

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: P635317

Luminaire Tested: GWS-SA3D-740-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-740-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

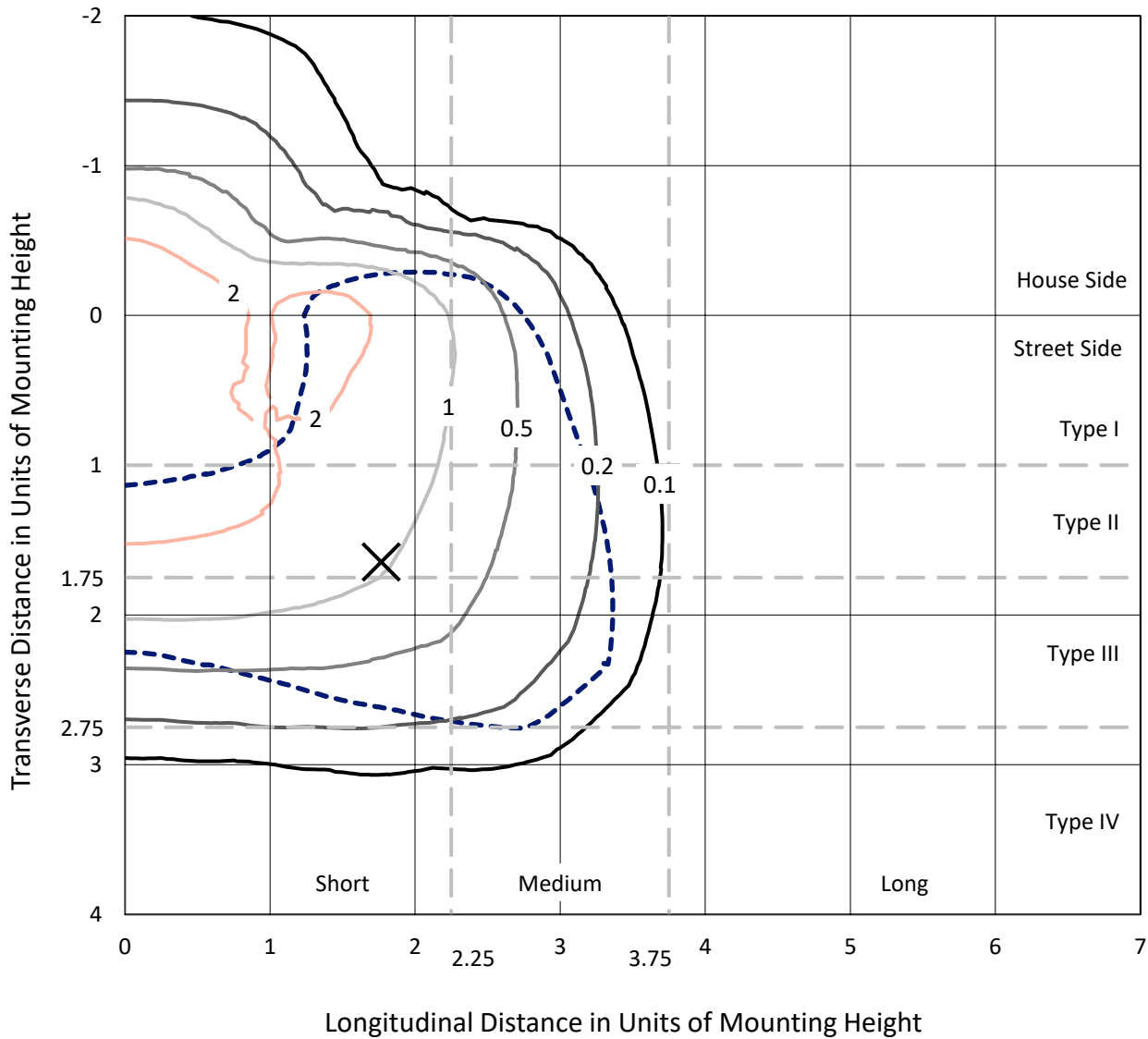
Lumens per Lamp: N/A  
Luminaire Lumens: 17447.4 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

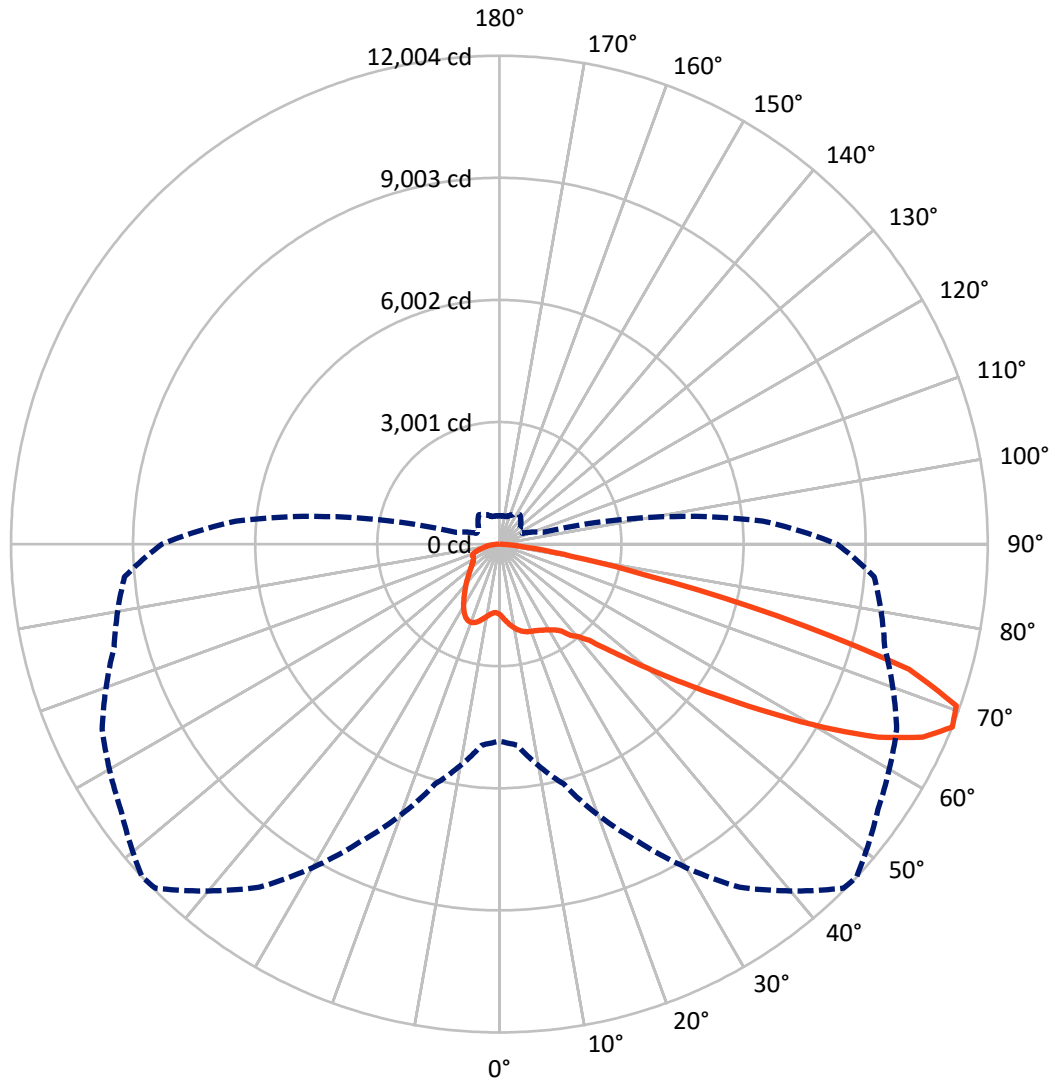
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3976.4	0.0	3976.4
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	13471.0	0.0	13471.0
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	17447.4	0.0	17447.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.8	1.0
10°-20°	588.9	3.4
20°-30°	1001.0	5.7
30°-40°	1466.4	8.4
40°-50°	2234.2	12.8
50°-60°	3997.4	22.9
60°-70°	5334.2	30.6
70°-80°	2412.2	13.8
80°-90°	236.3	1.4
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°	17447.4	100.0
0°-180°	17447.4	100.0

**Coefficient of Utilization**



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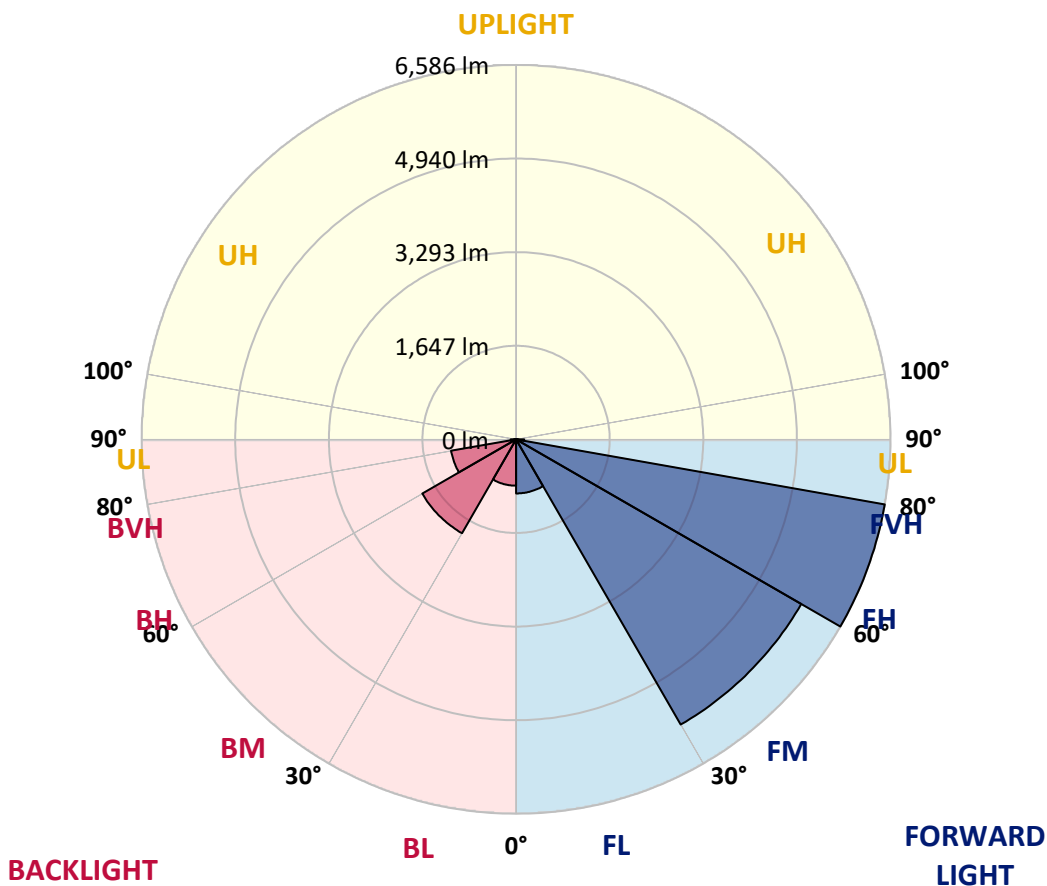
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	951.5	5.5			
FM (30°-60°)	5792.7	33.2			
FH (60°-80°)	6586.2	37.7			G3/7500
FVH (80°-90°)	140.6	0.8			G2/225
BL (0°-30°)	815.2	4.7	B2/1000		
BM (30°-60°)	1905.3	10.9	B2/2500		
BH (60°-80°)	1160.2	6.6	B3/2500		G3/2500
BVH (80°-90°)	95.8	0.5			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6
2.5°	1844.4	1850.7	1849.4	1839.3	1833.0	1821.7	1822.9	1805.3	1778.8	1761.1	1740.9
5°	2007.1	2017.2	2004.6	1988.2	1963.0	1926.4	1922.6	1882.2	1831.8	1796.5	1759.9
7.5°	2148.4	2154.7	2139.6	2111.8	2075.3	2026.1	2017.2	1969.3	1906.2	1850.7	1797.7
10°	2258.2	2265.7	2245.6	2209.0	2161.0	2111.8	2105.5	2056.3	1989.5	1923.9	1857.0
12.5°	2351.5	2354.1	2332.6	2283.4	2231.7	2181.2	2174.9	2129.5	2067.7	2000.8	1927.7
15°	2405.8	2407.0	2380.6	2326.3	2277.1	2232.9	2229.2	2190.1	2133.3	2070.2	1992.0
17.5°	2402.0	2404.5	2385.6	2337.7	2294.8	2268.3	2264.5	2239.3	2195.1	2138.3	2060.1
20°	2355.3	2357.8	2345.2	2313.7	2291.0	2283.4	2284.7	2277.1	2250.6	2203.9	2124.5
22.5°	2318.7	2322.5	2311.2	2288.5	2285.9	2303.6	2307.4	2311.2	2298.6	2256.9	2180.0
25°	2336.4	2342.7	2325.0	2293.5	2298.6	2337.7	2345.2	2357.8	2347.8	2312.4	2245.6
27.5°	2458.8	2462.6	2417.1	2352.8	2337.7	2379.3	2390.6	2410.8	2403.3	2370.5	2318.7
30°	2742.6	2740.1	2643.0	2485.3	2422.2	2438.6	2447.4	2476.4	2479.0	2457.5	2408.3
32.5°	3142.5	3129.9	2979.8	2728.7	2545.8	2505.4	2515.5	2554.6	2583.7	2561.0	2494.1
35°	3565.1	3553.8	3388.5	3094.6	2774.2	2634.1	2622.8	2653.0	2697.2	2634.1	2538.2
37.5°	3967.6	3949.9	3780.9	3417.5	3055.5	2859.9	2843.5	2813.3	2786.8	2665.7	2592.5
40°	4414.2	4394.0	4246.4	3835.1	3365.8	3032.8	2991.1	2871.3	2847.3	2770.4	2733.8
42.5°	4891.0	4891.0	4768.7	4363.7	3740.5	3280.0	3225.8	3045.4	3070.6	3020.2	2977.3
45°	5367.9	5381.8	5284.6	4896.1	4241.3	3746.8	3659.8	3403.7	3464.2	3441.5	3420.1
47.5°	5774.1	5800.6	5781.7	5439.8	4854.5	4314.5	4182.0	3915.9	4045.8	4100.0	4160.6
50°	6211.9	6240.9	6222.0	6087.0	5572.3	5002.1	4883.5	4608.5	4831.7	4994.5	5192.6
52.5°	6861.6	6903.2	6745.5	6693.8	6444.0	5783.0	5677.0	5364.1	5769.1	6039.1	6480.6
55°	7410.4	7409.1	7353.6	7472.2	7380.1	6738.0	6620.6	6336.8	6854.0	7140.4	7786.3
57.5°	7665.2	7695.5	7886.0	8221.5	8405.7	7904.9	7792.6	7502.5	8018.4	8167.3	8864.9
60°	7796.4	7834.2	8202.6	8866.2	9362.0	9179.1	9134.9	8765.3	9055.4	9037.8	9774.5
62.5°	7612.2	7687.9	8279.6	9161.4	10044.5	10459.5	10445.7	9886.8	9937.3	9764.4	10338.4
65°	6767.0	6849.0	7777.5	9013.8	10434.3	11433.5	11437.2	10902.3	10614.7	10117.7	10243.8
67.5°	4839.3	4956.6	6104.7	8065.1	10296.8	11959.5	12003.7	11362.8	10773.7	9804.8	9249.7
70°	2637.9	2723.7	3623.2	5862.4	9058.0	11833.4	11915.4	11140.8	10072.2	8481.4	7120.2
72.5°	1198.5	1226.2	1685.4	3217.0	6187.9	10185.8	10528.9	9942.3	8272.0	6264.9	4527.7
75°	548.8	561.4	734.2	1539.1	3233.4	6816.2	7057.1	7405.3	5756.5	3956.2	2360.4
77.5°	344.4	348.2	417.6	703.9	1612.3	3402.4	3656.0	4409.1	3370.9	1957.9	986.5
80°	203.1	206.9	259.9	381.0	756.9	1556.8	1797.7	1743.5	1584.5	845.2	449.1
82.5°	102.2	106.0	150.1	217.0	412.5	619.4	729.2	733.0	590.4	457.9	253.6
85°	36.6	37.8	49.2	85.8	175.4	204.4	228.3	278.8	288.9	266.2	122.4
87.5°	0.0	0.0	1.3	2.5	5.0	20.2	21.4	40.4	84.5	94.6	49.2
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°	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6
2.5°	1734.6	1715.7	1709.4	1703.1	1693.0	1689.2	1681.7	1674.1	1674.1	1666.5	1662.7
5°	1743.5	1718.2	1701.8	1694.3	1688.0	1691.7	1691.7	1694.3	1703.1	1698.1	1700.6
7.5°	1775.0	1746.0	1723.3	1717.0	1717.0	1732.1	1742.2	1754.8	1771.2	1773.7	1773.7
10°	1830.5	1796.5	1772.5	1768.7	1775.0	1796.5	1811.6	1826.7	1846.9	1848.2	1850.7
12.5°	1891.1	1857.0	1833.0	1838.1	1844.4	1872.1	1888.5	1901.2	1921.3	1921.3	1920.1
15°	1954.1	1916.3	1896.1	1906.2	1925.1	1956.7	1959.2	1960.5	1970.5	1968.0	1966.8
17.5°	2019.7	1979.4	1964.2	1979.4	1999.6	2014.7	2002.1	1984.4	1980.6	1975.6	1973.1
20°	2084.1	2042.5	2036.1	2047.5	2053.8	2041.2	2002.1	1969.3	1954.1	1946.6	1944.1
22.5°	2139.6	2104.3	2100.5	2100.5	2068.9	2024.8	1966.8	1922.6	1902.4	1892.3	1889.8
25°	2205.2	2172.4	2166.1	2132.0	2051.3	1970.5	1892.3	1852.0	1835.6	1830.5	1831.8
27.5°	2282.1	2259.4	2239.3	2142.1	2000.8	1874.7	1786.4	1768.7	1762.4	1768.7	1772.5
30°	2376.8	2354.1	2308.6	2129.5	1920.1	1749.8	1665.3	1664.0	1682.9	1699.3	1701.8
32.5°	2453.7	2443.6	2369.2	2089.1	1806.5	1612.3	1540.4	1545.4	1579.5	1602.2	1606.0
35°	2514.3	2530.7	2419.7	2022.3	1671.6	1482.3	1425.6	1428.1	1447.0	1478.5	1479.8
37.5°	2600.1	2655.6	2465.1	1920.1	1516.4	1370.0	1318.3	1299.4	1296.9	1305.7	1308.2
40°	2772.9	2856.2	2497.9	1771.2	1366.3	1269.1	1211.1	1174.5	1143.0	1119.0	1111.4
42.5°	3034.0	3129.9	2516.8	1590.8	1232.5	1169.5	1103.9	1057.2	1001.7	951.2	933.5
45°	3513.4	3545.0	2516.8	1399.1	1114.0	1076.1	1010.5	955.0	884.3	825.1	812.4
47.5°	4280.5	4179.5	2519.3	1213.6	1009.2	994.1	937.3	874.3	796.0	746.8	739.3
50°	5436.0	5081.5	2571.0	1059.7	922.2	924.7	883.1	813.7	743.1	706.5	700.2
52.5°	6745.5	6193.0	2709.8	946.2	849.0	867.9	845.2	778.4	715.3	683.8	677.5
55°	7976.8	7214.8	2828.4	865.4	787.2	820.0	818.7	756.9	700.2	668.6	664.8
57.5°	9023.9	7915.0	2810.7	799.8	734.2	775.9	794.8	743.1	690.1	663.6	659.8
60°	9674.9	8285.9	2559.7	739.3	693.9	744.3	780.9	739.3	695.1	688.8	690.1
62.5°	9957.4	8217.8	2077.8	693.9	667.4	729.2	796.0	765.8	741.8	756.9	765.8
65°	9518.4	7632.4	1529.0	659.8	642.1	733.0	831.4	807.4	741.8	751.9	755.7
67.5°	8299.8	6497.0	1105.1	625.7	610.6	744.3	881.8	801.1	698.9	698.9	691.3
70°	5981.0	4672.8	802.3	591.7	579.1	727.9	884.3	758.2	649.7	645.9	627.0
72.5°	3599.2	2756.5	625.7	553.8	531.1	645.9	828.8	707.7	601.8	570.2	547.5
75°	1869.6	1381.4	524.8	512.2	455.4	547.5	758.2	629.5	514.7	487.0	474.3
77.5°	801.1	645.9	450.4	456.7	378.5	460.5	611.9	545.0	456.7	421.4	410.0
80°	394.9	367.1	355.8	365.9	302.8	355.8	527.3	476.9	387.3	346.9	330.5
82.5°	225.8	214.5	256.1	259.9	215.7	297.7	445.3	403.7	320.4	276.3	249.8
85°	104.7	112.3	155.2	156.4	133.7	204.4	291.4	227.1	170.3	141.3	135.0
87.5°	41.6	49.2	68.1	66.9	39.1	37.8	25.2	13.9	11.4	10.1	8.8
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)