

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: P637350

Luminaire Tested: GWS-SA4C-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637350
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-SA4C-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19179.6 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

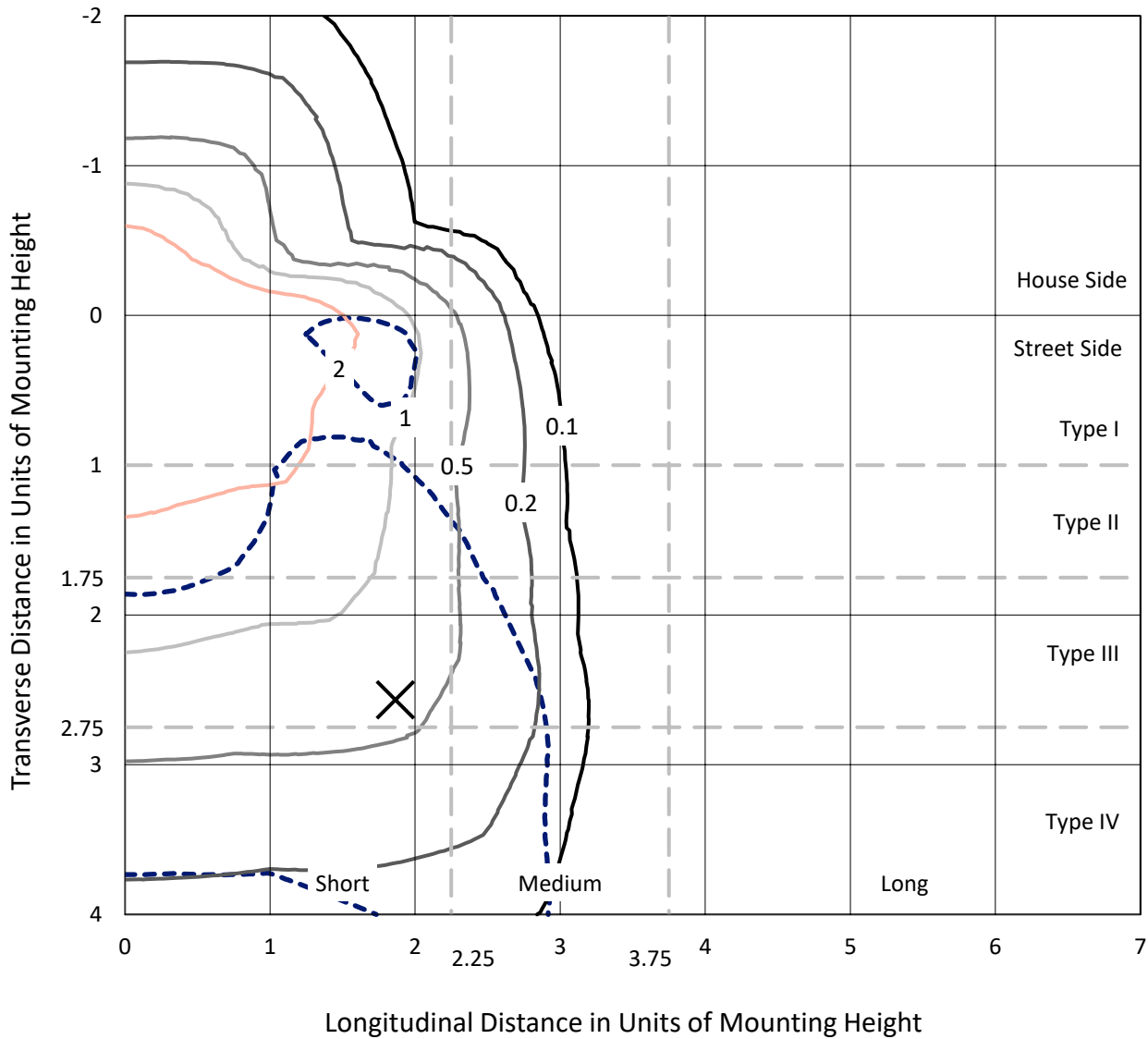
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

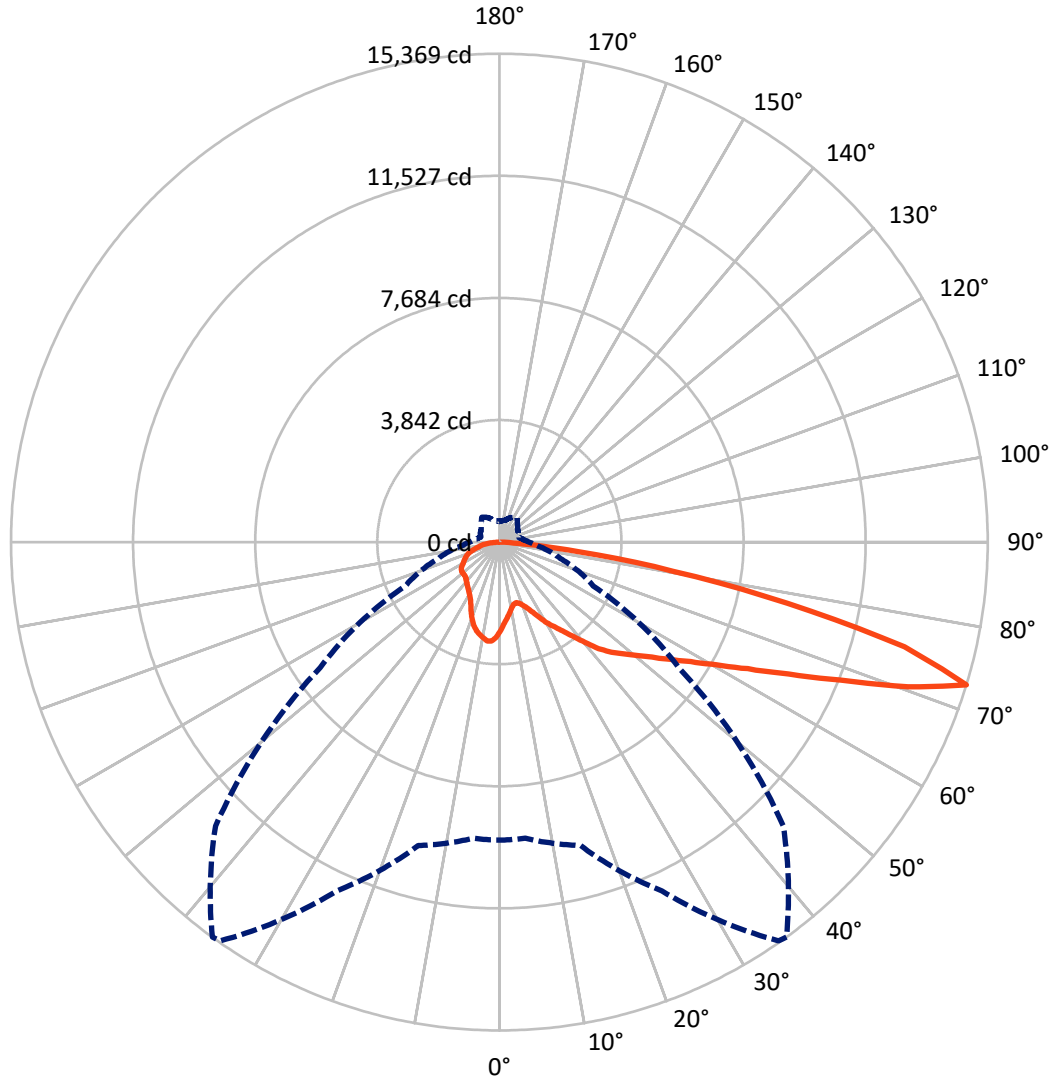
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	4421.7	0.0	4421.7
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	14757.9	0.0	14757.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	19179.6	0.0	19179.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.4	1.4
10°-20°	740.3	3.9
20°-30°	1226.0	6.4
30°-40°	1836.0	9.6
40°-50°	2678.6	14.0
50°-60°	3812.5	19.9
60°-70°	4816.8	25.1
70°-80°	3432.4	17.9
80°-90°	374.7	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°	19179.6	100.0
0°-180°	19179.6	100.0

Coefficient of Utilization



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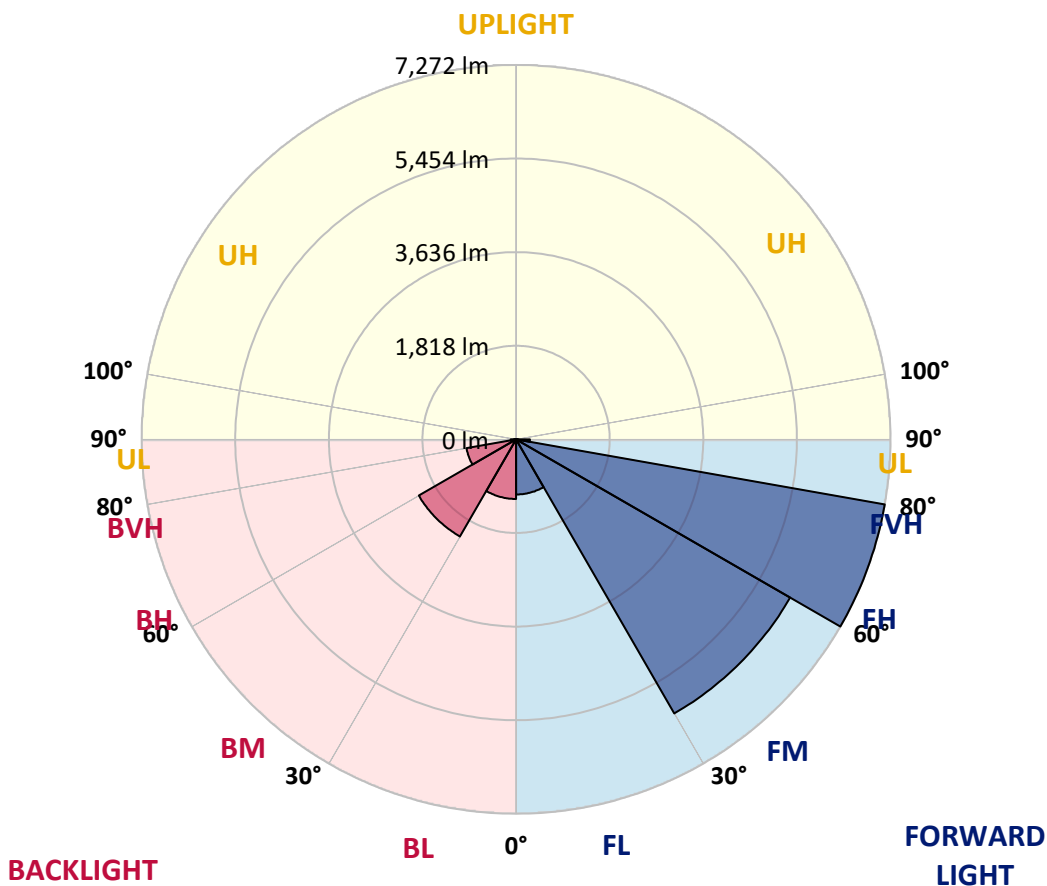
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1070.7	5.6			
FM (30°-60°)	6146.6	32.0			
FH (60°-80°)	7271.6	37.9			G3/7500
FVH (80°-90°)	268.9	1.4			G3/500
BL (0°-30°)	1157.9	6.0	B3/2500		
BM (30°-60°)	2180.5	11.4	B2/2500		
BH (60°-80°)	977.5	5.1	B2/1000		G2/1000
BVH (80°-90°)	105.8	0.6			G2/225
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°	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0
2.5°	2560.8	2556.5	2548.0	2573.6	2599.2	2596.4	2631.9	2666.1	2703.1	2741.5	2792.8
5°	2355.8	2352.9	2345.8	2384.3	2422.7	2421.3	2479.6	2535.1	2610.6	2693.1	2795.6
7.5°	2150.8	2143.7	2153.7	2202.1	2256.1	2261.8	2341.6	2432.7	2542.3	2666.1	2811.3
10°	1970.0	1968.6	1972.9	2027.0	2108.1	2113.8	2216.3	2343.0	2488.2	2653.3	2846.9
12.5°	1923.1	1920.2	1908.8	1935.9	1997.1	2005.6	2118.1	2273.2	2451.2	2660.4	2895.3
15°	1999.9	1992.8	1953.0	1940.1	1970.0	1977.2	2072.5	2232.0	2429.8	2673.2	2956.5
17.5°	2132.3	2128.0	2052.6	1999.9	2019.9	2025.6	2096.7	2224.8	2424.1	2698.8	3031.9
20°	2325.9	2307.4	2189.2	2109.5	2109.5	2118.1	2160.8	2256.1	2431.2	2730.2	3117.3
22.5°	2582.1	2545.1	2378.6	2270.4	2241.9	2253.3	2271.8	2334.4	2461.1	2782.8	3224.1
25°	2869.7	2835.5	2637.6	2485.3	2445.5	2449.7	2434.1	2445.5	2526.6	2855.4	3356.5
27.5°	3175.7	3152.9	2942.2	2748.7	2686.0	2686.0	2630.5	2603.5	2617.7	2938.0	3504.5
30°	3449.0	3417.7	3239.7	3027.7	2945.1	2945.1	2839.8	2781.4	2747.2	3039.0	3702.4
32.5°	3592.8	3574.3	3456.1	3293.8	3192.8	3177.1	3086.0	3017.7	2938.0	3188.5	3970.0
35°	3780.7	3776.4	3705.2	3578.5	3450.4	3427.6	3365.0	3310.9	3172.8	3375.0	4325.8
37.5°	4016.9	4009.8	3998.4	3923.0	3769.3	3765.0	3709.5	3644.0	3464.6	3644.0	4757.1
40°	4281.7	4268.9	4254.7	4253.2	4160.7	4145.1	4140.8	4066.8	3816.2	3968.5	5206.9
42.5°	4646.1	4602.0	4468.2	4528.0	4596.3	4582.0	4636.1	4525.1	4254.7	4354.3	5632.5
45°	5094.5	4986.3	4721.5	4738.6	4910.9	4939.3	5127.2	5100.2	4737.2	4799.8	6080.9
47.5°	5363.5	5269.6	5023.3	5009.1	5224.0	5259.6	5668.1	5719.4	5256.8	5336.5	6634.6
50°	5584.1	5518.7	5316.5	5336.5	5564.2	5599.8	6204.8	6314.4	5746.4	5885.9	7278.0
52.5°	5850.3	5756.4	5599.8	5693.8	5972.7	6015.5	6801.2	6919.3	6187.7	6489.5	7944.2
55°	5999.8	5961.4	5964.2	6108.0	6458.1	6516.5	7426.1	7406.1	6591.9	7006.2	8445.3
57.5°	6344.3	6330.0	6461.0	6515.1	7024.7	7100.1	8051.0	7880.2	6959.2	7406.1	8685.8
60°	6952.1	6916.5	7030.4	7112.9	7725.0	7831.8	8748.5	8344.2	7208.3	7703.6	8604.7
62.5°	7806.1	7762.0	7766.3	7897.2	8663.0	8775.5	9524.2	8731.4	7285.2	7749.2	8090.8
65°	8868.0	8804.0	8731.4	8909.3	9908.6	10002.5	10368.3	9013.2	7101.5	7310.8	7017.6
67.5°	9988.3	9935.6	9850.2	10223.1	11521.3	11578.2	11314.9	8989.0	6519.3	6137.9	4922.2
70°	10053.7	10066.6	10470.8	11820.2	13626.6	13640.8	12210.3	8502.2	5279.5	3978.5	2452.6
72.5°	9379.0	9357.7	9884.4	12112.0	15320.5	15368.9	12633.0	6888.0	3262.5	1984.3	1150.1
75°	7618.2	7655.3	8209.0	10597.5	13131.2	13173.9	10298.6	4061.1	1550.1	970.8	735.9
77.5°	3279.6	3486.0	4577.8	7465.9	9404.7	9272.3	5308.0	1645.5	827.0	691.8	563.7
80°	946.6	1027.7	1631.3	3550.1	5635.4	5535.8	2101.0	616.3	576.5	519.6	404.3
82.5°	306.0	338.8	597.8	1413.5	2525.2	2522.3	797.1	364.4	377.2	353.0	260.5
85°	85.4	98.2	183.6	428.5	781.5	765.8	230.6	172.2	200.7	203.6	129.5
87.5°	0.0	0.0	1.4	2.8	2.8	2.8	5.7	25.6	58.4	74.0	52.7
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°	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0	2807.0
2.5°	2824.1	2819.8	2878.2	2923.7	2966.4	2994.9	3003.5	3009.1	3020.5	3026.2	3020.5
5°	2844.0	2865.4	2962.2	3033.3	3090.3	3124.4	3125.9	3123.0	3131.6	3124.4	3120.2
7.5°	2886.7	2928.0	3050.4	3125.9	3162.9	3164.3	3130.1	3090.3	3070.4	3053.3	3047.6
10°	2943.7	3004.9	3138.7	3188.5	3177.1	3124.4	3049.0	2986.4	2950.8	2925.2	2919.5
12.5°	3022.0	3090.3	3217.0	3215.5	3144.4	3050.4	2962.2	2886.7	2835.5	2805.6	2795.6
15°	3096.0	3182.8	3273.9	3207.0	3094.6	2980.7	2866.8	2765.7	2697.4	2650.4	2641.9
17.5°	3187.1	3279.6	3315.2	3180.0	3031.9	2885.3	2733.0	2600.6	2508.1	2452.6	2448.3
20°	3292.4	3375.0	3335.1	3133.0	2950.8	2758.6	2552.2	2404.2	2304.5	2250.5	2254.7
22.5°	3414.8	3474.6	3340.8	3068.9	2838.3	2579.3	2348.7	2206.3	2139.4	2111.0	2112.4
25°	3545.8	3584.2	3330.8	2982.1	2666.1	2360.1	2139.4	2073.9	2068.3	2061.1	2064.0
27.5°	3700.9	3692.4	3301.0	2859.7	2434.1	2105.3	1992.8	2009.9	2032.7	2029.8	2032.7
30°	3908.8	3827.6	3262.5	2690.3	2157.9	1891.7	1906.0	1954.4	1984.3	1987.1	1995.7
32.5°	4146.5	3977.1	3201.3	2459.7	1894.6	1772.2	1824.8	1883.2	1918.8	1925.9	1937.3
35°	4429.7	4147.9	3093.1	2172.2	1705.3	1701.0	1749.4	1789.3	1827.7	1830.5	1830.5
37.5°	4755.7	4318.7	2920.9	1854.7	1588.6	1639.8	1685.4	1693.9	1703.9	1695.3	1699.6
40°	5054.6	4483.8	2676.1	1565.8	1493.2	1585.7	1624.1	1595.7	1564.4	1543.0	1547.3
42.5°	5305.2	4596.3	2351.5	1363.7	1396.4	1537.3	1567.2	1508.8	1447.6	1407.8	1413.5
45°	5587.0	4700.2	1970.0	1227.0	1313.8	1503.2	1523.1	1447.6	1369.3	1309.6	1301.0
47.5°	5975.6	4912.3	1631.3	1131.6	1255.5	1484.6	1517.4	1414.9	1312.4	1222.7	1212.8
50°	6455.3	5212.6	1348.0	1069.0	1228.4	1474.7	1516.0	1379.3	1256.9	1151.6	1144.4
52.5°	6979.1	5505.9	1138.8	1020.6	1201.4	1444.8	1508.8	1339.5	1198.5	1084.7	1076.1
55°	7327.9	5621.2	997.8	975.1	1157.3	1397.8	1480.4	1301.0	1110.3	1006.4	993.6
57.5°	7430.3	5473.1	899.6	933.8	1100.3	1332.3	1426.3	1219.9	1056.2	973.6	963.7
60°	7253.8	5100.2	838.4	899.6	1037.7	1248.4	1332.3	1172.9	1013.5	939.5	932.4
62.5°	6755.6	4525.1	791.4	864.0	973.6	1160.1	1272.6	1116.0	966.5	908.2	898.2
65°	5753.5	3710.9	753.0	827.0	912.4	1076.1	1207.1	1059.0	915.3	871.1	859.8
67.5°	4024.1	2606.3	711.7	782.9	851.2	995.0	1138.8	1006.4	862.6	829.9	818.5
70°	1967.2	1382.2	661.9	731.6	785.7	912.4	1070.4	942.3	792.9	774.4	758.7
72.5°	936.6	772.9	603.5	661.9	696.1	802.8	956.6	849.8	710.3	670.4	643.4
75°	627.7	549.4	526.7	579.3	587.9	673.3	819.9	733.1	626.3	580.8	558.0
77.5°	475.4	419.9	442.7	489.7	472.6	553.7	674.7	653.4	565.1	523.8	512.4
80°	334.5	306.0	351.6	380.1	367.2	471.2	607.8	559.4	465.5	419.9	411.4
82.5°	210.7	205.0	259.1	263.3	267.6	372.9	499.6	439.8	361.6	297.5	276.1
85°	105.3	116.7	155.2	155.2	153.7	192.2	284.7	247.7	195.0	155.2	150.9
87.5°	35.6	49.8	66.9	54.1	41.3	32.7	37.0	45.6	48.4	47.0	47.0
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)