

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: P635423

Luminaire Tested: GWS-SA3D-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18049.4 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

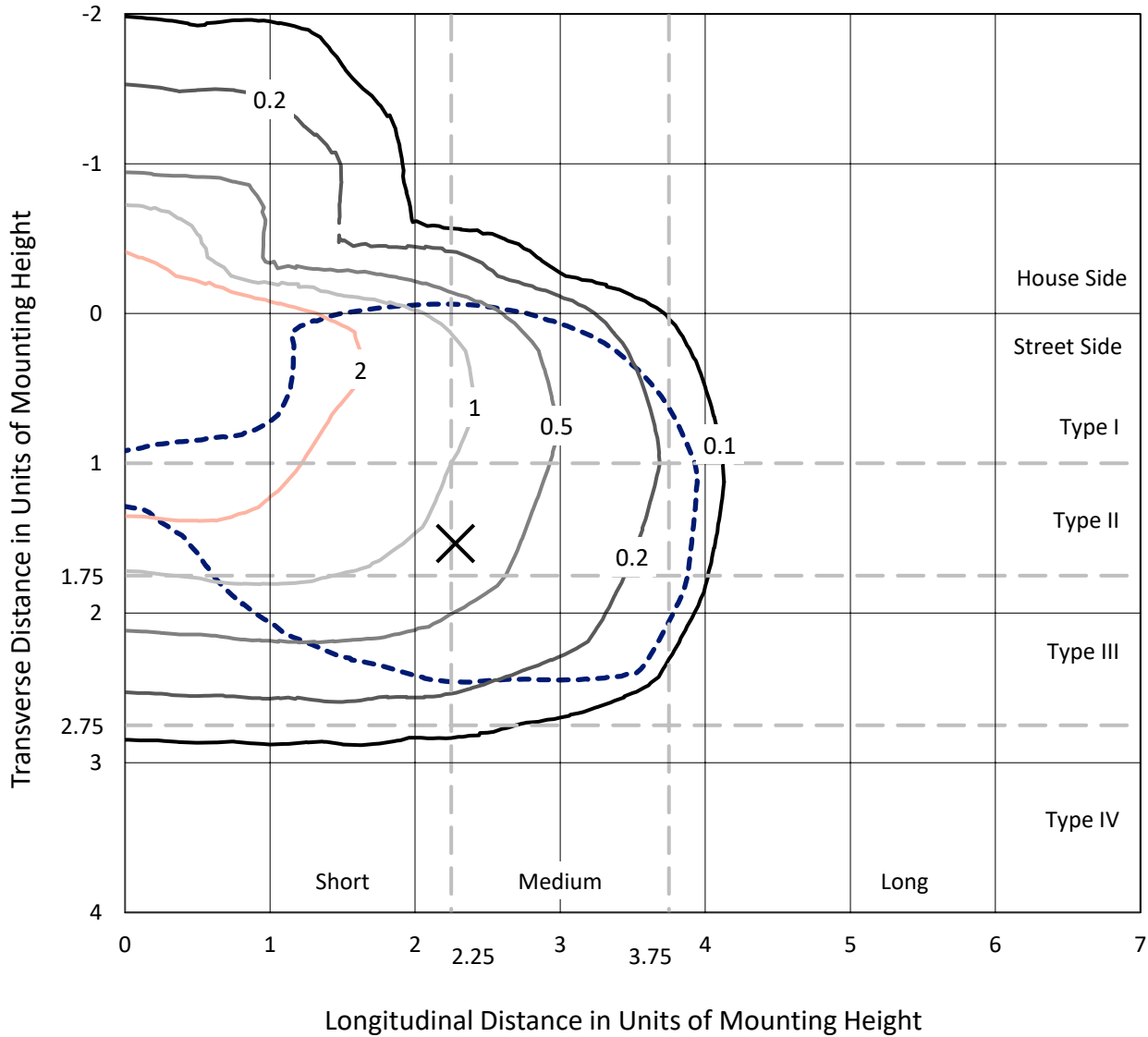
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

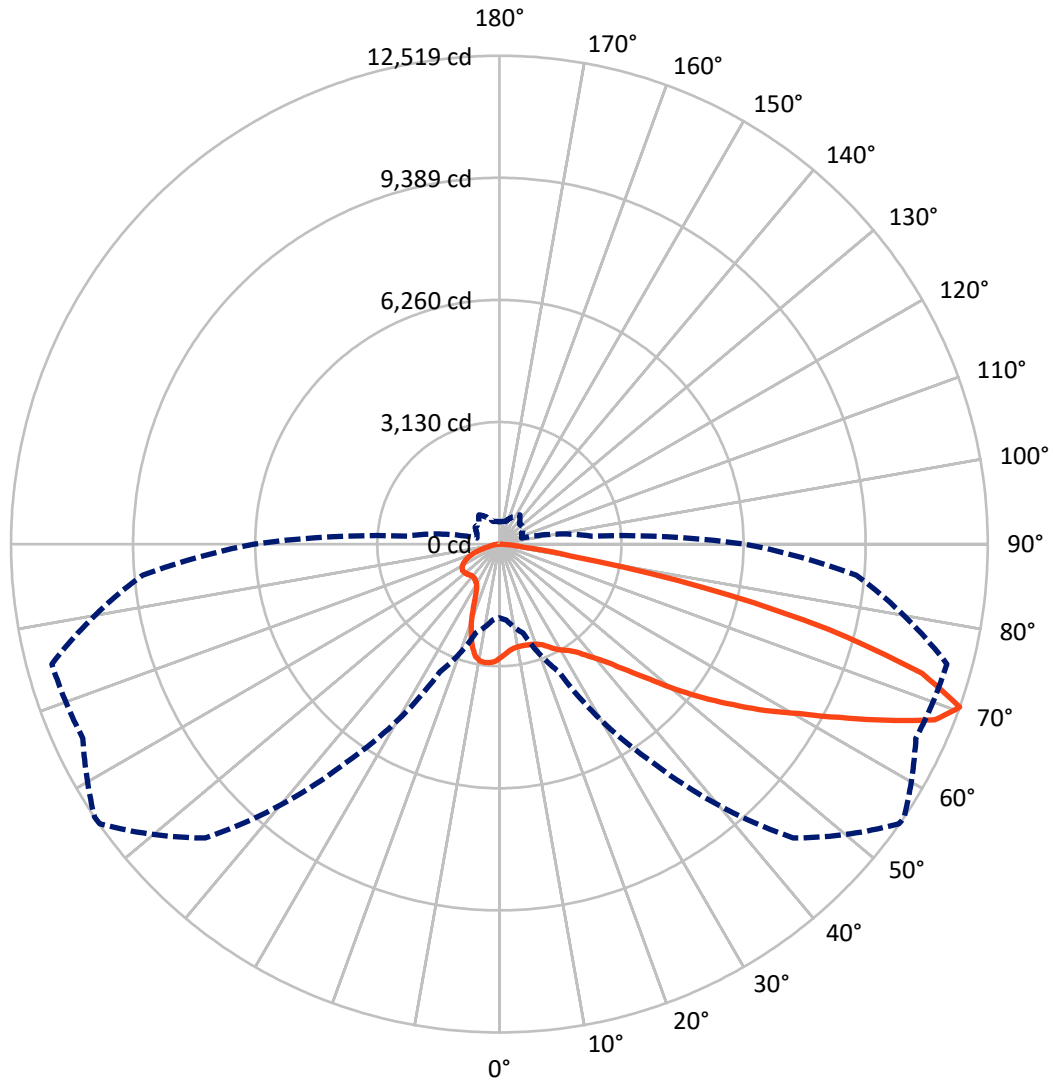
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3470.0	0.0	3470.0
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	14579.4	0.0	14579.4
	% Fixture	80.8	0.0	80.8
Total	Lumens	18049.4	0.0	18049.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.6	1.5
10°-20°	730.5	4.0
20°-30°	1207.7	6.7
30°-40°	1805.7	10.0
40°-50°	2687.2	14.9
50°-60°	3820.4	21.2
60°-70°	4731.6	26.2
70°-80°	2612.7	14.5
80°-90°	184.0	1.0
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°	18049.4	100.0
0°-180°	18049.4	100.0

Coefficient of Utilization



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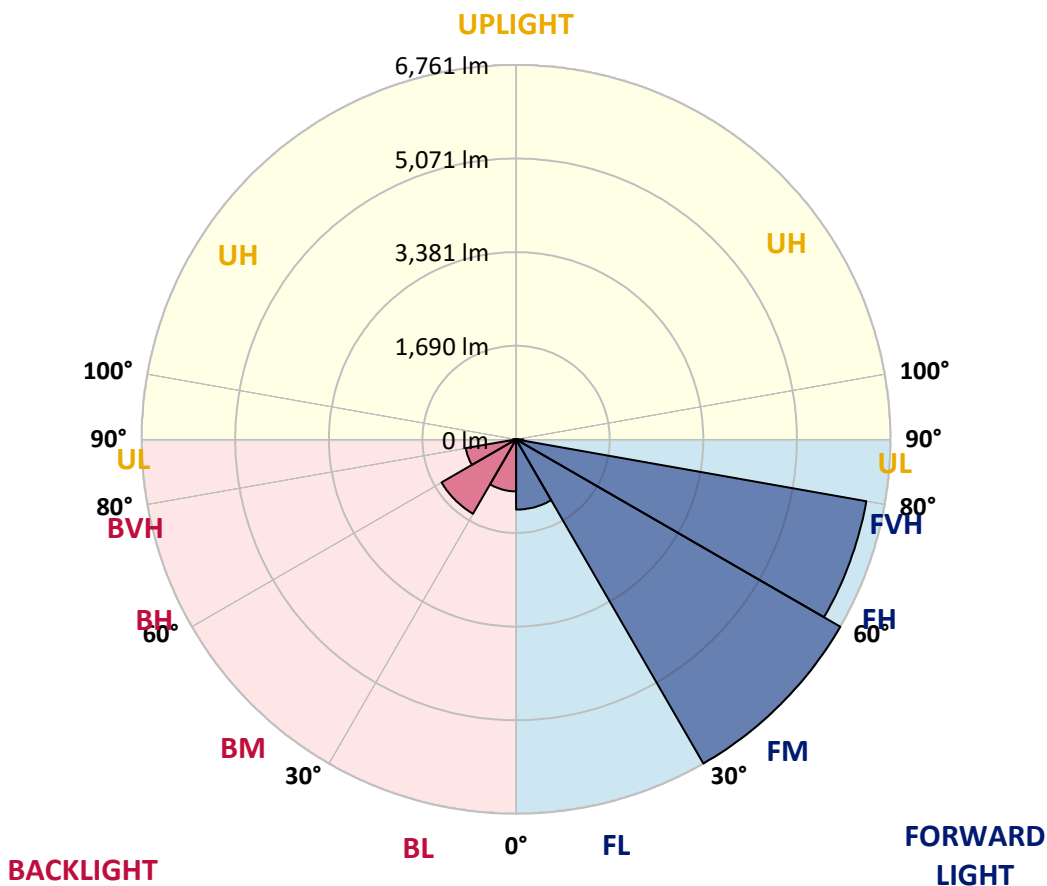
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1268.5	7.0			
FM (30°-60°)	6761.0	37.5			
FH (60°-80°)	6422.0	35.6			G3/7500
FVH (80°-90°)	127.9	0.7			G2/225
BL (0°-30°)	939.4	5.2	B2/1000		
BM (30°-60°)	1552.2	8.6	B2/2500		
BH (60°-80°)	922.3	5.1	B2/1000		G2/1000
BVH (80°-90°)	56.1	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5
2.5°	2726.3	2711.1	2728.9	2737.8	2760.7	2793.8	2823.1	2824.4	2839.6	2876.5	2912.2
5°	2602.9	2595.2	2600.3	2627.1	2651.3	2693.3	2737.8	2741.6	2784.9	2857.4	2928.7
7.5°	2507.4	2497.2	2516.3	2550.7	2581.2	2628.3	2686.9	2692.0	2753.1	2862.5	2972.0
10°	2370.0	2362.3	2398.0	2443.8	2510.0	2587.6	2665.3	2671.6	2751.8	2895.6	3048.4
12.5°	2310.1	2310.1	2325.4	2368.7	2441.2	2544.3	2661.4	2671.6	2772.2	2946.5	3146.4
15°	2403.1	2409.4	2396.7	2394.1	2423.4	2521.4	2666.5	2681.8	2810.4	2998.7	3243.1
17.5°	2590.2	2596.5	2563.4	2511.2	2482.0	2543.1	2685.6	2702.2	2851.1	3056.0	3347.5
20°	2852.4	2860.0	2787.4	2707.3	2606.7	2605.4	2722.5	2737.8	2903.3	3118.4	3458.2
22.5°	3159.1	3164.2	3072.6	2945.3	2791.3	2721.3	2786.2	2801.4	2970.7	3204.9	3577.9
25°	3514.2	3529.5	3418.8	3234.2	3025.5	2880.4	2891.8	2909.6	3091.6	3320.7	3719.1
27.5°	3893.5	3912.6	3785.3	3581.7	3294.0	3056.0	3028.0	3043.3	3220.2	3392.0	3794.2
30°	4281.7	4295.7	4168.4	3935.5	3582.9	3254.6	3142.6	3151.5	3276.2	3426.4	3870.6
32.5°	4713.2	4701.7	4579.6	4311.0	3916.4	3492.6	3249.5	3246.9	3338.6	3495.1	3980.1
35°	5117.9	5134.5	5004.7	4708.1	4283.0	3786.6	3409.8	3399.7	3470.9	3607.1	4134.1
37.5°	5608.0	5602.9	5447.6	5126.9	4650.8	4067.9	3635.1	3617.3	3642.8	3781.5	4349.2
40°	5958.0	5993.6	5893.1	5594.0	5081.0	4414.1	3898.6	3859.1	3865.5	3996.6	4636.8
42.5°	6244.4	6277.5	6287.7	6096.7	5573.6	4841.8	4227.0	4187.5	4191.3	4377.2	4990.7
45°	6464.6	6509.1	6653.0	6596.9	6128.6	5335.6	4671.2	4630.5	4633.0	4839.2	5418.3
47.5°	6554.9	6603.3	6894.8	7028.4	6717.9	5926.2	5223.6	5163.8	5172.7	5400.5	5907.1
50°	6525.7	6590.6	6985.2	7360.6	7211.7	6526.9	5884.2	5842.2	5807.8	6138.7	6437.8
52.5°	6273.7	6344.9	6976.2	7571.9	7615.2	7094.6	6566.4	6542.2	6534.6	6922.8	7031.0
55°	5531.6	5651.3	6669.5	7627.9	7930.8	7629.2	7305.9	7265.2	7304.6	7762.8	7630.5
57.5°	5120.5	5209.6	6068.7	7565.6	8189.2	8138.3	8044.1	8047.9	8092.5	8675.4	8357.2
60°	4886.3	4990.7	5735.3	7395.0	8437.4	8756.9	8816.7	8816.7	8896.9	9659.3	9095.5
62.5°	4575.7	4681.4	5423.4	7066.6	8666.5	9484.9	9787.9	9784.1	9815.9	10714.5	9817.1
65°	3945.7	4043.7	4797.2	6548.6	8778.5	10286.8	10891.4	10879.9	10816.3	11653.8	10294.4
67.5°	2865.1	2958.0	3674.6	5563.4	8375.1	10933.4	12028.0	12033.1	11652.5	12245.7	10319.9
70°	1888.8	1952.5	2362.3	3613.5	6810.8	10654.7	12504.0	12519.3	11781.1	11876.5	9184.6
72.5°	1178.6	1223.2	1475.2	2154.9	4024.6	8433.6	11282.1	11324.1	10598.6	10437.0	7546.5
75°	782.8	813.3	981.3	1256.3	1862.1	4564.3	8576.2	8711.1	8494.7	8181.6	5258.0
77.5°	470.9	496.4	624.9	798.0	824.8	1783.2	5005.9	5354.7	5385.2	4271.5	2202.0
80°	215.1	244.4	344.9	455.7	439.1	621.1	1765.4	1846.8	2179.0	1356.8	695.0
82.5°	127.3	140.0	229.1	226.6	187.1	301.7	635.1	651.7	553.7	496.4	296.6
85°	50.9	59.8	96.7	85.3	68.7	98.0	239.3	250.7	240.6	216.4	109.5
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	21.6	22.9	33.1	59.8	33.1
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°	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5	2913.5
2.5°	2935.1	2927.5	2965.6	2994.9	3007.6	3020.4	3008.9	3005.1	3005.1	2979.6	2966.9
5°	2966.9	2970.7	3022.9	3047.1	3047.1	3036.9	3006.4	2984.7	2977.1	2944.0	2935.1
7.5°	3026.7	3043.3	3091.6	3090.4	3054.7	2998.7	2922.4	2863.8	2810.4	2787.4	2773.4
10°	3124.7	3146.4	3179.5	3126.0	3026.7	2879.1	2717.4	2590.2	2513.8	2452.7	2452.7
12.5°	3236.7	3257.1	3250.7	3127.3	2922.4	2646.2	2413.2	2266.9	2160.0	2103.9	2103.9
15°	3348.8	3365.3	3296.6	3068.7	2704.7	2336.9	2082.3	1906.7	1813.7	1761.6	1761.6
17.5°	3462.0	3460.8	3315.7	2933.8	2420.9	1994.5	1745.0	1608.8	1577.0	1568.1	1566.8
20°	3571.5	3542.2	3291.5	2708.5	2091.2	1649.6	1491.7	1500.6	1547.7	1568.1	1570.6
22.5°	3695.0	3622.4	3220.2	2420.9	1717.0	1410.3	1420.5	1494.3	1563.0	1593.6	1597.4
25°	3821.0	3691.1	3100.6	2083.6	1403.9	1322.4	1401.4	1484.1	1561.7	1601.2	1605.0
27.5°	3871.9	3691.1	2896.9	1692.8	1237.2	1285.5	1372.1	1452.3	1533.7	1579.6	1588.5
30°	3913.9	3659.3	2611.8	1340.3	1168.4	1249.9	1325.0	1398.8	1479.0	1535.0	1545.2
32.5°	3972.4	3631.3	2266.9	1126.4	1136.6	1215.5	1267.7	1330.1	1402.6	1439.5	1435.7
35°	4041.2	3588.0	1850.7	1024.6	1109.9	1186.3	1223.2	1260.1	1227.0	1225.7	1229.5
37.5°	4139.2	3549.9	1487.9	978.8	1092.1	1165.9	1196.4	1117.5	1071.7	1052.6	1045.0
40°	4280.4	3534.6	1173.5	952.1	1089.5	1164.6	1143.0	1020.8	958.4	892.2	891.0
42.5°	4458.6	3523.1	969.9	939.3	1098.4	1193.9	1069.2	957.1	828.6	799.3	796.8
45°	4687.7	3505.3	868.1	936.8	1120.1	1216.8	1061.5	869.3	781.5	768.8	768.8
47.5°	4963.9	3477.3	822.2	936.8	1144.3	1206.6	1038.6	850.2	759.9	773.9	782.8
50°	5280.9	3441.7	798.0	934.2	1168.4	1206.6	990.2	846.4	754.8	827.3	856.6
52.5°	5619.4	3400.9	781.5	924.1	1185.0	1207.9	992.8	859.1	759.9	840.1	864.2
55°	5993.6	3394.6	758.6	902.4	1190.1	1174.8	999.2	887.1	767.5	761.1	762.4
57.5°	6465.8	3470.9	742.0	870.6	1169.7	1107.3	1011.9	907.5	758.6	759.9	768.8
60°	6959.7	3614.8	756.0	840.1	1127.7	1043.7	1020.8	897.3	715.3	695.0	697.5
62.5°	7379.7	3724.2	767.5	826.1	1066.6	987.7	1011.9	874.4	691.1	686.0	697.5
65°	7555.4	3633.9	739.5	796.8	977.5	919.0	992.8	845.1	670.8	651.7	652.9
67.5°	7360.6	3210.0	684.8	731.9	877.0	831.1	962.2	807.0	642.8	619.9	614.8
70°	6287.7	2358.5	590.6	628.8	754.8	728.0	915.1	757.3	598.2	581.7	570.2
72.5°	5067.0	1669.9	490.0	500.2	591.9	613.5	833.7	695.0	547.3	500.2	483.7
75°	3526.9	1048.8	408.6	398.4	427.7	468.4	650.4	576.6	472.2	422.6	407.3
77.5°	1517.2	538.4	319.5	314.4	285.1	324.6	498.9	481.1	395.8	338.6	329.7
80°	507.8	311.8	230.4	221.5	189.6	227.8	351.3	384.4	310.6	250.7	235.5
82.5°	254.6	180.7	146.4	132.4	127.3	143.8	207.5	239.3	215.1	173.1	146.4
85°	124.7	103.1	80.2	78.9	66.2	62.4	86.6	101.8	96.7	71.3	67.5
87.5°	45.8	40.7	25.5	20.4	12.7	8.9	5.1	5.1	3.8	3.8	3.8
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)