

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: P634732

Luminaire Tested: GWS-SA3C-735-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13520.1 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

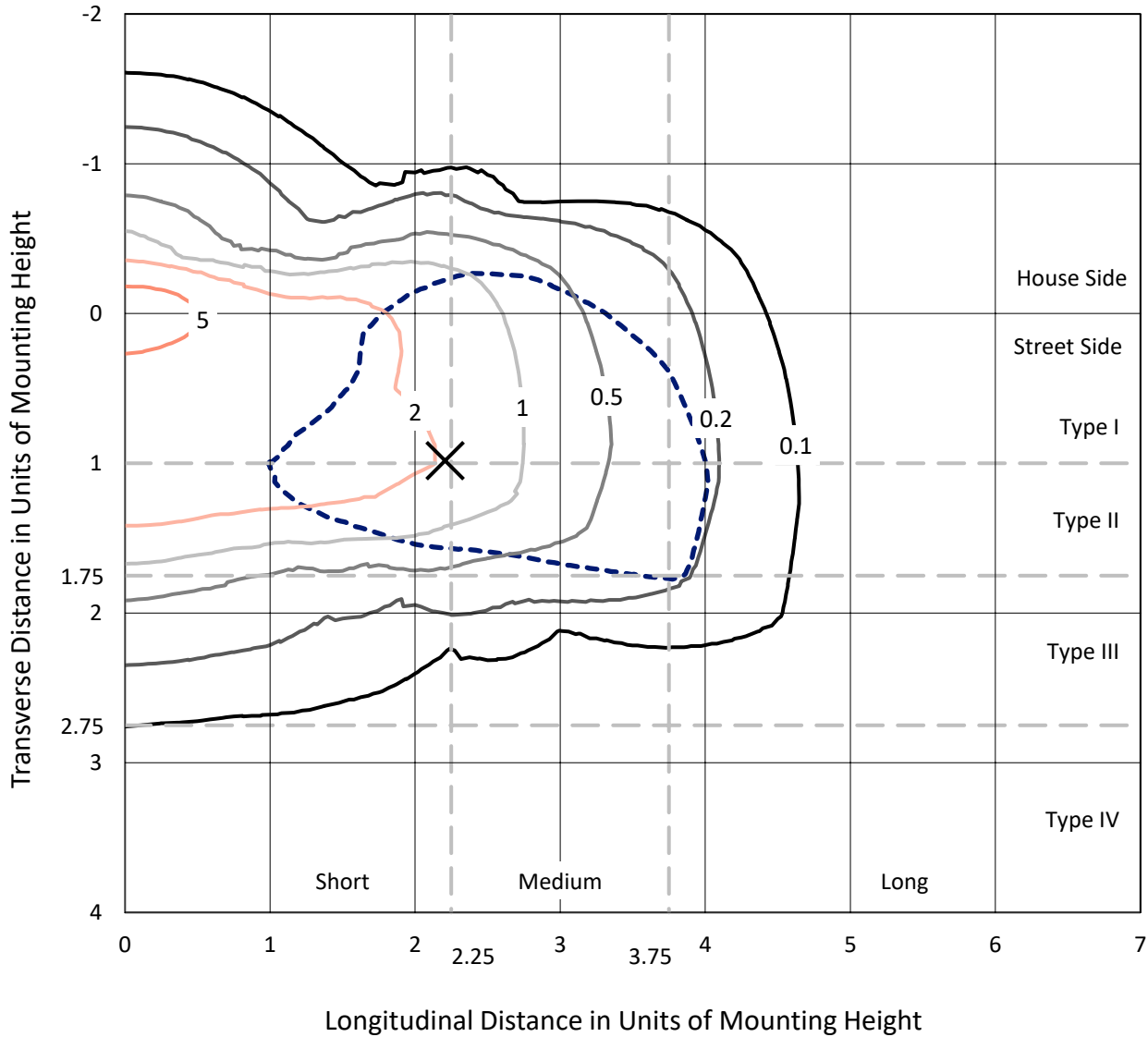
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

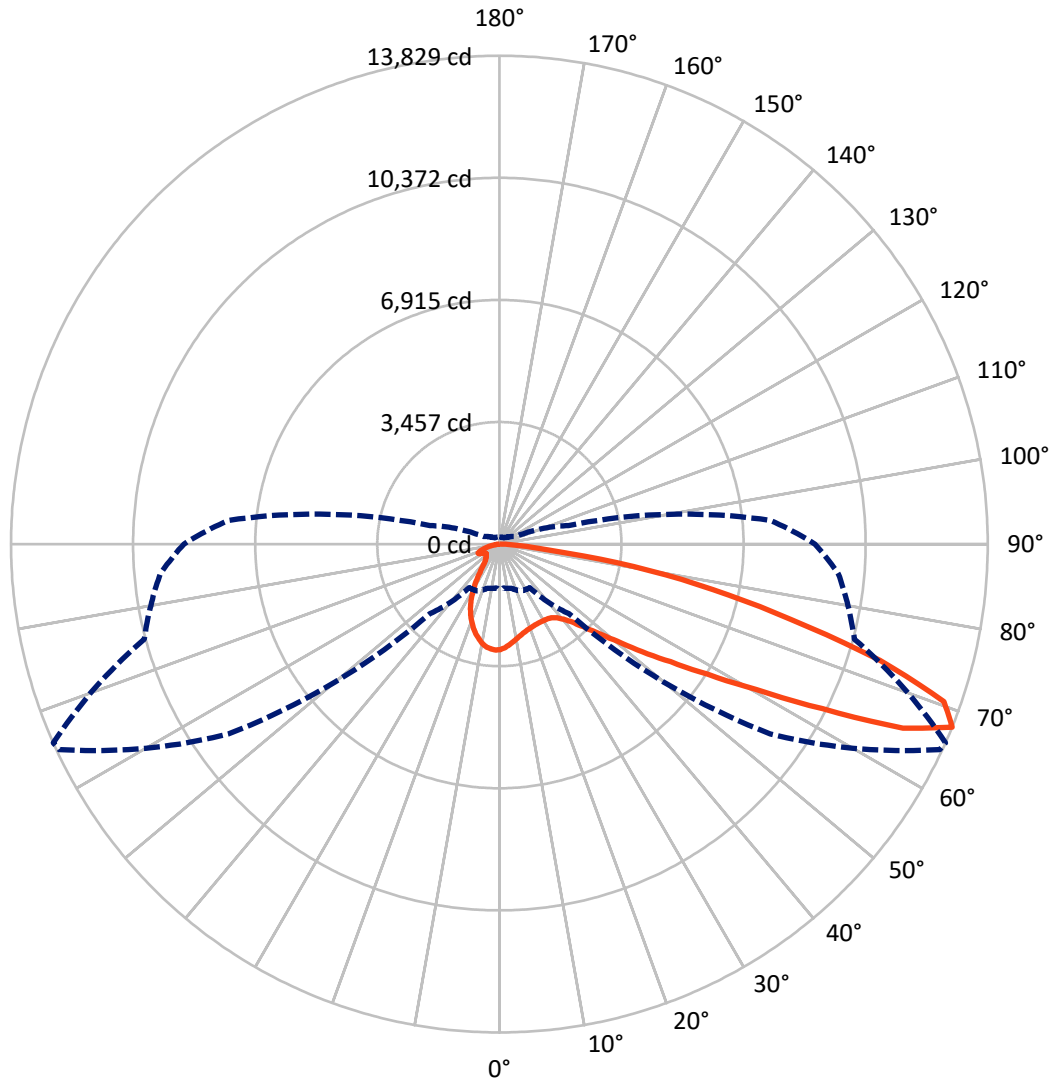
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2743.5	0.0	2743.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	10776.6	0.0	10776.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	13520.1	0.0	13520.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	1.9
10°-20°	644.4	4.8
20°-30°	885.7	6.6
30°-40°	1210.9	9.0
40°-50°	1834.9	13.6
50°-60°	2852.3	21.1
60°-70°	3472.7	25.7
70°-80°	2115.4	15.6
80°-90°	241.6	1.8
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°	13520.1	100.0
0°-180°	13520.1	100.0

Coefficient of Utilization



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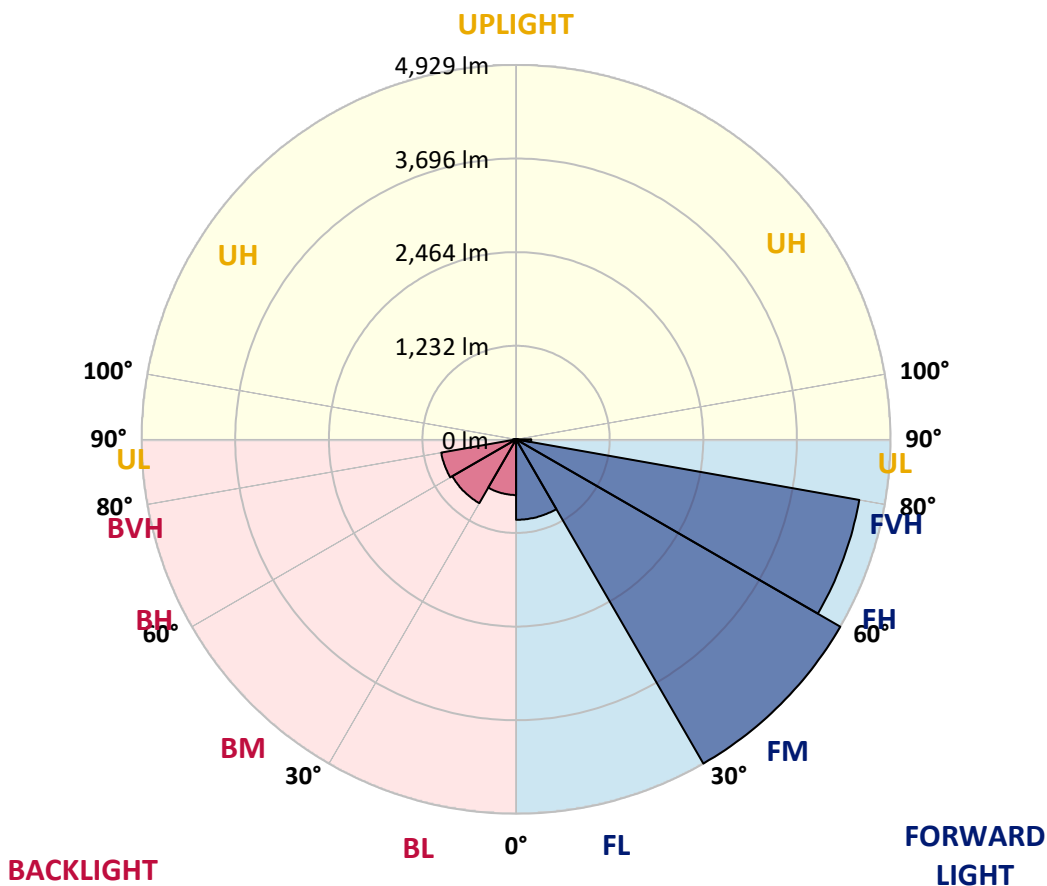
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1059.4	7.8			
FM (30°-60°)	4928.6	36.5			
FH (60°-80°)	4587.7	33.9			G2/5000
FVH (80°-90°)	200.9	1.5			G2/225
BL (0°-30°)	732.9	5.4	B2/1000		
BM (30°-60°)	969.5	7.2	B1/1000		
BH (60°-80°)	1000.3	7.4	B3/2500		G3/2500
BVH (80°-90°)	40.7	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6
2.5°	2798.2	2808.0	2802.1	2839.6	2841.6	2888.9	2915.6	2938.2	2940.2	2969.8	2989.5
5°	2606.8	2612.8	2612.8	2648.3	2671.9	2735.1	2796.2	2861.3	2866.2	2937.3	2991.5
7.5°	2452.0	2457.9	2454.0	2501.3	2531.9	2601.9	2679.8	2779.4	2789.3	2903.7	2998.4
10°	2330.7	2328.7	2338.6	2382.0	2421.4	2505.2	2592.0	2705.5	2720.3	2865.3	3006.3
12.5°	2247.8	2249.8	2255.7	2301.1	2343.5	2426.3	2516.1	2639.4	2655.2	2820.9	3002.4
15°	2208.4	2204.4	2209.4	2250.8	2291.2	2364.2	2456.9	2584.2	2599.9	2781.4	3003.3
17.5°	2199.5	2196.5	2195.5	2225.1	2255.7	2323.8	2412.5	2541.7	2558.5	2755.8	3009.3
20°	2227.1	2223.2	2212.3	2225.1	2238.0	2295.2	2381.0	2511.2	2529.9	2739.0	3021.1
22.5°	2303.1	2296.1	2279.4	2263.6	2246.8	2281.4	2361.2	2488.5	2507.2	2728.2	3032.9
25°	2418.5	2412.5	2394.8	2359.3	2298.1	2292.2	2357.3	2478.6	2497.4	2720.3	3037.9
27.5°	2577.2	2568.4	2550.6	2499.3	2399.7	2332.6	2372.1	2477.6	2495.4	2711.4	3032.9
30°	2765.6	2759.7	2749.9	2687.7	2554.6	2418.5	2405.6	2485.5	2499.3	2706.5	3023.1
32.5°	2957.0	2951.1	2959.0	2929.4	2765.6	2560.5	2478.6	2507.2	2517.1	2705.5	3014.2
35°	3125.6	3132.5	3189.8	3194.7	3033.9	2752.8	2594.0	2557.5	2559.5	2725.2	3018.1
37.5°	3302.2	3328.8	3403.8	3467.9	3333.8	3007.3	2765.6	2652.2	2650.2	2775.5	3042.8
40°	3536.0	3547.8	3643.5	3763.8	3680.0	3356.4	3009.3	2807.1	2793.3	2878.1	3108.9
42.5°	3763.8	3792.4	3945.3	4083.4	4055.7	3750.0	3316.0	3038.8	3014.2	3059.6	3245.0
45°	4053.8	4081.4	4253.0	4430.5	4480.8	4194.8	3708.6	3368.3	3343.6	3332.8	3494.5
47.5°	4343.7	4372.3	4526.2	4782.7	4959.2	4751.1	4219.5	3803.2	3762.8	3720.4	3871.3
50°	4539.0	4572.6	4719.5	5027.3	5441.5	5445.5	4825.1	4373.3	4322.0	4255.0	4401.9
52.5°	4532.1	4553.8	4693.9	5049.0	5788.7	6243.4	5635.8	5099.3	5057.8	4911.9	5040.1
55°	4176.1	4208.6	4349.7	4793.5	5826.2	6999.9	6827.3	5955.4	5881.4	5620.0	5761.1
57.5°	3461.0	3488.6	3630.6	4178.0	5493.8	7387.5	8340.3	7046.3	6944.7	6391.3	6554.1
60°	2612.8	2579.2	2646.3	3125.6	4698.8	7397.4	9675.8	8525.7	8356.1	7215.9	7352.0
62.5°	1960.8	1927.3	1942.1	2077.2	3185.8	6799.7	10437.2	10549.7	10269.5	8147.0	8120.4
65°	1549.5	1530.8	1573.2	1665.9	1857.2	5178.2	10443.1	12738.3	12561.8	9226.0	8908.4
67.5°	1262.5	1250.7	1294.0	1465.7	1506.1	2782.4	9364.1	13760.1	13829.2	10407.6	9639.3
70°	1016.9	999.1	1067.2	1293.1	1400.6	1683.6	6708.0	13239.4	13350.8	11111.9	9433.1
72.5°	702.3	703.2	737.8	1047.5	1352.2	1453.8	3794.4	11024.1	11265.7	10473.7	8293.0
75°	473.4	477.4	487.2	691.4	1245.7	1410.4	2022.0	8346.2	8516.9	8656.9	6854.9
77.5°	286.0	288.0	310.7	418.2	859.1	1316.7	1370.0	6050.1	6184.2	5706.8	4249.1
80°	165.7	172.6	193.3	280.1	580.0	989.3	1060.3	3709.5	3861.4	2536.8	1350.3
82.5°	73.0	77.9	105.5	162.7	338.3	841.3	827.5	1465.7	1444.0	707.2	468.5
85°	12.8	15.8	22.7	51.3	124.3	443.8	642.1	647.0	608.6	268.3	194.3
87.5°	0.0	0.0	0.0	0.0	0.0	3.0	96.7	173.6	172.6	75.9	67.1
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°	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6	2987.6
2.5°	3002.4	2975.7	2999.4	3002.4	2997.4	2993.5	2963.9	2938.2	2935.3	2907.7	2907.7
5°	3013.2	2988.5	3000.4	2977.7	2942.2	2905.7	2842.6	2799.2	2779.4	2743.9	2743.9
7.5°	3028.0	3002.4	2988.5	2932.3	2849.5	2769.6	2668.0	2583.2	2548.6	2498.3	2496.4
10°	3041.8	3009.3	2961.9	2852.4	2720.3	2593.0	2445.1	2324.8	2242.9	2182.7	2182.7
12.5°	3040.8	2998.4	2904.7	2743.0	2560.5	2376.0	2178.8	1997.3	1888.8	1795.1	1789.2
15°	3038.8	2980.7	2831.7	2615.7	2374.1	2118.6	1850.3	1613.6	1452.8	1361.1	1353.2
17.5°	3036.9	2958.0	2749.9	2470.7	2147.2	1799.0	1445.0	1188.5	1054.4	998.2	1000.1
20°	3036.9	2932.3	2662.1	2304.0	1885.8	1416.4	1060.3	873.9	840.3	843.3	846.3
22.5°	3028.0	2900.8	2564.4	2122.6	1594.9	1041.6	782.2	719.0	736.8	764.4	768.3
25°	3007.3	2848.5	2451.0	1921.3	1248.7	758.5	638.1	626.3	658.9	693.4	703.2
27.5°	2974.7	2788.3	2323.8	1685.6	919.2	609.5	561.2	560.2	585.9	611.5	620.4
30°	2940.2	2721.3	2189.6	1423.3	665.8	530.6	511.9	511.9	524.7	540.5	538.5
32.5°	2899.8	2653.2	2045.6	1150.0	542.5	486.3	480.3	477.4	479.4	485.3	485.3
35°	2865.3	2593.0	1897.7	861.1	486.3	461.6	455.7	448.8	445.8	441.9	443.8
37.5°	2852.4	2545.7	1744.8	649.0	458.6	443.8	434.0	424.1	417.2	415.2	414.3
40°	2873.1	2526.0	1591.9	534.6	438.9	425.1	414.3	401.4	395.5	395.5	395.5
42.5°	2954.0	2540.8	1436.1	483.3	425.1	409.3	393.5	381.7	379.7	381.7	382.7
45°	3102.0	2598.0	1274.3	457.7	413.3	393.5	374.8	365.9	365.9	367.9	367.9
47.5°	3366.3	2747.9	1114.5	441.9	401.4	380.7	361.0	352.1	351.1	353.1	353.1
50°	3824.0	3018.1	970.5	431.0	392.6	370.9	351.1	339.3	336.3	335.3	335.3
52.5°	4401.0	3486.6	878.8	423.1	381.7	360.0	340.3	324.5	318.6	315.6	315.6
55°	5098.3	4111.0	878.8	417.2	367.9	347.2	324.5	308.7	299.8	295.9	295.9
57.5°	5888.3	4837.9	1030.7	412.3	357.0	332.4	307.7	292.0	282.1	276.2	276.2
60°	6692.2	5606.2	1406.5	405.4	347.2	313.6	289.0	274.2	261.4	254.5	253.5
62.5°	7525.6	6452.5	1901.6	409.3	340.3	295.9	269.3	252.5	241.6	234.7	233.8
65°	8289.0	7258.3	2334.6	439.9	341.3	280.1	246.6	231.8	222.9	214.0	213.0
67.5°	8937.0	7703.1	2030.8	502.0	362.0	261.4	223.9	209.1	201.2	195.3	194.3
70°	8483.3	7024.6	1152.0	540.5	390.6	241.6	198.2	188.4	180.5	176.6	175.6
72.5°	7254.4	5947.5	770.3	477.4	356.1	216.0	174.6	166.7	160.8	155.8	154.9
75°	5876.5	4716.6	588.8	391.6	277.2	175.6	149.9	144.0	138.1	133.2	132.2
77.5°	3476.8	2725.2	434.0	309.7	195.3	137.1	124.3	119.3	113.4	109.5	108.5
80°	1109.6	946.9	275.2	213.0	129.2	105.5	95.7	91.7	85.8	80.9	79.9
82.5°	423.1	365.9	146.0	108.5	85.8	72.0	64.1	60.2	56.2	51.3	50.3
85°	187.4	175.6	80.9	58.2	46.4	35.5	31.6	29.6	24.7	20.7	19.7
87.5°	66.1	66.1	34.5	16.8	9.9	4.9	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)