

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: P642318

Luminaire Tested: GWS-SA6C-760-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642318
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-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29490.3 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

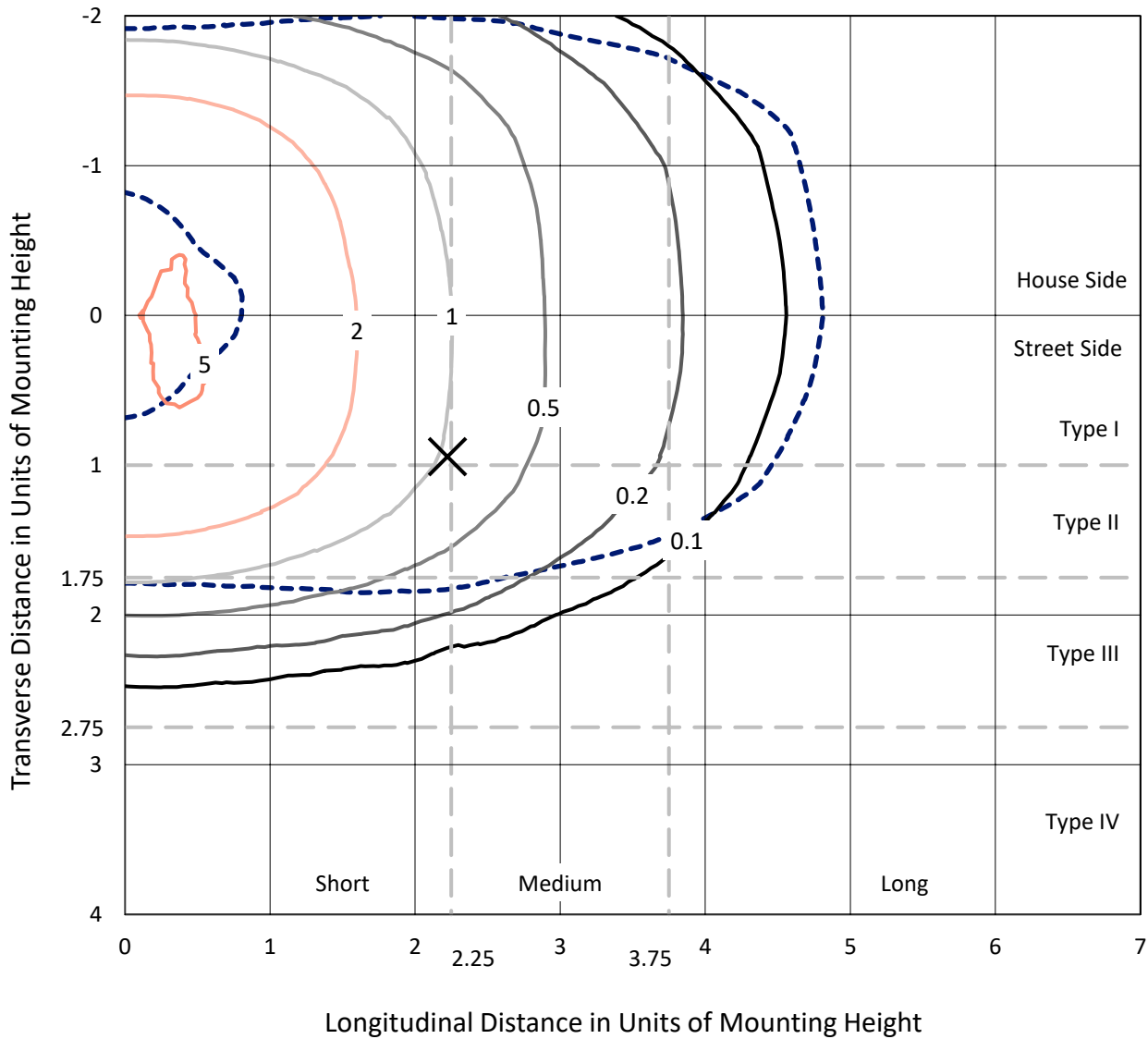
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

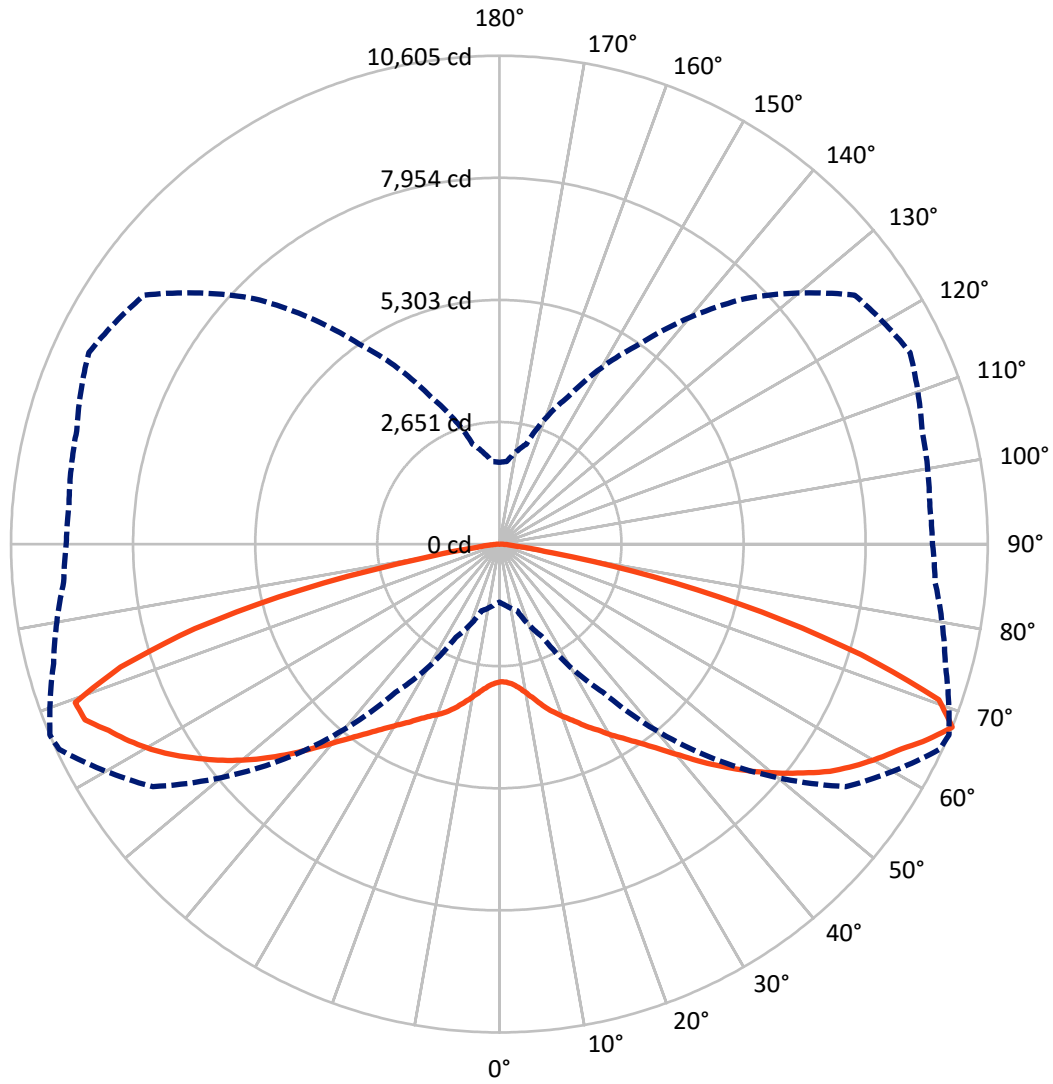
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	14582.4	0.0	14582.4
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	14907.9	0.0	14907.9
	% Fixture	50.6	0.0	50.6
Total	Lumens	29490.3	0.0	29490.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.0	1.0
10°-20°	989.8	3.4
20°-30°	1941.9	6.6
30°-40°	3308.4	11.2
40°-50°	5312.6	18.0
50°-60°	7218.7	24.5
60°-70°	6905.2	23.4
70°-80°	3283.0	11.1
80°-90°	237.9	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°	29490.3	100.0
0°-180°	29490.3	100.0

Coefficient of Utilization



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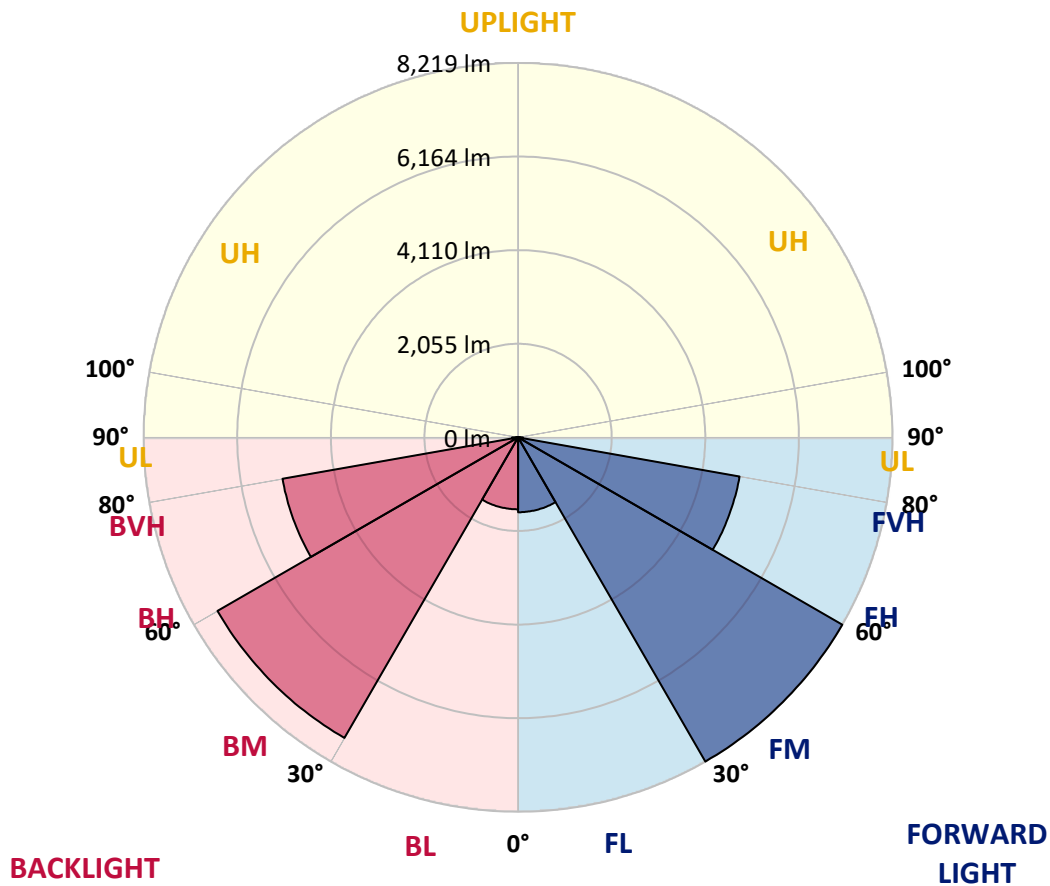
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1644.3	5.6			
FM (30°-60°)	8219.2	27.9			
FH (60°-80°)	4937.4	16.7			G2/5000
FVH (80°-90°)	106.9	0.4			G2/225
BL (0°-30°)	1580.3	5.4	B3/2500		
BM (30°-60°)	7620.4	25.8	B4/8500		
BH (60°-80°)	5250.7	17.8	B5		G5
BVH (80°-90°)	131.0	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1
2.5°	2924.4	2928.6	2934.7	2947.0	2959.4	2977.8	2996.3	2994.3	3002.5	3008.6	3014.8
5°	2908.0	2912.1	2922.4	2938.8	2957.3	2988.1	3027.1	3043.6	3055.9	3078.5	3099.0
7.5°	2942.9	2951.1	2965.5	2988.1	3016.9	3055.9	3109.3	3138.0	3156.5	3197.6	3232.5
10°	2990.2	3000.4	3029.2	3072.3	3115.4	3175.0	3242.8	3285.9	3298.2	3351.6	3417.3
12.5°	3035.3	3047.7	3094.9	3172.9	3251.0	3331.1	3411.2	3464.6	3468.7	3540.6	3614.5
15°	3107.2	3117.5	3181.2	3281.8	3400.9	3511.8	3610.4	3647.3	3663.8	3715.1	3807.5
17.5°	3265.4	3277.7	3359.8	3468.7	3593.9	3711.0	3809.6	3840.4	3840.4	3883.5	3959.5
20°	3435.8	3448.1	3557.0	3696.6	3848.6	3967.7	4043.7	4015.0	4004.7	4017.0	4070.4
22.5°	3626.8	3649.4	3754.1	3916.4	4103.3	4249.1	4288.1	4201.8	4173.1	4144.3	4156.7
25°	3871.2	3897.9	4000.6	4173.1	4355.9	4509.9	4532.5	4399.0	4382.6	4281.9	4245.0
27.5°	4152.6	4173.1	4300.4	4470.9	4641.3	4770.7	4795.4	4631.1	4575.6	4436.0	4349.7
30°	4516.1	4534.5	4645.4	4813.8	4961.7	5052.1	5082.9	4857.0	4813.8	4600.3	4466.8
32.5°	4912.4	4920.6	5033.6	5195.8	5327.3	5413.5	5370.4	5107.5	5043.8	4803.6	4620.8
35°	5366.3	5366.3	5512.1	5643.5	5748.3	5772.9	5690.8	5390.9	5317.0	5056.2	4828.2
37.5°	5811.9	5824.2	5959.8	6115.9	6208.3	6204.2	6054.3	5725.7	5641.5	5358.1	5105.5
40°	6294.5	6321.2	6456.8	6631.3	6719.7	6707.3	6477.3	6111.8	6025.5	5690.8	5444.3
42.5°	6738.1	6781.3	6939.4	7118.1	7214.6	7206.4	6966.1	6555.4	6471.2	6093.3	5846.8
45°	7091.4	7136.6	7333.7	7582.2	7736.2	7721.9	7479.5	7015.4	6912.7	6516.3	6245.3
47.5°	7401.5	7448.7	7668.5	7931.3	8175.7	8200.4	7978.6	7479.5	7370.7	6970.2	6664.2
50°	7639.7	7662.3	7908.7	8196.3	8479.7	8617.3	8424.2	7945.7	7814.3	7417.9	7072.9
52.5°	7621.2	7652.0	7956.0	8346.2	8726.1	8952.0	8818.5	8385.2	8257.9	7826.6	7489.8
55°	7245.4	7276.2	7637.7	8206.5	8863.7	9196.4	9182.0	8804.1	8711.7	8243.5	7923.1
57.5°	6697.1	6764.8	7124.2	7738.3	8683.0	9391.5	9449.0	9186.1	9089.6	8652.2	8352.3
60°	5715.4	5805.8	6220.6	7017.4	8103.8	9325.8	9734.5	9508.6	9449.0	9032.1	8740.5
62.5°	4152.6	4218.3	4770.7	5816.0	7245.4	8857.5	9974.7	9841.3	9796.1	9373.0	9091.7
65°	2487.0	2636.9	3080.5	4113.5	5844.8	7974.5	9843.3	10276.6	10229.4	9724.2	9391.5
67.5°	1258.9	1326.7	1501.2	2230.3	3930.8	6598.5	9184.1	10547.7	10605.2	10024.0	9498.3
70°	780.4	798.9	848.2	1100.8	1963.3	4335.3	7510.3	9841.3	10122.6	9976.8	9221.0
72.5°	626.4	630.5	638.7	685.9	942.6	2027.0	4748.1	7707.5	8214.7	9317.6	8824.7
75°	519.6	521.6	523.7	538.1	587.4	827.6	2310.4	5296.5	5890.0	7919.0	8181.9
77.5°	416.9	406.6	414.8	421.0	433.3	462.1	796.8	2825.9	3427.6	5197.9	6327.4
80°	271.1	267.0	283.4	289.6	301.9	320.4	425.1	959.1	1164.4	1891.4	2012.6
82.5°	145.8	137.6	172.5	166.3	172.5	186.9	250.5	351.2	394.3	570.9	482.6
85°	45.2	45.2	47.2	55.4	67.8	65.7	108.8	172.5	191.0	244.4	180.7
87.5°	8.2	8.2	8.2	8.2	8.2	10.3	22.6	34.9	47.2	84.2	63.7
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°	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1
2.5°	3027.1	3008.6	3018.9	3025.1	3023.0	3018.9	2998.4	2994.3	2984.0	2967.6	2963.5
5°	3117.5	3097.0	3099.0	3092.8	3072.3	3045.6	3000.4	2977.8	2959.4	2938.8	2936.8
7.5°	3259.2	3236.6	3230.4	3201.7	3144.2	3082.6	3010.7	2969.6	2938.8	2912.1	2908.0
10°	3439.9	3417.3	3396.8	3329.0	3234.6	3152.4	3057.9	2998.4	2953.2	2920.3	2914.2
12.5°	3641.2	3622.7	3571.4	3472.8	3359.8	3263.3	3166.8	3092.8	3027.1	2977.8	2971.7
15°	3865.0	3824.0	3745.9	3618.6	3511.8	3433.8	3316.7	3216.1	3111.3	3045.6	3031.2
17.5°	4021.1	3986.2	3893.8	3770.6	3686.4	3618.6	3481.0	3337.2	3195.5	3099.0	3078.5
20°	4132.0	4095.0	3990.3	3899.9	3873.2	3815.7	3655.6	3489.2	3324.9	3205.8	3179.1
22.5°	4212.1	4173.1	4066.3	4021.1	4058.1	4047.8	3891.7	3702.8	3507.7	3366.0	3333.1
25°	4288.1	4251.1	4156.7	4173.1	4271.7	4302.5	4134.1	3914.3	3692.5	3526.2	3487.2
27.5°	4360.0	4312.7	4269.6	4360.0	4499.6	4557.1	4378.5	4130.0	3889.7	3719.2	3688.4
30°	4470.9	4415.4	4409.3	4540.7	4762.5	4811.8	4614.6	4366.1	4127.9	3955.4	3916.4
32.5°	4610.5	4559.2	4563.3	4760.4	5017.2	5058.2	4889.8	4657.8	4419.5	4247.0	4193.6
35°	4799.5	4735.8	4770.7	5013.0	5271.8	5347.8	5212.3	5019.2	4787.1	4610.5	4551.0
37.5°	5060.3	4967.9	5039.7	5294.4	5555.2	5668.2	5563.4	5419.7	5189.7	5011.0	4955.5
40°	5393.0	5317.0	5345.7	5627.1	5896.1	6031.7	5966.0	5824.2	5596.3	5409.4	5345.7
42.5°	5787.3	5711.3	5701.0	6000.9	6269.9	6475.3	6411.6	6282.2	6046.0	5832.5	5770.9
45°	6173.4	6103.6	6117.9	6423.9	6725.8	6949.7	6886.0	6734.0	6477.3	6230.9	6181.6
47.5°	6575.9	6518.4	6530.7	6855.2	7187.9	7411.7	7331.7	7146.8	6847.0	6584.1	6524.6
50°	6988.7	6923.0	6941.5	7282.4	7641.8	7853.3	7730.1	7456.9	7126.3	6869.6	6818.2
52.5°	7399.4	7321.4	7368.6	7691.0	8062.8	8231.2	8003.2	7672.6	7352.2	7097.5	7040.0
55°	7871.8	7789.6	7738.3	8083.3	8450.9	8520.7	8208.6	7822.5	7442.6	7153.0	7118.1
57.5°	8303.0	8233.2	8136.7	8481.7	8752.8	8701.5	8366.7	7781.4	7222.8	6851.1	6801.8
60°	8689.1	8629.6	8545.4	8839.1	8962.3	8847.3	8239.4	7294.7	6680.6	6292.5	6269.9
62.5°	9044.4	8980.8	8902.7	9153.3	9136.8	8869.9	7660.2	6547.1	5725.7	5308.8	5271.8
65°	9325.8	9268.3	9245.7	9442.8	9416.1	8428.3	6758.7	5323.2	4183.4	3713.1	3698.7
67.5°	9405.9	9383.3	9504.5	9839.2	9422.3	7541.1	5300.6	3530.3	2246.7	1801.1	1774.4
70°	9106.0	9104.0	9451.1	9929.6	8568.0	5760.6	3127.8	1591.6	1129.5	1002.2	985.8
72.5°	8715.8	8709.7	8984.9	8565.9	6354.1	3152.4	1316.4	852.3	706.5	671.6	671.6
75°	8075.1	8058.7	8266.1	6516.3	3573.4	1187.0	698.3	585.3	554.5	548.3	548.3
77.5°	6582.1	6444.5	6117.9	4027.3	1246.6	583.2	462.1	460.0	441.5	439.5	439.5
80°	2164.6	2164.6	2515.8	1536.2	550.4	359.4	326.5	343.0	324.5	312.2	310.1
82.5°	353.2	486.7	692.1	439.5	297.8	223.9	201.3	213.6	223.9	178.7	178.7
85°	139.7	182.8	267.0	205.4	137.6	90.4	96.5	106.8	94.5	82.1	80.1
87.5°	53.4	65.7	94.5	49.3	28.8	16.4	10.3	10.3	8.2	8.2	8.2
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)