

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: P633082

Luminaire Tested: GWS-SA2E-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10561.6 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

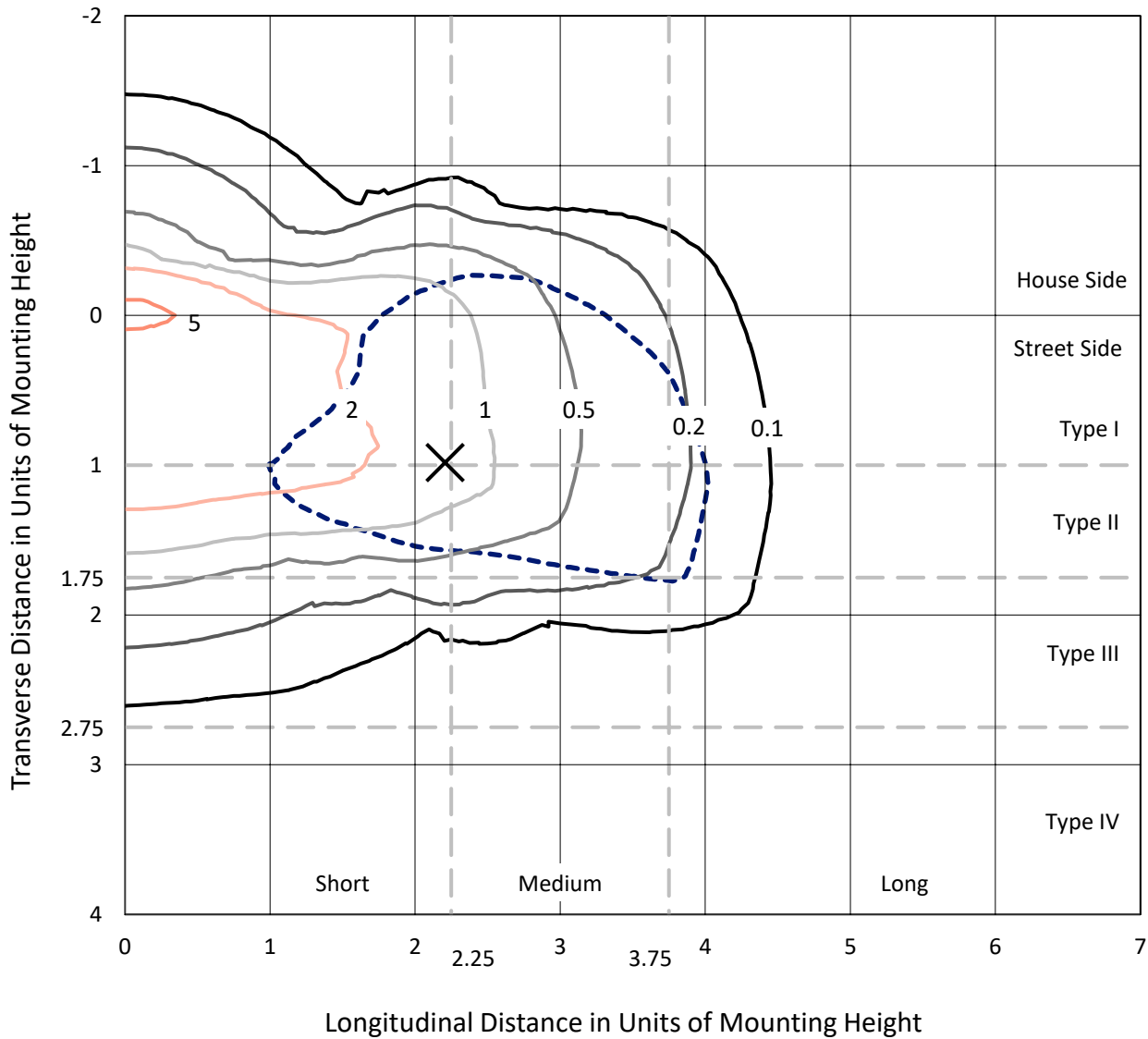
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

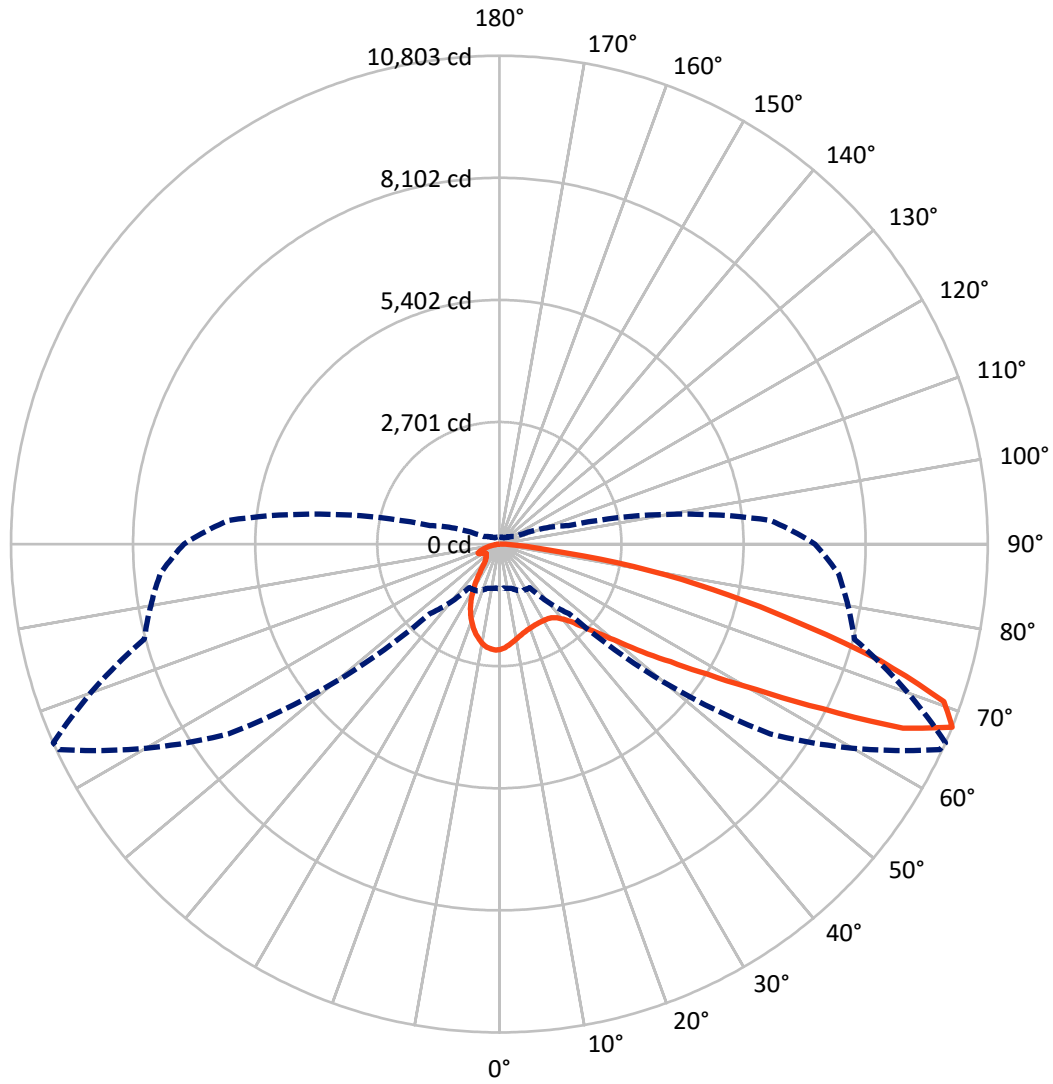
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2143.2	0.0	2143.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	8418.4	0.0	8418.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	10561.6	0.0	10561.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.8	1.9
10°-20°	503.4	4.8
20°-30°	691.9	6.6
30°-40°	945.9	9.0
40°-50°	1433.4	13.6
50°-60°	2228.2	21.1
60°-70°	2712.8	25.7
70°-80°	1652.5	15.6
80°-90°	188.8	1.8
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°	10561.6	100.0
0°-180°	10561.6	100.0

Coefficient of Utilization



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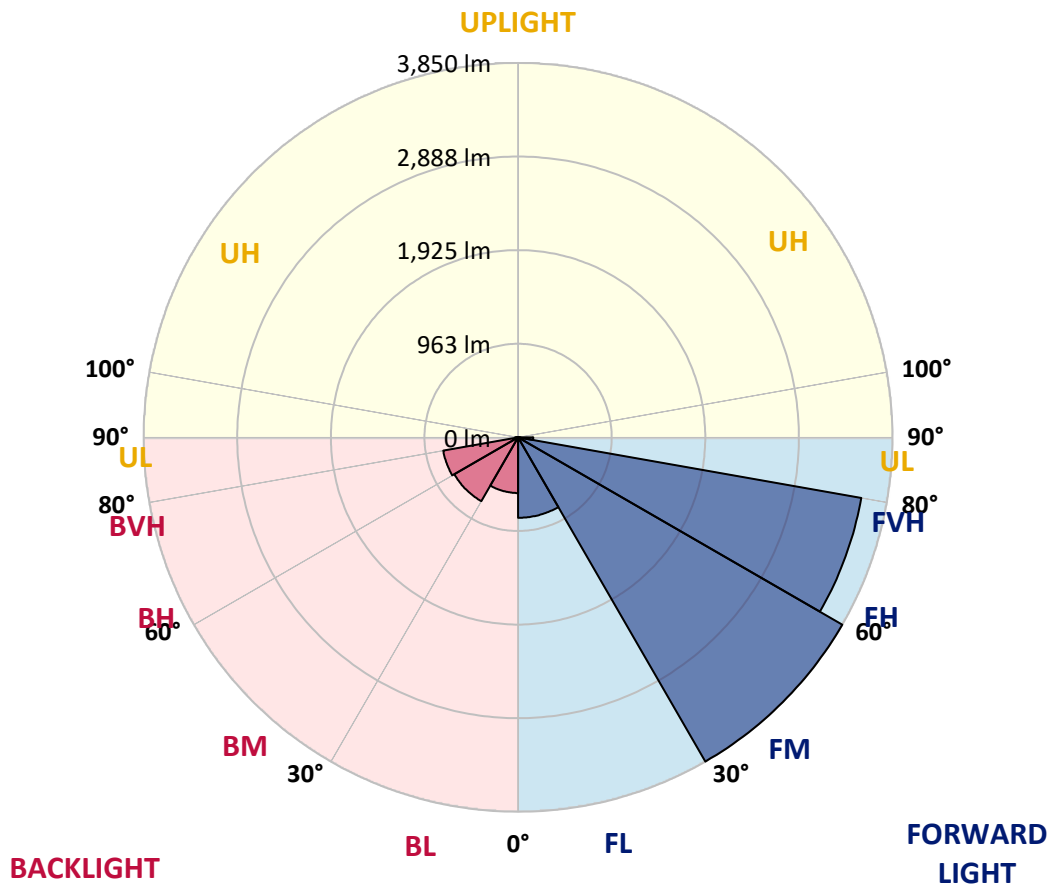
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.5	7.8			
FM (30°-60°)	3850.1	36.5			
FH (60°-80°)	3583.8	33.9			G2/5000
FVH (80°-90°)	156.9	1.5			G2/225
BL (0°-30°)	572.5	5.4	B2/1000		
BM (30°-60°)	757.4	7.2	B1/1000		
BH (60°-80°)	781.4	7.4	B2/1000		G2/1000
BVH (80°-90°)	31.8	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8
2.5°	2185.9	2193.6	2189.0	2218.2	2219.8	2256.8	2277.6	2295.3	2296.8	2319.9	2335.4
5°	2036.4	2041.0	2041.0	2068.8	2087.3	2136.6	2184.3	2235.2	2239.0	2294.5	2336.9
7.5°	1915.4	1920.1	1917.0	1954.0	1977.8	2032.6	2093.4	2171.2	2178.9	2268.3	2342.3
10°	1820.7	1819.1	1826.8	1860.7	1891.6	1957.0	2024.8	2113.5	2125.0	2238.3	2348.5
12.5°	1755.9	1757.5	1762.1	1797.6	1830.7	1895.4	1965.5	2061.8	2074.2	2203.6	2345.4
15°	1725.1	1722.0	1725.9	1758.3	1789.8	1846.9	1919.3	2018.7	2031.0	2172.8	2346.1
17.5°	1718.2	1715.9	1715.1	1738.2	1762.1	1815.3	1884.6	1985.6	1998.7	2152.7	2350.8
20°	1739.8	1736.7	1728.2	1738.2	1748.2	1792.9	1860.0	1961.7	1976.3	2139.7	2360.0
22.5°	1799.1	1793.7	1780.6	1768.3	1755.2	1782.1	1844.6	1943.9	1958.6	2131.2	2369.3
25°	1889.2	1884.6	1870.7	1843.0	1795.2	1790.6	1841.5	1936.2	1950.9	2125.0	2373.1
27.5°	2013.3	2006.4	1992.5	1952.4	1874.6	1822.2	1853.0	1935.5	1949.3	2118.1	2369.3
30°	2160.5	2155.8	2148.1	2099.6	1995.6	1889.2	1879.2	1941.6	1952.4	2114.2	2361.6
32.5°	2309.9	2305.3	2311.5	2288.4	2160.5	2000.2	1936.2	1958.6	1966.3	2113.5	2354.6
35°	2441.7	2447.1	2491.8	2495.6	2370.0	2150.4	2026.4	1997.9	1999.4	2128.9	2357.7
37.5°	2579.6	2600.4	2659.0	2709.0	2604.3	2349.2	2160.5	2071.8	2070.3	2168.2	2377.0
40°	2762.2	2771.5	2846.2	2940.2	2874.7	2622.0	2350.8	2192.8	2182.0	2248.3	2428.6
42.5°	2940.2	2962.5	3082.0	3189.8	3168.3	2929.4	2590.4	2373.9	2354.6	2390.1	2534.9
45°	3166.7	3188.3	3322.4	3461.0	3500.3	3276.9	2897.0	2631.2	2612.0	2603.5	2729.8
47.5°	3393.2	3415.6	3535.8	3736.1	3874.0	3711.4	3296.2	2971.0	2939.4	2906.3	3024.2
50°	3545.8	3572.0	3686.8	3927.2	4250.8	4253.9	3769.2	3416.4	3376.3	3323.9	3438.7
52.5°	3540.4	3557.4	3666.8	3944.1	4522.0	4877.2	4402.6	3983.4	3951.1	3837.0	3937.2
55°	3262.3	3287.7	3397.9	3744.6	4551.3	5468.2	5333.3	4652.2	4594.4	4390.3	4500.4
57.5°	2703.6	2725.2	2836.2	3263.8	4291.6	5771.0	6515.3	5504.4	5425.0	4992.8	5119.9
60°	2041.0	2014.8	2067.2	2441.7	3670.6	5778.7	7558.5	6660.1	6527.6	5636.9	5743.2
62.5°	1531.7	1505.5	1517.1	1622.7	2488.7	5311.8	8153.3	8241.2	8022.3	6364.2	6343.4
65°	1210.4	1195.8	1228.9	1301.4	1450.8	4045.1	8157.9	9950.9	9813.0	7207.2	6959.1
67.5°	986.2	977.0	1010.9	1144.9	1176.5	2173.6	7315.0	10749.1	10803.0	8130.2	7530.0
70°	794.4	780.5	833.7	1010.1	1094.1	1315.2	5240.1	10342.3	10429.4	8680.3	7369.0
72.5°	548.6	549.4	576.3	818.3	1056.3	1135.7	2964.1	8611.8	8800.5	8181.8	6478.3
75°	369.8	372.9	380.6	540.1	973.1	1101.8	1579.5	6519.9	6653.2	6762.6	5354.9
77.5°	223.4	225.0	242.7	326.7	671.1	1028.6	1070.2	4726.2	4831.0	4458.1	3319.3
80°	129.4	134.8	151.0	218.8	453.0	772.8	828.3	2897.8	3016.5	1981.7	1054.8
82.5°	57.0	60.9	82.4	127.1	264.3	657.2	646.4	1144.9	1128.0	552.4	366.0
85°	10.0	12.3	17.7	40.1	97.1	346.7	501.6	505.4	475.4	209.6	151.8
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	75.5	135.6	134.8	59.3	52.4
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°	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8	2333.8
2.5°	2345.4	2324.6	2343.1	2345.4	2341.5	2338.4	2315.3	2295.3	2293.0	2271.4	2271.4
5°	2353.8	2334.6	2343.8	2326.1	2298.4	2269.9	2220.6	2186.7	2171.2	2143.5	2143.5
7.5°	2365.4	2345.4	2334.6	2290.7	2225.9	2163.5	2084.2	2017.9	1990.9	1951.7	1950.1
10°	2376.2	2350.8	2313.8	2228.3	2125.0	2025.6	1910.0	1816.0	1752.1	1705.1	1705.1
12.5°	2375.4	2342.3	2269.1	2142.7	2000.2	1856.1	1702.0	1560.2	1475.5	1402.3	1397.7
15°	2373.9	2328.4	2212.1	2043.3	1854.6	1655.0	1445.4	1260.5	1134.9	1063.3	1057.1
17.5°	2372.3	2310.7	2148.1	1930.1	1677.4	1405.4	1128.8	928.4	823.7	779.7	781.3
20°	2372.3	2290.7	2079.6	1799.9	1473.2	1106.4	828.3	682.7	656.5	658.8	661.1
22.5°	2365.4	2266.0	2003.3	1658.1	1245.9	813.6	611.0	561.7	575.6	597.1	600.2
25°	2349.2	2225.2	1914.7	1500.9	975.4	592.5	498.5	489.3	514.7	541.7	549.4
27.5°	2323.8	2178.2	1815.3	1316.8	718.1	476.2	438.4	437.6	457.7	477.7	484.6
30°	2296.8	2125.8	1710.5	1111.8	520.1	414.5	399.9	399.9	409.9	422.2	420.7
32.5°	2265.2	2072.6	1598.0	898.4	423.8	379.9	375.2	372.9	374.5	379.1	379.1
35°	2238.3	2025.6	1482.4	672.6	379.9	360.6	356.0	350.6	348.3	345.2	346.7
37.5°	2228.3	1988.6	1363.0	507.0	358.3	346.7	339.0	331.3	325.9	324.4	323.6
40°	2244.4	1973.2	1243.6	417.6	342.9	332.1	323.6	313.6	309.0	309.0	309.0
42.5°	2307.6	1984.8	1121.8	377.5	332.1	319.8	307.4	298.2	296.6	298.2	299.0
45°	2423.2	2029.5	995.5	357.5	322.8	307.4	292.8	285.9	285.9	287.4	287.4
47.5°	2629.7	2146.6	870.7	345.2	313.6	297.4	282.0	275.1	274.3	275.8	275.8
50°	2987.2	2357.7	758.2	336.7	306.7	289.7	274.3	265.0	262.7	262.0	262.0
52.5°	3437.9	2723.7	686.5	330.5	298.2	281.2	265.8	253.5	248.9	246.6	246.6
55°	3982.7	3211.4	686.5	325.9	287.4	271.2	253.5	241.2	234.2	231.1	231.1
57.5°	4599.8	3779.3	805.2	322.1	278.9	259.7	240.4	228.1	220.4	215.7	215.7
60°	5227.8	4379.5	1098.7	316.7	271.2	245.0	225.8	214.2	204.2	198.8	198.0
62.5°	5878.8	5040.5	1485.5	319.8	265.8	231.1	210.3	197.2	188.8	183.4	182.6
65°	6475.2	5670.0	1823.7	343.6	266.6	218.8	192.6	181.1	174.1	167.2	166.4
67.5°	6981.4	6017.5	1586.4	392.2	282.8	204.2	174.9	163.3	157.2	152.6	151.8
70°	6627.0	5487.4	899.9	422.2	305.1	188.8	154.9	147.2	141.0	137.9	137.1
72.5°	5667.0	4646.1	601.8	372.9	278.1	168.7	136.4	130.2	125.6	121.7	121.0
75°	4590.6	3684.5	460.0	305.9	216.5	137.1	117.1	112.5	107.9	104.0	103.2
77.5°	2716.0	2128.9	339.0	241.9	152.6	107.1	97.1	93.2	88.6	85.5	84.8
80°	866.8	739.7	215.0	166.4	100.9	82.4	74.7	71.7	67.0	63.2	62.4
82.5°	330.5	285.9	114.0	84.8	67.0	56.2	50.1	47.0	43.9	40.1	39.3
85°	146.4	137.1	63.2	45.5	36.2	27.7	24.7	23.1	19.3	16.2	15.4
87.5°	51.6	51.6	27.0	13.1	7.7	3.9	2.3	0.8	0.0	0.0	0.0
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)