

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: P631320

Luminaire Tested: GWS-SA1F-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631320
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7175.6 lumens
Efficiency: N/A
Efficacy: 106.8 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

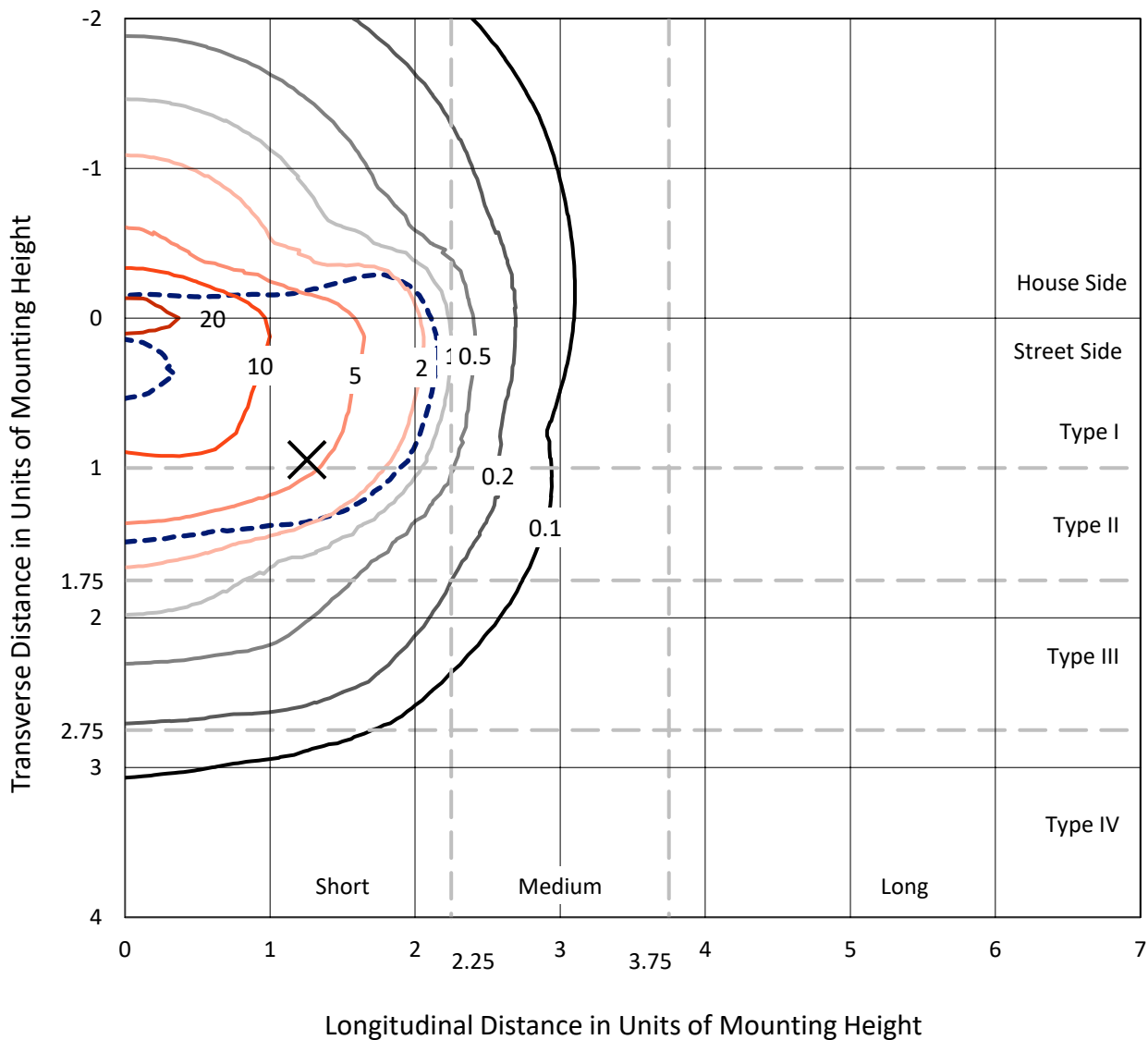
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

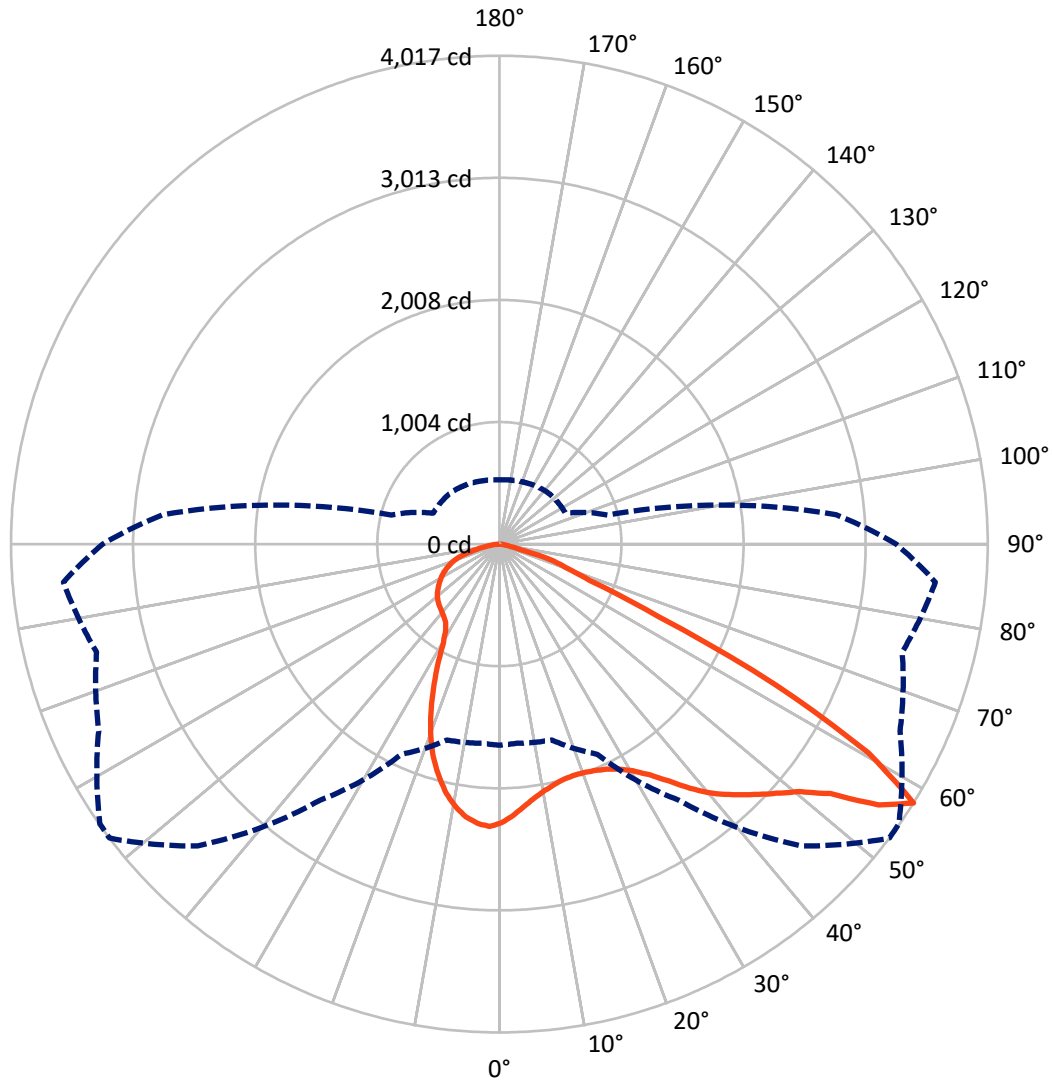
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.9 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	2243.6	0.0	2243.6
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	4932.0	0.0	4932.0
	% Fixture	68.7	0.0	68.7
Total	Lumens	7175.6	0.0	7175.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.2	2.9
10°-20°	543.6	7.6
20°-30°	800.9	11.2
30°-40°	1121.1	15.6
40°-50°	1473.8	20.5
50°-60°	1728.0	24.1
60°-70°	1018.0	14.2
70°-80°	253.2	3.5
80°-90°	29.7	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°	7175.6	100.0
0°-180°	7175.6	100.0

Coefficient of Utilization



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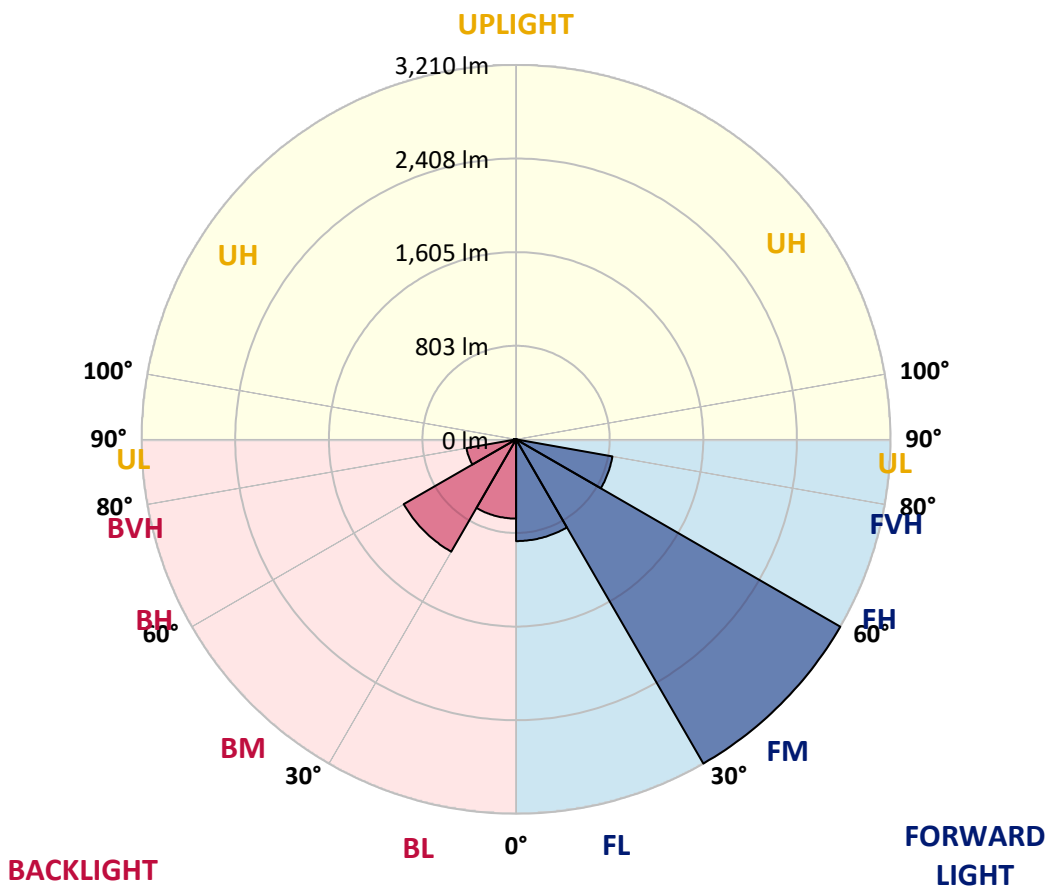
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	872.4	12.2			
FM (30°-60°)	3210.4	44.7			
FH (60°-80°)	839.3	11.7			G1/1800
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	679.4	9.5	B2/1000		
BM (30°-60°)	1112.5	15.5	B2/2500		
BH (60°-80°)	432.0	6.0	B1/500		G1/500
BVH (80°-90°)	19.8	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°	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4
2.5°	2159.7	2165.7	2167.0	2185.7	2186.9	2214.1	2232.2	2228.6	2247.3	2270.2	2288.3
5°	2056.4	2057.0	2063.1	2085.4	2097.5	2133.1	2163.3	2163.3	2199.6	2246.7	2287.1
7.5°	1971.3	1970.7	1976.1	2000.9	2020.8	2063.7	2104.7	2109.6	2160.3	2229.2	2295.0
10°	1892.2	1896.4	1902.4	1932.6	1958.0	2011.1	2060.1	2067.9	2131.9	2217.1	2305.9
12.5°	1841.4	1842.0	1851.1	1884.9	1917.5	1974.3	2025.6	2035.3	2109.0	2205.6	2313.7
15°	1808.8	1809.4	1819.1	1856.5	1894.6	1951.9	2004.5	2015.4	2095.7	2203.8	2328.8
17.5°	1794.3	1793.7	1802.8	1840.2	1881.9	1941.7	1997.8	2011.1	2101.7	2217.7	2355.4
20°	1794.3	1794.9	1799.8	1833.6	1875.8	1939.3	2004.5	2020.8	2125.3	2249.1	2396.4
22.5°	1819.7	1822.1	1824.5	1847.5	1880.7	1942.9	2022.0	2043.7	2176.0	2301.6	2450.2
25°	1869.2	1869.8	1872.2	1890.9	1906.0	1953.2	2051.0	2083.6	2255.1	2378.3	2517.8
27.5°	1935.6	1944.1	1946.5	1958.6	1958.6	1978.5	2096.3	2143.4	2362.0	2488.9	2604.2
30°	2028.6	2031.7	2035.9	2049.2	2034.7	2026.2	2162.7	2223.1	2485.8	2622.3	2708.1
32.5°	2110.2	2116.8	2139.8	2161.5	2135.5	2109.0	2260.6	2331.8	2604.8	2761.2	2818.6
35°	2179.6	2195.9	2240.0	2288.3	2270.2	2243.7	2390.4	2464.7	2702.6	2860.9	2916.4
37.5°	2263.6	2276.3	2336.7	2415.2	2431.5	2418.8	2548.6	2601.8	2767.9	2886.2	2969.6
40°	2348.7	2368.1	2446.0	2554.7	2616.9	2625.9	2694.8	2730.4	2790.2	2836.7	2959.3
42.5°	2435.7	2468.9	2575.8	2702.6	2813.2	2833.7	2818.0	2833.1	2783.0	2768.5	2911.6
45°	2542.0	2581.3	2702.0	2863.9	3009.5	3041.5	2938.8	2924.9	2781.8	2742.5	2882.0
47.5°	2667.6	2706.9	2822.2	3010.7	3196.7	3220.2	3062.6	3037.2	2824.0	2782.4	2921.9
50°	2778.7	2805.9	2909.2	3120.0	3371.2	3385.1	3199.1	3168.3	2929.1	2892.9	3046.3
52.5°	2665.8	2662.8	2771.5	3031.2	3461.8	3629.1	3409.3	3379.7	3132.1	3076.5	3239.0
55°	2261.8	2227.3	2324.6	2580.0	3208.8	3845.9	3786.1	3726.9	3402.6	3261.3	3419.5
57.5°	1653.6	1643.9	1667.5	1907.3	2570.4	3510.1	4016.8	4011.4	3636.3	3430.4	3599.5
60°	1293.0	1278.5	1215.7	1222.4	1752.0	2741.9	3486.0	3646.0	3781.3	3531.9	3725.1
62.5°	1148.1	1137.2	1104.6	1014.6	1043.6	1838.4	2555.3	2702.0	3304.2	3119.4	3199.7
65°	950.6	947.6	974.8	971.1	874.5	1015.2	1442.2	1590.2	2077.6	2103.5	2077.6
67.5°	690.9	685.5	754.3	890.2	841.9	766.4	803.8	855.2	1065.4	956.6	861.2
70°	449.3	441.5	481.3	643.2	753.7	668.0	579.2	570.7	585.8	364.2	393.8
72.5°	301.4	292.3	291.7	353.9	455.4	449.9	448.7	444.5	396.8	287.5	318.9
75°	167.9	160.6	158.8	152.8	163.1	166.1	177.0	183.0	198.1	218.0	241.6
77.5°	28.4	27.8	35.0	44.7	61.6	79.1	97.8	103.3	127.4	151.0	166.1
80°	15.7	16.3	21.1	26.0	34.4	47.1	60.4	64.0	78.5	91.2	103.3
82.5°	8.5	8.5	10.9	13.9	18.7	24.8	32.6	35.6	45.3	53.1	61.6
85°	3.0	3.0	4.2	5.4	7.9	10.3	12.7	14.5	19.9	27.2	30.8
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	2.4	3.0	5.4	7.9
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°	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4
2.5°	2303.4	2287.1	2309.5	2319.7	2323.4	2325.8	2310.1	2299.2	2295.6	2284.1	2277.5
5°	2311.9	2301.0	2322.2	2322.2	2307.1	2291.4	2259.4	2237.0	2221.3	2202.6	2199.6
7.5°	2326.4	2318.5	2330.0	2306.5	2268.4	2226.1	2170.6	2127.1	2092.1	2069.1	2069.7
10°	2345.7	2336.1	2327.0	2274.5	2205.0	2127.1	2041.9	1978.5	1920.5	1894.0	1879.5
12.5°	2358.4	2344.5	2306.5	2219.5	2117.4	2012.9	1892.8	1798.5	1714.6	1676.5	1673.5
15°	2374.1	2348.7	2272.6	2148.2	2006.3	1863.8	1709.2	1578.1	1464.6	1405.4	1402.4
17.5°	2394.6	2353.0	2232.2	2066.7	1889.1	1679.0	1484.5	1319.6	1198.8	1152.9	1160.8
20°	2423.6	2357.8	2186.3	1976.1	1743.6	1468.8	1226.6	1075.0	1028.5	1025.5	1019.5
22.5°	2456.2	2360.8	2135.5	1874.6	1567.2	1244.7	1013.4	948.8	948.2	963.3	966.9
25°	2493.1	2363.2	2078.2	1756.3	1376.4	1021.3	896.3	876.9	892.0	920.4	924.0
27.5°	2540.2	2368.1	2008.7	1626.4	1173.5	882.4	831.6	826.8	844.9	871.5	870.3
30°	2609.6	2385.6	1935.0	1477.2	965.1	816.5	792.4	793.0	800.2	812.9	814.7
32.5°	2680.3	2412.8	1863.2	1309.4	845.5	779.1	768.2	767.0	767.0	772.4	773.7
35°	2747.3	2443.6	1785.3	1134.2	787.5	757.3	750.1	746.5	744.7	743.5	741.6
37.5°	2784.8	2458.7	1709.2	961.5	756.7	742.9	735.6	730.8	724.1	719.3	718.1
40°	2768.5	2441.1	1621.0	832.2	738.0	729.0	720.5	713.9	704.8	700.6	698.2
42.5°	2714.1	2386.8	1525.0	771.2	722.9	713.9	703.6	692.7	686.7	683.1	682.5
45°	2656.7	2321.0	1409.0	735.6	708.4	697.6	685.5	673.4	666.8	664.9	664.3
47.5°	2654.9	2288.3	1285.8	707.2	690.9	680.0	664.9	652.9	645.6	643.2	640.8
50°	2734.7	2321.6	1146.9	682.5	672.8	661.3	644.4	631.1	622.1	619.0	618.4
52.5°	2900.1	2446.6	1022.5	657.7	648.6	635.3	621.5	608.2	597.3	591.9	591.3
55°	3078.9	2605.4	945.2	632.3	620.3	608.8	596.1	581.6	569.5	561.1	559.9
57.5°	3263.7	2778.7	921.6	600.3	591.3	583.4	568.3	552.6	538.7	530.9	529.1
60°	3415.9	2927.9	965.7	566.5	561.7	551.4	537.5	522.4	512.7	506.7	505.5
62.5°	2859.7	2383.8	779.7	529.7	529.7	518.8	503.1	492.2	485.6	481.3	480.1
65°	1814.9	1476.0	532.1	492.8	492.2	477.7	464.4	457.2	454.2	447.5	446.3
67.5°	790.6	674.6	454.8	455.4	453.0	437.3	424.0	418.5	412.5	405.2	404.6
70°	410.1	417.9	407.1	413.7	409.5	390.8	378.1	369.6	356.9	349.7	350.3
72.5°	331.0	339.4	351.5	361.8	352.7	337.6	317.7	307.4	291.1	283.2	283.9
75°	252.4	261.5	273.0	283.9	276.6	257.9	245.2	234.9	216.2	207.2	209.0
77.5°	173.9	178.8	192.7	192.1	189.6	184.2	165.5	153.4	134.1	123.2	124.4
80°	108.1	111.1	117.8	120.8	119.6	112.3	97.2	88.2	76.7	70.1	70.7
82.5°	65.2	67.0	73.1	73.7	73.1	67.6	56.2	49.5	42.3	38.7	38.7
85°	33.2	34.4	38.0	38.0	34.4	29.0	26.0	22.9	18.7	16.9	16.9
87.5°	9.1	9.1	11.5	9.7	7.9	7.2	3.6	3.0	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)