243.4	257.6	272.2	274.2	262.4	248.3	242.4	234.1	233.6	230.2
75°	174.0	184.2	195.5	207.2	207.2	196.0	186.7	183.8	174.0	171.1	168.1
77.5°	118.8	125.1	133.9	136.8	139.8	135.4	126.1	121.2	110.0	107.0	103.1
80°	74.8	79.2	84.5	86.5	89.4	84.1	76.7	71.4	63.5	61.1	59.1
82.5°	45.0	47.9	51.3	52.3	54.7	50.8	44.0	40.1	35.7	33.7	32.3
85°	23.0	24.4	26.4	26.9	26.4	22.5	20.0	18.1	15.2	14.7	13.7
87.5°	5.9	6.8	7.3	6.8	6.4	4.9	3.4	2.4	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)