

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: P636085

Luminaire Tested: GWS-SA3F-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17396.3 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

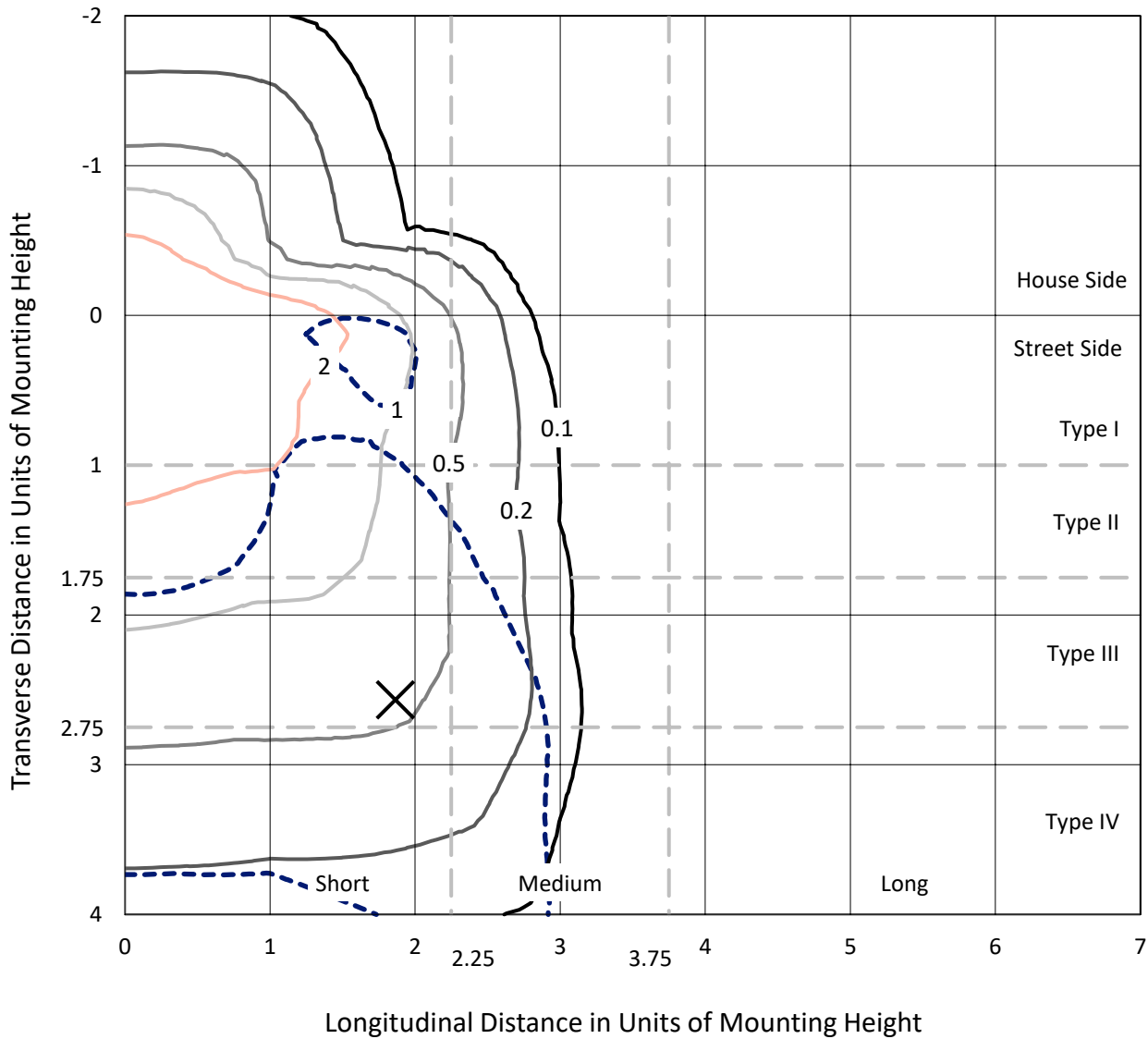
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

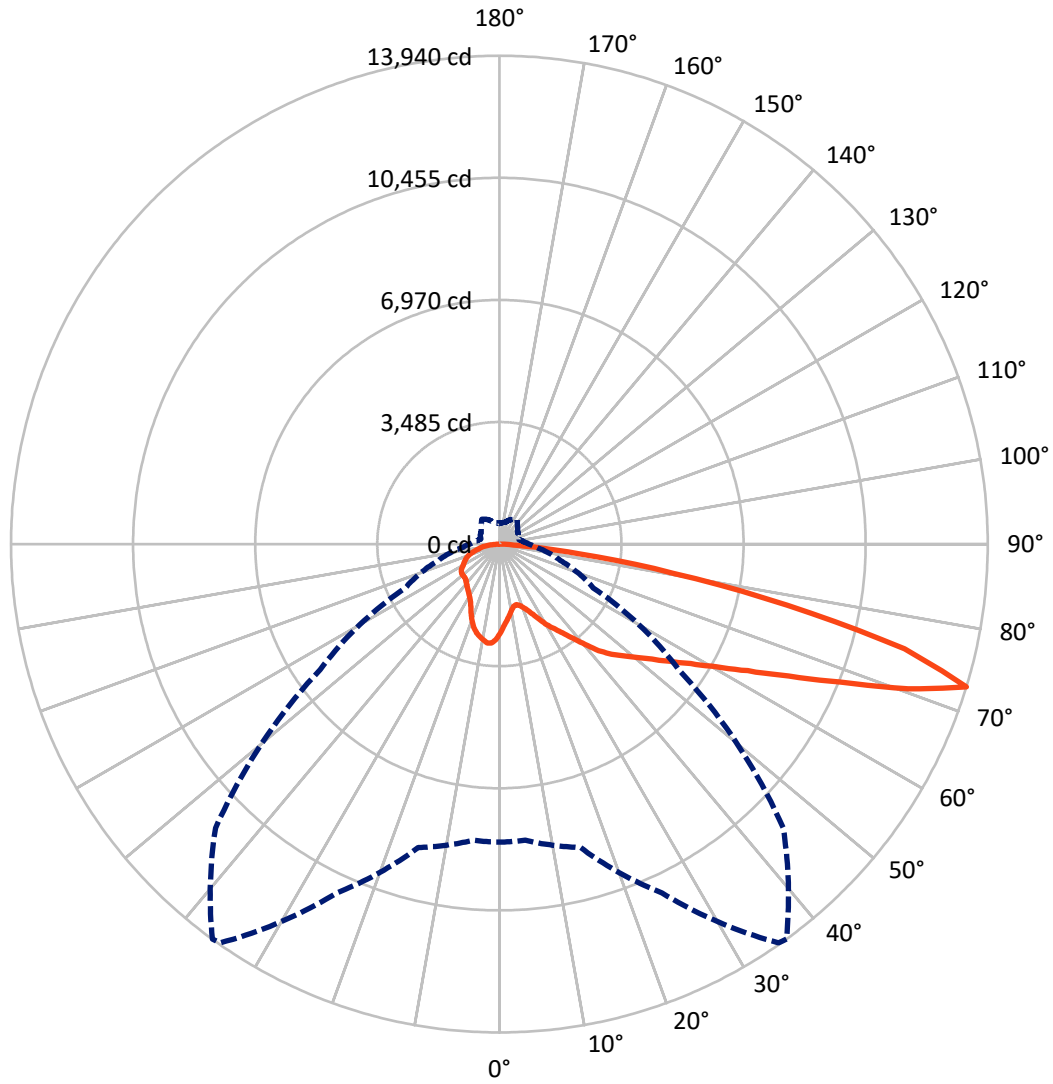
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4010.6	0.0	4010.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	13385.7	0.0	13385.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	17396.3	0.0	17396.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.0	1.4
10°-20°	671.4	3.9
20°-30°	1112.0	6.4
30°-40°	1665.3	9.6
40°-50°	2429.6	14.0
50°-60°	3458.0	19.9
60°-70°	4368.9	25.1
70°-80°	3113.2	17.9
80°-90°	339.9	2.0
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°	17396.3	100.0
0°-180°	17396.3	100.0

Coefficient of Utilization



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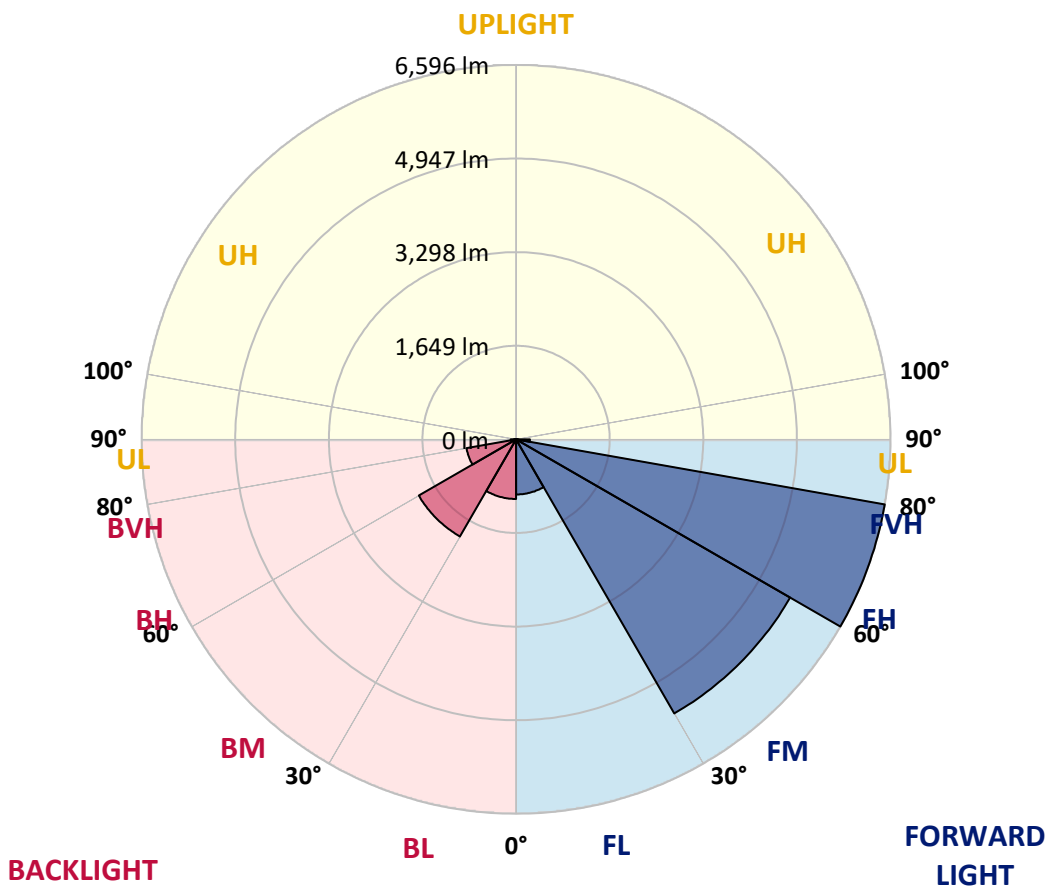
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	971.2	5.6			
FM (30°-60°)	5575.1	32.0			
FH (60°-80°)	6595.5	37.9			G3/7500
FVH (80°-90°)	243.9	1.4			G3/500
BL (0°-30°)	1050.2	6.0	B3/2500		
BM (30°-60°)	1977.8	11.4	B2/2500		
BH (60°-80°)	886.6	5.1	B2/1000		G2/1000
BVH (80°-90°)	95.9	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0
2.5°	2322.7	2318.8	2311.0	2334.3	2357.5	2354.9	2387.2	2418.2	2451.8	2486.6	2533.1
5°	2136.8	2134.2	2127.7	2162.6	2197.4	2196.1	2249.1	2299.4	2367.9	2442.7	2535.7
7.5°	1950.8	1944.4	1953.4	1997.3	2046.4	2051.5	2123.8	2206.5	2305.9	2418.2	2549.9
10°	1786.9	1785.6	1789.4	1838.5	1912.1	1917.3	2010.2	2125.1	2256.8	2406.6	2582.2
12.5°	1744.3	1741.7	1731.3	1755.9	1811.4	1819.1	1921.1	2061.9	2223.3	2413.0	2626.1
15°	1814.0	1807.5	1771.4	1759.8	1786.9	1793.3	1879.8	2024.4	2203.9	2424.7	2681.6
17.5°	1934.1	1930.2	1861.7	1814.0	1832.1	1837.2	1901.8	2018.0	2198.7	2447.9	2750.0
20°	2109.6	2092.9	1985.7	1913.4	1913.4	1921.1	1959.9	2046.4	2205.2	2476.3	2827.5
22.5°	2342.0	2308.5	2157.4	2059.3	2033.5	2043.8	2060.6	2117.4	2232.3	2524.1	2924.3
25°	2602.8	2571.8	2392.4	2254.2	2218.1	2222.0	2207.8	2218.1	2291.7	2589.9	3044.4
27.5°	2880.4	2859.8	2668.7	2493.1	2436.3	2436.3	2385.9	2361.4	2374.3	2664.8	3178.7
30°	3128.3	3099.9	2938.5	2746.1	2671.3	2671.3	2575.7	2522.8	2491.8	2756.5	3358.1
32.5°	3258.7	3241.9	3134.8	2987.6	2895.9	2881.7	2799.1	2737.1	2664.8	2892.0	3600.8
35°	3429.1	3425.3	3360.7	3245.8	3129.6	3108.9	3052.1	3003.1	2877.8	3061.2	3923.6
37.5°	3643.5	3637.0	3626.7	3558.2	3418.8	3414.9	3364.6	3305.2	3142.5	3305.2	4314.8
40°	3883.6	3872.0	3859.1	3857.8	3773.9	3759.6	3755.8	3688.6	3461.4	3599.6	4722.8
42.5°	4214.1	4174.1	4052.7	4107.0	4168.9	4156.0	4205.1	4104.4	3859.1	3949.4	5108.8
45°	4620.8	4522.7	4282.5	4298.0	4454.3	4480.1	4650.5	4626.0	4296.7	4353.6	5515.5
47.5°	4864.8	4779.6	4556.3	4543.3	4738.3	4770.6	5141.1	5187.6	4768.0	4840.3	6017.8
50°	5064.9	5005.5	4822.2	4840.3	5046.9	5079.1	5627.9	5727.3	5212.1	5338.7	6601.3
52.5°	5306.4	5221.2	5079.1	5164.4	5417.4	5456.1	6168.8	6276.0	5612.4	5886.1	7205.6
55°	5441.9	5407.1	5409.7	5540.1	5857.7	5910.6	6735.6	6717.5	5979.0	6354.7	7660.0
57.5°	5754.4	5741.5	5860.3	5909.3	6371.5	6439.9	7302.4	7147.5	6312.1	6717.5	7878.2
60°	6305.7	6273.4	6376.7	6451.6	7006.7	7103.6	7935.0	7568.4	6538.1	6987.4	7804.6
62.5°	7080.3	7040.3	7044.2	7163.0	7857.6	7959.6	8638.7	7919.5	6607.8	7028.7	7338.5
65°	8043.5	7985.4	7919.5	8080.9	8987.3	9072.5	9404.3	8175.2	6441.2	6631.0	6365.1
67.5°	9059.6	9011.8	8934.3	9272.6	10450.1	10501.7	10262.9	8153.2	5913.2	5567.2	4464.6
70°	9119.0	9130.6	9497.2	10721.2	12359.6	12372.5	11075.0	7711.7	4788.6	3608.6	2224.5
72.5°	8507.0	8487.6	8965.3	10985.9	13896.0	13939.9	11458.4	6247.6	2959.2	1799.8	1043.2
75°	6909.9	6943.5	7445.7	9612.2	11910.3	11949.0	9341.0	3683.5	1406.0	880.5	667.5
77.5°	2974.7	3161.9	4152.1	6771.8	8530.2	8410.2	4814.5	1492.5	750.1	627.5	511.3
80°	858.6	932.2	1479.6	3220.0	5111.4	5021.0	1905.6	559.0	522.9	471.2	366.7
82.5°	277.6	307.3	542.3	1282.1	2290.4	2287.8	723.0	330.5	342.1	320.2	236.3
85°	77.5	89.1	166.6	388.6	708.8	694.6	209.2	156.2	182.0	184.6	117.5
87.5°	0.0	0.0	1.3	2.6	2.6	2.6	5.2	23.2	52.9	67.1	47.8
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°	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0
2.5°	2561.5	2557.6	2610.6	2651.9	2690.6	2716.5	2724.2	2729.4	2739.7	2744.9	2739.7
5°	2579.6	2599.0	2686.8	2751.3	2803.0	2833.9	2835.2	2832.6	2840.4	2833.9	2830.1
7.5°	2618.3	2655.8	2766.8	2835.2	2868.8	2870.1	2839.1	2803.0	2784.9	2769.4	2764.2
10°	2670.0	2725.5	2846.9	2892.0	2881.7	2833.9	2765.5	2708.7	2676.4	2653.2	2648.0
12.5°	2741.0	2803.0	2917.9	2916.6	2852.0	2766.8	2686.8	2618.3	2571.8	2544.7	2535.7
15°	2808.1	2886.9	2969.5	2908.8	2806.8	2703.5	2600.3	2508.6	2446.6	2404.0	2396.3
17.5°	2890.7	2974.7	3006.9	2884.3	2750.0	2617.0	2478.9	2358.8	2274.9	2224.5	2220.7
20°	2986.3	3061.2	3025.0	2841.7	2676.4	2502.1	2314.9	2180.6	2090.3	2041.2	2045.1
22.5°	3097.3	3151.5	3030.2	2783.6	2574.4	2339.5	2130.3	2001.2	1940.5	1914.7	1916.0
25°	3216.1	3251.0	3021.1	2704.8	2418.2	2140.6	1940.5	1881.1	1876.0	1869.5	1872.1
27.5°	3356.8	3349.1	2994.0	2593.8	2207.8	1909.5	1807.5	1823.0	1843.7	1841.1	1843.7
30°	3545.3	3471.7	2959.2	2440.2	1957.3	1715.9	1728.8	1772.7	1799.8	1802.4	1810.1
32.5°	3760.9	3607.3	2903.7	2231.0	1718.4	1607.4	1655.2	1708.1	1740.4	1746.8	1757.2
35°	4017.9	3762.2	2805.5	1970.2	1546.7	1542.9	1586.7	1622.9	1657.8	1660.3	1660.3
37.5°	4313.5	3917.2	2649.3	1682.3	1440.9	1487.3	1528.6	1536.4	1545.4	1537.7	1541.6
40°	4584.7	4066.9	2427.2	1420.2	1354.4	1438.3	1473.1	1447.3	1418.9	1399.5	1403.4
42.5°	4811.9	4168.9	2132.9	1236.9	1266.6	1394.4	1421.5	1368.6	1313.0	1276.9	1282.1
45°	5067.5	4263.2	1786.9	1112.9	1191.7	1363.4	1381.5	1313.0	1242.0	1187.8	1180.1
47.5°	5420.0	4455.5	1479.6	1026.4	1138.7	1346.6	1376.3	1283.3	1190.4	1109.0	1100.0
50°	5855.1	4728.0	1222.7	969.6	1114.2	1337.6	1375.0	1251.1	1140.0	1044.5	1038.0
52.5°	6330.2	4993.9	1032.9	925.7	1089.7	1310.5	1368.6	1214.9	1087.1	983.8	976.1
55°	6646.5	5098.5	905.1	884.4	1049.7	1267.8	1342.7	1180.1	1007.0	912.8	901.2
57.5°	6739.5	4964.2	816.0	847.0	998.0	1208.5	1293.7	1106.5	958.0	883.1	874.1
60°	6579.4	4626.0	760.5	816.0	941.2	1132.3	1208.5	1063.9	919.3	852.1	845.7
62.5°	6127.5	4104.4	717.8	783.7	883.1	1052.2	1154.2	1012.2	876.6	823.7	814.7
65°	5218.6	3365.9	683.0	750.1	827.6	976.1	1094.8	960.6	830.2	790.1	779.8
67.5°	3649.9	2364.0	645.5	710.1	772.1	902.5	1032.9	912.8	782.4	752.7	742.4
70°	1784.3	1253.6	600.4	663.6	712.7	827.6	970.9	854.7	719.1	702.4	688.2
72.5°	849.5	701.1	547.4	600.4	631.3	728.2	867.6	770.8	644.3	608.1	583.6
75°	569.4	498.4	477.7	525.5	533.2	610.7	743.7	664.9	568.1	526.8	506.1
77.5°	431.2	380.9	401.5	444.1	428.6	502.2	612.0	592.6	512.6	475.1	464.8
80°	303.4	277.6	318.9	344.7	333.1	427.4	551.3	507.4	422.2	380.9	373.1
82.5°	191.1	185.9	235.0	238.9	242.7	338.3	453.2	398.9	327.9	269.8	250.5
85°	95.5	105.9	140.7	140.7	139.4	174.3	258.2	224.6	176.9	140.7	136.9
87.5°	32.3	45.2	60.7	49.1	37.4	29.7	33.6	41.3	43.9	42.6	42.6
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)