

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: P642815

Luminaire Tested: GWS-SA6D-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30781.3 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

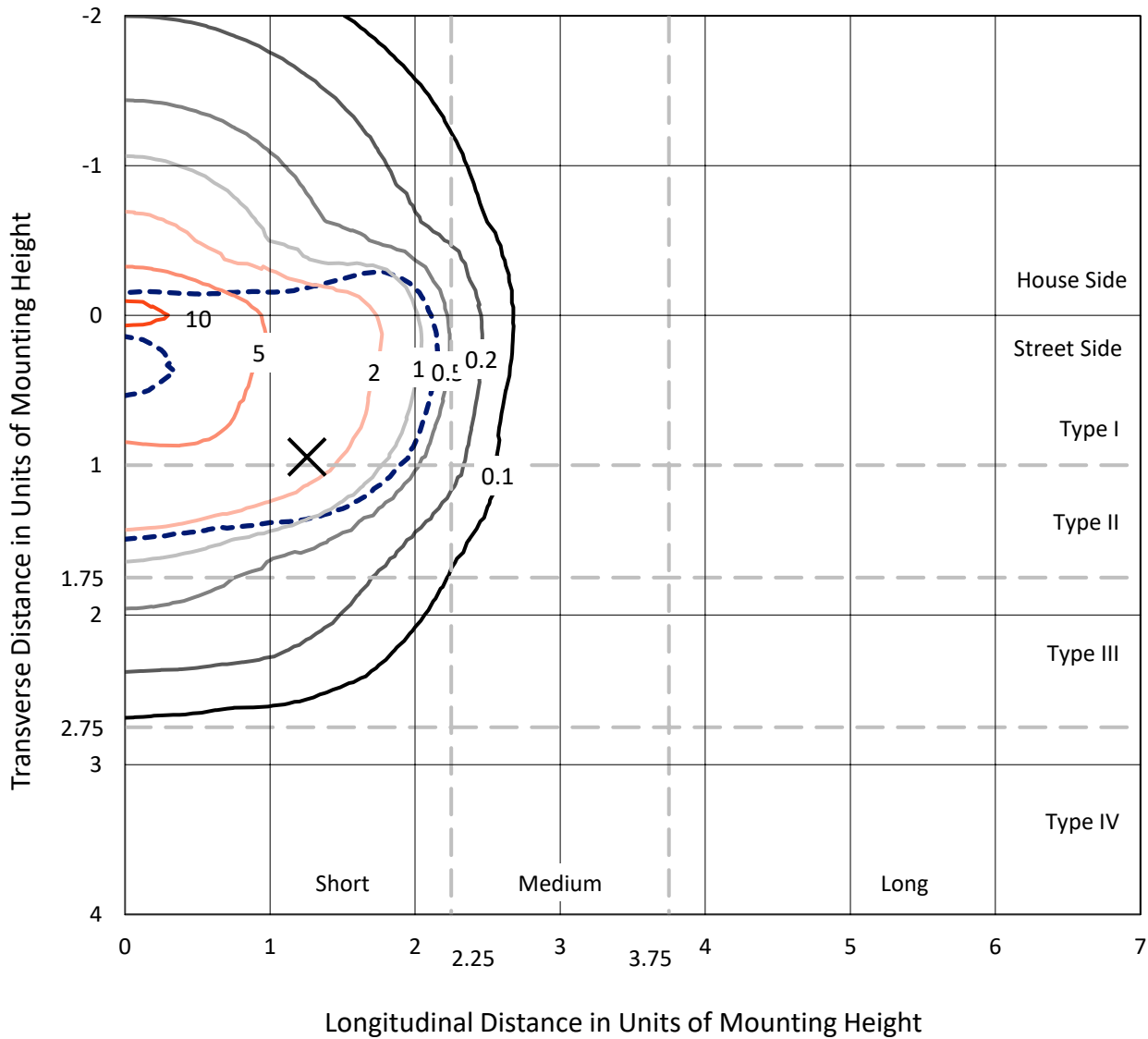
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

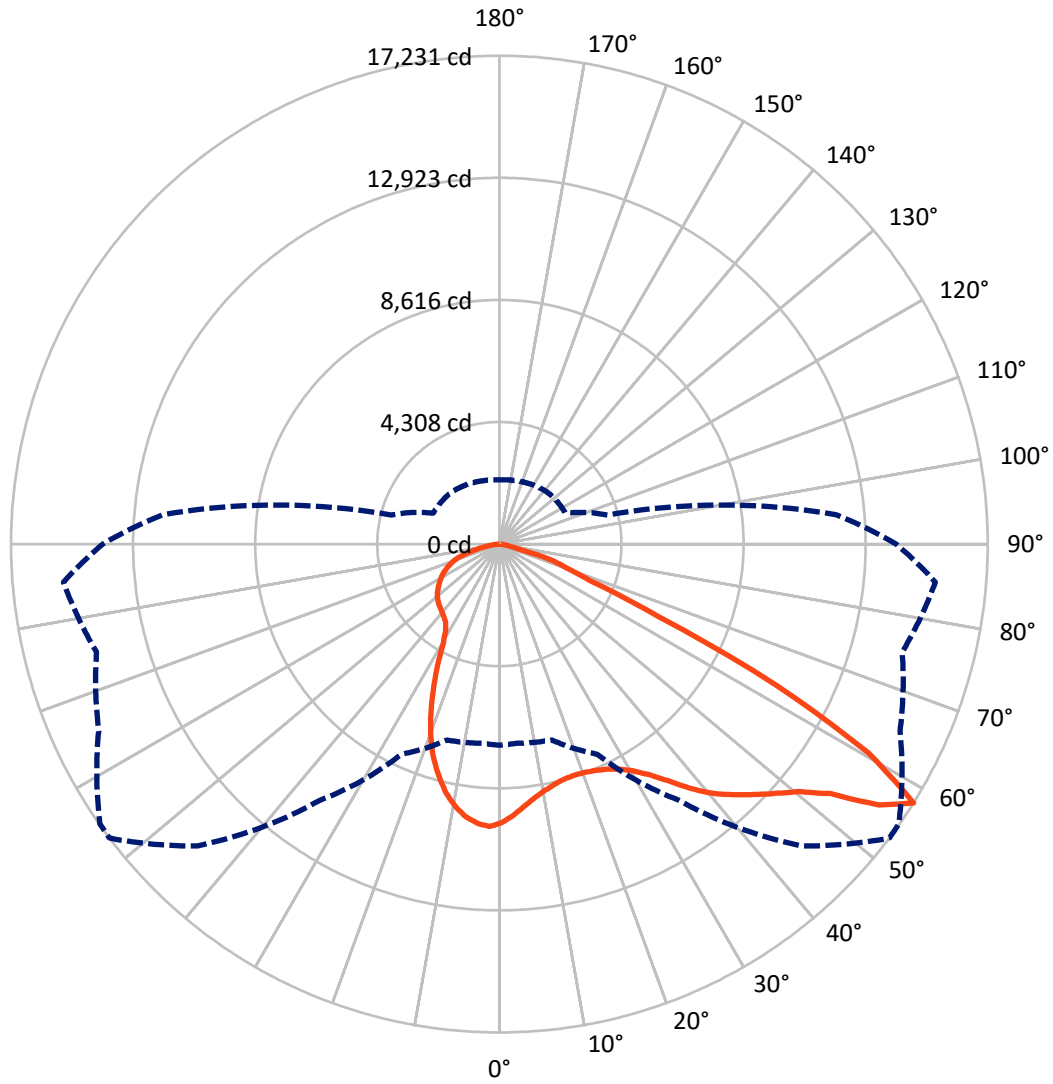
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9624.2	0.0	9624.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	21157.1	0.0	21157.1
	% Fixture	68.7	0.0	68.7
Total	Lumens	30781.3	0.0	30781.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.9	2.9
10°-20°	2332.0	7.6
20°-30°	3435.8	11.2
30°-40°	4809.2	15.6
40°-50°	6322.1	20.5
50°-60°	7412.7	24.1
60°-70°	4366.9	14.2
70°-80°	1086.3	3.5
80°-90°	127.5	0.4
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°	30781.3	100.0
0°-180°	30781.3	100.0

Coefficient of Utilization



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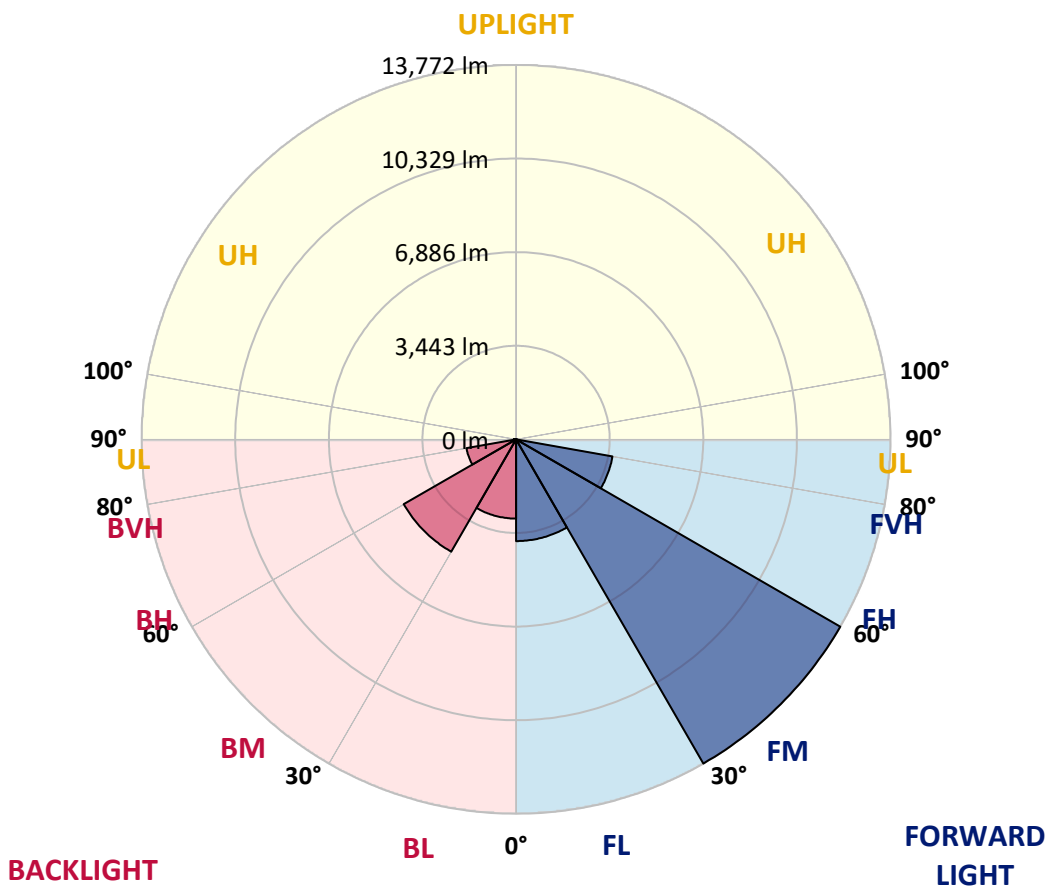
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3742.4	12.2			
FM (30°-60°)	13771.8	44.7			
FH (60°-80°)	3600.2	11.7			G2/5000
FVH (80°-90°)	42.7	0.1			G1/100
BL (0°-30°)	2914.2	9.5	B4/5000		
BM (30°-60°)	4772.2	15.5	B3/5000		
BH (60°-80°)	1853.0	6.0	B3/2500		G3/2500
BVH (80°-90°)	84.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3
2.5°	9264.5	9290.4	9295.6	9375.9	9381.1	9497.7	9575.4	9559.9	9640.2	9738.6	9816.3
5°	8821.5	8824.1	8850.0	8945.9	8997.7	9150.5	9280.1	9280.1	9435.5	9637.6	9811.2
7.5°	8456.2	8453.6	8476.9	8583.2	8668.6	8852.6	9028.8	9049.5	9267.1	9562.5	9844.8
10°	8116.8	8135.0	8160.9	8290.4	8399.2	8627.2	8837.0	8870.7	9145.3	9510.6	9891.5
12.5°	7899.2	7901.8	7940.6	8085.7	8225.6	8469.2	8689.4	8730.8	9046.9	9461.4	9925.2
15°	7759.3	7761.9	7803.3	7964.0	8127.2	8373.3	8598.7	8645.3	8989.9	9453.6	9989.9
17.5°	7697.1	7694.5	7733.4	7894.0	8072.8	8329.3	8570.2	8627.2	9015.8	9513.2	10103.9
20°	7697.1	7699.7	7720.4	7865.5	8046.9	8318.9	8598.7	8668.6	9116.8	9647.9	10280.1
22.5°	7805.9	7816.3	7826.7	7925.1	8067.6	8334.4	8673.8	8767.1	9334.5	9873.3	10510.7
25°	8018.4	8021.0	8031.3	8111.6	8176.4	8378.5	8798.2	8938.1	9673.9	10202.4	10800.8
27.5°	8303.3	8339.6	8350.0	8401.8	8401.8	8487.3	8992.5	9194.6	10132.4	10676.5	11171.3
30°	8702.3	8715.3	8733.4	8790.4	8728.2	8692.0	9277.5	9536.5	10663.5	11249.0	11616.9
32.5°	9052.1	9080.6	9179.0	9272.3	9160.9	9046.9	9697.2	10002.9	11173.9	11844.9	12091.0
35°	9350.0	9420.0	9609.1	9816.3	9738.6	9624.6	10254.2	10572.8	11593.6	12272.4	12510.7
37.5°	9710.1	9764.5	10023.6	10360.4	10430.4	10375.9	10933.0	11160.9	11873.4	12381.2	12738.7
40°	10075.4	10158.3	10492.5	10958.9	11225.7	11264.6	11559.9	11712.8	11969.3	12168.7	12694.7
42.5°	10448.5	10591.0	11049.5	11593.6	12067.7	12155.8	12088.4	12153.2	11938.2	11876.0	12490.0
45°	10904.5	11072.9	11591.0	12285.3	12909.7	13047.0	12606.6	12547.0	11933.0	11764.6	12363.1
47.5°	11443.3	11611.7	12106.6	12914.9	13712.8	13813.9	13137.7	13028.9	12114.3	11935.6	12534.0
50°	11920.0	12036.6	12479.6	13383.8	14461.6	14521.1	13723.2	13591.1	12565.1	12409.7	13067.7
52.5°	11435.6	11422.6	11888.9	13003.0	14850.2	15567.8	14624.8	14497.8	13435.6	13197.3	13894.2
55°	9702.4	9554.7	9971.8	11067.7	13764.6	16497.9	16241.4	15987.5	14596.3	13990.0	14668.8
57.5°	7093.5	7052.0	7153.1	8181.6	11026.2	15057.4	17231.1	17207.8	15598.9	14715.5	15440.9
60°	5546.8	5484.6	5215.2	5243.7	7515.8	11762.0	14953.8	15640.4	16220.7	15150.7	15979.7
62.5°	4925.0	4878.4	4738.5	4352.5	4476.8	7886.2	10961.5	11591.0	14174.0	13381.2	13725.8
65°	4077.8	4064.9	4181.5	4165.9	3751.4	4355.0	6186.7	6821.4	8912.2	9023.6	8912.2
67.5°	2963.8	2940.5	3235.8	3818.8	3611.5	3287.7	3448.3	3668.5	4570.1	4103.7	3694.4
70°	1927.5	1893.8	2064.8	2759.1	3233.3	2865.4	2484.5	2448.3	2513.0	1562.2	1689.2
72.5°	1292.8	1253.9	1251.3	1518.2	1953.4	1930.1	1924.9	1906.8	1702.1	1233.2	1367.9
75°	720.2	689.1	681.4	655.5	699.5	712.5	759.1	785.0	849.8	935.3	1036.3
77.5°	121.8	119.2	150.3	191.7	264.3	339.4	419.7	443.0	546.6	647.7	712.5
80°	67.4	70.0	90.7	111.4	147.7	202.1	259.1	274.6	336.8	391.2	443.0
82.5°	36.3	36.3	46.6	59.6	80.3	106.2	139.9	152.9	194.3	228.0	264.3
85°	13.0	13.0	18.1	23.3	33.7	44.0	54.4	62.2	85.5	116.6	132.1
87.5°	0.0	0.0	0.0	0.0	2.6	5.2	10.4	10.4	13.0	23.3	33.7
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°	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3	9829.3
2.5°	9881.1	9811.2	9907.0	9951.1	9966.6	9977.0	9909.6	9863.0	9847.4	9798.2	9769.7
5°	9917.4	9870.8	9961.4	9961.4	9896.7	9829.3	9692.0	9596.1	9528.8	9448.5	9435.5
7.5°	9979.6	9945.9	9995.1	9894.1	9730.9	9549.5	9311.2	9124.6	8974.4	8875.9	8878.5
10°	10062.5	10021.0	9982.2	9756.8	9458.8	9124.6	8759.3	8487.3	8238.6	8124.6	8062.4
12.5°	10116.9	10057.3	9894.1	9521.0	9083.2	8635.0	8119.4	7715.2	7355.1	7191.9	7179.0
15°	10184.2	10075.4	9749.0	9215.3	8606.5	7995.1	7331.8	6769.6	6282.6	6028.7	6015.7
17.5°	10272.3	10093.6	9575.4	8865.5	8103.9	7202.3	6368.1	5660.8	5142.6	4945.7	4979.4
20°	10396.7	10114.3	9378.5	8476.9	7479.5	6300.7	5261.8	4611.5	4412.0	4399.1	4373.2
22.5°	10536.6	10127.2	9160.9	8041.7	6723.0	5339.5	4347.3	4070.1	4067.5	4132.2	4147.8
25°	10694.6	10137.6	8914.8	7533.9	5904.3	4381.0	3844.7	3761.8	3826.5	3948.3	3963.8
27.5°	10896.7	10158.3	8616.8	6976.9	5033.8	3785.1	3567.5	3546.7	3624.5	3738.5	3733.3
30°	11194.6	10233.5	8300.8	6337.0	4140.0	3502.7	3399.1	3401.7	3432.7	3487.1	3494.9
32.5°	11497.7	10350.0	7992.5	5616.7	3627.0	3342.1	3295.4	3290.3	3290.3	3313.6	3318.7
35°	11785.3	10482.2	7658.3	4865.4	3378.3	3248.8	3217.7	3202.2	3194.4	3189.2	3181.4
37.5°	11945.9	10546.9	7331.8	4124.5	3246.2	3186.6	3155.5	3134.8	3106.3	3085.6	3080.4
40°	11876.0	10471.8	6953.6	3570.1	3165.9	3127.0	3090.8	3062.3	3023.4	3005.3	2994.9
42.5°	11642.8	10238.6	6541.6	3308.4	3101.1	3062.3	3018.2	2971.6	2945.7	2930.1	2927.5
45°	11396.7	9956.2	6044.2	3155.5	3038.9	2992.3	2940.5	2888.7	2860.2	2852.4	2849.8
47.5°	11388.9	9816.3	5515.7	3033.8	2963.8	2917.2	2852.4	2800.6	2769.5	2759.1	2748.8
50°	11730.9	9958.8	4919.8	2927.5	2886.1	2836.9	2764.3	2707.3	2668.5	2655.5	2652.9
52.5°	12440.8	10495.1	4386.1	2821.3	2782.5	2725.5	2665.9	2608.9	2562.3	2538.9	2536.3
55°	13207.6	11176.5	4054.5	2712.5	2660.7	2611.5	2557.1	2494.9	2443.1	2406.8	2401.6
57.5°	14000.4	11920.0	3953.5	2575.2	2536.3	2502.7	2437.9	2370.5	2310.9	2277.3	2269.5
60°	14653.3	12559.9	4142.6	2430.1	2409.4	2365.4	2305.8	2241.0	2199.5	2173.6	2168.5
62.5°	12267.2	10225.7	3344.7	2272.1	2272.1	2225.5	2158.1	2111.5	2083.0	2064.8	2059.6
65°	7785.2	6331.8	2282.4	2114.1	2111.5	2049.3	1992.3	1961.2	1948.2	1919.7	1914.6
67.5°	3391.3	2893.9	1950.8	1953.4	1943.1	1875.7	1818.7	1795.4	1769.5	1738.4	1735.8
70°	1759.1	1792.8	1746.2	1774.7	1756.5	1676.2	1621.8	1585.5	1531.1	1500.0	1502.6
72.5°	1419.7	1456.0	1507.8	1551.9	1513.0	1448.2	1362.7	1318.7	1248.7	1215.1	1217.7
75°	1082.9	1121.8	1171.0	1217.7	1186.6	1106.2	1051.8	1007.8	927.5	888.6	896.4
77.5°	746.1	766.9	826.4	823.9	813.5	790.2	709.9	658.1	575.1	528.5	533.7
80°	463.7	476.7	505.2	518.1	513.0	481.9	417.1	378.2	329.0	300.5	303.1
82.5°	279.8	287.6	313.5	316.1	313.5	290.2	240.9	212.4	181.4	165.8	165.8
85°	142.5	147.7	163.2	163.2	147.7	124.4	111.4	98.4	80.3	72.5	72.5
87.5°	38.9	38.9	49.2	41.5	33.7	31.1	15.5	13.0	5.2	2.6	2.6
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)