

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: P631375

Luminaire Tested: GWS-SA1F-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 7340.1 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

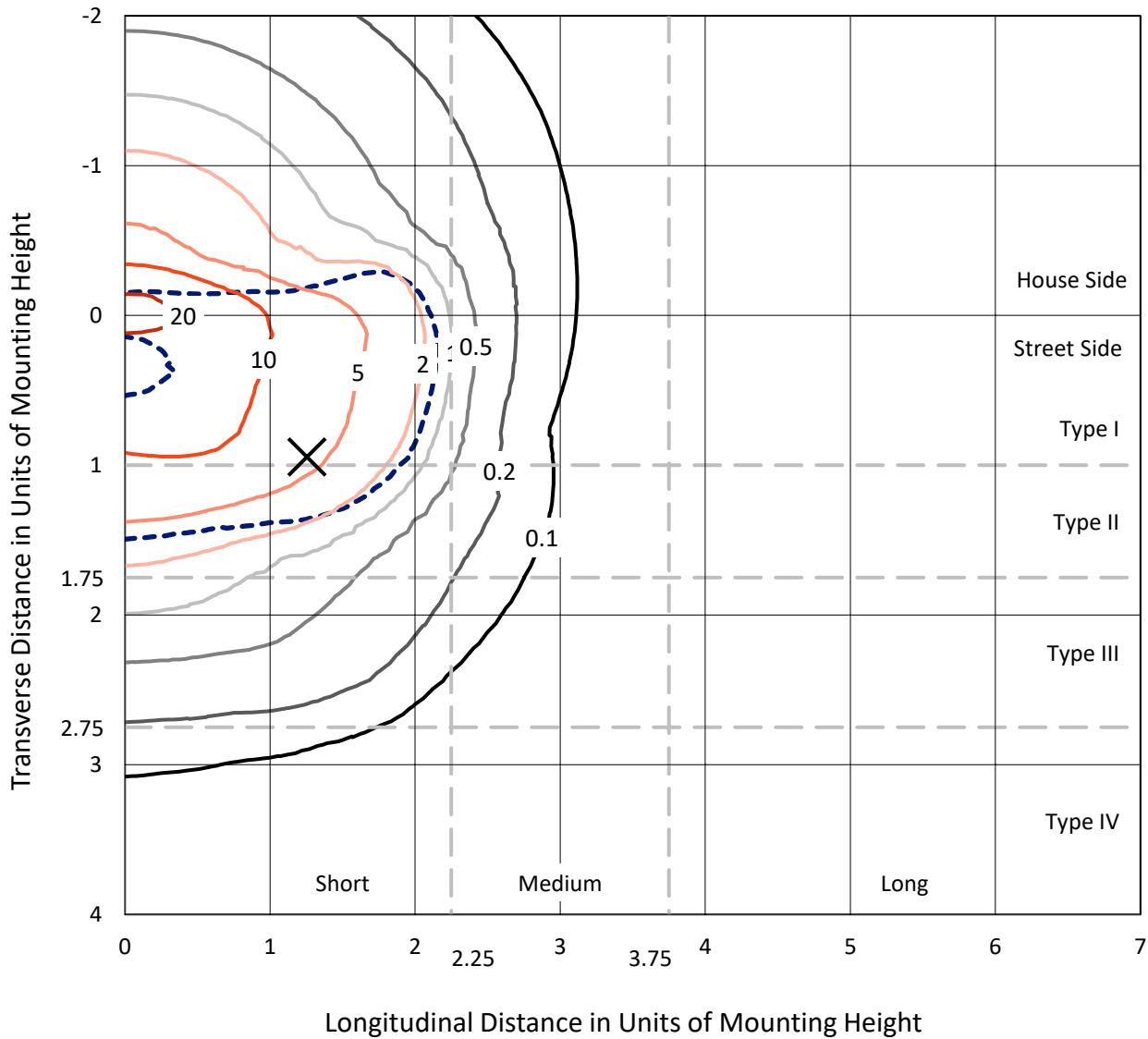
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

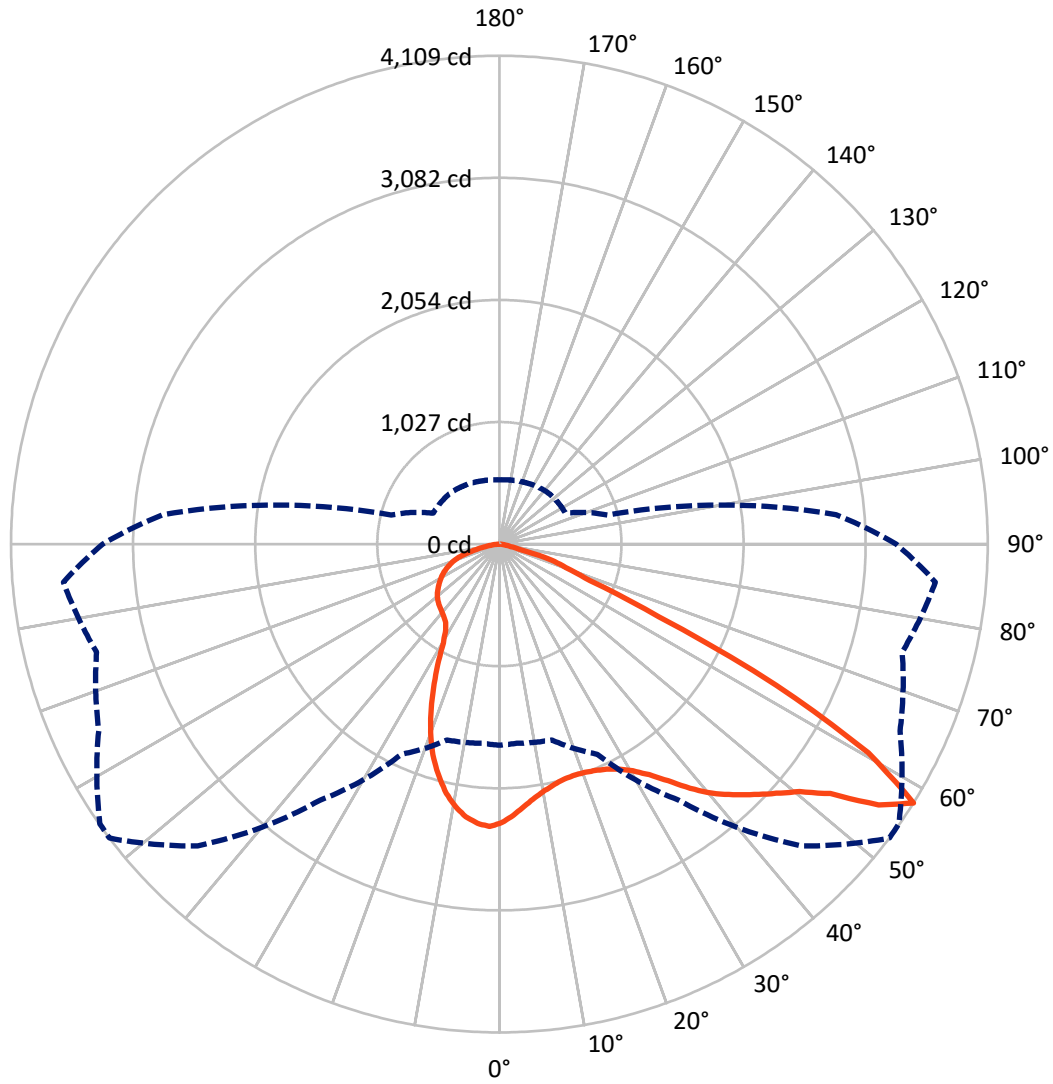
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2295.0	0.0	2295.0
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	5045.1	0.0	5045.1
	% Fixture	68.7	0.0	68.7
Total	Lumens	7340.1	0.0	7340.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.0	2.9
10°-20°	556.1	7.6
20°-30°	819.3	11.2
30°-40°	1146.8	15.6
40°-50°	1507.6	20.5
50°-60°	1767.6	24.1
60°-70°	1041.3	14.2
70°-80°	259.0	3.5
80°-90°	30.4	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°	7340.1	100.0
0°-180°	7340.1	100.0

Coefficient of Utilization



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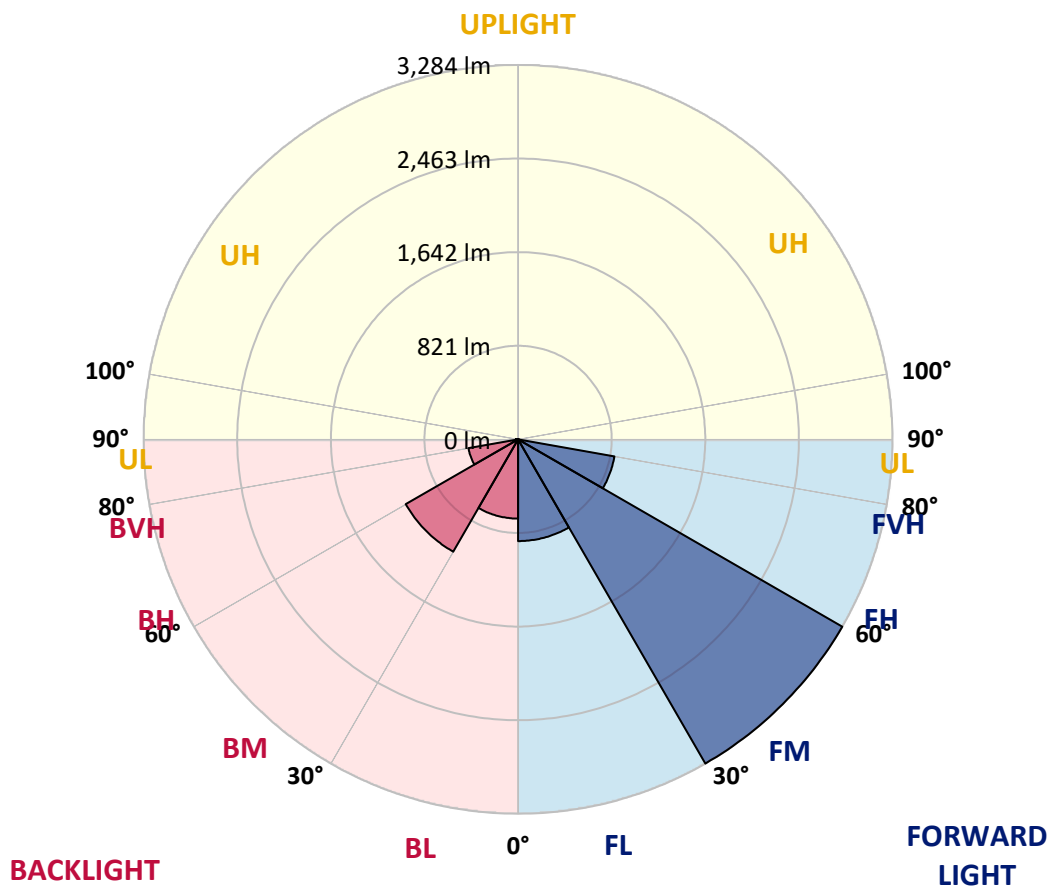
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	892.4	12.2			
FM (30°-60°)	3284.0	44.7			
FH (60°-80°)	858.5	11.7			G1/1800
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	694.9	9.5	B2/1000		
BM (30°-60°)	1138.0	15.5	B2/2500		
BH (60°-80°)	441.9	6.0	B1/500		G1/500
BVH (80°-90°)	20.2	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°	53°	55°	65°	75°	85°
0°	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9
2.5°	2209.2	2215.4	2216.6	2235.8	2237.0	2264.8	2283.3	2279.6	2298.8	2322.3	2340.8
5°	2103.6	2104.2	2110.4	2133.2	2145.6	2182.0	2212.9	2212.9	2250.0	2298.2	2339.6
7.5°	2016.5	2015.8	2021.4	2046.7	2067.1	2111.0	2153.0	2157.9	2209.8	2280.3	2347.6
10°	1935.5	1939.9	1946.0	1976.9	2002.9	2057.2	2107.3	2115.3	2180.8	2267.9	2358.7
12.5°	1883.6	1884.3	1893.5	1928.1	1961.5	2019.6	2072.1	2081.9	2157.3	2256.2	2366.8
15°	1850.3	1850.9	1860.8	1899.1	1938.0	1996.7	2050.4	2061.6	2143.7	2254.3	2382.2
17.5°	1835.5	1834.8	1844.1	1882.4	1925.0	1986.2	2043.6	2057.2	2149.9	2268.5	2409.4
20°	1835.5	1836.1	1841.0	1875.6	1918.9	1983.7	2050.4	2067.1	2174.0	2300.6	2451.4
22.5°	1861.4	1863.9	1866.3	1889.8	1923.8	1987.4	2068.4	2090.6	2225.9	2354.4	2506.4
25°	1912.1	1912.7	1915.1	1934.3	1949.7	1997.9	2098.0	2131.4	2306.8	2432.9	2575.6
27.5°	1980.0	1988.7	1991.1	2003.5	2003.5	2023.9	2144.3	2192.5	2416.2	2545.9	2663.9
30°	2075.2	2078.2	2082.6	2096.2	2081.3	2072.7	2212.3	2274.1	2542.8	2682.4	2770.2
32.5°	2158.6	2165.4	2188.8	2211.1	2184.5	2157.3	2312.4	2385.3	2664.5	2824.5	2883.2
35°	2229.6	2246.3	2291.4	2340.8	2322.3	2295.1	2445.2	2521.2	2764.6	2926.5	2983.3
37.5°	2315.5	2328.4	2390.2	2470.5	2487.2	2474.2	2607.1	2661.4	2831.3	2952.4	3037.7
40°	2402.6	2422.4	2502.0	2613.2	2676.9	2686.1	2756.6	2793.0	2854.2	2901.8	3027.2
42.5°	2491.5	2525.5	2634.9	2764.6	2877.7	2898.7	2882.6	2898.0	2846.8	2831.9	2978.4
45°	2600.3	2640.4	2764.0	2929.6	3078.4	3111.2	3006.2	2992.0	2845.5	2805.4	2948.1
47.5°	2728.8	2768.9	2886.9	3079.7	3270.0	3294.1	3132.8	3106.9	2888.8	2846.2	2988.9
50°	2842.4	2870.2	2975.9	3191.5	3448.5	3462.7	3272.4	3240.9	2996.3	2959.2	3116.1
52.5°	2726.9	2723.8	2835.0	3100.7	3541.2	3712.3	3487.4	3457.1	3203.9	3147.0	3313.2
55°	2313.6	2278.4	2377.9	2639.2	3282.3	3934.1	3872.9	3812.4	3480.6	3336.1	3497.9
57.5°	1691.5	1681.6	1705.7	1951.0	2629.3	3590.6	4108.9	4103.4	3719.7	3509.0	3682.0
60°	1322.7	1307.9	1243.6	1250.4	1792.2	2804.8	3565.9	3729.6	3868.0	3612.8	3810.5
62.5°	1174.4	1163.3	1129.9	1037.9	1067.5	1880.6	2613.9	2764.0	3379.9	3190.9	3273.0
65°	972.4	969.3	997.1	993.4	894.6	1038.5	1475.3	1626.6	2125.2	2151.8	2125.2
67.5°	706.8	701.2	771.6	910.6	861.2	784.0	822.3	874.8	1089.8	978.6	881.0
70°	459.6	451.6	492.4	657.9	771.0	683.3	592.5	583.8	599.3	372.5	402.8
72.5°	308.3	299.0	298.4	362.0	465.8	460.3	459.0	454.7	405.9	294.1	326.2
75°	171.7	164.3	162.5	156.3	166.8	169.9	181.0	187.2	202.6	223.0	247.1
77.5°	29.0	28.4	35.8	45.7	63.0	80.9	100.1	105.6	130.4	154.4	169.9
80°	16.1	16.7	21.6	26.6	35.2	48.2	61.8	65.5	80.3	93.3	105.6
82.5°	8.6	8.6	11.1	14.2	19.2	25.3	33.4	36.4	46.3	54.4	63.0
85°	3.1	3.1	4.3	5.6	8.0	10.5	13.0	14.8	20.4	27.8	31.5
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.5	2.5	3.1	5.6	8.0
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°	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9	2343.9
2.5°	2356.2	2339.6	2362.4	2372.9	2376.6	2379.1	2363.0	2351.9	2348.2	2336.5	2329.7
5°	2364.9	2353.8	2375.4	2375.4	2360.0	2343.9	2311.1	2288.3	2272.2	2253.1	2250.0
7.5°	2379.7	2371.7	2383.4	2359.3	2320.4	2277.2	2220.3	2175.9	2140.0	2116.5	2117.2
10°	2399.5	2389.6	2380.3	2326.6	2255.5	2175.9	2088.7	2023.9	1964.6	1937.4	1922.6
12.5°	2412.5	2398.3	2359.3	2270.4	2166.0	2059.1	1936.2	1839.8	1753.9	1715.0	1711.9
15°	2428.5	2402.6	2324.7	2197.5	2052.3	1906.5	1748.3	1614.3	1498.1	1437.6	1434.5
17.5°	2449.5	2406.9	2283.3	2114.1	1932.4	1717.5	1518.5	1349.9	1226.3	1179.4	1187.4
20°	2479.2	2411.8	2236.4	2021.4	1783.6	1502.5	1254.7	1099.7	1052.1	1049.0	1042.8
22.5°	2512.5	2414.9	2184.5	1917.6	1603.2	1273.3	1036.7	970.5	969.9	985.4	989.1
25°	2550.2	2417.4	2125.8	1796.5	1407.9	1044.7	916.8	897.0	912.5	941.5	945.2
27.5°	2598.4	2422.4	2054.8	1663.7	1200.4	902.6	850.7	845.8	864.3	891.5	890.2
30°	2669.5	2440.3	1979.4	1511.1	987.2	835.3	810.5	811.2	818.6	831.5	833.4
32.5°	2741.7	2468.1	1905.9	1339.4	864.9	796.9	785.8	784.6	784.6	790.2	791.4
35°	2810.3	2499.6	1826.2	1160.2	805.6	774.7	767.3	763.6	761.7	760.5	758.6
37.5°	2848.6	2515.0	1748.3	983.5	774.1	759.9	752.5	747.5	740.7	735.8	734.6
40°	2831.9	2497.1	1658.1	851.3	754.9	745.7	737.0	730.2	721.0	716.6	714.2
42.5°	2776.3	2441.5	1559.9	788.9	739.5	730.2	719.7	708.6	702.4	698.7	698.1
45°	2717.7	2374.2	1441.3	752.5	724.7	713.5	701.2	688.8	682.0	680.2	679.6
47.5°	2715.8	2340.8	1315.3	723.4	706.8	695.6	680.2	667.8	660.4	657.9	655.5
50°	2797.3	2374.8	1173.2	698.1	688.2	676.5	659.2	645.6	636.3	633.2	632.6
52.5°	2966.6	2502.7	1045.9	672.8	663.5	649.9	635.7	622.1	611.0	605.4	604.8
55°	3149.5	2665.1	966.8	646.8	634.5	622.7	609.8	594.9	582.6	573.9	572.7
57.5°	3338.5	2842.4	942.7	614.1	604.8	596.8	581.3	565.3	551.1	543.0	541.2
60°	3494.2	2995.0	987.8	579.5	574.5	564.0	549.8	534.4	524.5	518.3	517.1
62.5°	2925.2	2438.4	797.6	541.8	541.8	530.7	514.6	503.5	496.7	492.4	491.1
65°	1856.5	1509.9	544.3	504.1	503.5	488.7	475.1	467.7	464.6	457.8	456.5
67.5°	808.7	690.1	465.2	465.8	463.3	447.3	433.7	428.1	422.0	414.5	413.9
70°	419.5	427.5	416.4	423.2	418.9	399.7	386.7	378.1	365.1	357.7	358.3
72.5°	338.5	347.2	359.6	370.1	360.8	345.3	325.0	314.5	297.8	289.7	290.4
75°	258.2	267.5	279.2	290.4	282.9	263.8	250.8	240.3	221.2	211.9	213.8
77.5°	177.9	182.9	197.1	196.5	194.0	188.4	169.3	156.9	137.1	126.0	127.3
80°	110.6	113.7	120.5	123.6	122.3	114.9	99.5	90.2	78.5	71.7	72.3
82.5°	66.7	68.6	74.8	75.4	74.8	69.2	57.5	50.7	43.2	39.5	39.5
85°	34.0	35.2	38.9	38.9	35.2	29.7	26.6	23.5	19.2	17.3	17.3
87.5°	9.3	9.3	11.7	9.9	8.0	7.4	3.7	3.1	1.2	0.6	0.6
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)