

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: P634417

Luminaire Tested: GWS-SA3B-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10474.8 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

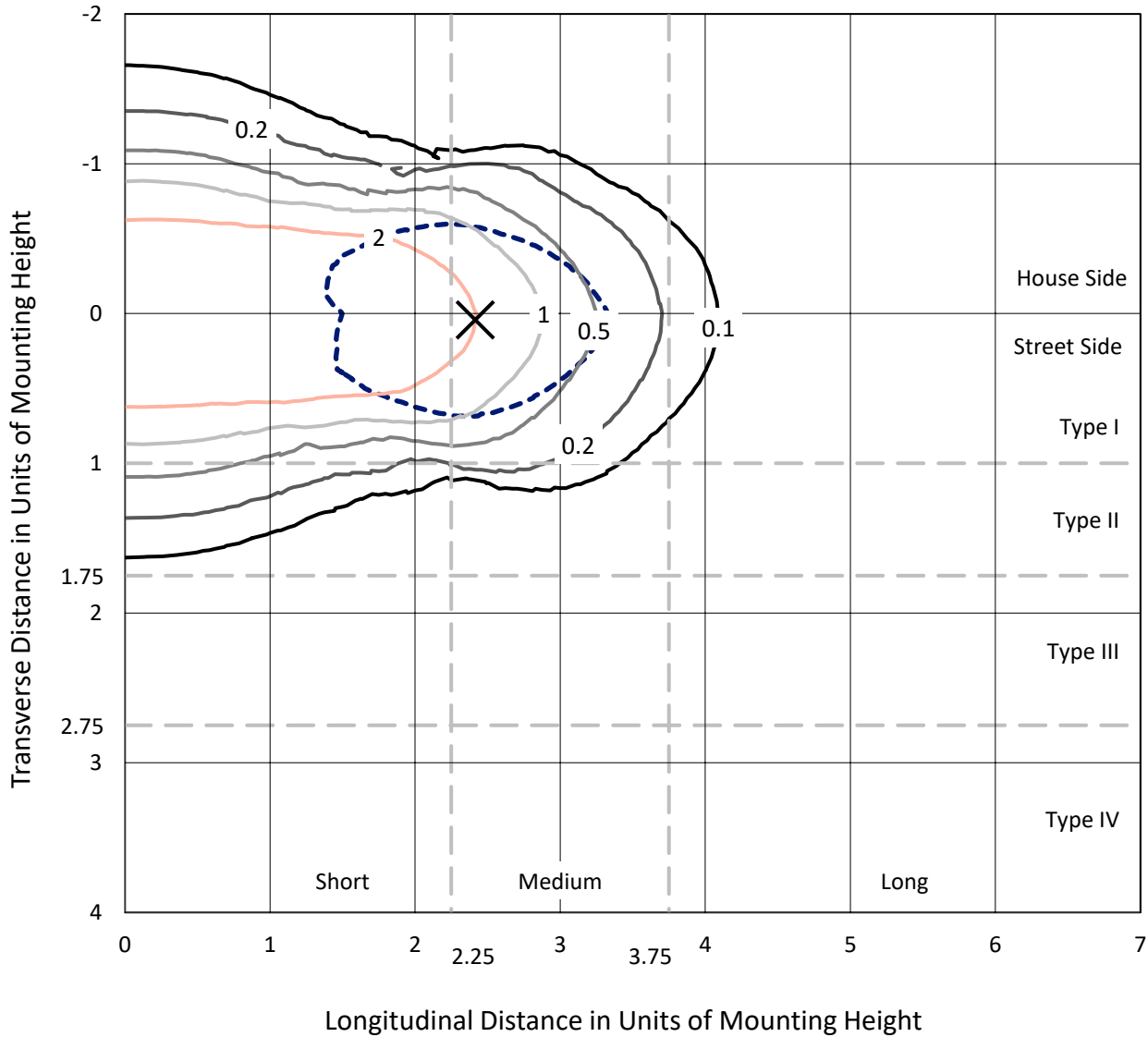
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

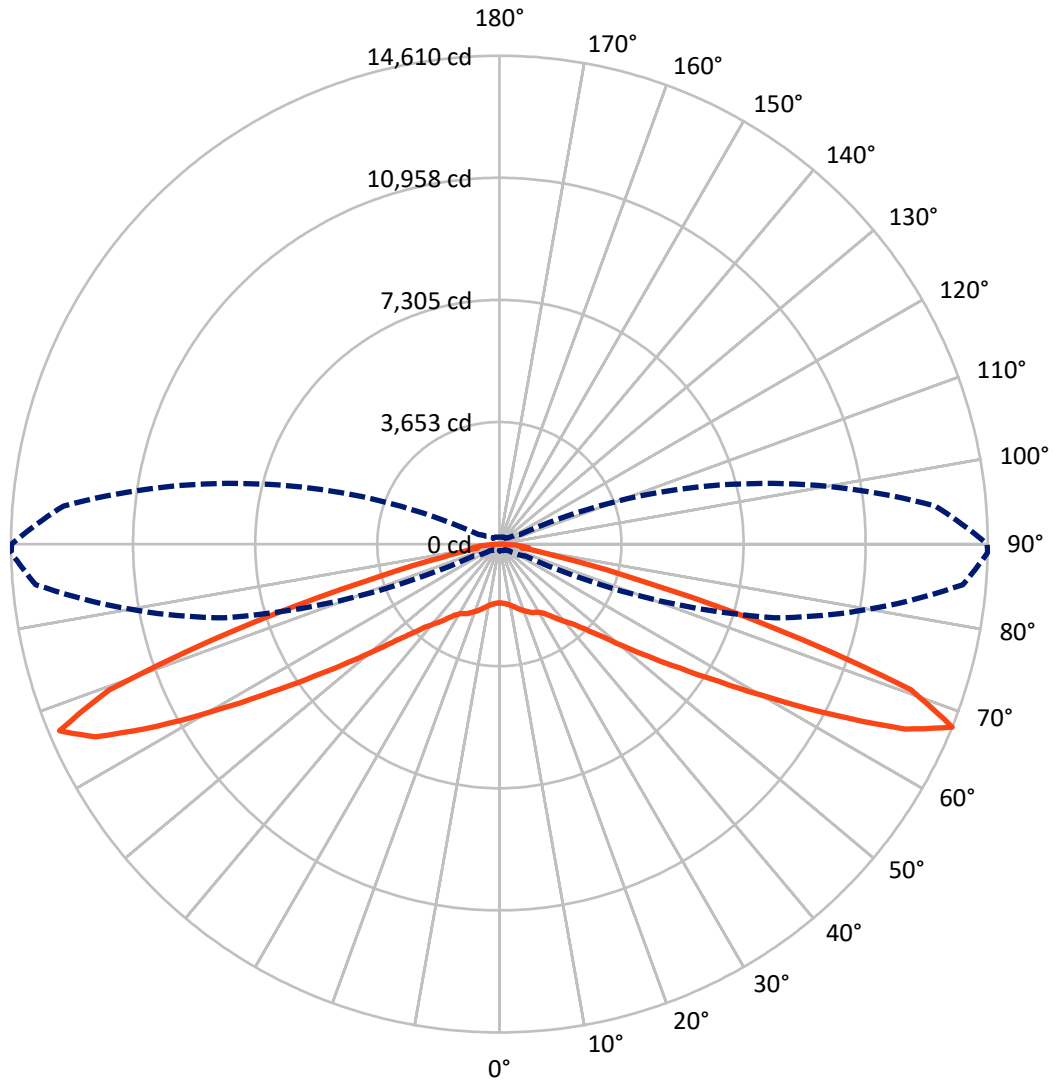
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5191.5	0.0	5191.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	5283.3	0.0	5283.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	10474.8	0.0	10474.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	1.7
10°-20°	574.2	5.5
20°-30°	970.7	9.3
30°-40°	1332.2	12.7
40°-50°	1698.8	16.2
50°-60°	2131.4	20.3
60°-70°	2570.7	24.5
70°-80°	930.0	8.9
80°-90°	90.4	0.9
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°	10474.8	100.0
0°-180°	10474.8	100.0

Coefficient of Utilization



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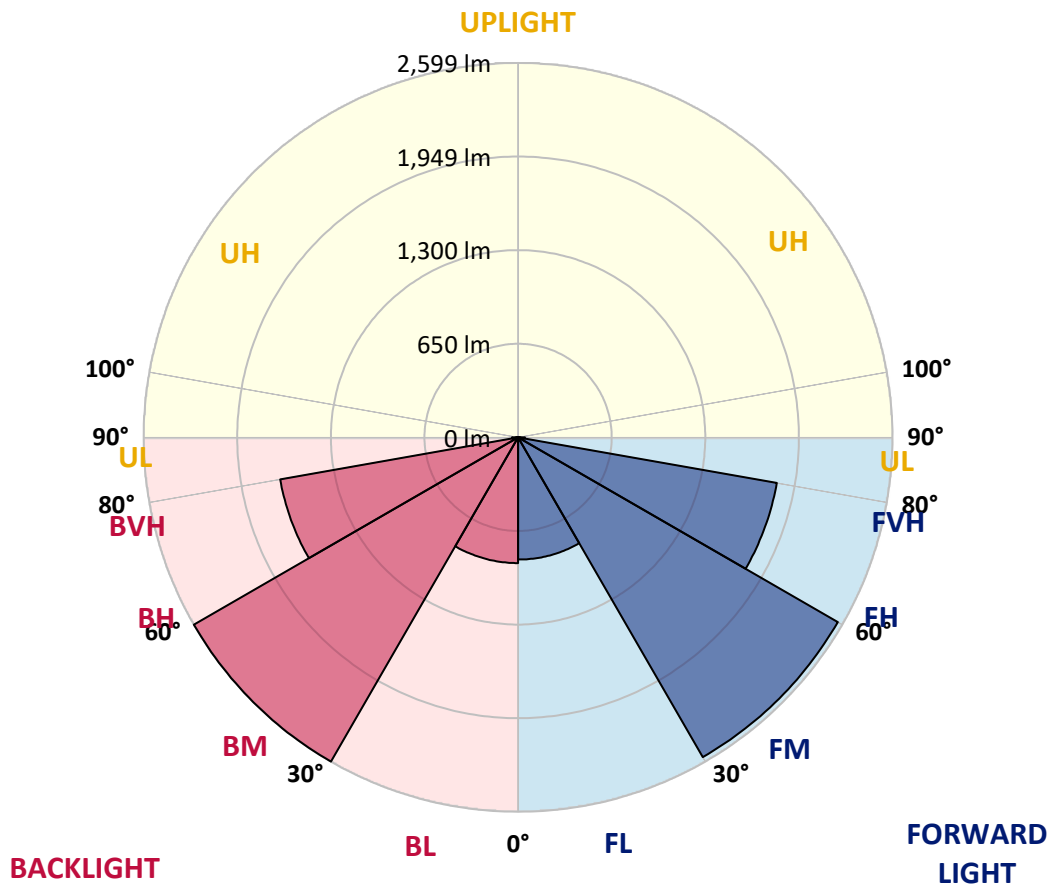
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	848.4	8.1			
FM (30°-60°)	2563.4	24.5			
FH (60°-80°)	1823.8	17.4			G2/5000
FVH (80°-90°)	47.7	0.5			G1/100
BL (0°-30°)	872.9	8.3	B2/1000		
BM (30°-60°)	2599.0	24.8	B3/5000		
BH (60°-80°)	1676.9	16.0	B3/2500		G3/2500
BVH (80°-90°)	42.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1
2.5°	1763.4	1761.9	1758.1	1769.4	1767.1	1767.9	1772.4	1769.4	1764.1	1755.1	1767.9
5°	1813.0	1812.3	1804.0	1810.8	1803.2	1798.0	1797.2	1789.7	1783.7	1773.9	1787.5
7.5°	1861.2	1860.4	1853.7	1865.7	1859.7	1853.7	1846.9	1831.8	1817.5	1803.2	1818.3
10°	1898.0	1897.3	1895.8	1913.1	1914.6	1916.8	1913.8	1888.3	1863.4	1846.1	1861.2
12.5°	1919.1	1921.4	1925.1	1956.7	1972.5	1987.6	1991.3	1970.3	1928.9	1904.1	1922.1
15°	1904.8	1909.3	1928.1	1985.3	2028.9	2062.8	2077.1	2059.8	2006.4	1965.0	1985.3
17.5°	1836.3	1840.1	1877.0	1964.2	2060.5	2138.8	2162.1	2151.6	2092.1	2041.7	2061.3
20°	1741.6	1749.8	1789.7	1911.6	2055.3	2191.4	2253.9	2250.1	2185.4	2107.9	2131.2
22.5°	1655.8	1665.6	1707.7	1842.4	2019.9	2205.0	2346.4	2356.2	2270.4	2174.1	2192.9
25°	1559.5	1568.5	1622.7	1760.4	1959.0	2194.4	2425.4	2469.8	2366.7	2250.1	2267.4
27.5°	1461.0	1467.7	1521.1	1667.8	1879.2	2174.9	2487.8	2594.7	2461.5	2302.8	2314.8
30°	1374.4	1383.5	1432.4	1575.3	1792.0	2135.8	2539.0	2727.8	2570.6	2362.2	2372.0
32.5°	1290.9	1298.5	1351.9	1484.3	1699.4	2075.6	2584.9	2884.3	2732.3	2472.8	2472.8
35°	1185.6	1199.2	1259.3	1397.0	1612.2	1995.8	2618.0	3066.3	2953.5	2636.0	2636.8
37.5°	1088.6	1096.1	1159.3	1298.5	1520.4	1905.6	2621.0	3255.2	3233.4	2843.7	2845.2
40°	978.0	987.8	1055.5	1193.1	1415.1	1810.8	2592.4	3431.2	3526.8	3057.3	3049.0
42.5°	865.9	880.2	944.9	1079.5	1301.5	1694.9	2516.4	3599.0	3899.1	3304.8	3284.5
45°	757.6	766.6	831.3	958.4	1171.3	1556.5	2394.6	3760.0	4341.5	3681.0	3651.6
47.5°	635.7	639.4	706.4	828.3	1036.7	1402.3	2220.0	3903.7	4827.5	4179.0	4128.6
50°	527.4	532.6	585.3	689.9	871.9	1219.5	2002.6	3987.9	5446.6	4858.3	4771.0
52.5°	426.6	431.8	473.9	557.4	720.7	1011.1	1733.3	3968.4	6074.8	5701.6	5574.5
55°	344.6	348.3	376.9	442.3	567.2	804.2	1415.1	3793.1	6772.1	6803.0	6529.2
57.5°	291.1	292.6	312.2	352.1	443.1	619.9	1092.3	3379.3	7503.4	8208.3	7758.4
60°	260.3	261.0	270.1	294.9	349.8	473.2	800.4	2720.3	8260.9	9966.4	9349.5
62.5°	240.7	240.7	248.3	262.6	290.4	364.1	588.3	1953.7	8804.8	11879.5	11266.4
65°	221.9	221.9	227.2	239.2	254.3	297.2	441.6	1260.1	9071.9	13478.8	13342.7
67.5°	197.9	198.6	202.4	215.2	228.7	248.3	334.8	852.3	8517.5	13921.2	14610.3
70°	175.3	176.0	181.3	189.6	200.9	214.4	261.8	587.5	6199.7	11594.4	13063.6
72.5°	150.5	153.5	157.2	166.3	173.0	182.8	213.7	380.7	3607.2	7458.2	8635.6
75°	123.4	127.1	131.7	140.7	145.2	149.0	176.0	271.6	1735.5	3779.5	4303.9
77.5°	95.5	99.3	104.6	112.8	115.9	120.4	134.7	196.3	831.3	1675.4	1806.3
80°	63.9	65.4	70.0	79.7	85.0	88.0	99.3	133.9	361.1	672.6	666.5
82.5°	39.1	39.9	41.4	47.4	49.7	52.7	64.7	82.0	172.3	764.3	876.4
85°	14.3	13.5	12.8	16.6	19.6	22.6	30.1	41.4	75.2	525.1	587.5
87.5°	0.0	0.0	0.0	0.8	1.5	1.5	3.0	6.0	18.1	196.3	134.7
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°	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1	1758.1
2.5°	1764.1	1755.9	1766.4	1773.9	1790.5	1796.5	1798.0	1792.7	1792.7	1783.7	1785.2
5°	1784.4	1779.2	1796.5	1809.3	1833.3	1842.4	1848.4	1844.6	1846.9	1840.9	1842.4
7.5°	1815.3	1810.8	1840.9	1865.7	1890.5	1901.0	1906.3	1903.3	1904.1	1896.5	1898.8
10°	1858.2	1859.7	1895.8	1928.1	1961.2	1971.8	1974.0	1965.0	1957.5	1943.9	1944.7
12.5°	1916.8	1924.4	1975.5	2011.6	2045.5	2060.5	2044.0	2010.9	1980.0	1956.7	1953.7
15°	1980.8	1994.3	2068.1	2113.9	2150.8	2143.3	2094.4	2019.9	1959.0	1924.4	1917.6
17.5°	2057.5	2077.8	2170.4	2225.3	2256.9	2208.7	2106.4	1995.1	1910.1	1863.4	1854.4
20°	2129.7	2162.1	2278.7	2350.2	2353.9	2245.6	2101.2	1944.7	1837.9	1780.7	1768.6
22.5°	2195.9	2237.3	2392.3	2483.3	2434.4	2262.1	2068.8	1873.2	1750.6	1683.6	1673.1
25°	2268.2	2326.8	2524.7	2609.7	2514.9	2255.4	2001.1	1784.4	1645.3	1576.8	1569.3
27.5°	2317.8	2391.5	2657.9	2739.1	2581.1	2217.0	1913.8	1687.4	1549.0	1484.3	1473.7
30°	2375.0	2469.0	2804.6	2879.8	2621.7	2160.6	1820.6	1597.1	1459.5	1389.5	1382.0
32.5°	2478.8	2596.9	2986.6	3028.7	2634.5	2090.6	1731.0	1509.9	1366.2	1296.2	1285.7
35°	2645.8	2784.2	3242.4	3195.0	2624.8	2013.9	1646.0	1407.5	1270.6	1205.2	1194.6
37.5°	2856.5	3028.7	3527.5	3344.7	2597.7	1929.6	1545.2	1321.8	1184.9	1118.7	1112.6
40°	3052.8	3265.0	3847.2	3474.1	2542.8	1825.8	1448.2	1232.3	1092.3	1022.4	1008.8
42.5°	3298.8	3580.9	4217.4	3586.2	2452.5	1701.7	1339.1	1121.7	976.5	913.3	896.7
45°	3672.7	4023.3	4647.7	3693.8	2317.8	1549.0	1202.2	987.0	849.3	784.6	771.9
47.5°	4139.1	4576.2	5114.1	3757.7	2113.2	1388.0	1047.2	844.8	707.2	634.2	628.2
50°	4794.4	5380.4	5614.4	3746.4	1884.5	1196.9	872.7	675.6	560.5	507.8	499.5
52.5°	5592.6	6390.0	6155.3	3611.0	1641.5	979.5	680.1	530.4	444.6	407.0	400.2
55°	6593.9	7598.9	6724.8	3320.6	1334.6	750.0	534.1	418.3	359.6	337.0	334.0
57.5°	7833.6	9164.4	7273.2	2831.6	1003.6	572.5	411.5	345.3	317.5	303.9	303.2
60°	9469.9	10826.3	7749.4	2200.5	718.4	437.8	340.0	308.4	286.6	277.6	276.8
62.5°	11415.3	12335.4	8045.8	1498.6	540.1	349.1	299.4	279.9	267.1	261.8	261.0
65°	13414.9	13289.3	7904.4	981.7	410.0	296.4	268.6	258.0	246.8	241.5	241.5
67.5°	14596.0	13087.7	6818.8	681.6	325.0	260.3	242.2	232.5	213.7	209.1	209.1
70°	12928.2	10605.1	4469.4	498.8	263.3	227.9	210.6	197.1	189.6	185.1	184.3
72.5°	8550.6	6900.8	2376.5	346.1	219.7	194.1	178.3	173.0	164.0	159.5	158.7
75°	4255.7	3624.6	1218.0	249.8	182.8	155.7	149.0	146.7	139.2	133.2	131.7
77.5°	1773.9	1613.7	568.0	181.3	139.2	125.6	119.6	119.6	111.3	104.6	101.6
80°	668.8	595.8	268.6	124.1	103.1	93.3	89.5	86.5	79.7	71.5	67.0
82.5°	894.5	584.5	131.7	77.5	67.7	60.2	54.9	52.7	48.9	45.1	42.1
85°	579.3	415.3	59.4	39.9	33.9	25.6	22.6	21.1	18.8	16.6	15.0
87.5°	118.1	139.2	18.1	7.5	4.5	2.3	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)