

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: P635343

Luminaire Tested: GWS-SA3D-750-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17288.4 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
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

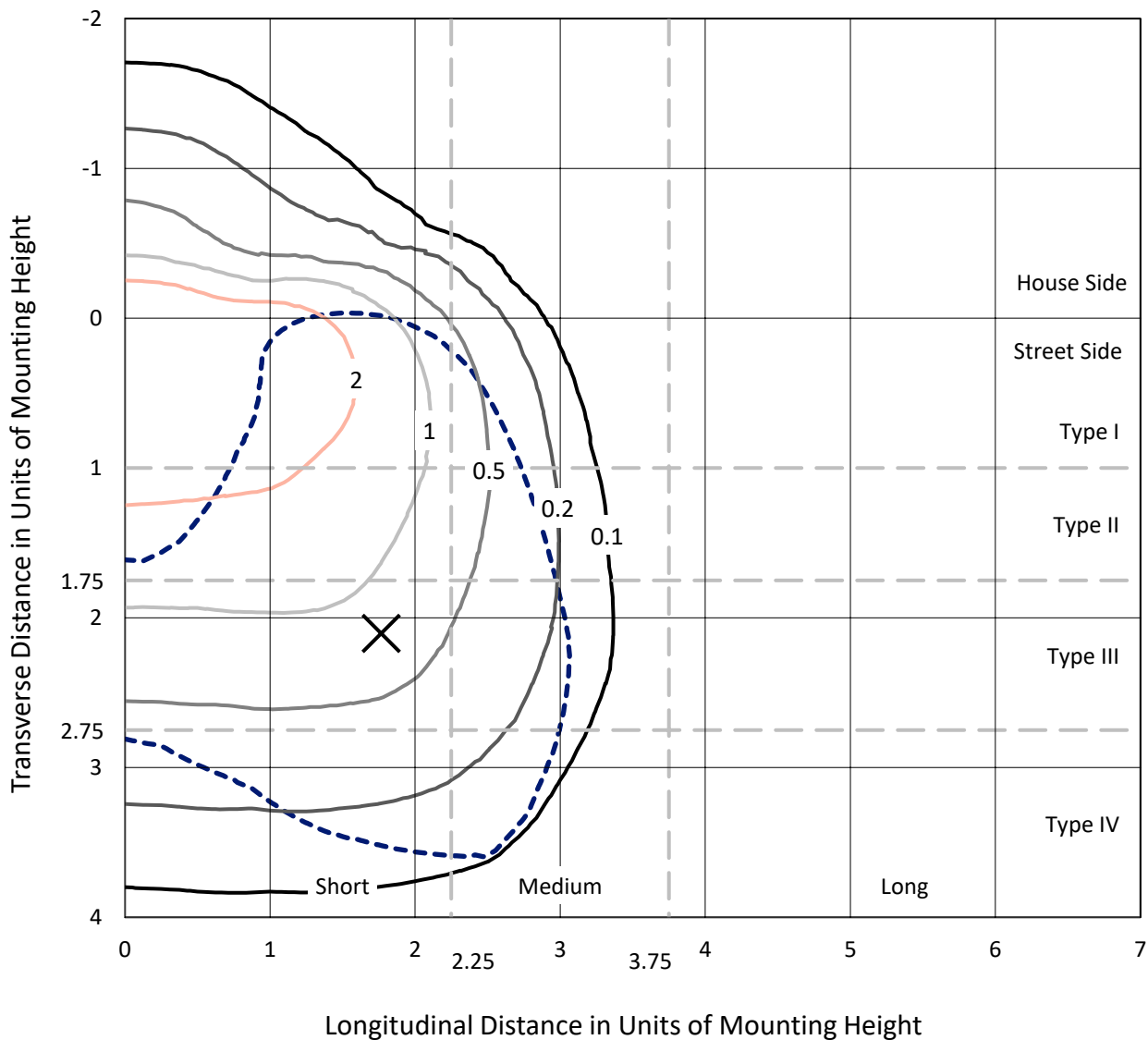


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Iso-Footcandle Lines of Horizontal Illumination

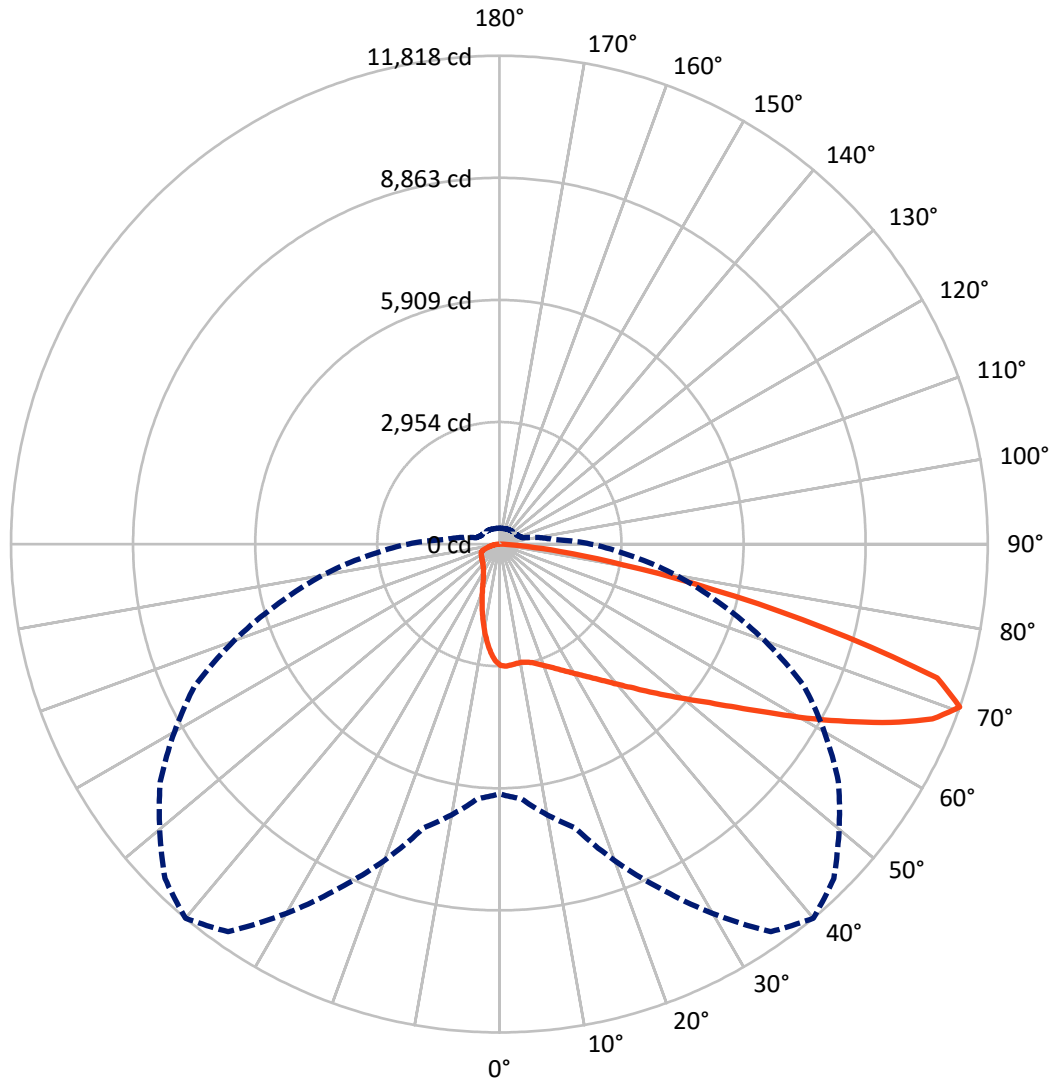
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2662.9	0.0	2662.9
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	14625.6	0.0	14625.6
	% Fixture	84.6	0.0	84.6
Total	Lumens	17288.4	0.0	17288.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	1.5
10°-20°	676.0	3.9
20°-30°	1061.5	6.1
30°-40°	1595.9	9.2
40°-50°	2463.4	14.2
50°-60°	3658.3	21.2
60°-70°	4611.3	26.7
70°-80°	2666.7	15.4
80°-90°	295.9	1.7
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°	17288.4	100.0
0°-180°	17288.4	100.0

Coefficient of Utilization



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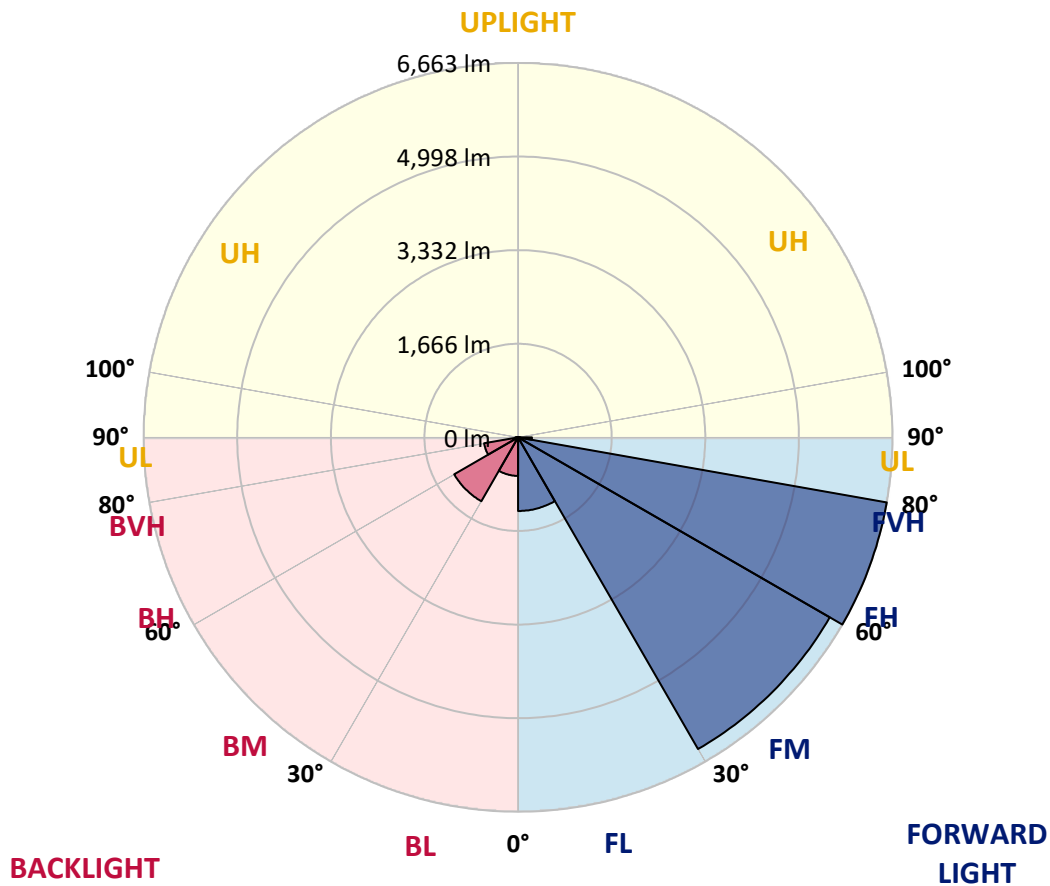
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1310.6	7.6			
FM (30°-60°)	6405.1	37.0			
FH (60°-80°)	6663.4	38.5			G3/7500
FVH (80°-90°)	246.5	1.4			G3/500
BL (0°-30°)	686.3	4.0	B2/1000		
BM (30°-60°)	1312.6	7.6	B2/2500		
BH (60°-80°)	614.6	3.6	B2/1000		G2/1000
BVH (80°-90°)	49.5	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8
2.5°	2953.8	2959.0	2962.9	2968.0	2965.4	2957.7	2964.2	2964.2	2950.0	2934.5	2920.3
5°	2957.7	2964.2	2962.9	2961.6	2951.3	2938.3	2938.3	2930.6	2906.1	2881.6	2858.3
7.5°	2950.0	2948.7	2947.4	2943.5	2931.9	2917.7	2915.1	2899.6	2867.4	2833.8	2800.3
10°	2915.1	2913.8	2917.7	2926.7	2924.2	2911.3	2911.3	2897.1	2859.6	2818.3	2774.5
12.5°	2886.7	2886.7	2902.2	2926.7	2935.8	2930.6	2931.9	2921.6	2879.0	2830.0	2778.3
15°	2890.6	2891.9	2925.4	2965.4	2982.2	2978.4	2979.6	2968.0	2920.3	2871.2	2801.6
17.5°	2916.4	2922.9	2980.9	3036.4	3058.4	3053.2	3044.2	3024.8	2970.6	2915.1	2830.0
20°	2970.6	2980.9	3055.8	3125.5	3151.3	3139.7	3124.2	3085.5	3026.1	2965.4	2860.9
22.5°	3077.7	3084.2	3166.8	3235.2	3255.8	3241.6	3210.6	3155.1	3086.8	3023.5	2898.3
25°	3228.7	3236.4	3315.2	3378.4	3373.2	3356.5	3313.9	3245.5	3164.2	3097.1	2952.5
27.5°	3408.1	3421.0	3498.4	3548.7	3515.2	3490.7	3442.9	3360.3	3268.7	3208.1	3035.1
30°	3604.2	3609.4	3675.2	3725.5	3673.9	3640.4	3582.3	3493.2	3410.7	3365.5	3159.0
32.5°	3793.9	3799.1	3855.9	3884.2	3830.0	3805.5	3755.2	3661.0	3602.9	3578.4	3343.6
35°	3993.9	3992.6	4039.1	4063.6	4008.1	3997.8	3946.2	3873.9	3863.6	3895.9	3613.3
37.5°	4194.0	4182.3	4206.9	4239.1	4208.2	4218.5	4184.9	4160.4	4200.4	4284.3	3972.0
40°	4354.0	4354.0	4379.8	4419.8	4430.1	4475.3	4455.9	4488.2	4617.2	4817.2	4415.9
42.5°	4495.9	4497.2	4551.4	4613.4	4688.2	4757.9	4773.4	4857.2	5124.4	5437.9	4973.4
45°	4644.3	4645.6	4719.2	4809.5	4968.2	5101.1	5132.1	5320.5	5702.5	6084.5	5578.6
47.5°	4816.0	4801.8	4903.7	5054.7	5280.5	5471.5	5551.5	5818.6	6301.3	6771.0	6149.0
50°	5009.5	4979.8	5093.4	5354.1	5632.8	5894.8	6029.0	6334.8	6943.9	7404.6	6685.8
52.5°	5227.6	5210.8	5329.5	5647.0	6072.8	6374.8	6556.8	6958.1	7568.5	8035.6	7111.7
55°	5498.6	5458.6	5630.2	6034.1	6589.0	6973.6	7189.1	7574.9	8251.1	8608.6	7436.9
57.5°	5795.4	5751.5	5981.2	6518.1	7260.1	7682.0	7951.7	8269.2	8893.8	9047.3	7627.8
60°	6115.4	6101.2	6373.5	7085.8	8060.1	8550.5	8745.4	9033.1	9452.5	9301.5	7580.1
62.5°	6408.4	6403.2	6799.4	7701.4	8908.0	9447.4	9602.2	9678.4	9855.1	9284.8	7200.7
65°	6716.8	6760.7	7296.2	8415.0	9879.7	10408.8	10473.3	10279.7	9990.6	8844.7	6423.8
67.5°	6755.5	6840.7	7608.5	9083.5	10801.0	11300.5	11248.8	10508.1	9590.6	7620.1	5035.3
70°	6041.9	6190.3	7110.4	9185.4	11450.1	11817.9	11445.0	10016.5	8138.9	5520.5	3166.8
72.5°	5048.2	5176.0	5989.0	7833.0	10612.6	11081.1	10576.5	8478.2	5751.5	3166.8	1613.1
75°	3929.4	4077.8	4827.6	6226.4	7945.3	8132.4	7879.5	5912.8	3161.6	1305.9	733.0
77.5°	2397.7	2504.8	3088.0	4218.5	5559.2	5279.2	4474.0	3315.2	1387.2	625.9	452.9
80°	1060.7	1126.6	1521.4	2266.0	3211.9	3036.4	2393.8	1415.6	758.8	397.5	316.2
82.5°	569.1	611.7	749.8	896.9	1410.5	1475.0	1196.2	815.6	407.8	227.1	180.7
85°	250.3	274.9	340.7	325.2	463.3	455.5	459.4	560.1	194.9	104.5	117.4
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	14.2	74.8	19.4	31.0	27.1
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°	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8	2935.8
2.5°	2904.8	2881.6	2875.1	2867.4	2853.2	2828.7	2810.6	2789.9	2780.9	2770.6	2771.9
5°	2832.5	2804.1	2777.0	2742.2	2698.3	2649.3	2615.7	2577.0	2556.4	2537.0	2542.2
7.5°	2770.6	2726.7	2671.2	2597.7	2519.0	2431.2	2360.2	2304.7	2267.3	2241.5	2254.4
10°	2731.9	2680.3	2583.5	2463.5	2330.5	2196.3	2094.4	1998.9	1939.5	1893.1	1890.5
12.5°	2724.1	2657.0	2516.4	2342.2	2149.9	1970.5	1820.8	1691.8	1613.1	1555.0	1576.9
15°	2731.9	2646.7	2458.3	2229.9	1987.3	1744.7	1558.9	1410.5	1316.3	1263.3	1259.5
17.5°	2740.9	2636.4	2392.5	2108.6	1817.0	1539.5	1324.0	1166.6	1069.8	1016.9	1018.2
20°	2748.7	2620.9	2315.1	1975.7	1644.0	1348.5	1125.3	975.6	889.1	850.4	856.9
22.5°	2761.6	2605.4	2232.5	1833.7	1467.2	1164.0	967.8	846.5	794.9	769.1	770.4
25°	2786.1	2596.4	2147.3	1678.9	1293.0	1016.9	859.4	778.1	745.9	730.4	729.1
27.5°	2836.4	2604.1	2058.3	1529.2	1135.6	904.6	789.8	736.8	714.9	704.6	703.3
30°	2920.3	2635.1	1980.8	1376.9	1000.1	816.9	742.0	709.7	696.8	687.8	686.5
32.5°	3048.0	2693.2	1897.0	1235.0	890.4	752.3	704.6	687.8	678.8	673.6	673.6
35°	3241.6	2799.0	1814.4	1111.1	805.2	702.0	674.9	668.5	660.7	658.1	660.7
37.5°	3520.3	2968.0	1739.5	1002.7	744.6	663.3	642.6	645.2	638.8	642.6	646.5
40°	3873.9	3193.9	1676.3	913.6	699.4	634.9	614.3	623.3	619.4	623.3	629.7
42.5°	4321.7	3473.9	1628.5	844.0	667.2	611.7	592.3	601.3	598.8	603.9	610.4
45°	4821.1	3843.0	1606.6	794.9	643.9	594.9	574.2	580.7	578.1	582.0	588.4
47.5°	5299.9	4178.5	1626.0	766.5	624.6	580.7	558.8	561.3	560.1	558.8	562.6
50°	5712.8	4445.6	1681.5	757.5	611.7	566.5	545.9	547.1	543.3	535.5	538.1
52.5°	6049.6	4659.8	1715.0	757.5	605.2	551.0	531.7	533.0	525.2	514.9	516.2
55°	6271.6	4746.3	1687.9	756.2	602.6	538.1	517.5	518.8	511.0	498.1	499.4
57.5°	6334.8	4662.4	1574.3	742.0	600.1	527.8	503.3	505.9	500.7	486.5	486.5
60°	6158.0	4355.3	1366.6	709.7	593.6	521.3	493.0	496.8	494.2	480.0	480.0
62.5°	5694.7	3809.4	1118.8	660.7	575.5	513.6	483.9	491.7	498.1	490.4	489.1
65°	4827.6	3051.9	909.8	606.5	552.3	500.7	471.0	490.4	504.6	514.9	514.9
67.5°	3622.3	2184.7	742.0	549.7	517.5	474.9	454.2	472.3	482.6	489.1	493.0
70°	2208.0	1285.3	584.6	483.9	467.1	436.2	420.7	402.6	388.4	385.8	387.1
72.5°	1080.1	735.6	474.9	411.7	398.7	370.4	335.5	327.8	321.3	317.5	316.2
75°	594.9	512.3	392.3	342.0	318.7	283.9	276.2	263.3	260.7	255.5	256.8
77.5°	420.7	403.9	323.9	277.4	242.6	224.5	228.4	219.4	219.4	215.5	214.2
80°	316.2	317.5	249.1	202.6	179.4	172.9	176.8	176.8	174.2	172.9	171.6
82.5°	200.0	225.8	167.8	130.3	127.8	129.0	127.8	126.5	129.0	125.2	123.9
85°	138.1	162.6	101.9	77.4	77.4	76.1	78.7	77.4	80.0	76.1	76.1
87.5°	31.0	72.3	37.4	23.2	24.5	23.2	24.5	25.8	28.4	29.7	29.7
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)