

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: P632420

Luminaire Tested: GWS-SA2C-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632420  
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-SA2C-760-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

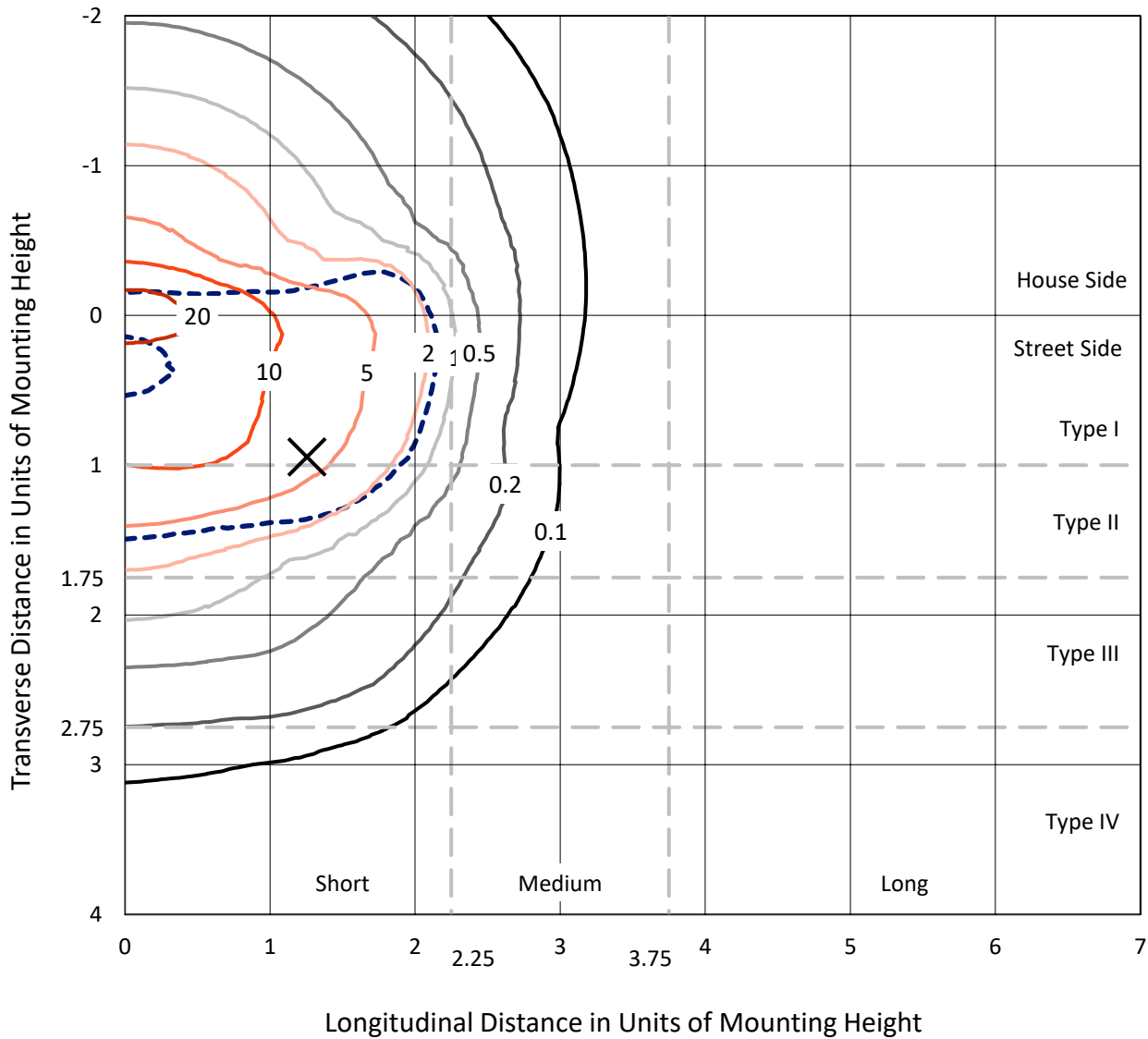
Lumens per Lamp: N/A  
Luminaire Lumens: 7953 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

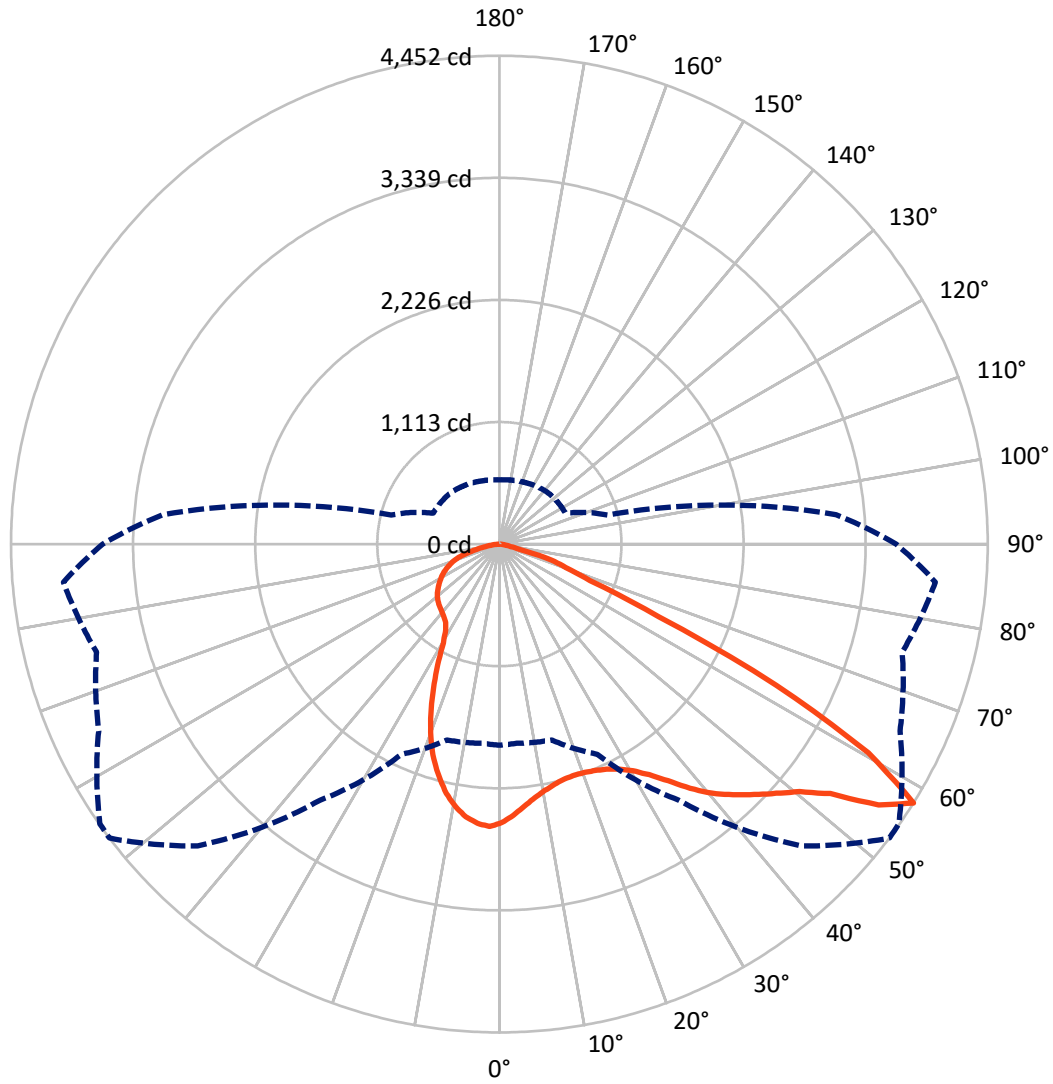
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.4 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	2486.6	0.0	2486.6
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	5466.4	0.0	5466.4
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	7953.0	0.0	7953.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.7	2.9
10°-20°	602.5	7.6
20°-30°	887.7	11.2
30°-40°	1242.6	15.6
40°-50°	1633.5	20.5
50°-60°	1915.2	24.1
60°-70°	1128.3	14.2
70°-80°	280.7	3.5
80°-90°	32.9	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°	7953.0	100.0
0°-180°	7953.0	100.0

**Coefficient of Utilization**



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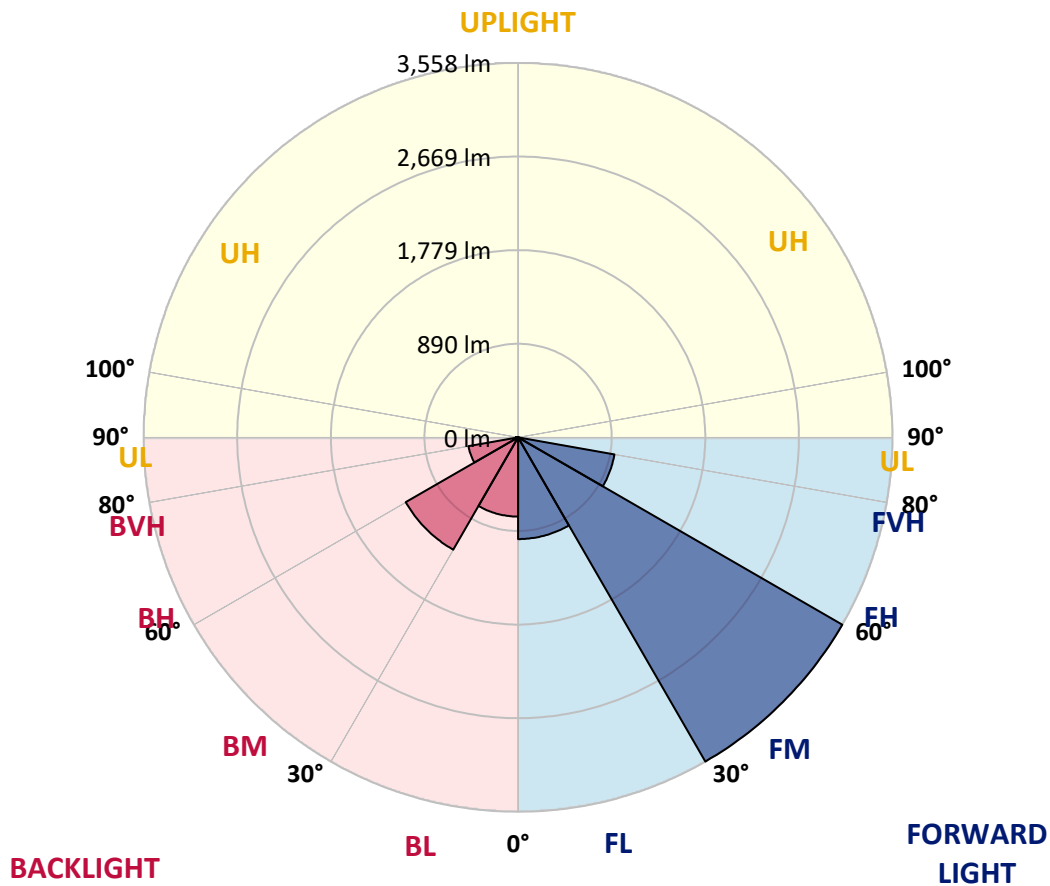
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.9	12.2			
FM (30°-60°)	3558.2	44.7			
FH (60°-80°)	930.2	11.7			G1/1800
FVH (80°-90°)	11.0	0.1			G1/100
BL (0°-30°)	753.0	9.5	B2/1000		
BM (30°-60°)	1233.0	15.5	B2/2500		
BH (60°-80°)	478.8	6.0	B1/500		G1/500
BVH (80°-90°)	21.9	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°	53°	55°	65°	75°	85°
0°	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6
2.5°	2393.7	2400.4	2401.7	2422.5	2423.8	2453.9	2474.0	2470.0	2490.7	2516.2	2536.3
5°	2279.2	2279.9	2286.6	2311.4	2324.7	2364.2	2397.7	2397.7	2437.9	2490.1	2534.9
7.5°	2184.8	2184.2	2190.2	2217.6	2239.7	2287.3	2332.8	2338.1	2394.4	2470.7	2543.6
10°	2097.2	2101.8	2108.5	2142.0	2170.1	2229.0	2283.2	2291.9	2362.9	2457.3	2555.7
12.5°	2040.9	2041.6	2051.6	2089.1	2125.3	2188.2	2245.1	2255.8	2337.5	2444.6	2564.4
15°	2004.8	2005.4	2016.2	2057.7	2099.8	2163.4	2221.7	2233.7	2322.7	2442.5	2581.1
17.5°	1988.7	1988.0	1998.1	2039.6	2085.8	2152.0	2214.3	2229.0	2329.4	2457.9	2610.6
20°	1988.7	1989.4	1994.7	2032.2	2079.1	2149.4	2221.7	2239.7	2355.5	2492.8	2656.1
22.5°	2016.8	2019.5	2022.2	2047.6	2084.4	2153.4	2241.1	2265.2	2411.8	2551.0	2715.7
25°	2071.7	2072.4	2075.1	2095.8	2112.5	2164.8	2273.2	2309.3	2499.4	2636.0	2790.6
27.5°	2145.3	2154.7	2157.4	2170.8	2170.8	2192.9	2323.4	2375.6	2617.9	2758.5	2886.3
30°	2248.4	2251.8	2256.5	2271.2	2255.1	2245.8	2397.0	2464.0	2755.1	2906.4	3001.5
32.5°	2338.8	2346.2	2371.6	2395.7	2366.9	2337.5	2505.5	2584.5	2887.0	3060.4	3124.0
35°	2415.8	2433.8	2482.7	2536.3	2516.2	2486.7	2649.4	2731.7	2995.5	3170.8	3232.4
37.5°	2508.8	2522.9	2589.8	2676.8	2694.9	2680.8	2824.8	2883.7	3067.7	3198.9	3291.3
40°	2603.2	2624.6	2711.0	2831.5	2900.4	2910.4	2986.8	3026.2	3092.5	3144.1	3279.9
42.5°	2699.6	2736.4	2854.9	2995.5	3117.9	3140.7	3123.3	3140.0	3084.5	3068.4	3227.1
45°	2817.4	2860.9	2994.8	3174.2	3335.5	3371.0	3257.2	3241.8	3083.1	3039.6	3194.3
47.5°	2956.6	3000.1	3128.0	3336.8	3543.0	3569.1	3394.4	3366.3	3130.0	3083.8	3238.4
50°	3079.8	3109.9	3224.4	3458.0	3736.4	3751.8	3545.7	3511.5	3246.5	3206.3	3376.3
52.5°	2954.6	2951.3	3071.8	3359.6	3836.9	4022.3	3778.6	3745.8	3471.4	3409.8	3589.9
55°	2506.8	2468.7	2576.4	2859.6	3556.4	4262.6	4196.3	4130.7	3771.3	3614.6	3790.0
57.5°	1832.7	1822.0	1848.1	2113.9	2848.9	3890.4	4452.0	4446.0	4030.3	3802.0	3989.5
60°	1433.1	1417.1	1347.5	1354.8	1941.9	3039.0	3863.6	4041.0	4191.0	3914.5	4128.7
62.5°	1272.5	1260.4	1224.3	1124.5	1156.7	2037.6	2832.1	2994.8	3662.1	3457.3	3546.3
65°	1053.6	1050.2	1080.4	1076.4	969.3	1125.2	1598.5	1762.5	2302.6	2331.4	2302.6
67.5°	765.8	759.7	836.0	986.7	933.1	849.4	890.9	947.8	1180.8	1060.3	954.5
70°	498.0	489.3	533.5	712.9	835.4	740.3	641.9	632.6	649.3	403.6	436.4
72.5°	334.0	324.0	323.3	392.3	504.7	498.7	497.3	492.7	439.8	318.6	353.4
75°	186.1	178.1	176.0	169.4	180.7	184.1	196.1	202.8	219.6	241.6	267.7
77.5°	31.5	30.8	38.8	49.5	68.3	87.7	108.4	114.5	141.2	167.3	184.1
80°	17.4	18.1	23.4	28.8	38.2	52.2	66.9	71.0	87.0	101.1	114.5
82.5°	9.4	9.4	12.0	15.4	20.8	27.4	36.1	39.5	50.2	58.9	68.3
85°	3.3	3.3	4.7	6.0	8.7	11.4	14.1	16.1	22.1	30.1	34.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	2.7	2.7	3.3	6.0	8.7
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°	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6	2539.6
2.5°	2553.0	2534.9	2559.7	2571.1	2575.1	2577.8	2560.4	2548.3	2544.3	2531.6	2524.2
5°	2562.4	2550.3	2573.7	2573.7	2557.0	2539.6	2504.1	2479.4	2462.0	2441.2	2437.9
7.5°	2578.4	2569.7	2582.4	2556.3	2514.2	2467.3	2405.7	2357.5	2318.7	2293.3	2293.9
10°	2599.9	2589.1	2579.1	2520.9	2443.9	2357.5	2263.2	2192.9	2128.6	2099.2	2083.1
12.5°	2613.9	2598.5	2556.3	2460.0	2346.8	2231.0	2097.8	1993.4	1900.4	1858.2	1854.8
15°	2631.3	2603.2	2518.9	2381.0	2223.7	2065.7	1894.3	1749.1	1623.2	1557.6	1554.3
17.5°	2654.1	2607.9	2474.0	2290.6	2093.8	1860.9	1645.3	1462.6	1328.7	1277.8	1286.5
20°	2686.2	2613.2	2423.1	2190.2	1932.5	1627.9	1359.5	1191.5	1139.9	1136.6	1129.9
22.5°	2722.3	2616.6	2366.9	2077.7	1737.0	1379.6	1123.2	1051.6	1050.9	1067.7	1071.7
25°	2763.2	2619.3	2303.3	1946.5	1525.5	1131.9	993.4	971.9	988.7	1020.1	1024.1
27.5°	2815.4	2624.6	2226.3	1802.6	1300.6	978.0	921.7	916.4	936.5	965.9	964.6
30°	2892.4	2644.0	2144.7	1637.3	1069.7	905.0	878.2	878.9	886.9	901.0	903.0
32.5°	2970.7	2674.2	2065.0	1451.2	937.1	863.5	851.4	850.1	850.1	856.1	857.5
35°	3045.0	2708.3	1978.7	1257.1	872.9	839.4	831.4	827.3	825.3	824.0	822.0
37.5°	3086.5	2725.0	1894.3	1065.6	838.7	823.3	815.3	809.9	802.6	797.2	795.9
40°	3068.4	2705.6	1796.6	922.4	818.0	807.9	798.6	791.2	781.2	776.5	773.8
42.5°	3008.2	2645.4	1690.2	854.8	801.2	791.2	779.8	767.8	761.1	757.1	756.4
45°	2944.6	2572.4	1561.7	815.3	785.2	773.1	759.7	746.4	739.0	737.0	736.3
47.5°	2942.6	2536.3	1425.1	783.8	765.8	753.7	737.0	723.6	715.6	712.9	710.2
50°	3030.9	2573.1	1271.1	756.4	745.7	733.0	714.2	699.5	689.5	686.1	685.4
52.5°	3214.3	2711.6	1133.3	728.9	718.9	704.2	688.8	674.1	662.0	656.0	655.3
55°	3412.5	2887.7	1047.6	700.8	687.4	674.7	660.7	644.6	631.2	621.8	620.5
57.5°	3617.3	3079.8	1021.5	665.4	655.3	646.6	629.9	612.5	597.1	588.4	586.4
60°	3786.0	3245.1	1070.3	627.9	622.5	611.1	595.7	579.0	568.3	561.6	560.3
62.5°	3169.5	2642.0	864.2	587.0	587.0	575.0	557.6	545.5	538.2	533.5	532.2
65°	2011.5	1636.0	589.7	546.2	545.5	529.5	514.7	506.7	503.4	496.0	494.7
67.5°	876.2	747.7	504.0	504.7	502.0	484.6	469.9	463.9	457.2	449.2	448.5
70°	454.5	463.2	451.2	458.5	453.8	433.1	419.0	409.7	395.6	387.6	388.2
72.5°	366.8	376.2	389.6	401.0	390.9	374.2	352.1	340.7	322.6	313.9	314.6
75°	279.8	289.8	302.6	314.6	306.6	285.8	271.8	260.4	239.6	229.6	231.6
77.5°	192.8	198.1	213.5	212.9	210.2	204.2	183.4	170.0	148.6	136.6	137.9
80°	119.8	123.2	130.5	133.9	132.5	124.5	107.8	97.7	85.0	77.6	78.3
82.5°	72.3	74.3	81.0	81.7	81.0	75.0	62.3	54.9	46.9	42.8	42.8
85°	36.8	38.2	42.2	42.2	38.2	32.1	28.8	25.4	20.8	18.7	18.7
87.5°	10.0	10.0	12.7	10.7	8.7	8.0	4.0	3.3	1.3	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)