

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: P643276

Luminaire Tested: GWS-SA6E-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45430.9 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

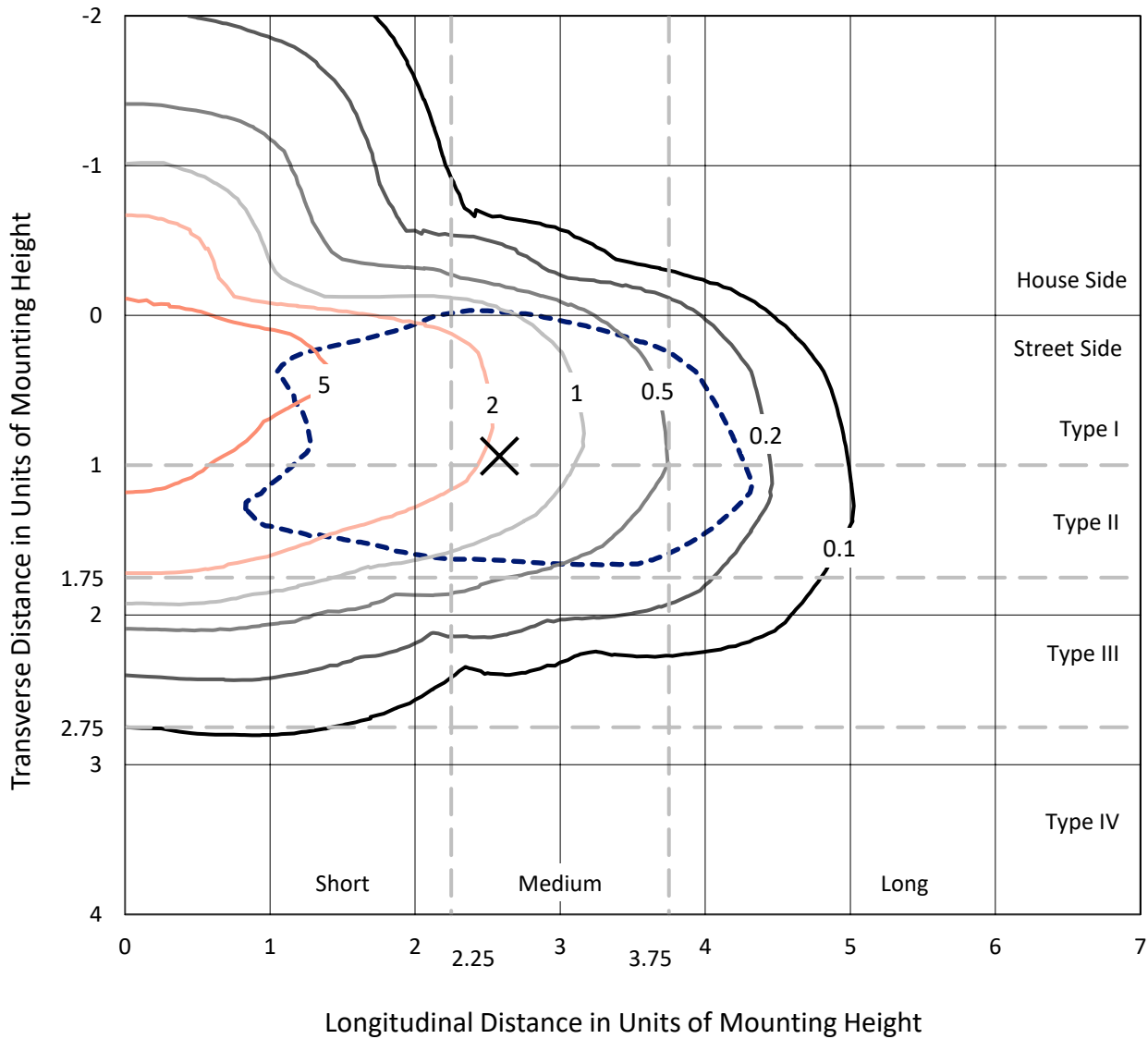
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

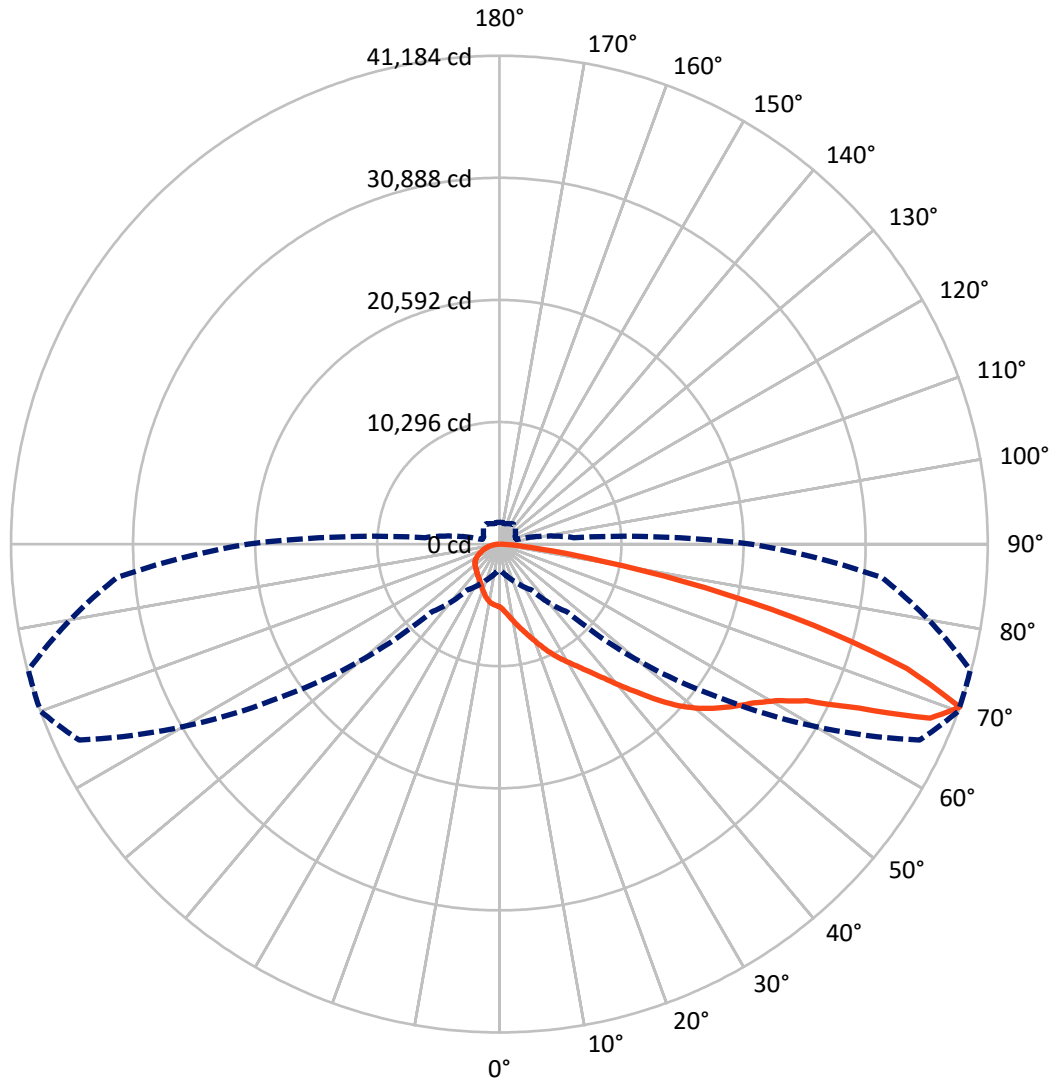
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Medium - N/A

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CATALOG NUMBER: GWS-SA6E-750-U-T2-W

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8141.3	0.0	8141.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	37289.6	0.0	37289.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	45430.9	0.0	45430.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.5	1.2
10°-20°	1751.7	3.9
20°-30°	3103.3	6.8
30°-40°	4670.5	10.3
40°-50°	7065.9	15.6
50°-60°	10122.3	22.3
60°-70°	11189.1	24.6
70°-80°	6314.3	13.9
80°-90°	675.4	1.5
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°	45430.9	100.0
0°-180°	45430.9	100.0

Coefficient of Utilization



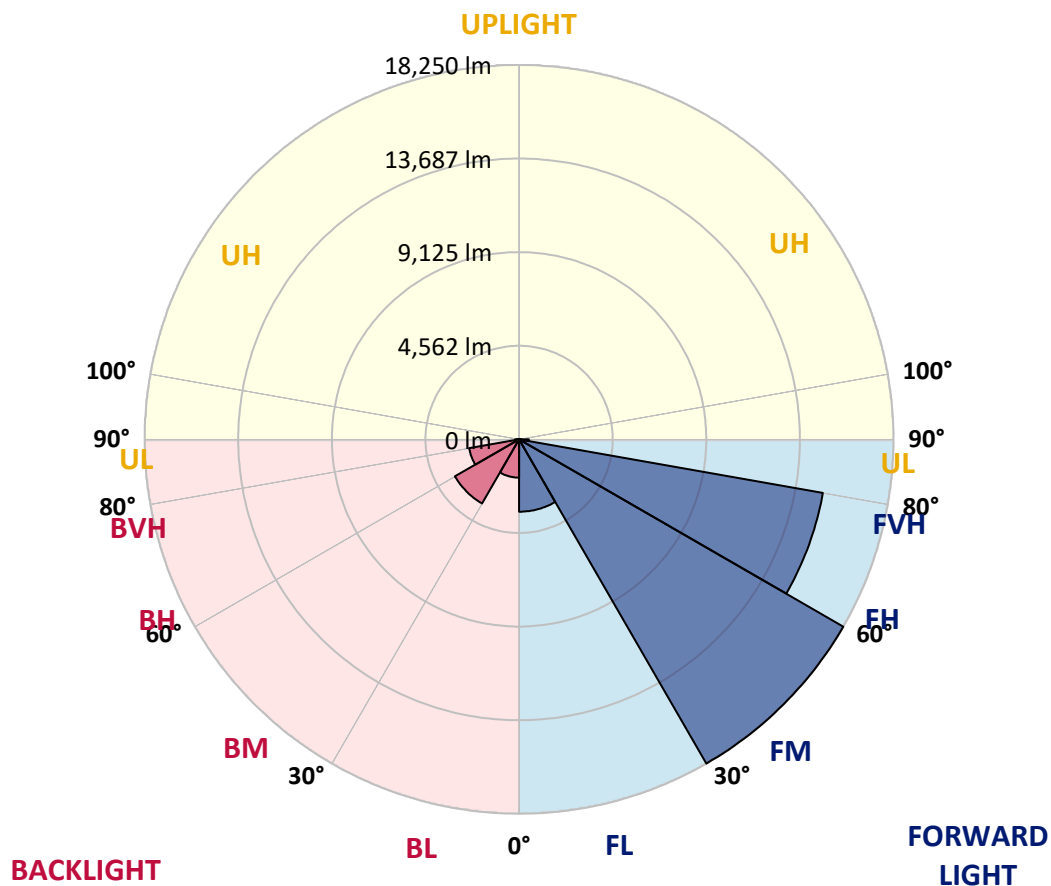
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3526.8	7.8			
FM (30°-60°)	18249.6	40.2			
FH (60°-80°)	15035.8	33.1			G5
FVH (80°-90°)	477.5	1.1			G3/500
BL (0°-30°)	1866.7	4.1	B3/2500		
BM (30°-60°)	3609.1	7.9	B3/5000		
BH (60°-80°)	2467.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	198.0	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2
2.5°	5869.4	5859.5	5866.1	5859.5	5823.4	5734.8	5662.6	5570.6	5508.3	5472.2	5386.8
5°	6558.7	6548.9	6525.9	6493.1	6427.4	6306.0	6125.4	5925.2	5803.7	5711.8	5531.3
7.5°	7054.4	7054.4	7051.1	7011.7	6965.8	6837.7	6624.4	6361.8	6184.5	6026.9	5731.5
10°	7307.2	7323.6	7346.6	7402.4	7392.5	7323.6	7123.3	6841.0	6617.8	6434.0	5994.1
12.5°	7445.0	7454.9	7494.3	7609.2	7727.3	7743.8	7625.6	7330.1	7087.2	6841.0	6286.3
15°	7622.3	7625.6	7678.1	7816.0	7989.9	8163.9	8134.4	7838.9	7589.5	7317.0	6611.2
17.5°	7760.2	7783.1	7878.3	8039.2	8255.8	8495.5	8639.9	8456.1	8147.5	7835.7	6965.8
20°	7809.4	7825.8	7950.6	8196.8	8492.2	8830.3	9152.0	9102.8	8790.9	8423.3	7366.2
22.5°	7986.7	7986.7	8078.6	8285.4	8633.3	9125.7	9647.7	9775.7	9500.0	9069.9	7796.3
25°	8377.3	8364.2	8406.8	8492.2	8754.8	9362.1	10136.8	10520.9	10212.3	9729.8	8226.3
27.5°	8912.4	8905.8	8902.5	8915.7	9004.3	9568.9	10550.4	11216.8	10908.2	10363.3	8610.4
30°	9493.4	9473.7	9516.4	9477.0	9457.3	9815.1	10901.7	11840.5	11600.9	10990.3	8928.8
32.5°	10284.5	10248.4	10238.6	10110.5	10031.8	10199.2	11184.0	12549.5	12359.1	11666.5	9286.6
35°	11328.4	11295.6	11128.2	10924.6	10691.6	10770.3	11535.2	13242.2	13255.3	12513.4	9756.0
37.5°	12382.1	12388.7	12257.4	11778.1	11538.5	11492.5	12070.3	14085.8	14368.1	13524.5	10363.3
40°	13258.6	13298.0	13298.0	12792.5	12434.6	12392.0	12822.0	15087.0	15648.4	14765.3	11131.4
42.5°	13925.0	13961.1	14076.0	13711.6	13334.1	13481.8	13734.6	16091.5	17099.3	16298.3	12103.1
45°	14657.0	14686.5	14748.9	14538.8	14318.9	14712.8	14768.6	17293.0	18760.3	18018.4	13232.3
47.5°	15628.7	15602.4	15609.0	15454.7	15284.0	15920.8	15907.7	18304.0	20365.5	19902.7	14456.8
50°	16836.7	16885.9	16840.0	16534.7	16334.4	16915.5	16991.0	19423.4	21777.0	21767.2	15691.0
52.5°	17998.7	18018.4	18261.3	18274.5	17864.1	17742.7	17939.6	20552.6	22968.6	23474.2	16876.1
55°	18057.8	18133.3	18862.1	19387.3	20050.4	19075.4	18898.2	21629.3	24120.9	25145.0	18107.1
57.5°	16800.6	16922.0	18159.6	19292.1	21136.9	21363.4	20539.5	23021.2	25273.1	26789.6	19531.7
60°	14115.4	14368.1	16048.8	17782.1	20647.8	23008.0	23897.6	24912.0	26786.4	28470.4	21261.7
62.5°	9014.1	9112.6	11469.6	14371.4	18445.2	22847.2	27554.5	28243.8	29090.8	30659.9	23927.2
65°	4513.6	4828.8	6210.8	8577.5	13301.3	20132.4	29402.6	34346.3	33309.0	34408.7	28247.1
67.5°	3062.7	3164.5	3863.7	5153.7	7799.6	14263.1	28257.0	39486.9	39181.6	39362.2	32852.7
70°	2258.5	2324.1	2875.6	3650.3	4717.2	8098.3	22495.9	39099.5	41184.0	41118.4	32370.1
72.5°	1647.9	1680.7	2097.6	2787.0	3496.0	4188.7	13737.9	31585.6	35951.5	37845.6	28309.5
75°	1198.2	1237.6	1457.5	2084.5	2718.0	2613.0	6781.9	22814.4	27416.6	31060.4	23063.8
77.5°	892.9	942.1	1043.9	1306.5	1903.9	1871.1	2931.4	14814.6	17732.8	20286.7	14010.3
80°	643.4	653.2	712.3	837.1	1208.0	1096.4	1395.1	7724.1	8856.6	9703.5	5491.9
82.5°	390.6	400.5	476.0	515.4	748.4	689.4	725.5	2501.4	3584.6	3804.6	2051.7
85°	114.9	121.5	216.7	236.4	311.9	295.4	292.2	1017.6	1214.6	1552.7	807.5
87.5°	0.0	0.0	0.0	0.0	3.3	19.7	36.1	180.5	272.5	377.5	197.0
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°	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2	5298.2
2.5°	5354.0	5278.5	5239.1	5170.2	5120.9	5071.7	5022.4	4976.5	4956.8	4927.2	4933.8
5°	5449.2	5331.0	5212.8	5078.2	4963.4	4868.2	4782.8	4707.3	4674.5	4644.9	4658.1
7.5°	5593.6	5416.4	5189.9	4943.7	4763.1	4631.8	4543.2	4490.7	4474.2	4451.3	4451.3
10°	5777.4	5511.6	5114.4	4763.1	4546.5	4441.4	4402.0	4398.7	4415.2	4418.4	4411.9
12.5°	5981.0	5603.5	5002.7	4549.7	4365.9	4333.1	4362.6	4418.4	4474.2	4503.8	4497.2
15°	6191.1	5662.6	4812.4	4346.2	4234.6	4277.3	4372.5	4484.1	4592.4	4648.2	4644.9
17.5°	6388.0	5675.7	4566.2	4149.3	4119.7	4228.0	4392.2	4566.2	4713.9	4792.7	4795.9
20°	6608.0	5652.7	4313.4	3972.0	4004.8	4182.1	4398.7	4608.8	4782.8	4861.6	4881.3
22.5°	6808.2	5573.9	4067.2	3804.6	3906.3	4126.3	4346.2	4543.2	4697.5	4773.0	4799.2
25°	6988.7	5422.9	3798.0	3663.4	3830.8	4047.5	4214.9	4352.8	4461.1	4507.1	4543.2
27.5°	7087.2	5196.4	3594.5	3551.8	3758.6	3935.9	4027.8	4070.5	4106.6	4093.5	4119.7
30°	7106.9	4914.1	3417.2	3463.2	3650.3	3781.6	3801.3	3758.6	3696.3	3594.5	3617.5
32.5°	7087.2	4589.1	3269.5	3368.0	3528.8	3607.6	3581.4	3469.8	3318.8	3161.2	3171.0
35°	7093.8	4260.9	3148.1	3262.9	3387.7	3430.4	3364.7	3210.4	3049.6	2905.1	2898.6
37.5°	7166.0	3985.1	3046.3	3161.2	3249.8	3256.4	3184.2	3023.3	2941.2	2832.9	2819.8
40°	7366.2	3781.6	2954.4	3059.4	3115.2	3111.9	3029.9	2915.0	2970.8	2934.7	2924.8
42.5°	7694.5	3656.9	2878.9	2951.1	2990.5	2997.1	2931.4	2859.2	2980.6	2934.7	2918.3
45°	8223.0	3650.3	2826.4	2842.8	2905.1	2951.1	2905.1	2823.1	2869.0	2645.8	2603.1
47.5°	8850.0	3761.9	2787.0	2747.6	2855.9	2938.0	2865.7	2734.4	2639.2	2435.7	2406.2
50°	9605.0	3988.4	2750.9	2645.8	2783.7	2888.7	2816.5	2636.0	2491.5	2383.2	2366.8
52.5°	10501.2	4287.1	2704.9	2530.9	2675.4	2862.5	2816.5	2626.1	2435.7	2337.2	2320.8
55°	11440.0	4631.8	2652.4	2393.0	2553.9	2869.0	2839.5	2557.2	2393.0	2340.5	2327.4
57.5°	12605.3	5045.4	2557.2	2232.2	2445.6	2809.9	2747.6	2517.8	2363.5	2320.8	2307.7
60°	14118.6	5659.3	2376.6	2068.1	2320.8	2704.9	2665.5	2452.1	2284.7	2248.6	2238.8
62.5°	16515.0	6699.9	2156.7	1910.5	2173.1	2485.0	2544.0	2327.4	2186.2	2183.0	2179.7
65°	20421.3	7950.6	1897.4	1769.3	2018.8	2304.4	2383.2	2199.4	2084.5	2120.6	2117.3
67.5°	23159.0	8058.9	1684.0	1621.6	1838.3	2107.5	2222.3	2068.1	1943.3	2012.3	2009.0
70°	21212.4	6286.3	1500.2	1467.3	1644.6	1894.1	2048.4	1903.9	1779.2	1844.8	1831.7
72.5°	17890.4	4818.9	1326.2	1306.5	1447.6	1670.9	1825.1	1739.8	1608.5	1608.5	1579.0
75°	14378.0	3975.3	1142.4	1132.5	1227.7	1444.4	1618.3	1473.9	1352.4	1345.9	1326.2
77.5°	8246.0	2606.4	958.5	952.0	981.5	1208.0	1257.3	1227.7	1135.8	1093.1	1080.0
80°	3285.9	1355.7	755.0	712.3	741.9	886.3	991.4	942.1	863.3	810.8	781.3
82.5°	1273.7	679.5	531.8	466.1	508.8	640.1	718.9	702.5	650.0	531.8	499.0
85°	518.7	331.5	318.4	269.2	295.4	344.7	413.6	357.8	295.4	210.1	200.2
87.5°	137.9	121.5	118.2	72.2	55.8	16.4	3.3	0.0	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)