

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: P634347

Luminaire Tested: GWS-SA3B-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634347
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-SA3B-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10455.6 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

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

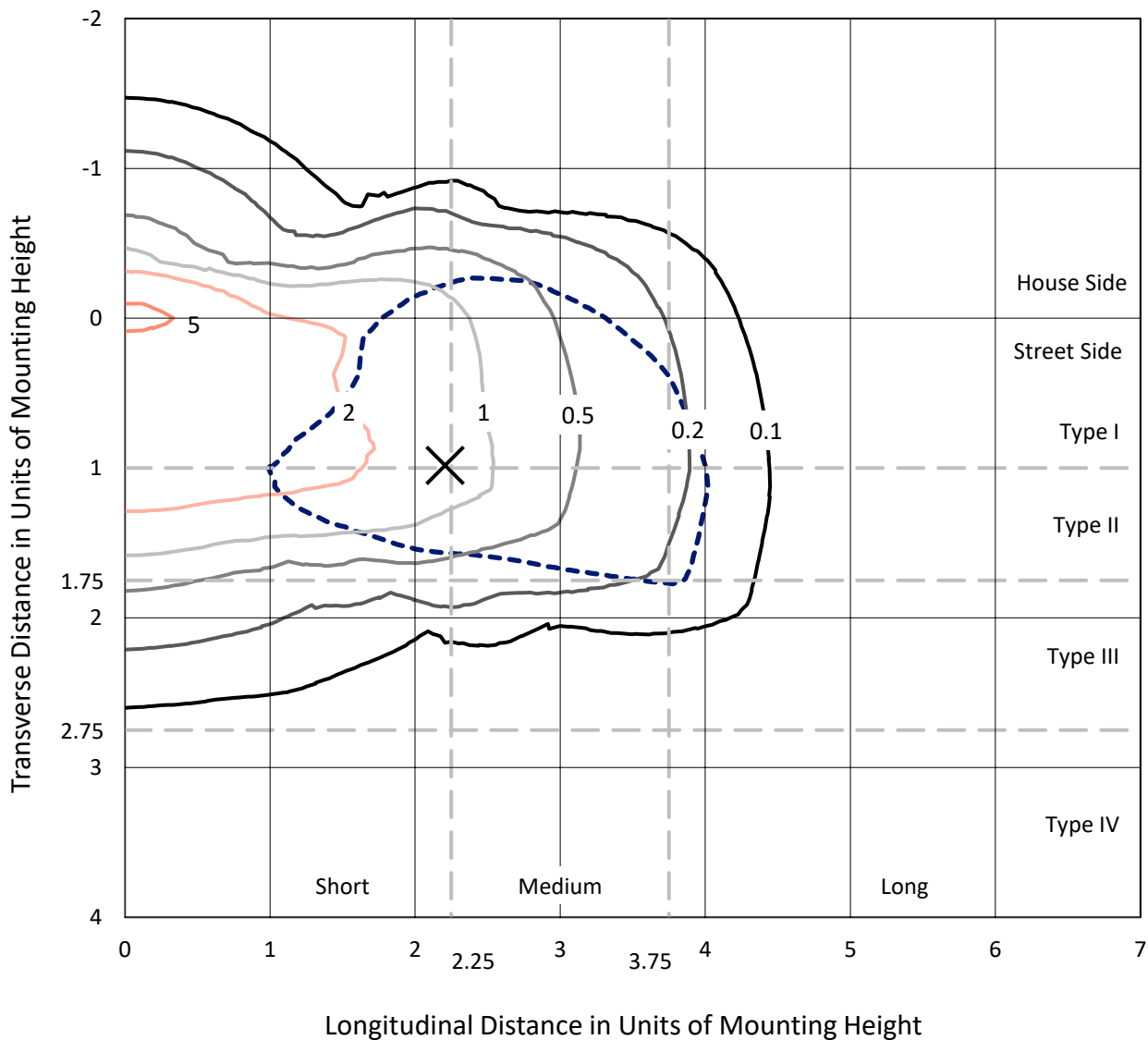


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Iso-Footcandle Lines of Horizontal Illumination

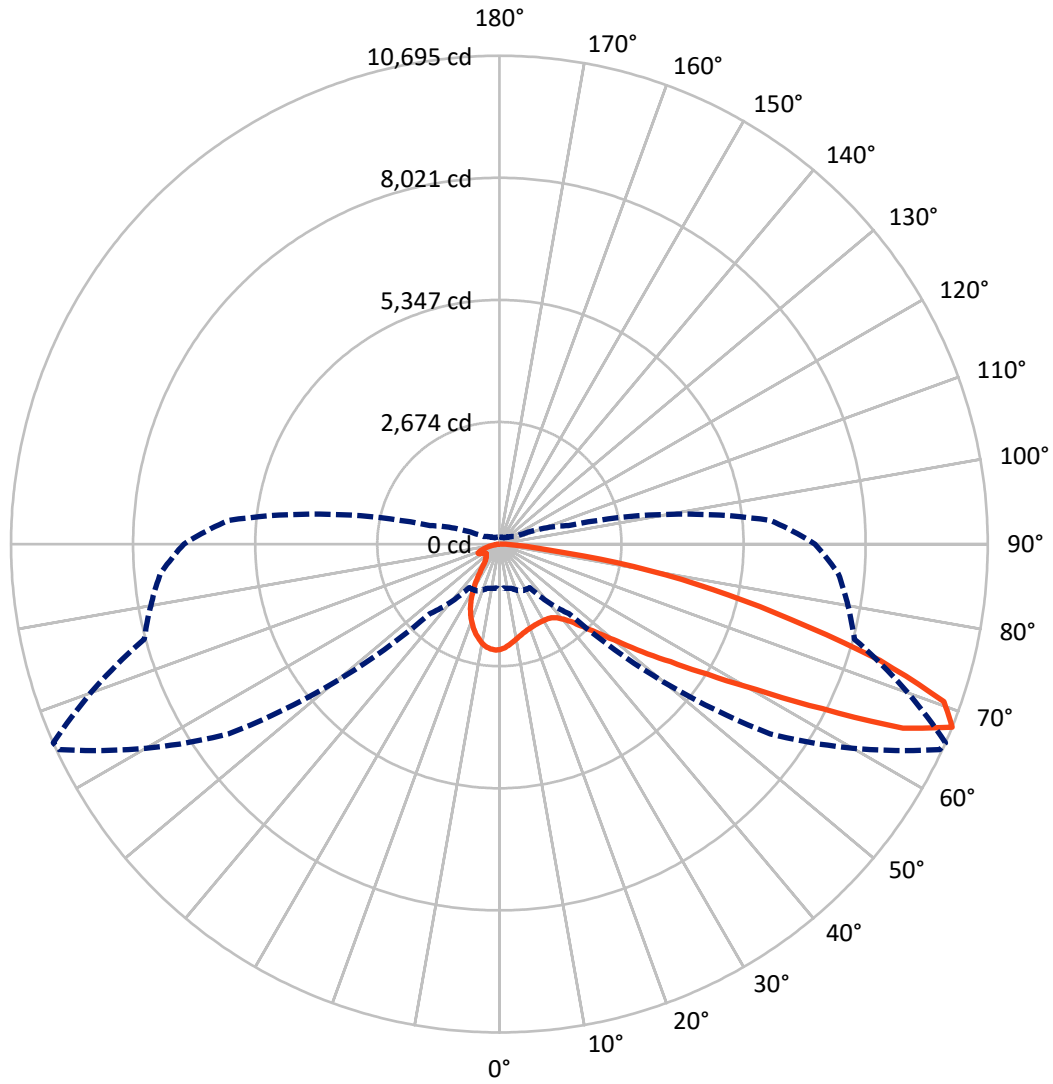
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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	2121.7	0.0	2121.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	8333.9	0.0	8333.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	10455.6	0.0	10455.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	1.9
10°-20°	498.3	4.8
20°-30°	685.0	6.6
30°-40°	936.5	9.0
40°-50°	1419.0	13.6
50°-60°	2205.8	21.1
60°-70°	2685.5	25.7
70°-80°	1635.9	15.6
80°-90°	186.9	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°	10455.6	100.0
0°-180°	10455.6	100.0

Coefficient of Utilization



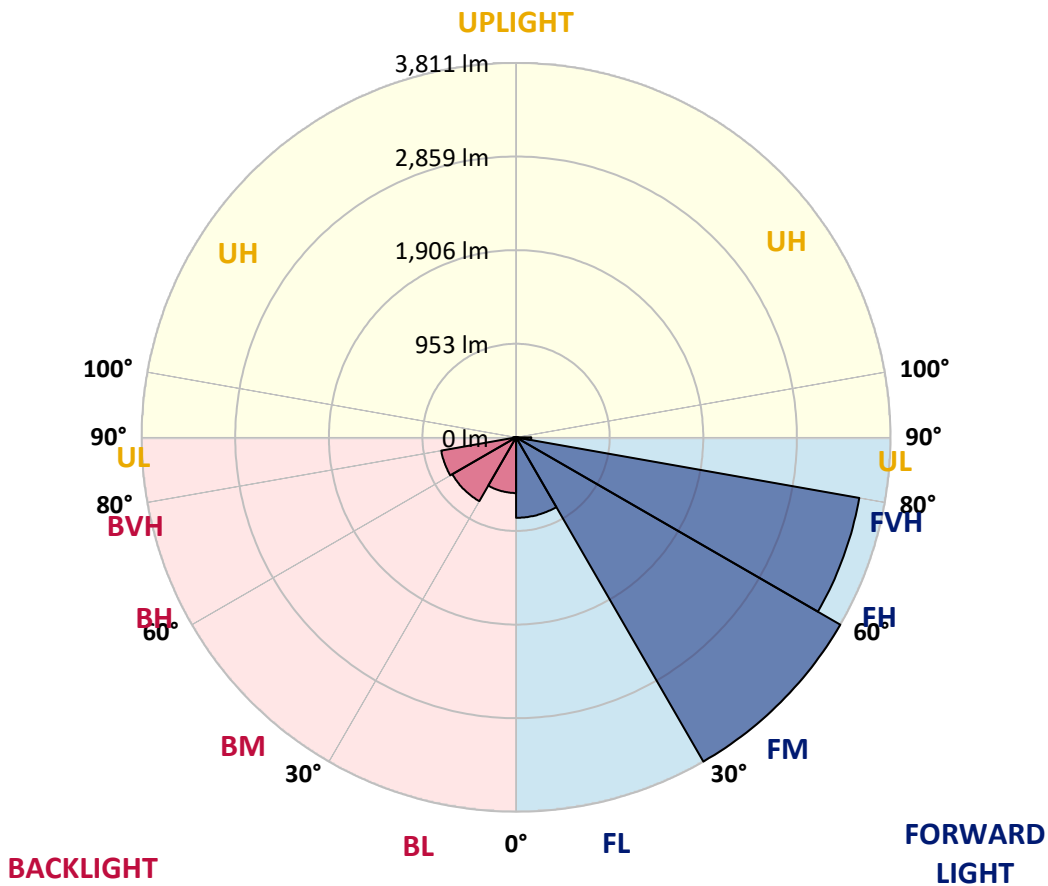
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	819.2	7.8			
FM (30°-60°)	3811.5	36.5			
FH (60°-80°)	3547.8	33.9			G2/5000
FVH (80°-90°)	155.4	1.5			G2/225
BL (0°-30°)	566.8	5.4	B2/1000		
BM (30°-60°)	749.8	7.2	B1/1000		
BH (60°-80°)	773.6	7.4	B2/1000		G2/1000
BVH (80°-90°)	31.5	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4
2.5°	2163.9	2171.6	2167.0	2196.0	2197.5	2234.1	2254.7	2272.3	2273.8	2296.7	2311.9
5°	2016.0	2020.5	2020.5	2048.0	2066.3	2115.1	2162.4	2212.8	2216.6	2271.5	2313.4
7.5°	1896.2	1900.8	1897.7	1934.4	1958.0	2012.2	2072.4	2149.4	2157.1	2245.6	2318.8
10°	1802.4	1800.9	1808.5	1842.1	1872.6	1937.4	2004.5	2092.2	2103.7	2215.8	2324.9
12.5°	1738.3	1739.8	1744.4	1779.5	1812.3	1876.4	1945.8	2041.1	2053.3	2181.5	2321.8
15°	1707.8	1704.8	1708.6	1740.6	1771.9	1828.3	1900.0	1998.4	2010.6	2151.0	2322.6
17.5°	1700.9	1698.7	1697.9	1720.8	1744.4	1797.1	1865.7	1965.6	1978.6	2131.1	2327.2
20°	1722.3	1719.3	1710.9	1720.8	1730.7	1774.9	1841.3	1942.0	1956.5	2118.2	2336.3
22.5°	1781.0	1775.7	1762.7	1750.5	1737.6	1764.3	1826.0	1924.4	1938.9	2109.8	2345.5
25°	1870.3	1865.7	1852.0	1824.5	1777.2	1772.6	1823.0	1916.8	1931.3	2103.7	2349.3
27.5°	1993.1	1986.2	1972.5	1932.8	1855.8	1803.9	1834.4	1916.0	1929.8	2096.8	2345.5
30°	2138.8	2134.2	2126.6	2078.5	1975.5	1870.3	1860.4	1922.1	1932.8	2093.0	2337.9
32.5°	2286.7	2282.2	2288.3	2265.4	2138.8	1980.1	1916.8	1938.9	1946.6	2092.2	2331.0
35°	2417.2	2422.5	2466.8	2470.6	2346.2	2128.9	2006.1	1977.8	1979.4	2107.5	2334.0
37.5°	2553.7	2574.3	2632.3	2681.9	2578.1	2325.6	2138.8	2051.1	2049.5	2146.4	2353.1
40°	2734.5	2743.6	2817.6	2910.7	2845.8	2595.7	2327.2	2170.8	2160.1	2225.7	2404.2
42.5°	2910.7	2932.8	3051.0	3157.8	3136.5	2900.0	2564.4	2350.1	2331.0	2366.1	2509.5
45°	3134.9	3156.3	3289.0	3426.3	3465.2	3244.0	2868.0	2604.8	2585.7	2577.4	2702.4
47.5°	3359.2	3381.3	3500.3	3698.6	3835.1	3674.2	3263.1	2941.2	2909.9	2877.1	2993.8
50°	3510.2	3536.1	3649.8	3887.8	4208.1	4211.2	3731.4	3382.1	3342.4	3290.5	3404.2
52.5°	3504.9	3521.6	3630.0	3904.6	4476.6	4828.3	4358.4	3943.5	3911.4	3798.5	3897.7
55°	3229.5	3254.7	3363.8	3707.0	4505.6	5413.3	5279.8	4605.5	4548.3	4346.2	4455.3
57.5°	2676.5	2697.9	2807.7	3231.0	4248.6	5713.0	6449.9	5449.1	5370.6	4942.7	5068.5
60°	2020.5	1994.6	2046.5	2417.2	3633.8	5720.7	7482.6	6593.3	6462.1	5580.3	5685.6
62.5°	1516.4	1490.4	1501.9	1606.4	2463.7	5258.4	8071.5	8158.4	7941.8	6300.4	6279.8
65°	1198.3	1183.8	1216.6	1288.3	1436.3	4004.5	8076.1	9851.0	9714.5	7134.8	6889.2
67.5°	976.3	967.2	1000.7	1133.5	1164.7	2151.7	7241.6	10641.2	10694.6	8048.6	7454.4
70°	786.4	772.7	825.3	1000.0	1083.1	1302.0	5187.5	10238.5	10324.7	8593.2	7295.0
72.5°	543.1	543.8	570.5	810.0	1045.7	1124.3	2934.3	8525.3	8712.2	8099.7	6413.3
75°	366.1	369.2	376.8	534.7	963.4	1090.7	1563.7	6454.4	6586.4	6694.7	5301.2
77.5°	221.2	222.7	240.3	323.4	664.4	1018.3	1059.5	4678.8	4782.5	4413.3	3286.0
80°	128.1	133.5	149.5	216.6	448.5	765.0	820.0	2868.7	2986.2	1961.8	1044.2
82.5°	56.4	60.3	81.6	125.9	261.6	650.6	640.0	1133.5	1116.7	546.9	362.3
85°	9.9	12.2	17.5	39.7	96.1	343.2	496.6	500.4	470.6	207.5	150.3
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	74.8	134.2	133.5	58.7	51.9
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°	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4	2310.4
2.5°	2321.8	2301.2	2319.5	2321.8	2318.0	2315.0	2292.1	2272.3	2270.0	2248.6	2248.6
5°	2330.2	2311.2	2320.3	2302.8	2275.3	2247.1	2198.3	2164.7	2149.4	2122.0	2122.0
7.5°	2341.7	2321.8	2311.2	2267.7	2203.6	2141.8	2063.3	1997.7	1971.0	1932.1	1930.5
10°	2352.3	2327.2	2290.6	2205.9	2103.7	2005.3	1890.9	1797.8	1734.5	1688.0	1688.0
12.5°	2351.6	2318.8	2246.3	2121.2	1980.1	1837.5	1684.9	1544.6	1460.7	1388.2	1383.6
15°	2350.1	2305.1	2189.9	2022.8	1836.0	1638.4	1430.9	1247.9	1123.5	1052.6	1046.5
17.5°	2348.5	2287.5	2126.6	1910.7	1660.5	1391.3	1117.4	919.1	815.4	771.9	773.4
20°	2348.5	2267.7	2058.7	1781.8	1458.4	1095.3	820.0	675.8	649.9	652.2	654.4
22.5°	2341.7	2243.3	1983.2	1641.5	1233.4	805.5	604.9	556.0	569.8	591.1	594.2
25°	2325.6	2202.8	1895.5	1485.9	965.7	586.6	493.5	484.4	509.5	536.2	543.8
27.5°	2300.5	2156.3	1797.1	1303.6	710.9	471.4	434.0	433.2	453.1	472.9	479.8
30°	2273.8	2104.4	1693.3	1100.7	514.9	410.4	395.9	395.9	405.8	418.0	416.5
32.5°	2242.5	2051.8	1582.0	889.4	419.5	376.0	371.5	369.2	370.7	375.3	375.3
35°	2215.8	2005.3	1467.5	665.9	376.0	357.0	352.4	347.1	344.8	341.7	343.2
37.5°	2205.9	1968.7	1349.3	501.9	354.7	343.2	335.6	328.0	322.6	321.1	320.4
40°	2221.9	1953.4	1231.1	413.4	339.4	328.7	320.4	310.4	305.9	305.9	305.9
42.5°	2284.5	1964.9	1110.6	373.8	328.7	316.5	304.3	295.2	293.7	295.2	295.9
45°	2398.9	2009.1	985.5	353.9	319.6	304.3	289.8	283.0	283.0	284.5	284.5
47.5°	2603.3	2125.0	861.9	341.7	310.4	294.4	279.2	272.3	271.5	273.1	273.1
50°	2957.2	2334.0	750.6	333.3	303.6	286.8	271.5	262.4	260.1	259.3	259.3
52.5°	3403.4	2696.3	679.6	327.2	295.2	278.4	263.2	250.9	246.4	244.1	244.1
55°	3942.7	3179.2	679.6	322.6	284.5	268.5	250.9	238.7	231.9	228.8	228.8
57.5°	4553.7	3741.3	797.1	318.8	276.1	257.0	238.0	225.8	218.1	213.6	213.6
60°	5175.3	4335.5	1087.7	313.5	268.5	242.6	223.5	212.0	202.1	196.8	196.0
62.5°	5819.8	4990.0	1470.6	316.5	263.2	228.8	208.2	195.3	186.9	181.5	180.8
65°	6410.2	5613.1	1805.4	340.2	263.9	216.6	190.7	179.2	172.4	165.5	164.8
67.5°	6911.3	5957.1	1570.5	388.2	279.9	202.1	173.1	161.7	155.6	151.0	150.3
70°	6560.5	5432.4	890.9	418.0	302.1	186.9	153.3	145.7	139.6	136.5	135.8
72.5°	5610.1	4599.4	595.7	369.2	275.4	167.0	135.0	128.9	124.3	120.5	119.8
75°	4544.5	3647.5	455.4	302.8	214.3	135.8	115.9	111.4	106.8	103.0	102.2
77.5°	2688.7	2107.5	335.6	239.5	151.0	106.0	96.1	92.3	87.7	84.7	83.9
80°	858.1	732.2	212.8	164.8	99.9	81.6	74.0	70.9	66.4	62.5	61.8
82.5°	327.2	283.0	112.9	83.9	66.4	55.7	49.6	46.5	43.5	39.7	38.9
85°	144.9	135.8	62.5	45.0	35.8	27.5	24.4	22.9	19.1	16.0	15.3
87.5°	51.1	51.1	26.7	13.0	7.6	3.8	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)