

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: P631434

Luminaire Tested: GWS-SA1F-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-760-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

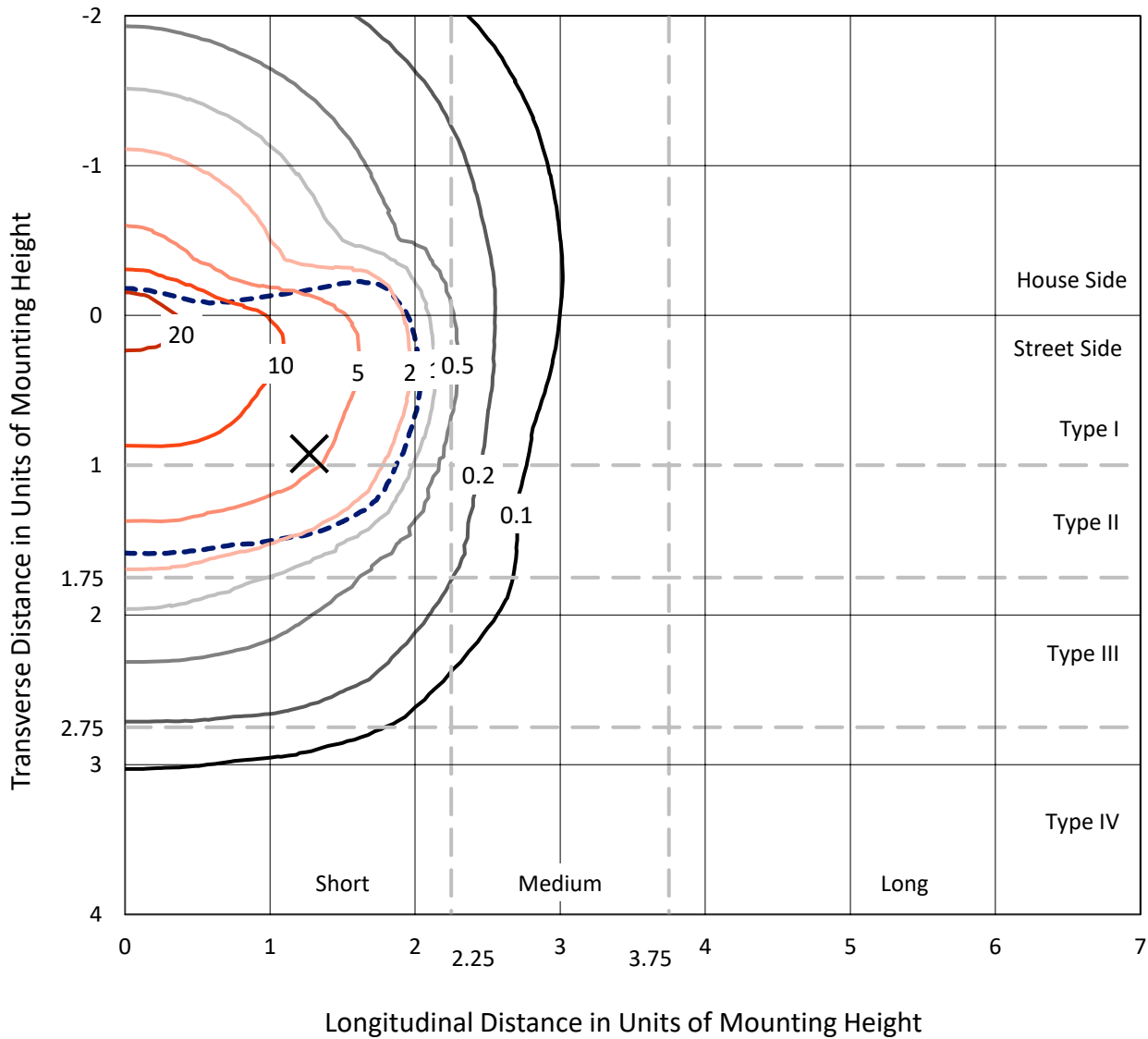
Lumens per Lamp: N/A  
Luminaire Lumens: 7118.2 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

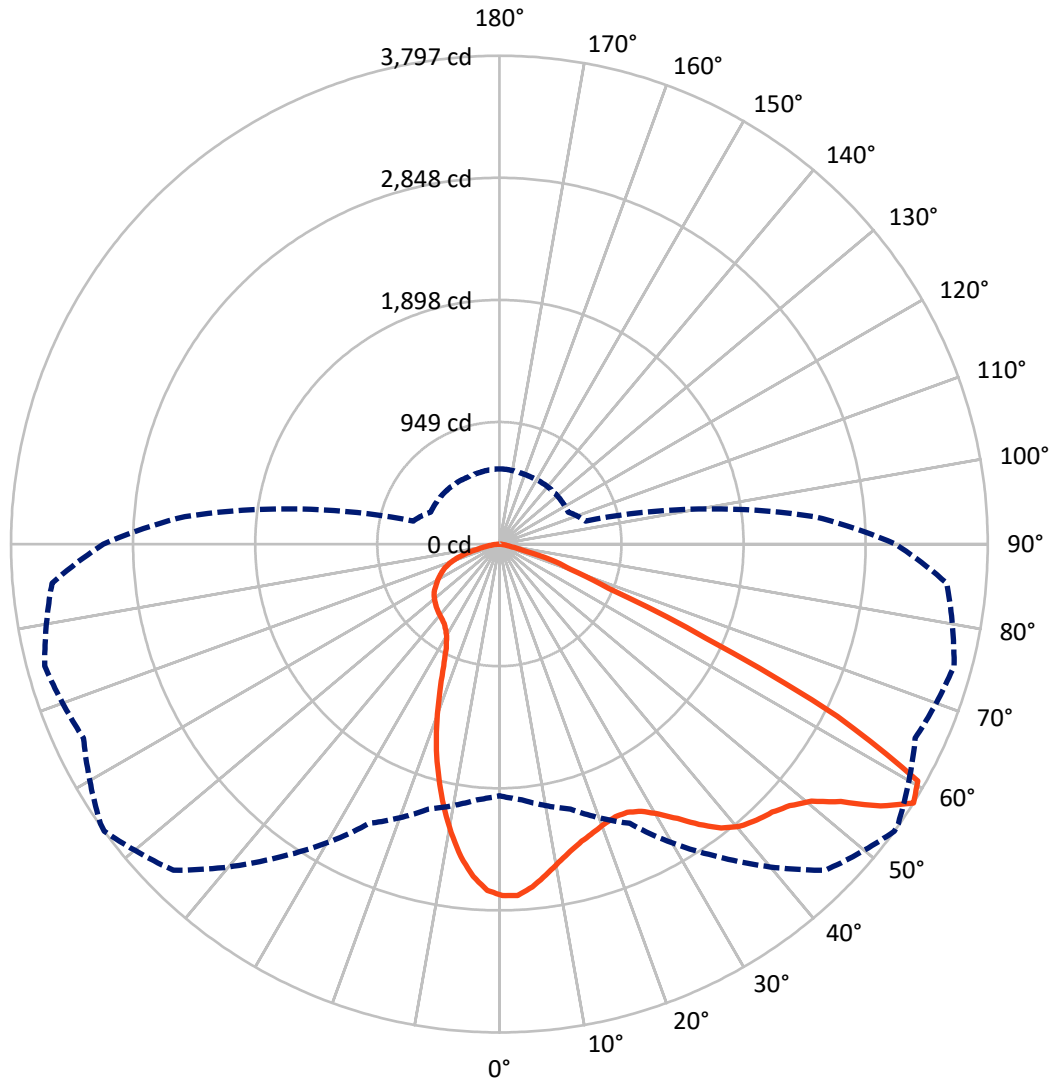
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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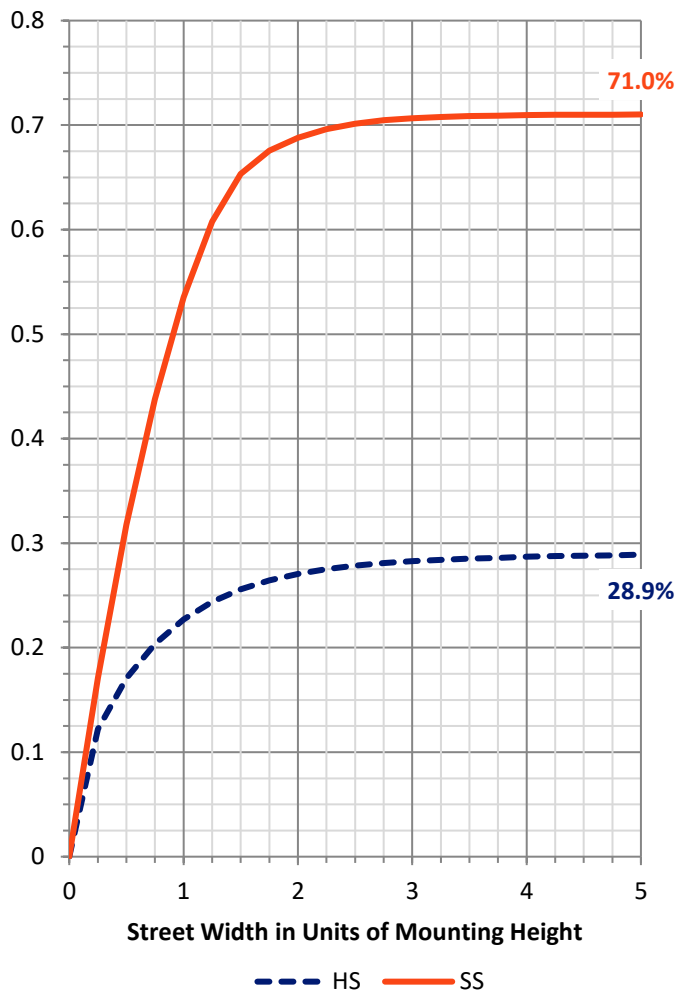
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2069.3	0.0	2069.3
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	5048.9	0.0	5048.9
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	7118.2	0.0	7118.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.2	3.4
10°-20°	573.2	8.1
20°-30°	793.2	11.1
30°-40°	1102.1	15.5
40°-50°	1455.6	20.4
50°-60°	1729.8	24.3
60°-70°	958.3	13.5
70°-80°	238.6	3.4
80°-90°	27.1	0.4
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°	7118.2	100.0
0°-180°	7118.2	100.0

**Coefficient of Utilization**



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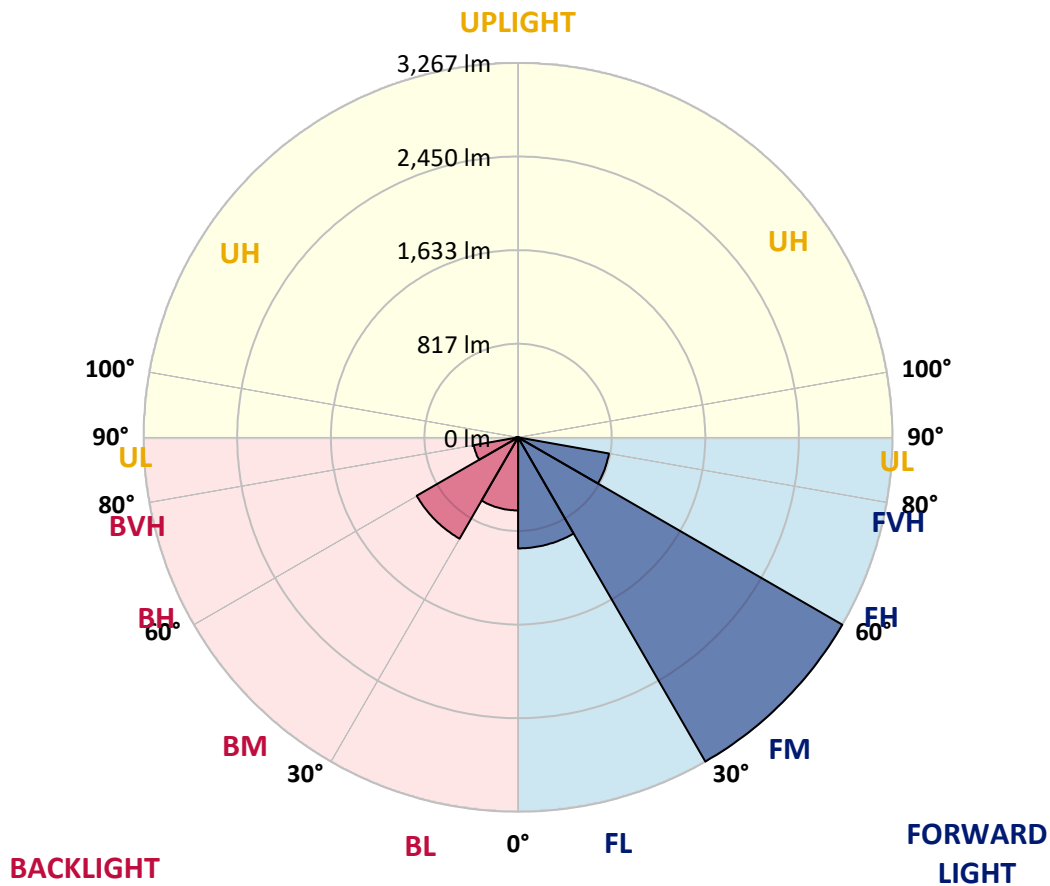
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	968.9	13.6			
FM (30°-60°)	3266.7	45.9			
FH (60°-80°)	804.8	11.3			G1/1800
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	637.7	9.0	B2/1000		
BM (30°-60°)	1020.9	14.3	B2/2500		
BH (60°-80°)	392.2	5.5	B1/500		G1/500
BVH (80°-90°)	18.6	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8
2.5°	2681.7	2687.1	2690.8	2703.6	2714.6	2724.3	2734.7	2734.7	2734.1	2732.2	2728.6
5°	2575.6	2581.7	2590.3	2607.9	2631.7	2648.8	2676.8	2679.2	2691.4	2696.3	2693.8
7.5°	2452.5	2454.4	2465.3	2488.5	2526.3	2556.7	2597.0	2601.8	2631.1	2648.1	2645.1
10°	2317.9	2311.8	2331.3	2365.4	2414.8	2466.0	2517.7	2522.0	2568.9	2601.2	2598.8
12.5°	2194.8	2195.4	2214.9	2256.3	2317.9	2381.3	2450.7	2460.5	2518.4	2559.8	2555.5
15°	2091.8	2094.3	2118.0	2164.9	2235.0	2310.6	2397.1	2406.2	2479.4	2534.2	2522.0
17.5°	2009.6	2012.0	2032.7	2086.3	2161.3	2252.7	2358.1	2367.2	2458.0	2523.2	2498.2
20°	1952.9	1951.7	1971.8	2023.0	2100.4	2199.7	2324.0	2337.4	2451.3	2527.5	2482.4
22.5°	1929.7	1929.1	1943.8	1985.8	2058.3	2158.9	2303.3	2321.5	2458.6	2546.4	2472.7
25°	1941.3	1938.9	1951.7	1982.8	2040.6	2143.0	2309.4	2328.9	2489.7	2585.4	2474.5
27.5°	1977.3	1974.2	1985.2	2013.2	2057.1	2159.5	2352.0	2374.6	2555.5	2656.7	2498.9
30°	2032.1	2030.3	2041.3	2068.1	2106.4	2214.3	2433.7	2459.3	2657.3	2767.6	2551.9
32.5°	2096.1	2093.0	2112.5	2143.6	2188.1	2314.2	2543.3	2576.9	2777.9	2910.2	2640.8
35°	2168.0	2165.6	2192.4	2237.5	2301.4	2453.2	2676.2	2712.7	2901.0	3071.6	2759.0
37.5°	2238.1	2238.1	2289.9	2356.9	2437.3	2604.3	2801.1	2824.2	2986.3	3214.8	2885.8
40°	2300.2	2303.9	2381.9	2482.4	2584.8	2740.8	2883.3	2902.8	3024.1	3313.5	2996.1
42.5°	2369.1	2372.1	2462.9	2594.5	2716.4	2851.0	2933.3	2943.1	3031.4	3362.9	3074.1
45°	2423.9	2428.2	2540.9	2681.7	2830.9	2933.9	2972.9	2981.4	3041.8	3389.7	3130.7
47.5°	2452.5	2458.6	2587.8	2751.7	2908.3	3008.3	3038.1	3041.8	3084.4	3436.6	3199.0
50°	2447.7	2459.9	2605.5	2786.5	2965.6	3083.2	3142.9	3149.0	3171.6	3505.5	3278.8
52.5°	2490.9	2496.4	2643.3	2827.9	3047.3	3221.5	3325.1	3333.6	3323.3	3557.3	3326.3
55°	2419.0	2445.2	2596.3	2821.8	3171.6	3435.4	3595.0	3590.8	3461.0	3615.1	3405.5
57.5°	1956.6	1994.9	2133.3	2395.3	2966.8	3585.3	3796.7	3786.4	3567.6	3659.6	3491.5
60°	1354.5	1360.6	1485.5	1671.4	2289.9	3167.3	3737.6	3760.2	3587.1	3603.6	3332.4
62.5°	1083.4	1081.6	1093.1	1098.0	1456.3	2226.5	2950.4	3032.6	2980.2	2807.8	2361.8
65°	925.0	931.7	965.8	948.1	950.6	1254.0	1762.8	1774.4	1737.8	1675.7	1249.1
67.5°	723.9	735.5	795.8	864.6	842.7	807.4	914.6	909.1	716.6	554.5	458.2
70°	453.3	460.7	525.2	678.8	733.6	662.9	588.0	585.6	383.9	315.6	346.1
72.5°	264.4	265.7	283.9	378.4	486.9	453.3	432.6	416.8	246.8	251.7	276.0
75°	145.6	145.6	145.0	163.3	191.9	170.0	164.5	160.3	165.1	187.1	205.3
77.5°	30.5	31.1	32.9	43.3	56.1	68.2	85.9	86.5	107.9	124.9	139.5
80°	14.0	14.6	18.3	23.2	29.9	39.6	52.4	53.0	65.2	78.6	88.4
82.5°	7.3	7.9	9.7	12.2	15.8	20.7	29.2	29.2	39.0	46.3	52.4
85°	2.4	2.4	3.7	4.9	6.7	8.5	11.6	11.6	17.1	22.5	26.2
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	2.4	3.0	3.7	6.1
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°	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8	2732.8
2.5°	2720.7	2701.8	2702.4	2706.0	2694.5	2676.8	2665.2	2650.6	2641.4	2639.6	2646.3
5°	2681.7	2659.7	2644.5	2628.6	2595.7	2556.7	2526.3	2501.3	2484.8	2478.7	2471.4
7.5°	2628.0	2599.4	2561.0	2516.5	2456.8	2387.3	2338.6	2292.9	2261.2	2252.1	2247.8
10°	2574.4	2533.0	2464.7	2381.9	2282.5	2188.7	2100.4	2032.7	1979.1	1948.6	1958.4
12.5°	2519.0	2467.8	2361.1	2233.8	2095.5	1954.1	1838.3	1726.2	1639.7	1596.4	1583.6
15°	2470.2	2400.8	2252.1	2079.6	1895.6	1717.7	1550.1	1382.0	1272.3	1212.6	1196.1
17.5°	2428.8	2338.6	2136.9	1922.4	1702.5	1449.0	1243.0	1087.0	1012.1	979.2	976.8
20°	2388.0	2277.7	2023.0	1753.0	1479.4	1195.5	1011.5	938.4	911.6	900.0	899.4
22.5°	2351.4	2213.7	1902.9	1583.6	1257.7	1004.8	903.6	871.9	864.6	864.6	863.4
25°	2320.3	2149.7	1779.8	1403.9	1057.2	894.5	847.6	834.2	837.2	842.7	843.3
27.5°	2307.5	2099.7	1661.0	1219.3	918.9	830.5	809.2	807.4	815.9	824.4	825.6
30°	2320.9	2065.6	1539.2	1042.6	836.0	791.5	781.8	785.4	795.8	804.3	804.3
32.5°	2362.4	2048.6	1414.9	913.4	787.9	764.1	761.1	764.7	772.6	777.5	778.1
35°	2432.4	2055.3	1286.3	826.2	756.8	744.0	743.4	745.8	748.9	751.9	752.5
37.5°	2520.8	2085.1	1148.6	775.7	736.7	729.4	728.1	727.5	728.1	728.1	728.8
40°	2607.3	2130.2	1025.5	745.8	722.7	716.6	713.5	709.3	708.6	707.4	706.8
42.5°	2671.3	2164.9	927.4	724.5	709.9	702.6	698.9	692.2	691.6	691.0	690.4
45°	2719.4	2194.2	845.7	703.8	696.5	689.8	681.8	675.7	677.0	678.2	678.2
47.5°	2773.7	2219.8	786.0	684.3	680.0	673.3	663.6	659.3	663.6	667.8	667.8
50°	2839.5	2255.7	737.3	664.8	662.9	655.0	646.5	644.7	649.5	655.6	655.6
52.5°	2887.6	2286.8	702.6	645.3	645.3	634.9	627.6	627.0	632.5	638.6	639.2
55°	2977.8	2359.3	690.4	622.7	620.3	612.4	606.9	602.6	609.3	614.8	614.8
57.5°	3079.5	2455.6	693.4	590.4	587.4	585.0	580.7	575.8	577.6	583.7	584.3
60°	2863.8	2269.1	659.9	558.1	556.3	555.1	549.6	541.1	543.5	548.4	549.0
62.5°	2000.4	1508.1	533.8	517.9	524.0	523.4	516.1	506.4	507.0	513.7	513.7
65°	1038.3	815.9	468.6	481.4	490.5	486.9	474.7	466.1	464.9	473.4	471.6
67.5°	447.9	445.4	426.5	443.0	452.7	444.8	432.0	418.0	419.2	422.3	419.8
70°	360.7	371.7	379.6	397.3	405.2	390.6	376.6	368.6	361.9	361.3	357.1
72.5°	288.2	303.4	321.1	339.4	341.8	327.2	309.5	302.2	291.9	291.3	287.0
75°	216.9	229.7	243.7	258.4	258.4	244.3	232.8	229.1	216.9	213.3	209.6
77.5°	148.1	156.0	167.0	170.6	174.3	168.8	157.2	151.1	137.1	133.4	128.6
80°	93.2	98.7	105.4	107.9	111.5	104.8	95.7	89.0	79.2	76.2	73.7
82.5°	56.1	59.7	64.0	65.2	68.2	63.4	54.8	50.0	44.5	42.0	40.2
85°	28.6	30.5	32.9	33.5	32.9	28.0	25.0	22.5	18.9	18.3	17.1
87.5°	7.3	8.5	9.1	8.5	7.9	6.1	4.3	3.0	1.2	1.2	0.6
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)