

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: P642263

Luminaire Tested: GWS-SA6C-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29900.1 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

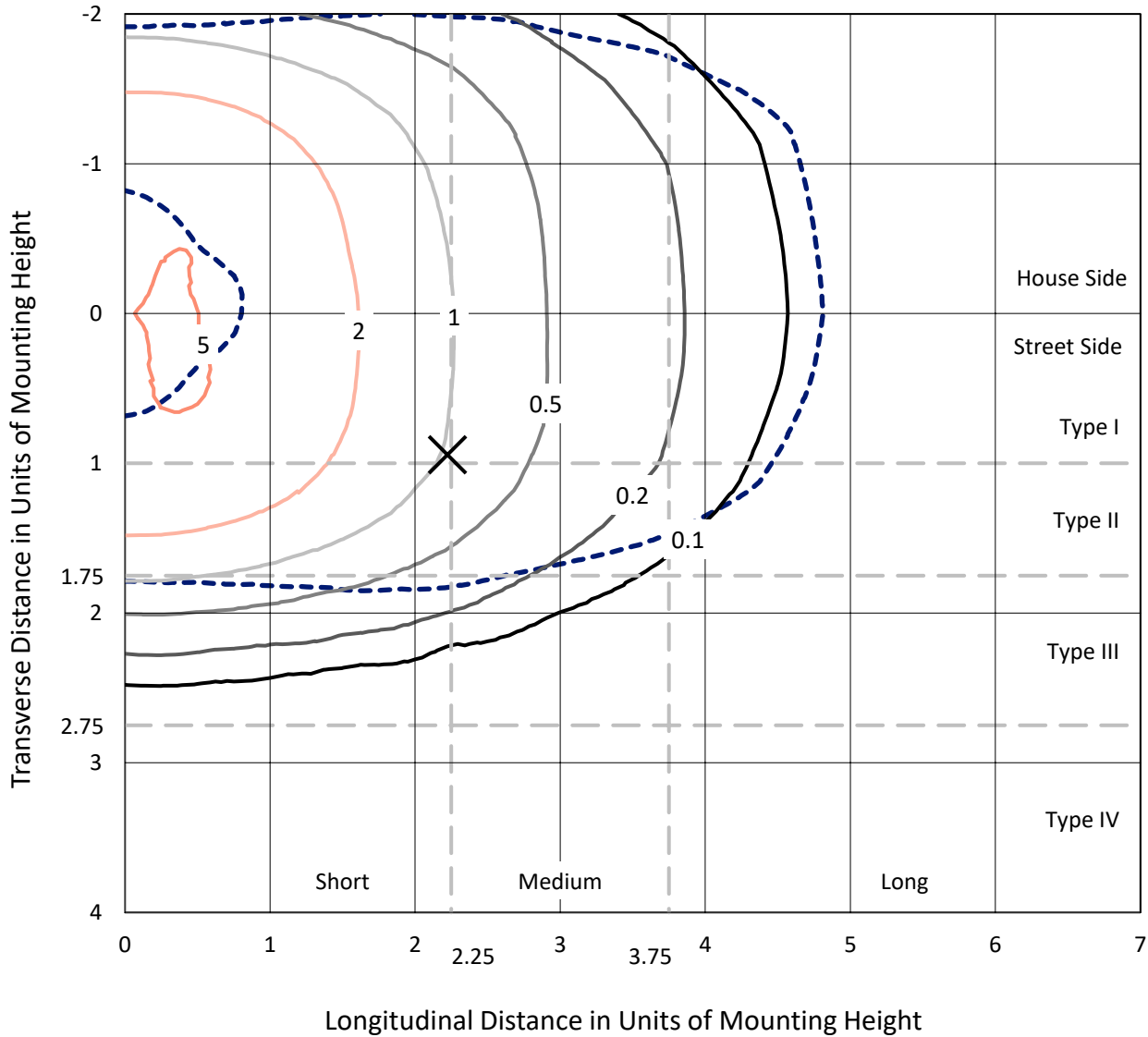
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

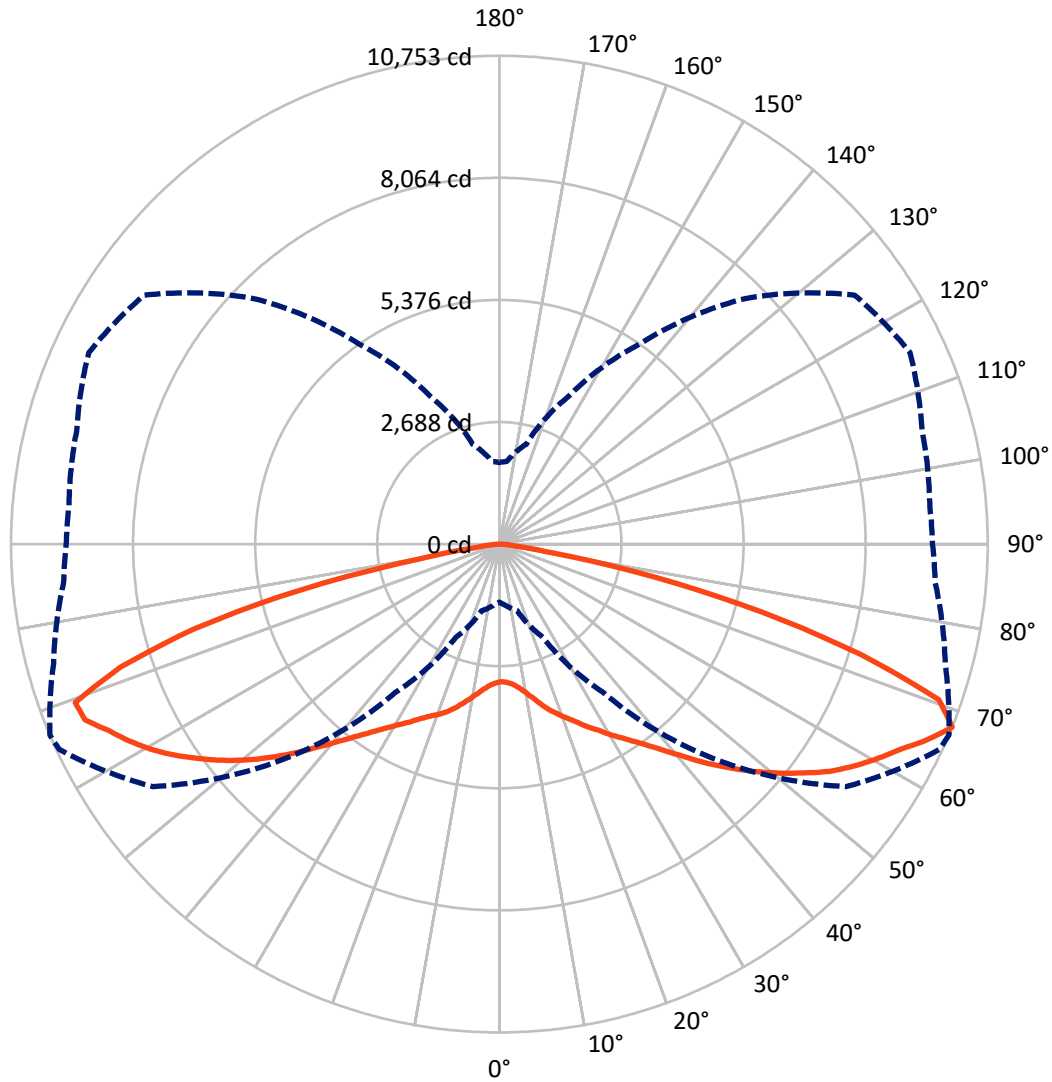
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14785.1	0.0	14785.1
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	15115.0	0.0	15115.0
	% Fixture	50.6	0.0	50.6
Total	Lumens	29900.1	0.0	29900.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.0	1.0
10°-20°	1003.5	3.4
20°-30°	1968.9	6.6
30°-40°	3354.3	11.2
40°-50°	5386.4	18.0
50°-60°	7319.0	24.5
60°-70°	7001.1	23.4
70°-80°	3328.6	11.1
80°-90°	241.2	0.8
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°	29900.1	100.0
0°-180°	29900.1	100.0

Coefficient of Utilization



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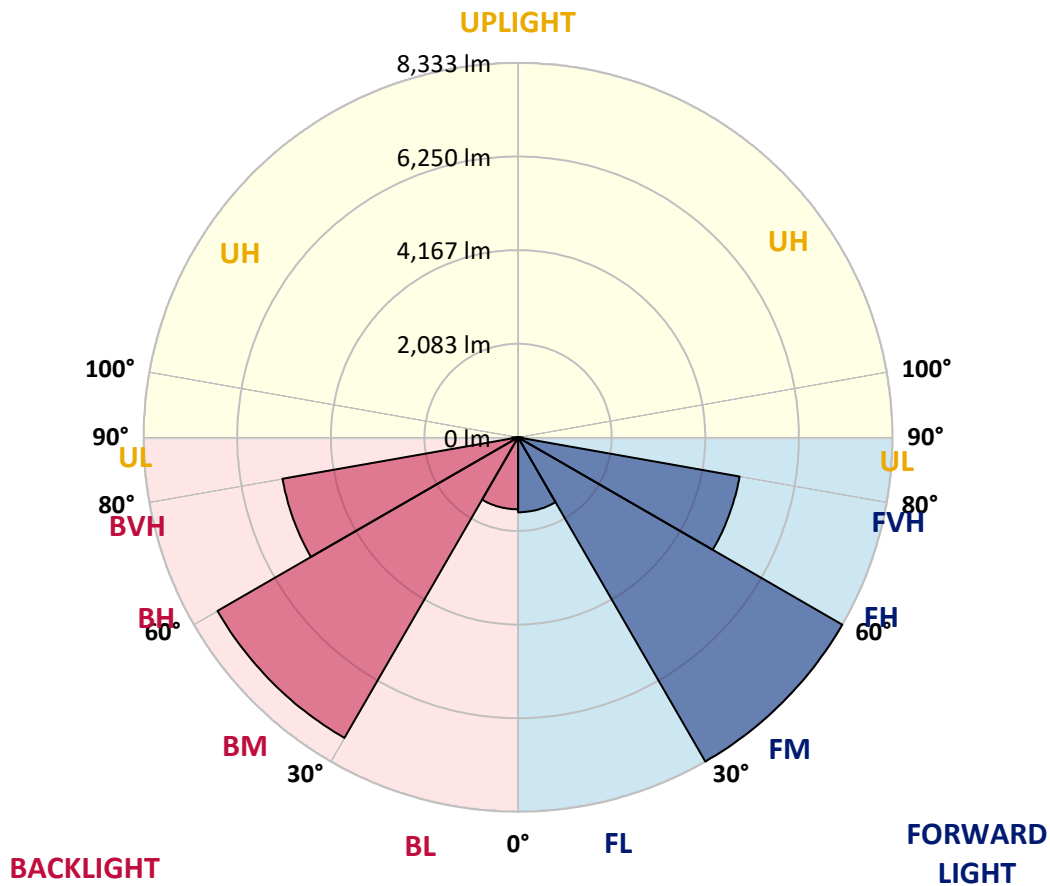
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1667.2	5.6			
FM (30°-60°)	8333.4	27.9			
FH (60°-80°)	5006.1	16.7			G3/7500
FVH (80°-90°)	108.4	0.4			G2/225
BL (0°-30°)	1602.3	5.4	B3/2500		
BM (30°-60°)	7726.3	25.8	B4/8500		
BH (60°-80°)	5323.6	17.8	B5		G5
BVH (80°-90°)	132.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6
2.5°	2965.1	2969.2	2975.5	2988.0	3000.5	3019.2	3038.0	3035.9	3044.2	3050.5	3056.7
5°	2948.4	2952.6	2963.0	2979.7	2998.4	3029.6	3069.2	3085.9	3098.3	3121.3	3142.1
7.5°	2983.8	2992.2	3006.7	3029.6	3058.8	3098.3	3152.5	3181.6	3200.4	3242.0	3277.4
10°	3031.7	3042.1	3071.3	3115.0	3158.7	3219.1	3287.8	3331.6	3344.0	3398.2	3464.8
12.5°	3077.5	3090.0	3137.9	3217.0	3296.2	3377.4	3458.6	3512.7	3516.9	3589.8	3664.7
15°	3150.4	3160.8	3225.4	3327.4	3448.2	3560.6	3660.5	3698.0	3714.7	3766.7	3860.4
17.5°	3310.7	3323.2	3406.5	3516.9	3643.9	3762.6	3862.5	3893.8	3893.8	3937.5	4014.5
20°	3483.6	3496.1	3606.4	3748.0	3902.1	4022.9	4099.9	4070.7	4060.3	4072.8	4127.0
22.5°	3677.2	3700.1	3806.3	3970.8	4160.3	4308.1	4347.7	4260.2	4231.1	4201.9	4214.4
25°	3925.0	3952.1	4056.2	4231.1	4416.4	4572.6	4595.5	4460.1	4443.5	4341.4	4304.0
27.5°	4210.3	4231.1	4360.2	4533.0	4705.8	4837.0	4862.0	4695.4	4639.2	4497.6	4410.1
30°	4578.8	4597.5	4710.0	4880.7	5030.7	5122.3	5153.5	4924.5	4880.7	4664.2	4528.8
32.5°	4980.7	4989.0	5103.5	5268.0	5401.3	5488.7	5445.0	5178.5	5113.9	4870.3	4685.0
35°	5440.8	5440.8	5588.7	5721.9	5828.1	5853.1	5769.8	5465.8	5390.9	5126.4	4895.3
37.5°	5892.7	5905.2	6042.6	6200.9	6294.6	6290.4	6138.4	5805.2	5719.9	5432.5	5176.4
40°	6382.0	6409.1	6546.5	6723.5	6813.0	6800.5	6567.3	6196.7	6109.2	5769.8	5520.0
42.5°	6831.8	6875.5	7035.8	7217.0	7314.8	7306.5	7062.9	6646.5	6561.1	6178.0	5928.1
45°	7189.9	7235.7	7435.6	7687.6	7843.7	7829.2	7583.5	7112.9	7008.8	6606.9	6332.0
47.5°	7504.3	7552.2	7775.0	8041.5	8289.3	8314.3	8089.4	7583.5	7473.1	7067.1	6756.8
50°	7745.9	7768.8	8018.6	8310.2	8597.5	8737.0	8541.3	8056.1	7922.9	7521.0	7171.2
52.5°	7727.1	7758.4	8066.5	8462.2	8847.4	9076.4	8941.1	8501.7	8372.6	7935.4	7593.9
55°	7346.1	7377.3	7743.8	8320.6	8986.9	9324.2	9309.6	8926.5	8832.8	8358.0	8033.2
57.5°	6790.1	6858.8	7223.2	7845.8	8803.6	9522.0	9580.3	9313.8	9215.9	8772.4	8468.4
60°	5794.8	5886.4	6307.1	7115.0	8216.5	9455.4	9869.7	9640.7	9580.3	9157.6	8861.9
62.5°	4210.3	4276.9	4837.0	5896.9	7346.1	8980.6	10113.4	9978.0	9932.2	9503.3	9218.0
65°	2521.6	2673.6	3123.3	4170.7	5926.0	8085.3	9980.1	10419.4	10371.6	9859.3	9522.0
67.5°	1276.4	1345.1	1522.1	2261.3	3985.4	6690.2	9311.7	10694.3	10752.6	10163.3	9630.3
70°	791.2	810.0	860.0	1116.1	1990.6	4395.6	7614.7	9978.0	10263.3	10115.4	9349.2
72.5°	635.1	639.2	647.6	695.5	955.7	2055.2	4814.1	7814.6	8328.9	9447.0	8947.3
75°	526.8	528.9	531.0	545.5	595.5	839.1	2342.5	5370.1	5971.8	8029.1	8295.6
77.5°	422.7	412.3	420.6	426.9	439.3	468.5	807.9	2865.1	3475.2	5270.1	6415.3
80°	274.9	270.7	287.3	293.6	306.1	324.8	431.0	972.4	1180.6	1917.7	2040.6
82.5°	147.8	139.5	174.9	168.7	174.9	189.5	254.0	356.1	399.8	578.9	489.3
85°	45.8	45.8	47.9	56.2	68.7	66.6	110.4	174.9	193.6	247.8	183.2
87.5°	8.3	8.3	8.3	8.3	8.3	10.4	22.9	35.4	47.9	85.4	64.5
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°	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6	3027.6
2.5°	3069.2	3050.5	3060.9	3067.1	3065.0	3060.9	3040.0	3035.9	3025.5	3008.8	3004.6
5°	3160.8	3140.0	3142.1	3135.8	3115.0	3087.9	3042.1	3019.2	3000.5	2979.7	2977.6
7.5°	3304.5	3281.6	3275.3	3246.2	3187.9	3125.4	3052.5	3010.9	2979.7	2952.6	2948.4
10°	3487.7	3464.8	3444.0	3375.3	3279.5	3196.2	3100.4	3040.0	2994.2	2960.9	2954.7
12.5°	3691.8	3673.0	3621.0	3521.0	3406.5	3308.7	3210.8	3135.8	3069.2	3019.2	3013.0
15°	3918.7	3877.1	3798.0	3668.9	3560.6	3481.5	3362.8	3260.8	3154.6	3087.9	3073.4
17.5°	4077.0	4041.6	3947.9	3823.0	3737.6	3668.9	3529.4	3383.6	3239.9	3142.1	3121.3
20°	4189.4	4152.0	4045.8	3954.1	3927.1	3868.8	3706.4	3537.7	3371.1	3250.3	3223.3
22.5°	4270.6	4231.1	4122.8	4077.0	4114.5	4104.1	3945.8	3754.2	3556.4	3412.8	3379.4
25°	4347.7	4310.2	4214.4	4231.1	4331.0	4362.3	4191.5	3968.7	3743.8	3575.2	3535.6
27.5°	4420.6	4372.7	4328.9	4420.6	4562.1	4620.5	4439.3	4187.3	3943.7	3770.9	3739.7
30°	4533.0	4476.8	4470.5	4603.8	4828.7	4878.6	4678.8	4426.8	4185.3	4010.4	3970.8
32.5°	4674.6	4622.5	4626.7	4826.6	5086.9	5128.5	4957.8	4722.5	4480.9	4306.0	4251.9
35°	4866.2	4801.6	4837.0	5082.7	5345.1	5422.1	5284.7	5089.0	4853.7	4674.6	4614.2
37.5°	5130.6	5036.9	5109.8	5368.0	5632.4	5746.9	5640.7	5495.0	5261.8	5080.6	5024.4
40°	5467.9	5390.9	5420.0	5705.3	5978.1	6115.5	6048.9	5905.2	5674.1	5484.6	5420.0
42.5°	5867.7	5790.7	5780.3	6084.3	6357.0	6565.2	6500.7	6369.5	6130.1	5913.5	5851.0
45°	6259.2	6188.4	6202.9	6513.2	6819.3	7046.2	6981.7	6827.6	6567.3	6317.5	6267.5
47.5°	6667.3	6609.0	6621.5	6950.5	7287.8	7514.7	7433.5	7246.1	6942.1	6675.6	6615.2
50°	7085.8	7019.2	7037.9	7383.6	7748.0	7962.4	7837.5	7560.6	7225.3	6965.0	6913.0
52.5°	7502.2	7423.1	7471.0	7797.9	8174.8	8345.5	8114.4	7779.2	7454.4	7196.2	7137.9
55°	7981.2	7897.9	7845.8	8195.6	8568.3	8639.1	8322.6	7931.2	7546.0	7252.4	7217.0
57.5°	8418.4	8347.6	8249.8	8599.6	8874.4	8822.4	8483.0	7889.5	7323.2	6946.3	6896.3
60°	8809.9	8749.5	8664.1	8961.9	9086.8	8970.2	8353.9	7396.1	6773.5	6379.9	6357.0
62.5°	9170.1	9105.6	9026.4	9280.5	9263.8	8993.1	7766.7	6638.1	5805.2	5382.5	5345.1
65°	9455.4	9397.1	9374.2	9574.1	9547.0	8545.4	6852.6	5397.1	4241.5	3764.7	3750.1
67.5°	9536.6	9513.7	9636.5	9975.9	9553.2	7645.9	5374.2	3579.3	2278.0	1826.1	1799.0
70°	9232.6	9230.5	9582.4	10067.5	8687.0	5840.6	3171.2	1613.7	1145.2	1016.1	999.5
72.5°	8837.0	8830.7	9109.7	8685.0	6442.4	3196.2	1334.7	864.1	716.3	680.9	680.9
75°	8187.3	8170.6	8380.9	6606.9	3623.1	1203.5	708.0	593.4	562.2	556.0	556.0
77.5°	6673.5	6534.0	6202.9	4083.2	1263.9	591.4	468.5	466.4	447.7	445.6	445.6
80°	2194.7	2194.7	2550.7	1557.5	558.0	364.4	331.1	347.7	329.0	316.5	314.4
82.5°	358.1	493.5	701.7	445.6	301.9	227.0	204.1	216.6	227.0	181.2	181.2
85°	141.6	185.3	270.7	208.2	139.5	91.6	97.9	108.3	95.8	83.3	81.2
87.5°	54.1	66.6	95.8	50.0	29.2	16.7	10.4	10.4	8.3	8.3	8.3
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)