

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: P634747

Luminaire Tested: GWS-SA3C-735-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634747
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-735-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13733.2 lumens
Efficiency: N/A
Efficacy: 147.7 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

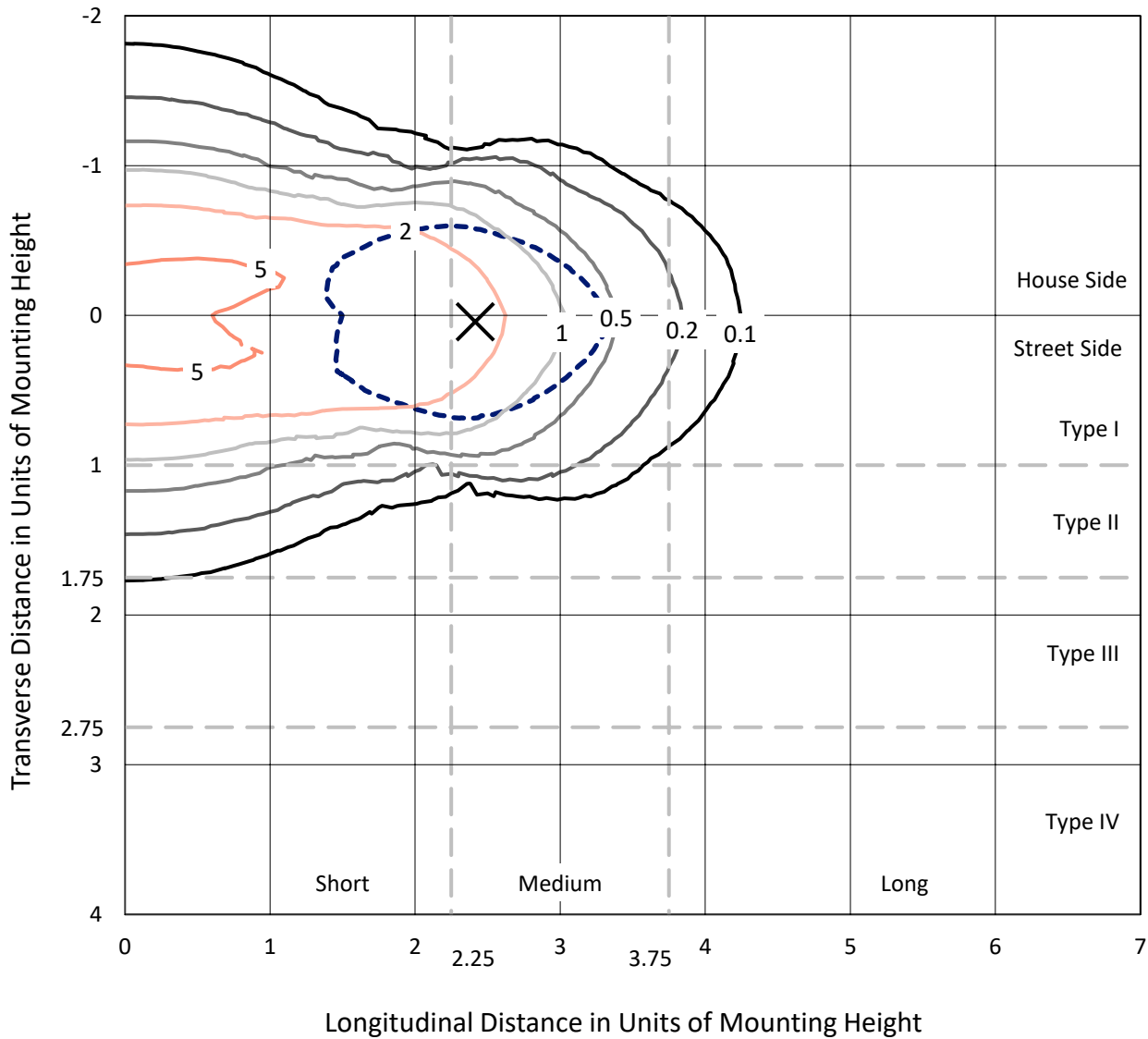
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

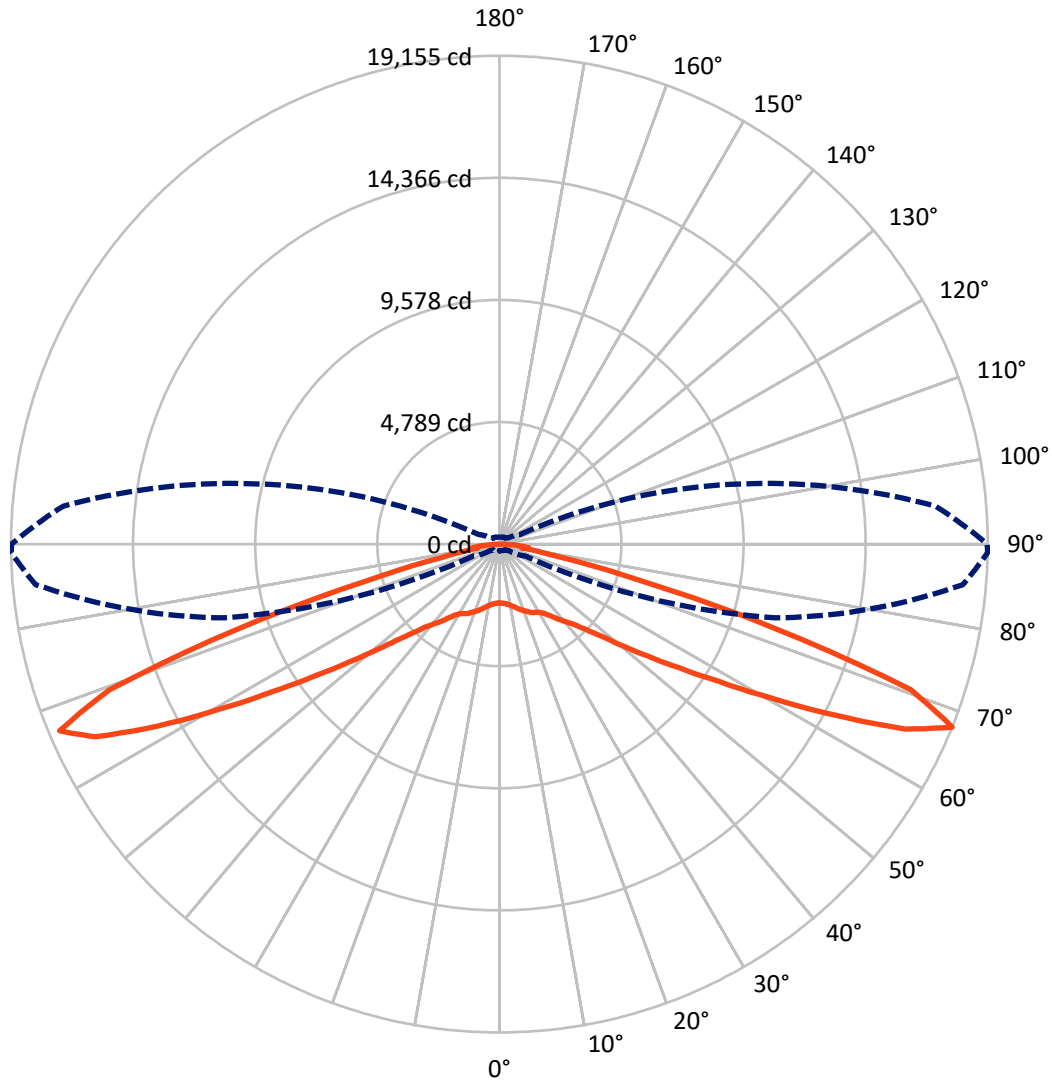
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 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	6806.4	0.0	6806.4
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	6926.8	0.0	6926.8
	% Fixture	50.4	0.0	50.4
Total	Lumens	13733.2	0.0	13733.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	1.7
10°-20°	752.9	5.5
20°-30°	1272.7	9.3
30°-40°	1746.6	12.7
40°-50°	2227.3	16.2
50°-60°	2794.4	20.3
60°-70°	3370.3	24.5
70°-80°	1219.3	8.9
80°-90°	118.6	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°	13733.2	100.0
0°-180°	13733.2	100.0

Coefficient of Utilization



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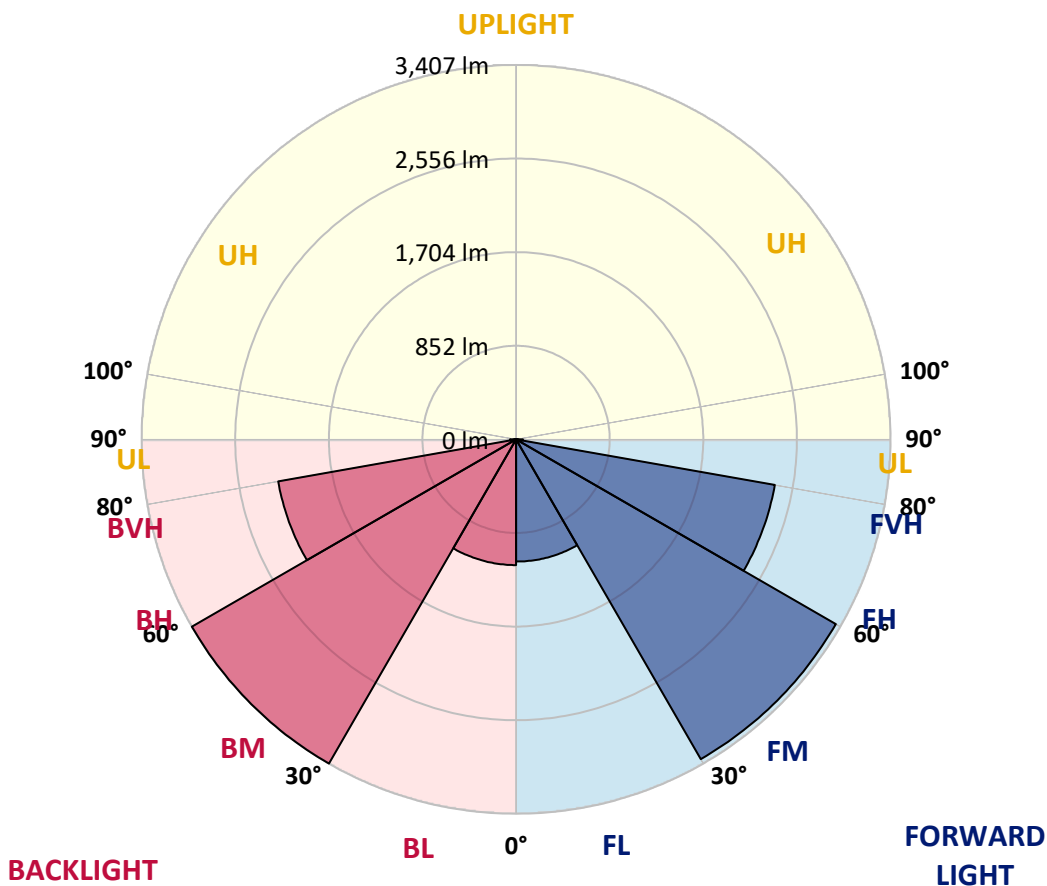
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1112.3	8.1			
FM (30°-60°)	3360.8	24.5			
FH (60°-80°)	2391.2	17.4			G2/5000
FVH (80°-90°)	62.6	0.5			G1/100
BL (0°-30°)	1144.4	8.3	B3/2500		
BM (30°-60°)	3407.5	24.8	B3/5000		
BH (60°-80°)	2198.5	16.0	B3/2500		G3/2500
BVH (80°-90°)	56.0	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°	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0
2.5°	2311.9	2309.9	2305.0	2319.8	2316.8	2317.8	2323.7	2319.8	2312.9	2301.1	2317.8
5°	2377.0	2376.0	2365.2	2374.0	2364.2	2357.3	2356.3	2346.4	2338.5	2325.7	2343.5
7.5°	2440.1	2439.1	2430.3	2446.0	2438.2	2430.3	2421.4	2401.7	2382.9	2364.2	2383.9
10°	2488.5	2487.5	2485.5	2508.2	2510.2	2513.1	2509.2	2475.6	2443.1	2420.4	2440.1
12.5°	2516.1	2519.0	2524.0	2565.4	2586.1	2605.8	2610.8	2583.1	2528.9	2496.4	2520.0
15°	2497.3	2503.3	2527.9	2602.9	2660.1	2704.5	2723.2	2700.5	2630.5	2576.2	2602.9
17.5°	2407.6	2412.5	2460.8	2575.3	2701.5	2804.1	2834.7	2820.8	2742.9	2676.8	2702.5
20°	2283.3	2294.2	2346.4	2506.2	2694.6	2873.1	2955.0	2950.1	2865.2	2763.6	2794.2
22.5°	2170.9	2183.7	2238.9	2415.5	2648.2	2890.9	3076.3	3089.1	2976.7	2850.4	2875.1
25°	2044.6	2056.5	2127.5	2308.0	2568.4	2877.1	3179.9	3238.1	3102.9	2950.1	2972.7
27.5°	1915.4	1924.3	1994.3	2186.6	2463.8	2851.4	3261.7	3401.8	3227.2	3019.1	3034.9
30°	1802.0	1813.8	1877.9	2065.3	2349.4	2800.1	3328.8	3576.4	3370.2	3097.0	3109.8
32.5°	1692.5	1702.4	1772.4	1946.0	2228.1	2721.2	3389.0	3781.5	3582.3	3242.0	3242.0
35°	1554.4	1572.2	1651.1	1831.6	2113.7	2616.7	3432.4	4020.2	3872.3	3456.0	3457.0
37.5°	1427.2	1437.1	1519.9	1702.4	1993.3	2498.3	3436.3	4267.8	4239.2	3728.3	3730.2
40°	1282.2	1295.0	1383.8	1564.3	1855.2	2374.0	3398.8	4498.6	4623.8	4008.4	3997.5
42.5°	1135.2	1154.0	1238.8	1415.4	1706.3	2222.2	3299.2	4718.5	5112.0	4332.9	4306.2
45°	993.2	1005.1	1089.9	1256.6	1535.7	2040.7	3139.4	4929.6	5692.0	4826.0	4787.5
47.5°	833.4	838.4	926.1	1085.9	1359.1	1838.5	2910.6	5118.0	6329.2	5479.0	5412.9
50°	691.4	698.3	767.3	904.4	1143.1	1598.8	2625.6	5228.4	7140.9	6369.6	6255.2
52.5°	559.2	566.1	621.4	730.9	944.9	1325.6	2272.5	5202.8	7964.5	7475.2	7308.6
55°	451.7	456.7	494.1	580.0	743.7	1054.4	1855.2	4973.0	8878.8	8919.2	8560.2
57.5°	381.7	383.7	409.3	461.6	580.9	812.7	1432.1	4430.5	9837.5	10761.6	10171.8
60°	341.3	342.2	354.1	386.6	458.6	620.4	1049.4	3566.5	10830.7	13066.6	12257.9
62.5°	315.6	315.6	325.5	344.2	380.7	477.4	771.3	2561.4	11543.8	15574.8	14771.0
65°	291.0	291.0	297.9	313.6	333.4	389.6	579.0	1652.1	11893.9	17671.7	17493.2
67.5°	259.4	260.4	265.3	282.1	299.8	325.5	438.9	1117.5	11167.0	18251.7	19155.1
70°	229.8	230.8	237.7	248.6	263.3	281.1	343.2	770.3	8128.2	15201.0	17127.3
72.5°	197.3	201.2	206.1	218.0	226.9	239.7	280.1	499.1	4729.4	9778.3	11321.9
75°	161.8	166.7	172.6	184.4	190.4	195.3	230.8	356.1	2275.4	4955.2	5642.7
77.5°	125.3	130.2	137.1	147.9	151.9	157.8	176.5	257.4	1089.9	2196.5	2368.1
80°	83.8	85.8	91.7	104.5	111.5	115.4	130.2	175.6	473.4	881.8	873.9
82.5°	51.3	52.3	54.2	62.1	65.1	69.0	84.8	107.5	225.9	1002.1	1149.1
85°	18.7	17.8	16.8	21.7	25.6	29.6	39.5	54.2	98.6	688.4	770.3
87.5°	0.0	0.0	0.0	1.0	2.0	2.0	3.9	7.9	23.7	257.4	176.5
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°	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0
2.5°	2312.9	2302.0	2315.9	2325.7	2347.4	2355.3	2357.3	2350.4	2350.4	2338.5	2340.5
5°	2339.5	2332.6	2355.3	2372.1	2403.6	2415.5	2423.4	2418.4	2421.4	2413.5	2415.5
7.5°	2380.0	2374.0	2413.5	2446.0	2478.6	2492.4	2499.3	2495.4	2496.4	2486.5	2489.4
10°	2436.2	2438.2	2485.5	2527.9	2571.3	2585.1	2588.1	2576.2	2566.4	2548.6	2549.6
12.5°	2513.1	2523.0	2590.1	2637.4	2681.8	2701.5	2679.8	2636.4	2596.0	2565.4	2561.4
15°	2597.0	2614.7	2711.4	2771.5	2819.9	2810.0	2745.9	2648.2	2568.4	2523.0	2514.1
17.5°	2697.6	2724.2	2845.5	2917.5	2958.9	2895.8	2761.7	2615.7	2504.2	2443.1	2431.3
20°	2792.2	2834.7	2987.5	3081.2	3086.2	2944.1	2754.8	2549.6	2409.6	2334.6	2318.8
22.5°	2879.0	2933.3	3136.5	3255.8	3191.7	2965.8	2712.4	2455.9	2295.1	2207.4	2193.6
25°	2973.7	3050.7	3310.1	3421.5	3297.2	2957.0	2623.6	2339.5	2157.1	2067.3	2057.4
27.5°	3038.8	3135.5	3484.6	3591.2	3384.0	2906.7	2509.2	2212.3	2030.8	1946.0	1932.2
30°	3113.8	3237.1	3677.0	3775.6	3437.3	2832.7	2386.9	2093.9	1913.4	1821.7	1811.9
32.5°	3249.9	3404.7	3915.7	3970.9	3454.1	2741.0	2269.5	1979.5	1791.1	1699.4	1685.6
35°	3468.9	3650.3	4251.0	4188.9	3441.2	2640.4	2158.0	1845.4	1665.9	1580.1	1566.3
37.5°	3745.0	3970.9	4624.8	4385.1	3405.7	2529.9	2025.9	1732.9	1553.4	1466.6	1458.8
40°	4002.4	4280.6	5044.0	4554.8	3333.7	2393.8	1898.6	1615.6	1432.1	1340.4	1322.6
42.5°	4325.0	4694.8	5529.3	4701.7	3215.4	2231.0	1755.6	1470.6	1280.2	1197.4	1175.7
45°	4815.2	5274.8	6093.4	4842.8	3038.8	2030.8	1576.1	1294.0	1113.5	1028.7	1012.0
47.5°	5426.7	5999.7	6704.9	4926.6	2770.5	1819.7	1372.9	1107.6	927.1	831.5	823.6
50°	6285.8	7054.1	7360.8	4911.8	2470.7	1569.2	1144.1	885.7	734.8	665.8	654.9
52.5°	7332.2	8377.7	8070.0	4734.3	2152.1	1284.2	891.6	695.3	582.9	533.6	524.7
55°	8645.0	9962.7	8816.6	4353.6	1749.7	983.4	700.3	548.4	471.5	441.9	437.9
57.5°	10270.4	12015.2	9535.6	3712.5	1315.7	750.6	539.5	452.7	416.2	398.5	397.5
60°	12415.7	14194.0	10160.0	2885.0	941.9	574.0	445.8	404.4	375.8	363.9	363.0
62.5°	14966.3	16172.5	10548.6	1964.7	708.2	457.6	392.6	366.9	350.1	343.2	342.2
65°	17587.9	17423.2	10363.2	1287.1	537.5	388.6	352.1	338.3	323.5	316.6	316.6
67.5°	19136.4	17158.8	8939.9	893.6	426.1	341.3	317.6	304.8	280.1	274.2	274.2
70°	16949.7	13904.0	5859.7	653.9	345.2	298.9	276.2	258.4	248.6	242.6	241.6
72.5°	11210.4	9047.4	3115.8	453.7	288.0	254.5	233.8	226.9	215.0	209.1	208.1
75°	5579.6	4752.0	1596.8	327.5	239.7	204.2	195.3	192.3	182.5	174.6	172.6
77.5°	2325.7	2115.6	744.7	237.7	182.5	164.7	156.8	156.8	146.0	137.1	133.2
80°	876.8	781.2	352.1	162.7	135.1	122.3	117.4	113.4	104.5	93.7	87.8
82.5°	1172.7	766.4	172.6	101.6	88.8	78.9	72.0	69.0	64.1	59.2	55.2
85°	759.5	544.4	77.9	52.3	44.4	33.5	29.6	27.6	24.7	21.7	19.7
87.5°	154.9	182.5	23.7	9.9	5.9	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)