

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: P634912

Luminaire Tested: GWS-SA3C-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14047.9 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

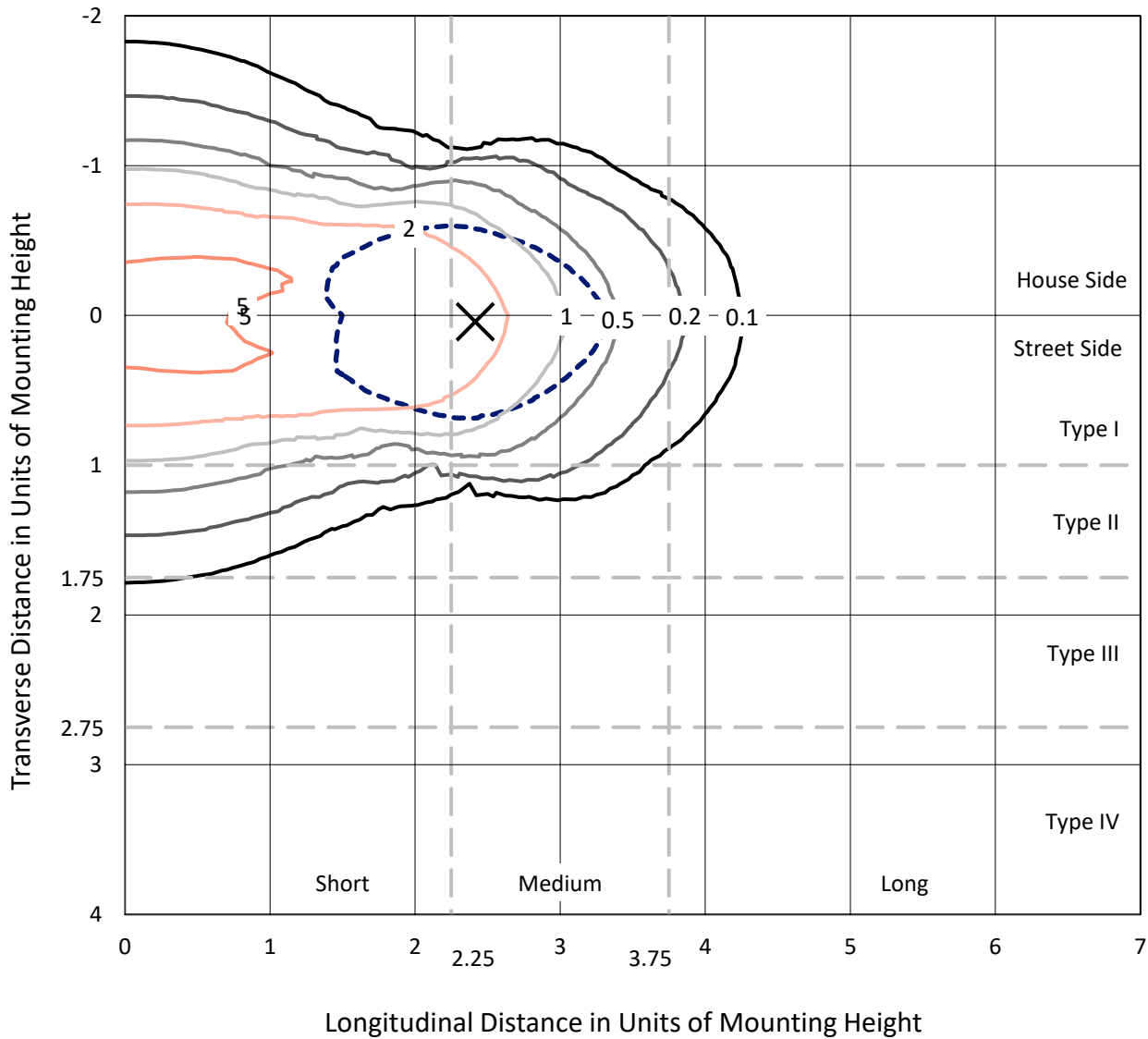
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

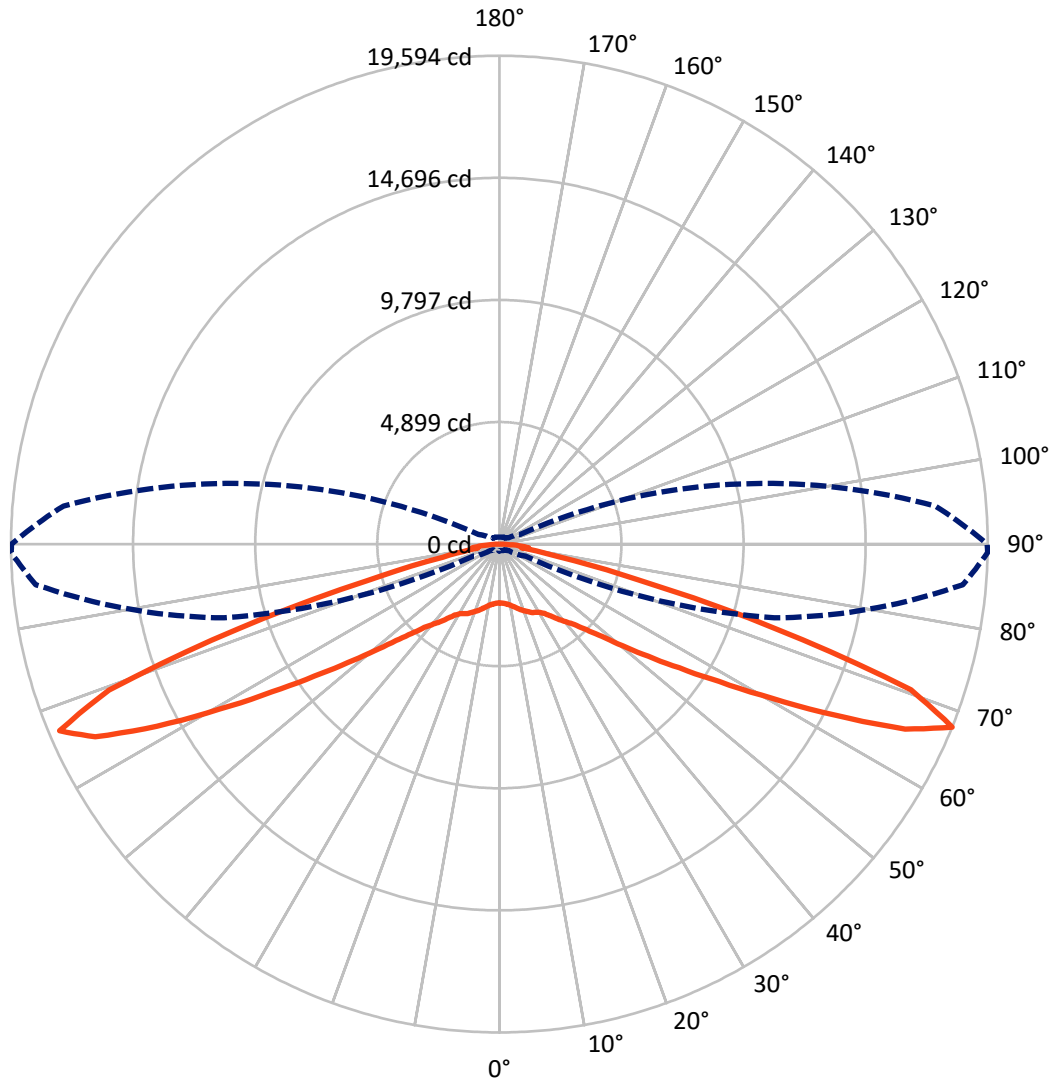
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6962.4	0.0	6962.4
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	7085.5	0.0	7085.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	14047.9	0.0	14047.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.5	1.7
10°-20°	770.1	5.5
20°-30°	1301.8	9.3
30°-40°	1786.6	12.7
40°-50°	2278.3	16.2
50°-60°	2858.5	20.3
60°-70°	3447.6	24.5
70°-80°	1247.2	8.9
80°-90°	121.3	0.9
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°	14047.9	100.0
0°-180°	14047.9	100.0

Coefficient of Utilization



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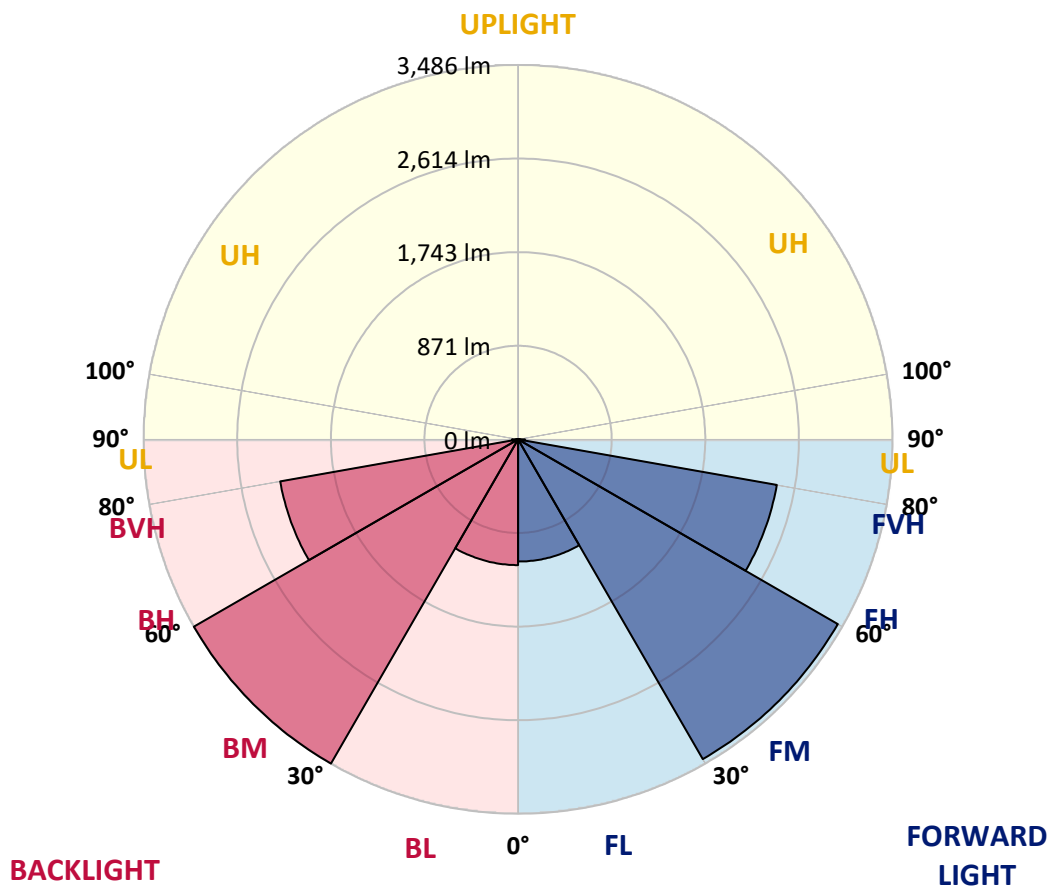
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1137.8	8.1			
FM (30°-60°)	3437.8	24.5			
FH (60°-80°)	2445.9	17.4			G2/5000
FVH (80°-90°)	64.0	0.5			G1/100
BL (0°-30°)	1170.7	8.3	B3/2500		
BM (30°-60°)	3485.6	24.8	B3/5000		
BH (60°-80°)	2248.8	16.0	B3/2500		G3/2500
BVH (80°-90°)	57.3	0.4			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 I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8
2.5°	2364.9	2362.9	2357.8	2373.0	2369.9	2370.9	2377.0	2373.0	2365.9	2353.8	2370.9
5°	2431.5	2430.5	2419.4	2428.5	2418.4	2411.3	2410.3	2400.2	2392.1	2379.0	2397.2
7.5°	2496.0	2495.0	2486.0	2502.1	2494.0	2486.0	2476.9	2456.7	2437.5	2418.4	2438.5
10°	2545.5	2544.5	2542.5	2565.7	2567.7	2570.7	2566.7	2532.4	2499.1	2475.9	2496.0
12.5°	2573.7	2576.8	2581.8	2624.2	2645.4	2665.5	2670.6	2642.3	2586.8	2553.6	2577.8
15°	2554.6	2560.6	2585.8	2662.5	2721.0	2766.4	2785.6	2762.4	2690.8	2635.3	2662.5
17.5°	2462.8	2467.8	2517.2	2634.3	2763.4	2868.3	2899.6	2885.5	2805.8	2738.2	2764.4
20°	2335.6	2346.7	2400.2	2563.6	2756.3	2939.0	3022.7	3017.7	2930.9	2827.0	2858.2
22.5°	2220.6	2233.7	2290.2	2470.8	2708.9	2957.1	3146.8	3159.9	3044.9	2915.8	2941.0
25°	2091.5	2103.6	2176.2	2360.9	2627.2	2943.0	3252.7	3312.3	3174.0	3017.7	3040.9
27.5°	1959.3	1968.4	2040.0	2236.8	2520.3	2916.8	3336.5	3479.7	3301.2	3088.3	3104.4
30°	1843.3	1855.4	1921.0	2112.7	2403.2	2864.3	3405.1	3658.3	3447.5	3168.0	3181.1
32.5°	1731.3	1741.4	1813.0	1990.6	2279.1	2783.6	3466.6	3868.2	3664.4	3316.3	3316.3
35°	1590.0	1608.2	1688.9	1873.5	2162.1	2676.6	3511.0	4112.3	3961.0	3535.2	3536.2
37.5°	1459.9	1470.0	1554.7	1741.4	2039.0	2555.6	3515.0	4365.6	4336.3	3813.7	3815.7
40°	1311.6	1324.7	1415.5	1600.1	1897.8	2428.5	3476.7	4601.6	4729.8	4100.2	4089.1
42.5°	1161.3	1180.4	1267.2	1447.8	1745.4	2273.1	3374.8	4826.6	5229.2	4432.1	4404.9
45°	1016.0	1028.1	1114.8	1285.4	1570.9	2087.4	3211.4	5042.5	5822.4	4936.6	4897.3
47.5°	852.5	857.6	947.4	1110.8	1390.3	1880.6	2977.3	5235.2	6474.2	5604.5	5536.9
50°	707.2	714.3	784.9	925.2	1169.3	1635.4	2685.7	5348.2	7304.5	6515.6	6398.5
52.5°	572.1	579.1	635.6	747.6	966.5	1356.0	2324.5	5322.0	8147.0	7646.5	7476.0
55°	462.1	467.1	505.5	593.2	760.7	1078.5	1897.8	5086.9	9082.2	9123.6	8756.3
57.5°	390.4	392.5	418.7	472.2	594.2	831.3	1464.9	4532.0	10062.9	11008.2	10404.9
60°	349.1	350.1	362.2	395.5	469.1	634.6	1073.5	3648.2	11078.9	13366.1	12538.8
62.5°	322.9	322.9	332.9	352.1	389.4	488.3	789.0	2620.1	11808.3	15931.7	15109.5
65°	297.6	297.6	304.7	320.8	341.0	398.5	592.2	1689.9	12166.5	18076.7	17894.1
67.5°	265.3	266.4	271.4	288.5	306.7	332.9	449.0	1143.1	11422.9	18669.9	19594.1
70°	235.1	236.1	243.1	254.2	269.4	287.5	351.1	788.0	8314.4	15549.3	17519.8
72.5°	201.8	205.8	210.9	223.0	232.0	245.2	286.5	510.5	4837.7	10002.4	11581.3
75°	165.5	170.5	176.6	188.7	194.7	199.8	236.1	364.2	2327.6	5068.8	5772.0
77.5°	128.1	133.2	140.2	151.3	155.4	161.4	180.6	263.3	1114.8	2246.8	2422.4
80°	85.8	87.8	93.8	106.9	114.0	118.0	133.2	179.6	484.3	902.0	893.9
82.5°	52.5	53.5	55.5	63.6	66.6	70.6	86.8	110.0	231.0	1025.1	1175.4
85°	19.2	18.2	17.2	22.2	26.2	30.3	40.4	55.5	100.9	704.2	788.0
87.5°	0.0	0.0	0.0	1.0	2.0	2.0	4.0	8.1	24.2	263.3	180.6
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°	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8
2.5°	2365.9	2354.8	2368.9	2379.0	2401.2	2409.3	2411.3	2404.2	2404.2	2392.1	2394.1
5°	2393.1	2386.1	2409.3	2426.4	2458.7	2470.8	2478.9	2473.9	2476.9	2468.8	2470.8
7.5°	2434.5	2428.5	2468.8	2502.1	2535.4	2549.5	2556.6	2552.5	2553.6	2543.5	2546.5
10°	2492.0	2494.0	2542.5	2585.8	2630.2	2644.4	2647.4	2635.3	2625.2	2607.0	2608.0
12.5°	2570.7	2580.8	2649.4	2697.8	2743.2	2763.4	2741.2	2696.8	2655.5	2624.2	2620.1
15°	2656.5	2674.6	2773.5	2835.0	2884.5	2874.4	2808.8	2708.9	2627.2	2580.8	2571.7
17.5°	2759.4	2786.6	2910.7	2984.4	3026.7	2962.2	2825.0	2675.6	2561.6	2499.1	2487.0
20°	2856.2	2899.6	3056.0	3151.8	3156.9	3011.6	2817.9	2608.0	2464.8	2388.1	2372.0
22.5°	2945.0	3000.5	3208.3	3330.4	3264.8	3033.8	2774.5	2512.2	2347.7	2257.9	2243.8
25°	3041.9	3120.6	3385.9	3499.9	3372.8	3024.7	2683.7	2393.1	2206.5	2114.7	2104.6
27.5°	3108.5	3207.3	3564.5	3673.4	3461.6	2973.3	2566.7	2263.0	2077.3	1990.6	1976.5
30°	3185.1	3311.2	3761.2	3862.1	3516.1	2897.6	2441.6	2141.9	1957.3	1863.5	1853.4
32.5°	3324.4	3482.8	4005.4	4061.9	3533.2	2803.8	2321.5	2024.9	1832.2	1738.4	1724.2
35°	3548.3	3734.0	4348.4	4284.8	3520.1	2700.9	2207.5	1887.7	1704.1	1616.3	1602.2
37.5°	3830.8	4061.9	4730.8	4485.6	3483.8	2587.9	2072.3	1772.7	1589.0	1500.3	1492.2
40°	4094.2	4378.7	5159.6	4659.2	3410.1	2448.6	1942.2	1652.6	1464.9	1371.1	1353.0
42.5°	4424.1	4802.4	5656.0	4809.5	3289.1	2282.2	1795.9	1504.3	1309.6	1224.8	1202.6
45°	4925.5	5395.7	6233.1	4953.8	3108.5	2077.3	1612.2	1323.7	1139.1	1052.3	1035.1
47.5°	5551.0	6137.2	6858.6	5039.5	2834.0	1861.4	1404.4	1133.0	948.4	850.5	842.4
50°	6429.8	7215.7	7529.5	5024.4	2527.3	1605.2	1170.3	906.0	751.6	681.0	669.9
52.5°	7500.3	8569.7	8254.9	4842.8	2201.4	1313.6	912.1	711.3	596.3	545.8	536.7
55°	8843.1	10191.0	9018.7	4453.3	1789.8	1005.9	716.3	561.0	482.3	452.0	448.0
57.5°	10505.8	12290.6	9754.2	3797.5	1345.9	767.8	551.9	463.1	425.8	407.6	406.6
60°	12700.2	14519.2	10392.8	2951.1	963.5	587.2	456.0	413.7	384.4	372.3	371.3
62.5°	15309.2	16543.1	10790.3	2009.8	724.4	468.1	401.5	375.3	358.2	351.1	350.1
65°	17990.9	17822.4	10600.6	1316.6	549.9	397.5	360.2	346.1	330.9	323.9	323.9
67.5°	19574.9	17552.0	9144.8	914.1	435.8	349.1	324.9	311.8	286.5	280.5	280.5
70°	17338.1	14222.6	5993.9	668.9	353.1	305.7	282.5	264.3	254.2	248.2	247.2
72.5°	11467.3	9254.7	3187.2	464.1	294.6	260.3	239.1	232.0	219.9	213.9	212.9
75°	5707.4	4860.9	1633.4	335.0	245.2	208.8	199.8	196.7	186.6	178.6	176.6
77.5°	2379.0	2164.1	761.7	243.1	186.6	168.5	160.4	160.4	149.3	140.2	136.2
80°	896.9	799.1	360.2	166.5	138.2	125.1	120.1	116.0	106.9	95.8	89.8
82.5°	1199.6	783.9	176.6	103.9	90.8	80.7	73.7	70.6	65.6	60.5	56.5
85°	776.9	556.9	79.7	53.5	45.4	34.3	30.3	28.2	25.2	22.2	20.2
87.5°	158.4	186.6	24.2	10.1	6.1	3.0	3.0	1.0	0.0	0.0	0.0
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)