

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: P634235

Luminaire Tested: GWS-SA3B-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

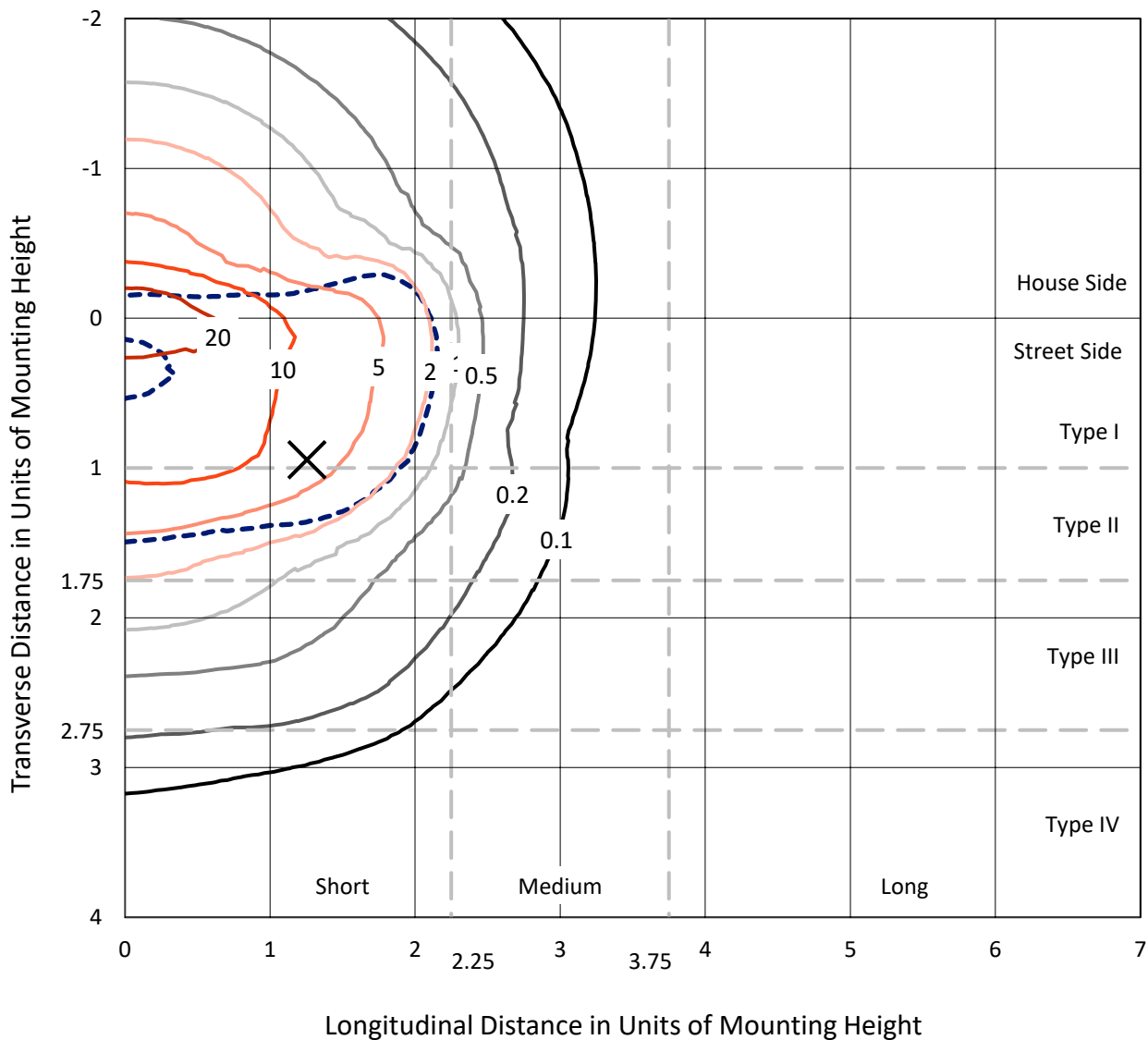
Lumens per Lamp: N/A  
Luminaire Lumens: 8737.7 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

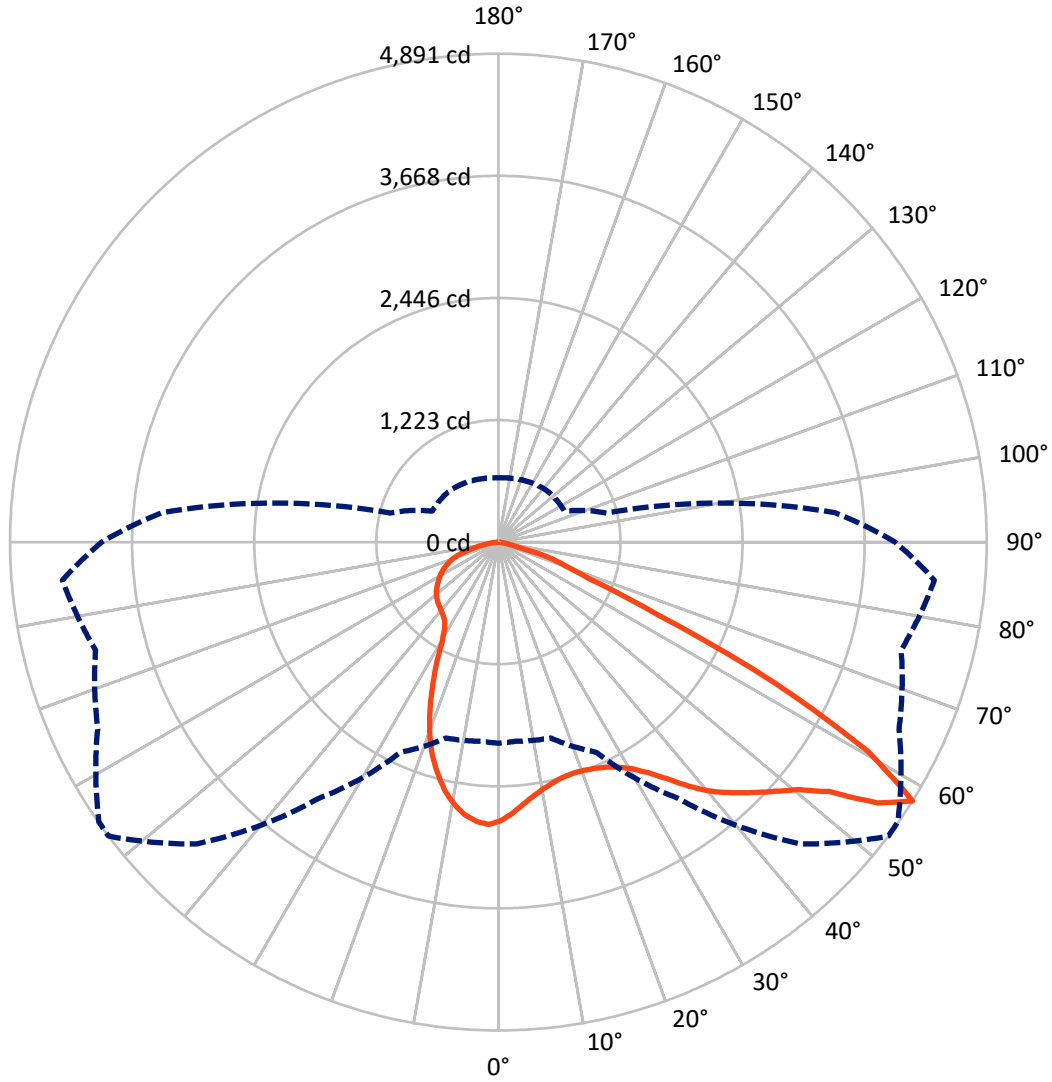
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2732.0	0.0	2732.0
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	6005.7	0.0	6005.7
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	8737.7	0.0	8737.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.3	2.9
10°-20°	662.0	7.6
20°-30°	975.3	11.2
30°-40°	1365.2	15.6
40°-50°	1794.6	20.5
50°-60°	2104.2	24.1
60°-70°	1239.6	14.2
70°-80°	308.4	3.5
80°-90°	36.2	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°	8737.7	100.0
0°-180°	8737.7	100.0

**Coefficient of Utilization**



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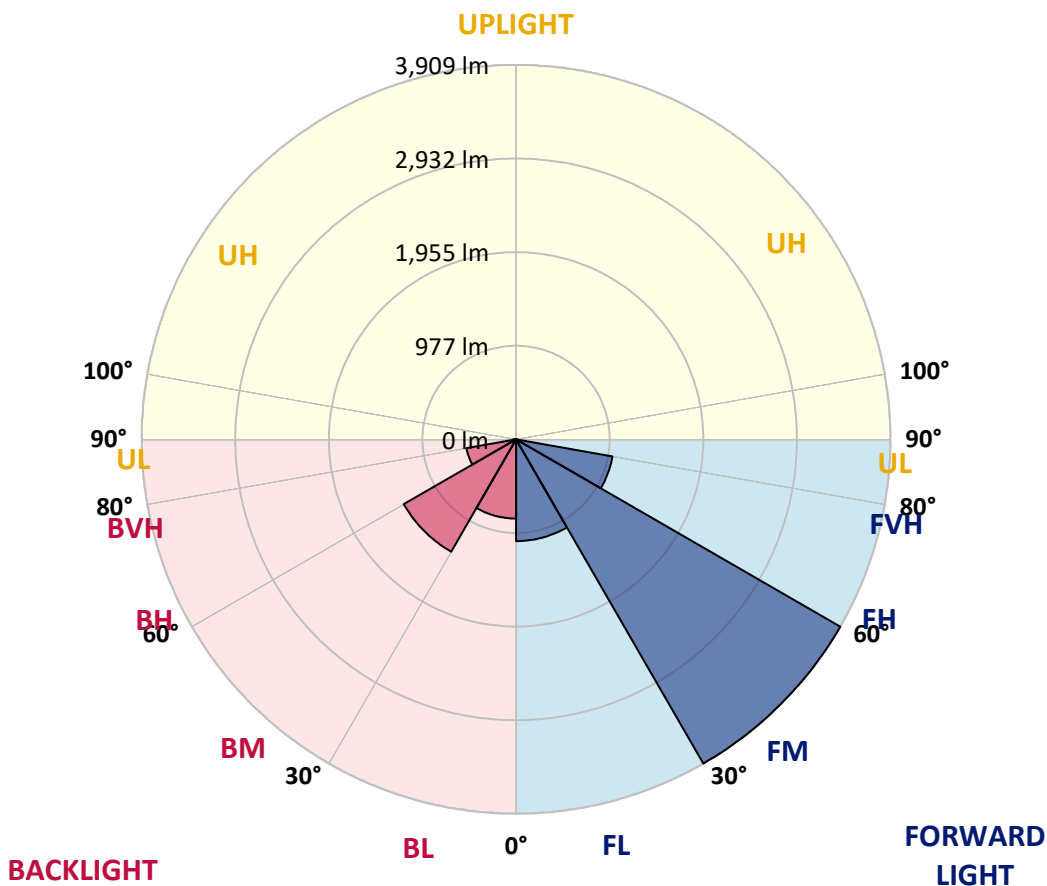
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1062.3	12.2			
FM (30°-60°)	3909.3	44.7			
FH (60°-80°)	1022.0	11.7			G1/1800
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	827.2	9.5	B2/1000		
BM (30°-60°)	1354.6	15.5	B2/2500		
BH (60°-80°)	526.0	6.0	B2/1000		G2/1000
BVH (80°-90°)	24.1	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°	53°	55°	65°	75°	85°
0°	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2
2.5°	2629.9	2637.2	2638.7	2661.5	2663.0	2696.0	2718.1	2713.7	2736.5	2764.4	2786.5
5°	2504.1	2504.8	2512.2	2539.4	2554.1	2597.5	2634.3	2634.3	2678.4	2735.8	2785.0
7.5°	2400.4	2399.7	2406.3	2436.4	2460.7	2512.9	2562.9	2568.8	2630.6	2714.4	2794.6
10°	2304.1	2309.2	2316.6	2353.3	2384.2	2448.9	2508.5	2518.1	2596.0	2699.7	2807.8
12.5°	2242.3	2243.0	2254.1	2295.2	2335.0	2404.1	2466.6	2478.4	2568.1	2685.8	2817.4
15°	2202.6	2203.3	2215.1	2260.7	2307.0	2376.9	2440.9	2454.1	2551.9	2683.5	2835.8
17.5°	2184.9	2184.2	2195.2	2240.8	2291.6	2364.4	2432.8	2448.9	2559.3	2700.5	2868.1
20°	2184.9	2185.7	2191.6	2232.7	2284.2	2361.4	2440.9	2460.7	2587.9	2738.7	2918.1
22.5°	2215.8	2218.8	2221.7	2249.6	2290.1	2365.8	2462.2	2488.7	2649.7	2802.7	2983.6
25°	2276.1	2276.9	2279.8	2302.6	2321.0	2378.3	2497.5	2537.2	2746.1	2896.1	3066.0
27.5°	2357.0	2367.3	2370.3	2385.0	2385.0	2409.2	2552.6	2610.0	2876.2	3030.7	3171.1
30°	2470.3	2474.0	2479.1	2495.3	2477.6	2467.3	2633.5	2707.1	3027.0	3193.2	3297.6
32.5°	2569.6	2577.6	2605.6	2632.1	2600.4	2568.1	2752.7	2839.5	3171.9	3362.3	3432.2
35°	2654.1	2674.0	2727.7	2786.5	2764.4	2732.1	2910.8	3001.2	3291.0	3483.7	3551.3
37.5°	2756.4	2771.8	2845.3	2940.9	2960.8	2945.4	3103.5	3168.2	3370.4	3514.6	3616.1
40°	2860.0	2883.6	2978.5	3110.8	3186.6	3197.6	3281.4	3324.8	3397.6	3454.3	3603.6
42.5°	2965.9	3006.4	3136.6	3291.0	3425.6	3450.6	3431.5	3449.9	3388.8	3371.2	3545.5
45°	3095.4	3143.2	3290.3	3487.4	3664.6	3703.6	3578.6	3561.6	3387.3	3339.5	3509.4
47.5°	3248.4	3296.2	3436.6	3666.1	3892.6	3921.3	3729.3	3698.4	3438.8	3388.1	3558.0
50°	3383.7	3416.8	3542.5	3799.2	4105.1	4122.0	3895.5	3858.0	3566.8	3522.7	3709.5
52.5°	3246.1	3242.5	3374.8	3691.1	4215.4	4419.1	4151.4	4115.4	3813.9	3746.2	3944.1
55°	2754.1	2712.2	2830.6	3141.7	3907.3	4683.2	4610.3	4538.3	4143.4	3971.3	4163.9
57.5°	2013.6	2001.8	2030.5	2322.5	3129.9	4274.3	4891.3	4884.7	4428.0	4177.2	4383.1
60°	1574.5	1556.9	1480.4	1488.5	2133.5	3338.8	4244.8	4439.7	4604.5	4300.7	4536.1
62.5°	1398.0	1384.8	1345.1	1235.5	1270.8	2238.6	3111.6	3290.3	4023.5	3798.4	3896.3
65°	1157.6	1153.9	1187.0	1182.6	1064.9	1236.2	1756.2	1936.4	2529.8	2561.5	2529.8
67.5°	841.3	834.7	918.5	1084.0	1025.2	933.2	978.8	1041.4	1297.3	1164.9	1048.7
70°	547.2	537.6	586.1	783.2	917.8	813.4	705.3	695.0	713.4	443.5	479.5
72.5°	367.0	355.9	355.2	431.0	554.5	547.9	546.4	541.3	483.2	350.1	388.3
75°	204.4	195.6	193.4	186.1	198.6	202.2	215.5	222.8	241.2	265.5	294.2
77.5°	34.6	33.8	42.7	54.4	75.0	96.3	119.1	125.8	155.2	183.9	202.2
80°	19.1	19.9	25.7	31.6	41.9	57.4	73.5	78.0	95.6	111.0	125.8
82.5°	10.3	10.3	13.2	16.9	22.8	30.2	39.7	43.4	55.2	64.7	75.0
85°	3.7	3.7	5.1	6.6	9.6	12.5	15.4	17.7	24.3	33.1	37.5
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	2.9	2.9	3.7	6.6	9.6
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°	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2	2790.2
2.5°	2804.9	2785.0	2812.2	2824.7	2829.2	2832.1	2813.0	2799.7	2795.3	2781.4	2773.3
5°	2815.2	2802.0	2827.7	2827.7	2809.3	2790.2	2751.2	2724.0	2704.9	2682.1	2678.4
7.5°	2832.8	2823.3	2837.3	2808.6	2762.2	2710.8	2643.1	2590.1	2547.5	2519.5	2520.3
10°	2856.4	2844.6	2833.6	2769.6	2685.0	2590.1	2486.5	2409.2	2338.6	2306.3	2288.6
12.5°	2871.8	2854.9	2808.6	2702.7	2578.4	2451.2	2304.8	2190.1	2087.9	2041.5	2037.8
15°	2890.9	2860.0	2767.4	2615.9	2443.1	2269.5	2081.2	1921.7	1783.4	1711.3	1707.6
17.5°	2915.9	2865.2	2718.1	2516.6	2300.4	2044.5	1807.7	1606.9	1459.8	1403.9	1413.5
20°	2951.2	2871.1	2662.2	2406.3	2123.2	1788.5	1493.6	1309.0	1252.4	1248.7	1241.4
22.5°	2991.0	2874.8	2600.4	2282.7	1908.4	1515.7	1234.0	1155.3	1154.6	1173.0	1177.4
25°	3035.8	2877.7	2530.6	2138.6	1676.0	1243.6	1091.4	1067.8	1086.2	1120.8	1125.2
27.5°	3093.2	2883.6	2446.0	1980.5	1428.9	1074.4	1012.7	1006.8	1028.9	1061.2	1059.7
30°	3177.8	2904.9	2356.3	1798.8	1175.2	994.3	964.9	965.6	974.4	989.9	992.1
32.5°	3263.8	2938.0	2268.8	1594.4	1029.6	948.7	935.5	934.0	934.0	940.6	942.1
35°	3345.4	2975.5	2173.9	1381.1	959.0	922.2	913.4	909.0	906.8	905.3	903.1
37.5°	3391.0	2993.9	2081.2	1170.8	921.5	904.6	895.7	889.9	881.8	875.9	874.4
40°	3371.2	2972.6	1973.9	1013.4	898.7	887.7	877.4	869.3	858.2	853.1	850.1
42.5°	3305.0	2906.4	1856.9	939.1	880.3	869.3	856.8	843.5	836.2	831.8	831.0
45°	3235.1	2826.2	1715.7	895.7	862.6	849.4	834.7	820.0	811.9	809.7	809.0
47.5°	3232.9	2786.5	1565.7	861.2	841.3	828.1	809.7	795.0	786.2	783.2	780.3
50°	3330.0	2827.0	1396.6	831.0	819.3	805.3	784.7	768.5	757.5	753.8	753.1
52.5°	3531.5	2979.2	1245.1	800.9	789.8	773.7	756.7	740.6	727.3	720.7	720.0
55°	3749.2	3172.6	1150.9	770.0	755.3	741.3	725.9	708.2	693.5	683.2	681.7
57.5°	3974.2	3383.7	1122.3	731.0	720.0	710.4	692.0	672.9	656.0	646.4	644.2
60°	4159.5	3565.3	1175.9	689.8	683.9	671.4	654.5	636.1	624.4	617.0	615.5
62.5°	3482.2	2902.7	949.4	645.0	645.0	631.7	612.6	599.4	591.3	586.1	584.7
65°	2209.9	1797.4	647.9	600.1	599.4	581.7	565.5	556.7	553.0	544.9	543.5
67.5°	962.7	821.5	553.8	554.5	551.6	532.4	516.3	509.6	502.3	493.5	492.7
70°	499.4	508.9	495.7	503.8	498.6	475.8	460.4	450.1	434.6	425.8	426.5
72.5°	403.0	413.3	428.0	440.5	429.5	411.1	386.8	374.3	354.5	344.9	345.6
75°	307.4	318.4	332.4	345.6	336.8	314.0	298.6	286.1	263.3	252.2	254.5
77.5°	211.8	217.7	234.6	233.9	230.9	224.3	201.5	186.8	163.3	150.0	151.5
80°	131.6	135.3	143.4	147.1	145.6	136.8	118.4	107.4	93.4	85.3	86.0
82.5°	79.4	81.6	89.0	89.7	89.0	82.4	68.4	60.3	51.5	47.1	47.1
85°	40.4	41.9	46.3	46.3	41.9	35.3	31.6	27.9	22.8	20.6	20.6
87.5°	11.0	11.0	14.0	11.8	9.6	8.8	4.4	3.7	1.5	0.7	0.7
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)