

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: P631874

Luminaire Tested: GWS-SA2B-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631874
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5911.9 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

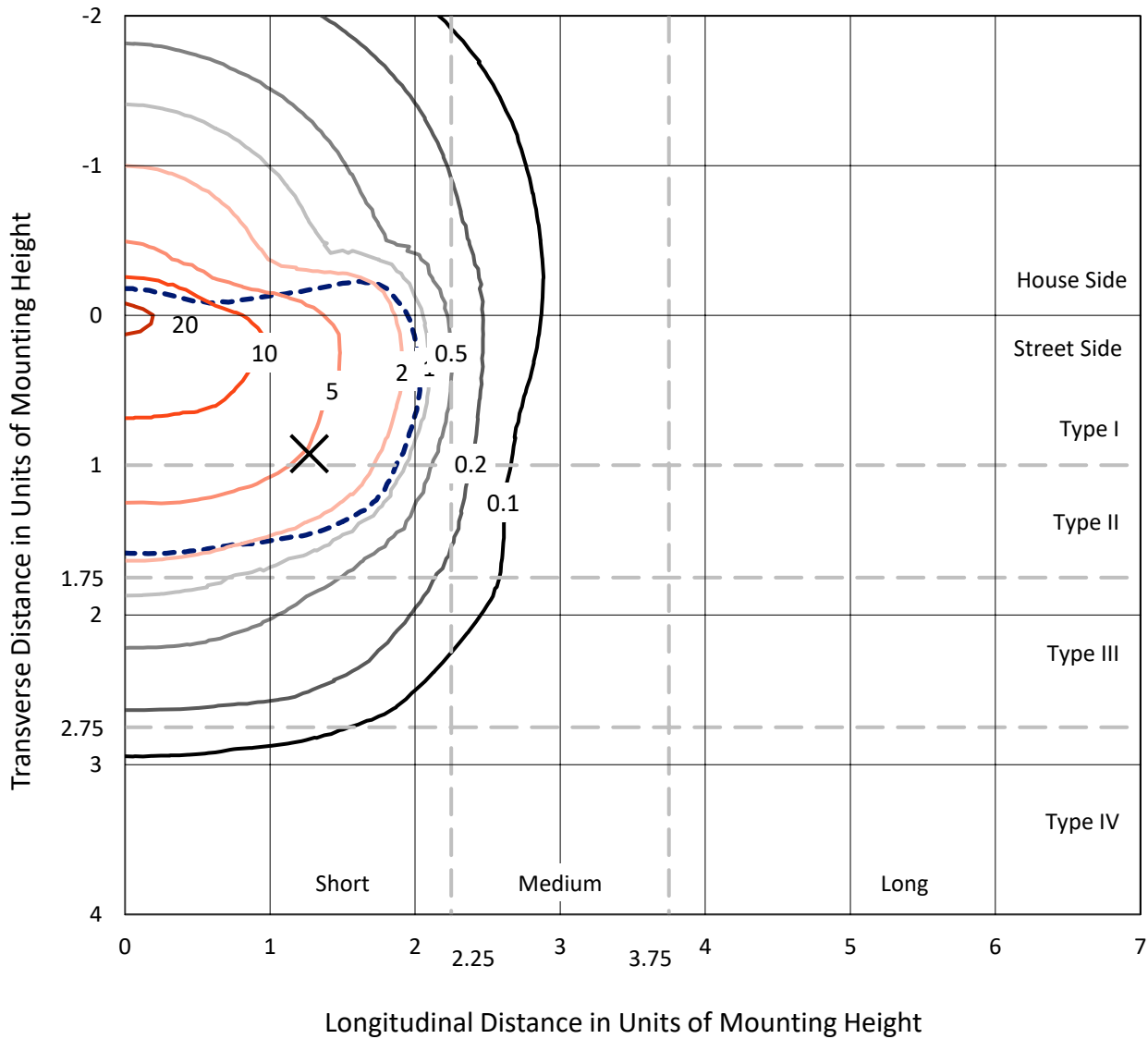
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

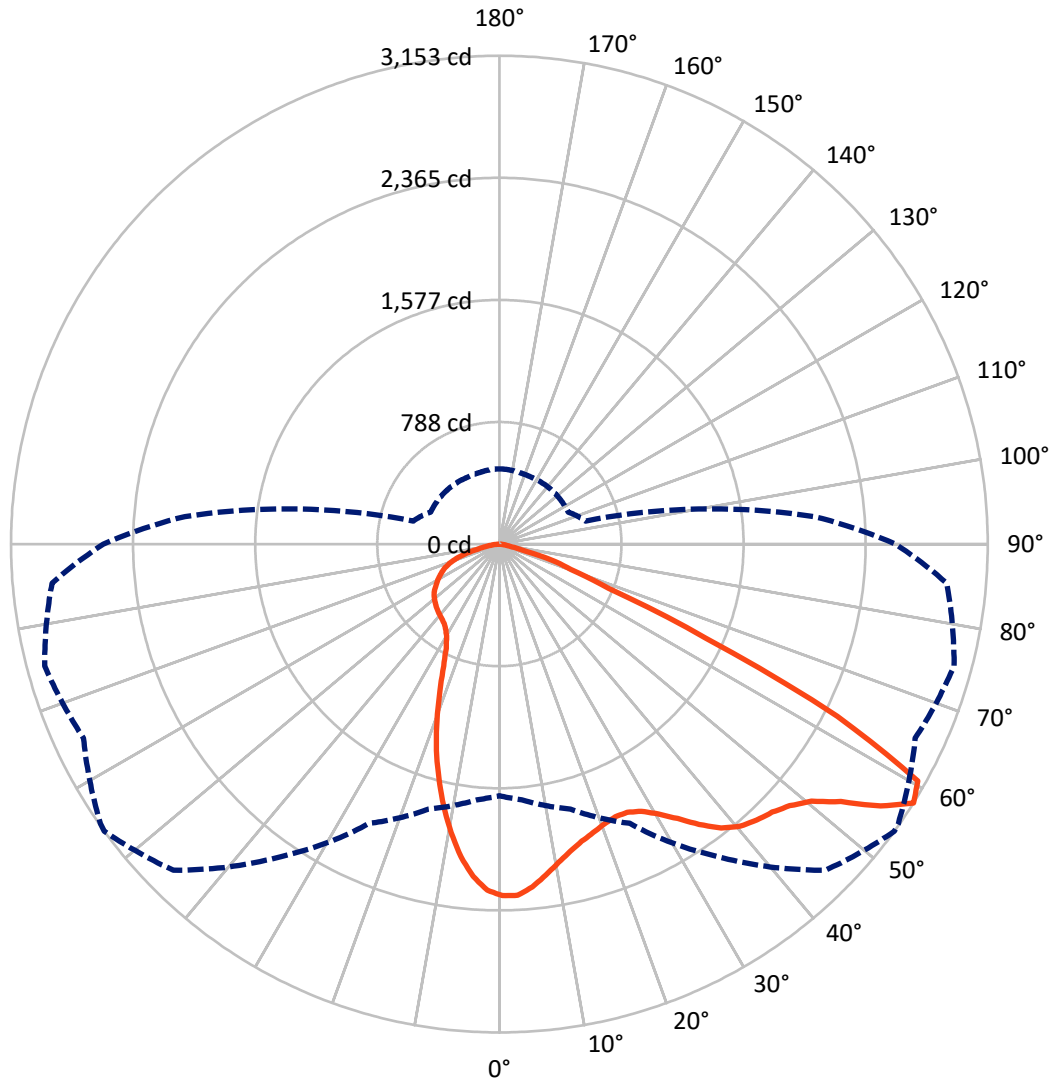
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.7 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	1718.6	0.0	1718.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	4193.2	0.0	4193.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	5911.9	0.0	5911.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.5	3.4
10°-20°	476.0	8.1
20°-30°	658.8	11.1
30°-40°	915.4	15.5
40°-50°	1208.9	20.4
50°-60°	1436.6	24.3
60°-70°	795.9	13.5
70°-80°	198.2	3.4
80°-90°	22.5	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°	5911.9	100.0
0°-180°	5911.9	100.0

Coefficient of Utilization



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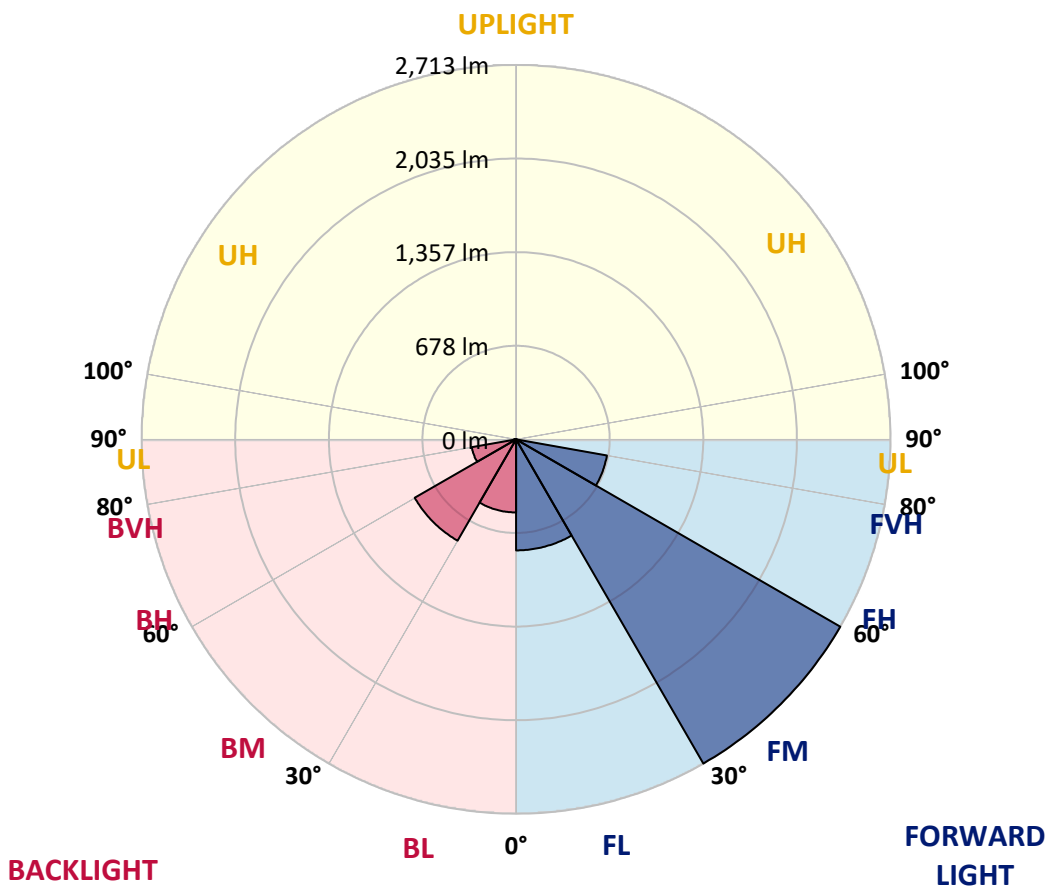
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.7	13.6			
FM (30°-60°)	2713.1	45.9			
FH (60°-80°)	668.4	11.3			G1/1800
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	529.6	9.0	B2/1000		
BM (30°-60°)	847.9	14.3	B1/1000		
BH (60°-80°)	325.7	5.5	B1/500		G1/500
BVH (80°-90°)	15.5	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°	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7
2.5°	2227.2	2231.8	2234.8	2245.4	2254.5	2262.6	2271.2	2271.2	2270.7	2269.2	2266.2
5°	2139.1	2144.2	2151.3	2166.0	2185.7	2199.9	2223.2	2225.2	2235.3	2239.3	2237.3
7.5°	2036.9	2038.4	2047.5	2066.8	2098.2	2123.5	2156.9	2160.9	2185.2	2199.4	2196.8
10°	1925.1	1920.0	1936.2	1964.6	2005.5	2048.1	2091.1	2094.6	2133.6	2160.4	2158.4
12.5°	1822.9	1823.4	1839.6	1874.0	1925.1	1977.7	2035.4	2043.5	2091.6	2126.0	2122.4
15°	1737.3	1739.4	1759.1	1798.1	1856.3	1919.0	1990.9	1998.5	2059.2	2104.7	2094.6
17.5°	1669.0	1671.0	1688.2	1732.8	1795.0	1870.9	1958.5	1966.1	2041.5	2095.6	2074.9
20°	1621.9	1620.9	1637.6	1680.1	1744.4	1826.9	1930.1	1941.3	2035.9	2099.2	2061.7
22.5°	1602.7	1602.2	1614.4	1649.3	1709.5	1793.0	1912.9	1928.1	2042.0	2114.9	2053.6
25°	1612.3	1610.3	1620.9	1646.7	1694.8	1779.8	1918.0	1934.2	2067.8	2147.2	2055.1
27.5°	1642.2	1639.7	1648.8	1672.0	1708.5	1793.5	1953.4	1972.1	2122.4	2206.5	2075.4
30°	1687.7	1686.2	1695.3	1717.6	1749.5	1839.0	2021.2	2042.5	2207.0	2298.6	2119.4
32.5°	1740.9	1738.3	1754.5	1780.3	1817.3	1922.0	2112.3	2140.2	2307.2	2417.0	2193.3
35°	1800.6	1798.6	1820.8	1858.3	1911.4	2037.4	2222.6	2253.0	2409.4	2551.1	2291.5
37.5°	1858.8	1858.8	1901.8	1957.5	2024.3	2162.9	2326.4	2345.6	2480.2	2670.0	2396.7
40°	1910.4	1913.4	1978.2	2061.7	2146.7	2276.3	2394.7	2410.9	2511.6	2752.0	2488.3
42.5°	1967.6	1970.1	2045.5	2154.8	2256.0	2367.9	2436.2	2444.3	2517.7	2793.0	2553.1
45°	2013.1	2016.7	2110.3	2227.2	2351.2	2436.7	2469.1	2476.2	2526.3	2815.3	2600.2
47.5°	2036.9	2042.0	2149.3	2285.4	2415.5	2498.5	2523.3	2526.3	2561.7	2854.2	2656.9
50°	2032.9	2043.0	2163.9	2314.2	2463.0	2560.7	2610.3	2615.4	2634.1	2911.4	2723.1
52.5°	2068.8	2073.4	2195.3	2348.7	2530.8	2675.6	2761.6	2768.7	2760.1	2954.4	2762.6
55°	2009.1	2030.8	2156.4	2343.6	2634.1	2853.2	2985.8	2982.3	2874.5	3002.5	2828.4
57.5°	1625.0	1656.9	1771.7	1989.4	2464.0	2977.7	3153.3	3144.7	2963.0	3039.4	2899.8
60°	1125.0	1130.0	1233.8	1388.1	1901.8	2630.5	3104.2	3122.9	2979.2	2992.9	2767.7
62.5°	899.8	898.3	907.9	911.9	1209.5	1849.2	2450.4	2518.7	2475.2	2332.0	1961.5
65°	768.2	773.8	802.1	787.4	789.5	1041.5	1464.1	1473.7	1443.3	1391.7	1037.4
67.5°	601.2	610.8	660.9	718.1	699.9	670.5	759.6	755.1	595.1	460.5	380.6
70°	376.5	382.6	436.2	563.8	609.3	550.6	488.4	486.3	318.8	262.1	287.4
72.5°	219.6	220.6	235.8	314.3	404.3	376.5	359.3	346.2	205.0	209.0	229.2
75°	121.0	121.0	120.4	135.6	159.4	141.2	136.6	133.1	137.1	155.4	170.5
77.5°	25.3	25.8	27.3	35.9	46.6	56.7	71.4	71.9	89.6	103.7	115.9
80°	11.6	12.1	15.2	19.2	24.8	32.9	43.5	44.0	54.1	65.3	73.4
82.5°	6.1	6.6	8.1	10.1	13.2	17.2	24.3	24.3	32.4	38.5	43.5
85°	2.0	2.0	3.0	4.0	5.6	7.1	9.6	9.6	14.2	18.7	21.8
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.0	2.5	3.0	5.1
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°	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7	2269.7
2.5°	2259.6	2243.9	2244.4	2247.4	2237.8	2223.2	2213.5	2201.4	2193.8	2192.3	2197.9
5°	2227.2	2209.0	2196.3	2183.2	2155.8	2123.5	2098.2	2077.4	2063.7	2058.7	2052.6
7.5°	2182.7	2158.9	2127.0	2090.1	2040.5	1982.8	1942.3	1904.3	1878.0	1870.4	1866.9
10°	2138.1	2103.7	2047.0	1978.2	1895.7	1817.8	1744.4	1688.2	1643.7	1618.4	1626.5
12.5°	2092.1	2049.6	1961.0	1855.2	1740.4	1623.0	1526.8	1433.7	1361.8	1325.9	1315.3
15°	2051.6	1993.9	1870.4	1727.2	1574.4	1426.6	1287.4	1147.8	1056.7	1007.1	993.4
17.5°	2017.2	1942.3	1774.8	1596.6	1414.0	1203.4	1032.4	902.8	840.6	813.3	811.2
20°	1983.3	1891.7	1680.1	1456.0	1228.7	992.9	840.1	779.3	757.1	747.5	747.0
22.5°	1952.9	1838.5	1580.4	1315.3	1044.5	834.5	750.5	724.2	718.1	718.1	717.1
25°	1927.1	1785.4	1478.2	1166.0	878.0	742.9	703.9	692.8	695.3	699.9	700.4
27.5°	1916.5	1743.9	1379.5	1012.6	763.1	689.8	672.1	670.5	677.6	684.7	685.7
30°	1927.6	1715.6	1278.3	865.9	694.3	657.4	649.3	652.3	660.9	668.0	668.0
32.5°	1962.0	1701.4	1175.1	758.6	654.3	634.6	632.1	635.1	641.7	645.7	646.2
35°	2020.2	1707.0	1068.3	686.2	628.5	617.9	617.4	619.4	622.0	624.5	625.0
37.5°	2093.6	1731.8	953.9	644.2	611.8	605.8	604.8	604.2	604.8	604.8	605.3
40°	2165.5	1769.2	851.7	619.4	600.2	595.1	592.6	589.1	588.6	587.5	587.0
42.5°	2218.6	1798.1	770.2	601.7	589.6	583.5	580.5	574.9	574.4	573.9	573.4
45°	2258.6	1822.3	702.4	584.5	578.4	572.9	566.3	561.2	562.2	563.3	563.3
47.5°	2303.6	1843.6	652.8	568.3	564.8	559.2	551.1	547.6	551.1	554.6	554.6
50°	2358.3	1873.5	612.3	552.1	550.6	544.0	536.9	535.4	539.5	544.5	544.5
52.5°	2398.3	1899.3	583.5	535.9	535.9	527.3	521.2	520.7	525.3	530.4	530.9
55°	2473.2	1959.5	573.4	517.2	515.2	508.6	504.0	500.5	506.1	510.6	510.6
57.5°	2557.7	2039.5	575.9	490.4	487.8	485.8	482.3	478.2	479.8	484.8	485.3
60°	2378.5	1884.6	548.1	463.6	462.0	461.0	456.5	449.4	451.4	455.5	456.0
62.5°	1661.4	1252.5	443.3	430.2	435.2	434.7	428.6	420.5	421.0	426.6	426.6
65°	862.3	677.6	389.2	399.8	407.4	404.3	394.2	387.1	386.1	393.2	391.7
67.5°	372.0	369.9	354.2	367.9	376.0	369.4	358.8	347.2	348.2	350.7	348.7
70°	299.6	308.7	315.3	330.0	336.5	324.4	312.7	306.2	300.6	300.1	296.6
72.5°	239.4	252.0	266.7	281.9	283.9	271.8	257.1	251.0	242.4	241.9	238.4
75°	180.2	190.8	202.4	214.6	214.6	202.9	193.3	190.3	180.2	177.1	174.1
77.5°	123.0	129.6	138.7	141.7	144.7	140.2	130.6	125.5	113.9	110.8	106.8
80°	77.4	82.0	87.5	89.6	92.6	87.0	79.5	73.9	65.8	63.3	61.2
82.5°	46.6	49.6	53.1	54.1	56.7	52.6	45.5	41.5	36.9	34.9	33.4
85°	23.8	25.3	27.3	27.8	27.3	23.3	20.7	18.7	15.7	15.2	14.2
87.5°	6.1	7.1	7.6	7.1	6.6	5.1	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)