

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: P643255

Luminaire Tested: GWS-SA6E-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643255
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-SAGE-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39000.3 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

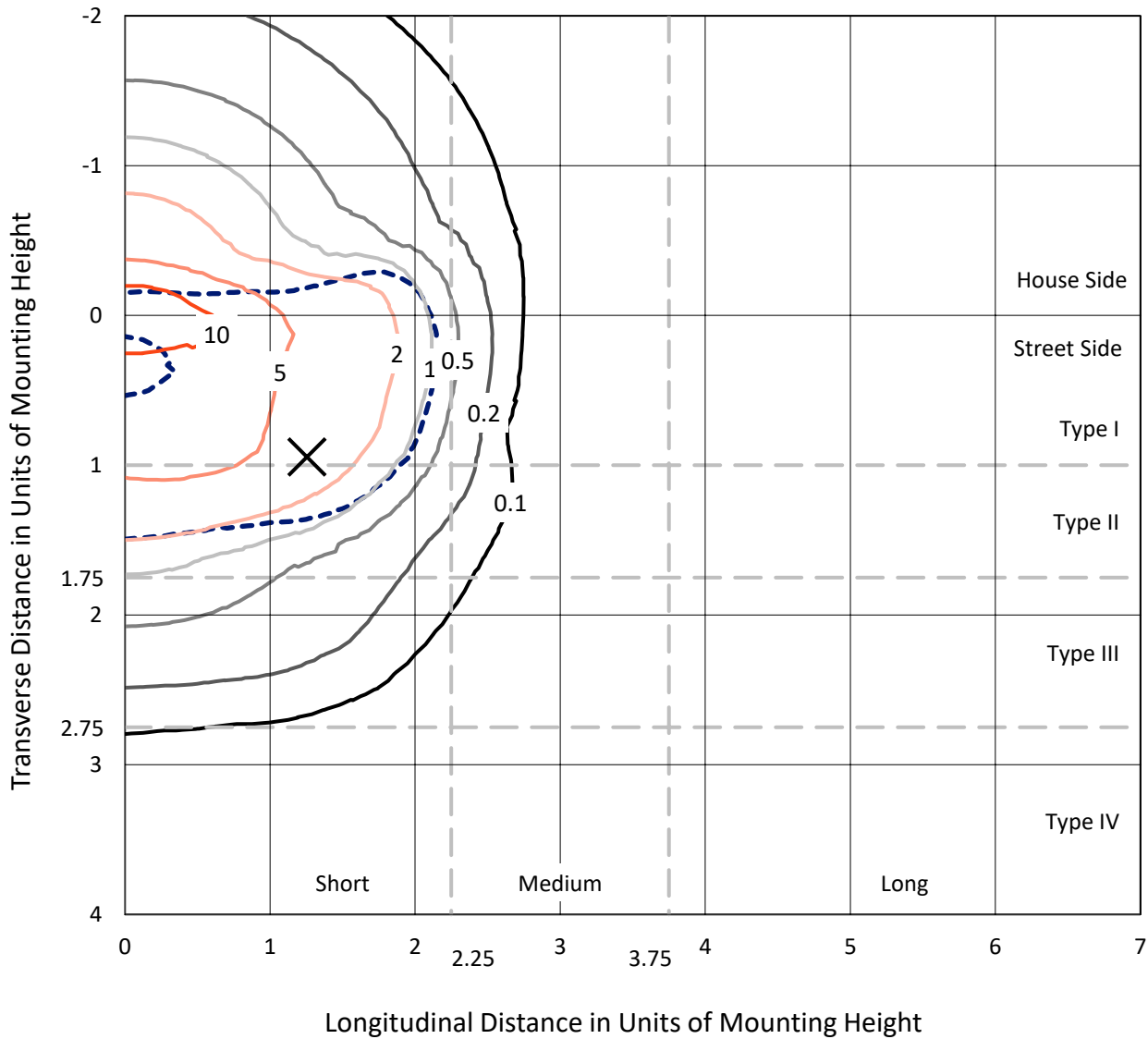
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

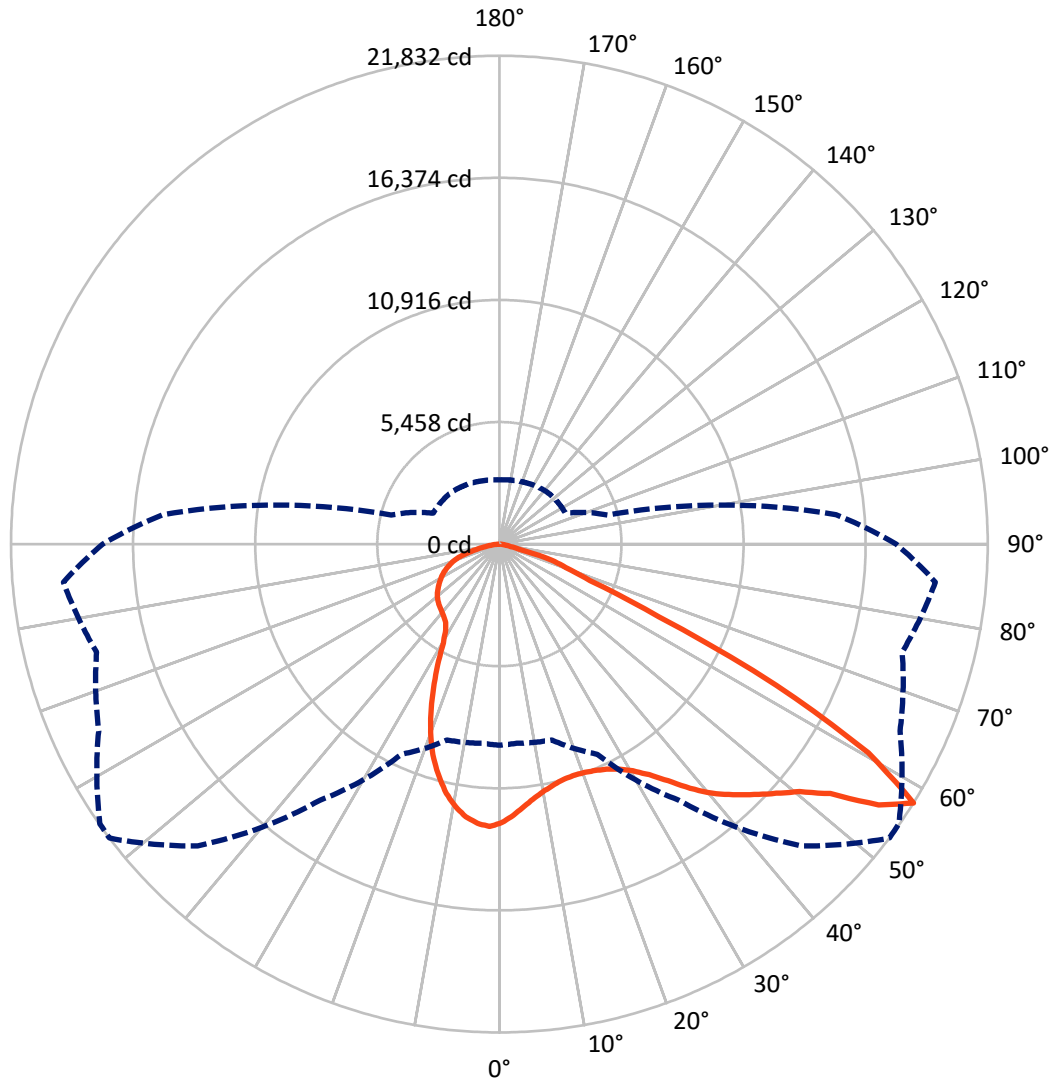
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.8 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	12194.0	0.0	12194.0
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	26806.3	0.0	26806.3
	% Fixture	68.7	0.0	68.7
Total	Lumens	39000.3	0.0	39000.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1126.2	2.9
10°-20°	2954.6	7.6
20°-30°	4353.2	11.2
30°-40°	6093.4	15.6
40°-50°	8010.2	20.5
50°-60°	9391.9	24.1
60°-70°	5532.9	14.2
70°-80°	1376.4	3.5
80°-90°	161.5	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°	39000.3	100.0
0°-180°	39000.3	100.0

Coefficient of Utilization



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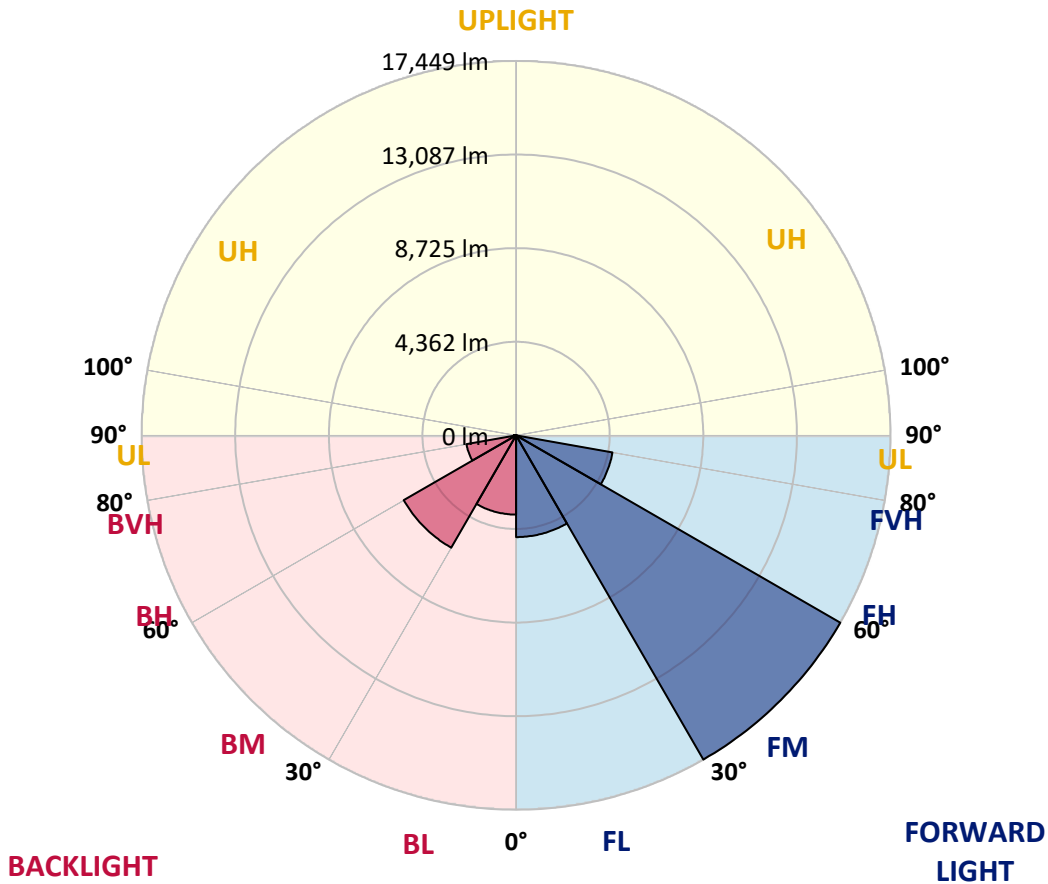
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4741.7	12.2			
FM (30°-60°)	17449.1	44.7			
FH (60°-80°)	4561.6	11.7			G2/5000
FVH (80°-90°)	54.0	0.1			G1/100
BL (0°-30°)	3692.4	9.5	B4/5000		
BM (30°-60°)	6046.4	15.5	B4/8500		
BH (60°-80°)	2347.7	6.0	B3/2500		G3/2500
BVH (80°-90°)	107.4	0.3			G2/225
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°	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8
2.5°	11738.3	11771.1	11777.7	11879.4	11886.0	12033.7	12132.2	12112.5	12214.2	12339.0	12437.4
5°	11177.0	11180.2	11213.1	11334.5	11400.2	11593.8	11758.0	11758.0	11954.9	12210.9	12430.9
7.5°	10714.1	10710.8	10740.4	10875.0	10983.3	11216.3	11439.6	11465.8	11741.5	12115.8	12473.5
10°	10284.1	10307.1	10339.9	10504.0	10641.9	10930.8	11196.6	11239.3	11587.3	12050.1	12532.6
12.5°	10008.4	10011.7	10060.9	10244.7	10422.0	10730.5	11009.5	11062.1	11462.5	11987.7	12575.3
15°	9831.1	9834.4	9886.9	10090.4	10297.2	10609.1	10894.7	10953.7	11390.3	11977.9	12657.4
17.5°	9752.3	9749.1	9798.3	10001.8	10228.3	10553.3	10858.5	10930.8	11423.1	12053.4	12801.8
20°	9752.3	9755.6	9781.9	9965.7	10195.5	10540.1	10894.7	10983.3	11551.2	12224.1	13025.0
22.5°	9890.2	9903.3	9916.5	10041.2	10221.7	10559.8	10989.8	11108.0	11826.9	12509.7	13317.2
25°	10159.4	10162.7	10175.8	10277.5	10359.6	10615.6	11147.4	11324.7	12256.9	12926.5	13684.8
27.5°	10520.5	10566.4	10579.5	10645.2	10645.2	10753.5	11393.6	11649.6	12837.9	13527.2	14154.2
30°	11026.0	11042.4	11065.3	11137.6	11058.8	11012.8	11754.7	12082.9	13510.8	14252.7	14718.8
32.5°	11469.1	11505.2	11629.9	11748.1	11607.0	11462.5	12286.4	12673.8	14157.5	15007.6	15319.5
35°	11846.6	11935.2	12174.8	12437.4	12339.0	12194.5	12992.2	13395.9	14689.2	15549.3	15851.2
37.5°	12302.9	12371.8	12700.0	13126.8	13215.4	13146.5	13852.2	14141.1	15043.8	15687.1	16140.1
40°	12765.7	12870.7	13294.2	13885.0	14223.1	14272.4	14646.6	14840.2	15165.2	15418.0	16084.3
42.5°	13238.4	13418.9	13999.9	14689.2	15289.9	15401.5	15316.2	15398.3	15125.8	15047.0	15825.0
45°	13816.1	14029.5	14686.0	15565.7	16356.8	16530.7	15972.7	15897.2	15119.2	14905.9	15664.1
47.5°	14498.9	14712.2	15339.2	16363.3	17374.3	17502.4	16645.6	16507.8	15349.0	15122.5	15880.8
50°	15102.8	15250.5	15811.9	16957.5	18323.0	18398.5	17387.5	17220.1	15920.2	15723.2	16557.0
52.5°	14489.0	14472.6	15063.4	16474.9	18815.4	19724.6	18529.8	18368.9	17023.1	16721.1	17604.1
55°	12293.0	12105.9	12634.4	14022.9	17440.0	20903.0	20578.1	20256.4	18493.7	17725.6	18585.6
57.5°	8987.5	8935.0	9063.0	10366.2	13970.4	19078.0	21832.0	21802.4	19764.0	18644.7	19563.8
60°	7027.9	6949.1	6607.7	6643.8	9522.6	14902.6	18946.7	19816.5	20551.8	19196.1	20246.5
62.5°	6240.1	6181.0	6003.7	5514.6	5672.2	9992.0	13888.3	14686.0	17958.6	16954.2	17390.7
65°	5166.7	5150.3	5298.0	5278.3	4753.1	5517.9	7838.6	8642.9	11291.8	11433.0	11291.8
67.5°	3755.2	3725.7	4099.9	4838.4	4575.8	4165.5	4369.0	4648.0	5790.4	5199.5	4680.9
70°	2442.2	2399.5	2616.2	3495.9	4096.6	3630.5	3147.9	3102.0	3184.0	1979.4	2140.2
72.5°	1638.0	1588.7	1585.5	1923.6	2475.0	2445.5	2438.9	2415.9	2156.6	1562.5	1733.2
75°	912.5	873.1	863.3	830.5	886.3	902.7	961.8	994.6	1076.7	1185.0	1313.0
77.5°	154.3	151.0	190.4	242.9	334.8	430.0	531.8	561.3	692.6	820.6	902.7
80°	85.3	88.6	114.9	141.1	187.1	256.0	328.3	347.9	426.7	495.7	561.3
82.5°	46.0	46.0	59.1	75.5	101.8	134.6	177.3	193.7	246.2	288.9	334.8
85°	16.4	16.4	23.0	29.5	42.7	55.8	68.9	78.8	108.3	147.7	167.4
87.5°	0.0	0.0	0.0	0.0	3.3	6.6	13.1	13.1	16.4	29.5	42.7
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°	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8	12453.8
2.5°	12519.5	12430.9	12552.3	12608.1	12627.8	12641.0	12555.6	12496.5	12476.8	12414.5	12378.4
5°	12565.5	12506.4	12621.3	12621.3	12539.2	12453.8	12279.9	12158.4	12073.1	11971.3	11954.9
7.5°	12644.2	12601.6	12663.9	12535.9	12329.1	12099.3	11797.3	11561.0	11370.6	11245.9	11249.2
10°	12749.3	12696.8	12647.5	12361.9	11984.5	11561.0	11098.2	10753.5	10438.4	10294.0	10215.2
12.5°	12818.2	12742.7	12535.9	12063.2	11508.5	10940.6	10287.4	9775.3	9319.1	9112.3	9095.8
15°	12903.6	12765.7	12352.1	11675.9	10904.5	10129.8	9289.5	8577.2	7960.1	7638.4	7622.0
17.5°	13015.2	12788.7	12132.2	11232.8	10267.7	9125.4	8068.4	7172.3	6515.8	6266.3	6309.0
20°	13172.7	12814.9	11882.7	10740.4	9476.6	7983.1	6666.8	5842.9	5590.1	5573.7	5540.9
22.5°	13350.0	12831.3	11607.0	10188.9	8518.1	6765.3	5508.1	5156.8	5153.5	5235.6	5255.3
25°	13550.2	12844.5	11295.1	9545.5	7480.8	5550.7	4871.2	4766.2	4848.3	5002.5	5022.2
27.5°	13806.2	12870.7	10917.6	8839.8	6377.9	4795.7	4520.0	4493.8	4592.2	4736.7	4730.1
30°	14183.7	12965.9	10517.2	8029.0	5245.5	4438.0	4306.7	4309.9	4349.3	4418.3	4428.1
32.5°	14567.8	13113.6	10126.5	7116.5	4595.5	4234.4	4175.4	4168.8	4168.8	4198.3	4204.9
35°	14932.1	13281.0	9703.1	6164.6	4280.4	4116.3	4076.9	4057.2	4047.3	4040.8	4030.9
37.5°	15135.7	13363.1	9289.5	5225.8	4113.0	4037.5	3998.1	3971.8	3935.7	3909.5	3902.9
40°	15047.0	13267.9	8810.3	4523.3	4011.2	3962.0	3916.0	3879.9	3830.7	3807.7	3794.6
42.5°	14751.6	12972.5	8288.3	4191.8	3929.2	3879.9	3824.1	3765.0	3732.2	3712.5	3709.2
45°	14439.8	12614.7	7658.1	3998.1	3850.4	3791.3	3725.7	3660.0	3623.9	3614.0	3610.8
47.5°	14429.9	12437.4	6988.5	3843.8	3755.2	3696.1	3614.0	3548.4	3509.0	3495.9	3482.7
50°	14863.2	12618.0	6233.5	3709.2	3656.7	3594.4	3502.4	3430.2	3381.0	3364.6	3361.3
52.5°	15762.6	13297.5	5557.3	3574.7	3525.4	3453.2	3377.7	3305.5	3246.4	3216.9	3213.6
55°	16734.2	14160.8	5137.1	3436.8	3371.1	3308.8	3239.8	3161.1	3095.4	3049.5	3042.9
57.5°	17738.7	15102.8	5009.1	3262.8	3213.6	3170.9	3088.8	3003.5	2928.0	2885.3	2875.5
60°	18565.9	15913.6	5248.7	3079.0	3052.7	2996.9	2921.4	2839.4	2786.9	2754.0	2747.5
62.5°	15542.7	12956.1	4237.7	2878.8	2878.8	2819.7	2734.3	2675.2	2639.1	2616.2	2609.6
65°	9863.9	8022.5	2891.9	2678.5	2675.2	2596.5	2524.3	2484.9	2468.4	2432.3	2425.8
67.5°	4296.8	3666.6	2471.7	2475.0	2461.9	2376.5	2304.3	2274.8	2242.0	2202.6	2199.3
70°	2228.8	2271.5	2212.4	2248.5	2225.5	2123.8	2054.9	2008.9	1940.0	1900.6	1903.9
72.5°	1798.8	1844.8	1910.4	1966.2	1917.0	1834.9	1726.6	1670.8	1582.2	1539.5	1542.8
75°	1372.1	1421.3	1483.7	1542.8	1503.4	1401.6	1332.7	1276.9	1175.1	1125.9	1135.7
77.5°	945.4	971.6	1047.1	1043.8	1030.7	1001.2	899.4	833.8	728.7	669.6	676.2
80°	587.6	604.0	640.1	656.5	649.9	610.5	528.5	479.2	416.9	380.8	384.1
82.5°	354.5	364.4	397.2	400.5	397.2	367.6	305.3	269.2	229.8	210.1	210.1
85°	180.5	187.1	206.8	206.8	187.1	157.6	141.1	124.7	101.8	91.9	91.9
87.5°	49.2	49.2	62.4	52.5	42.7	39.4	19.7	16.4	6.6	3.3	3.3
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)