

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: P637367

Luminaire Tested: GWS-SA4C-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17264.3 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

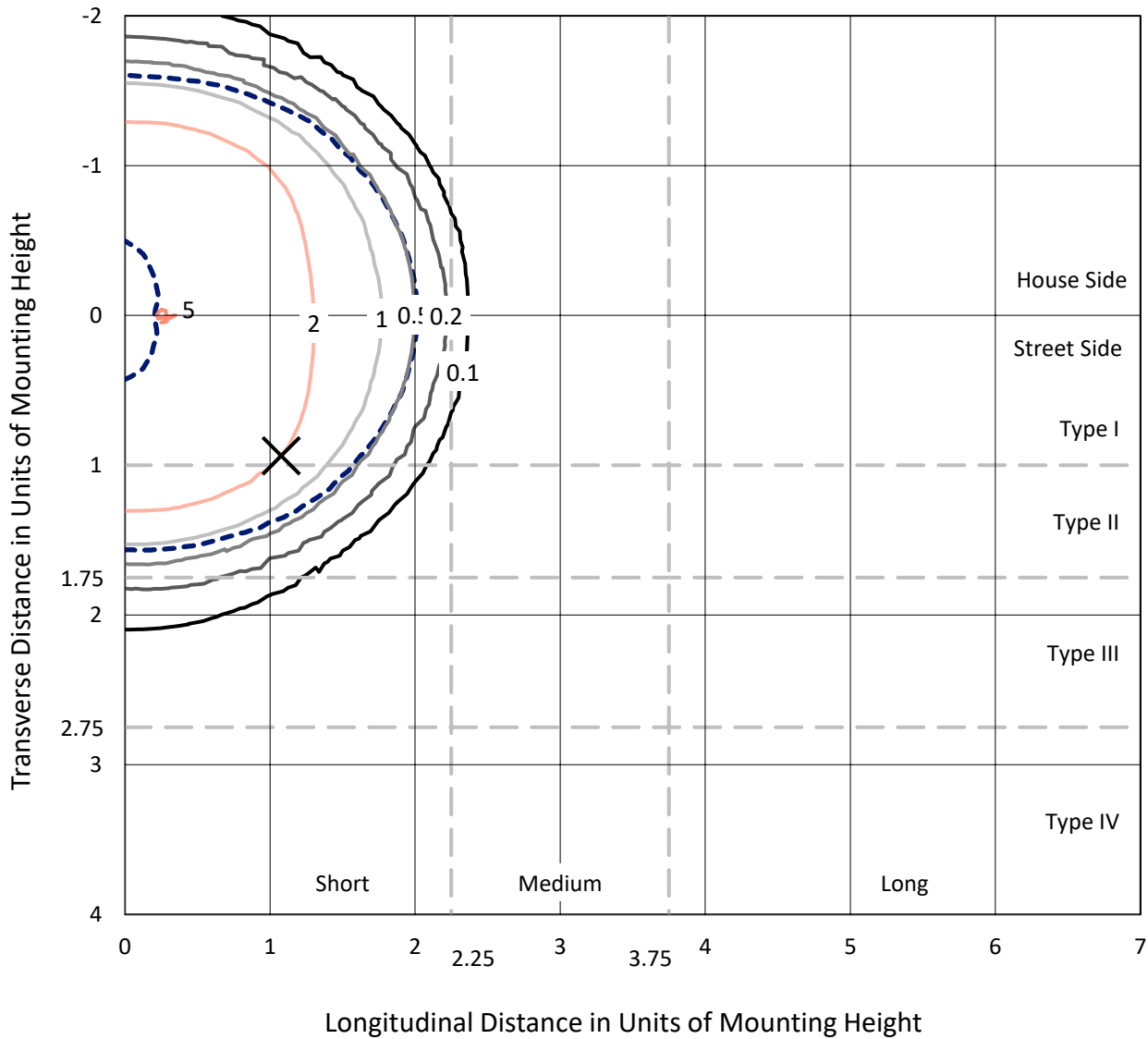
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

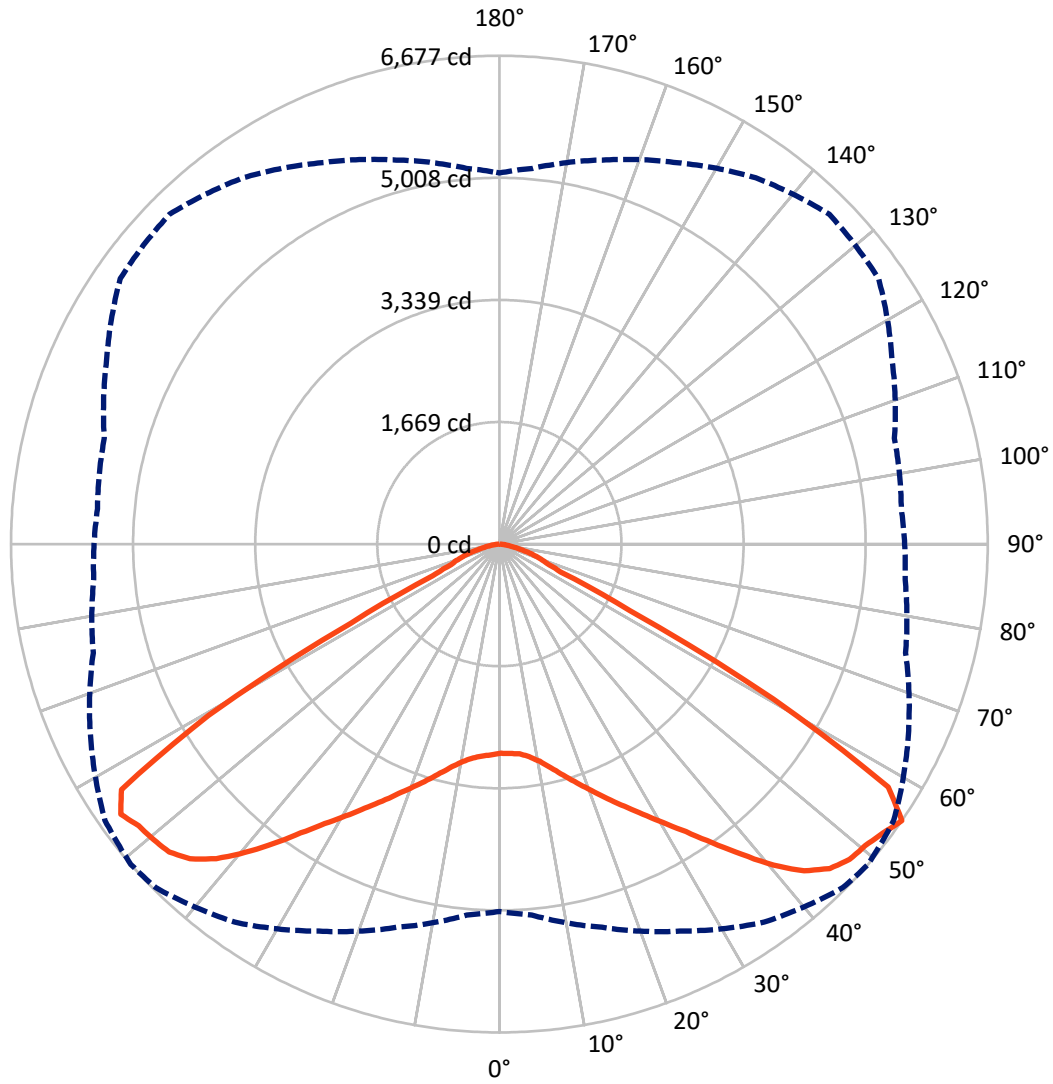
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8547.5	0.0	8547.5
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	8716.8	0.0	8716.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	17264.3	0.0	17264.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	1.6
10°-20°	920.2	5.3
20°-30°	1752.8	10.2
30°-40°	2971.3	17.2
40°-50°	4471.6	25.9
50°-60°	4894.6	28.4
60°-70°	1547.7	9.0
70°-80°	371.4	2.2
80°-90°	55.7	0.3
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°	17264.3	100.0
0°-180°	17264.3	100.0

Coefficient of Utilization



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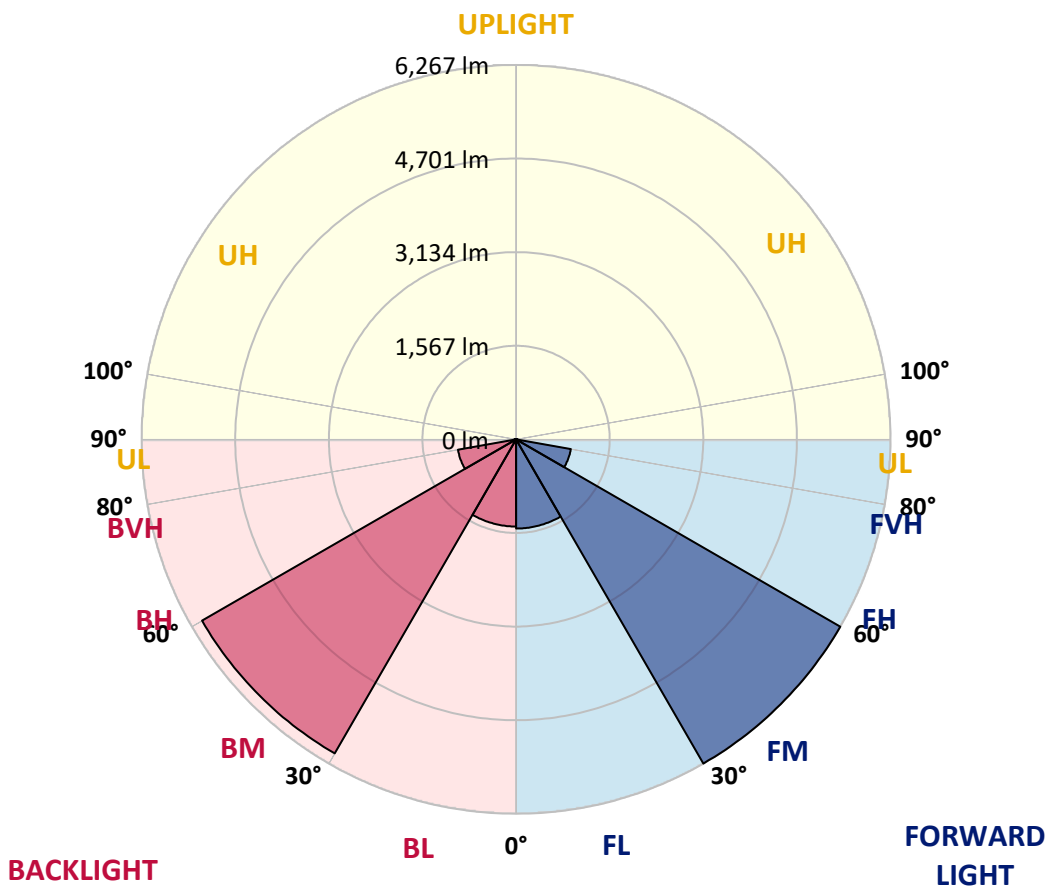
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1492.7	8.6			
FM (30°-60°)	6267.4	36.3			
FH (60°-80°)	931.0	5.4			G1/1800
FVH (80°-90°)	25.8	0.1			G1/100
BL (0°-30°)	1459.3	8.5	B3/2500		
BM (30°-60°)	6070.0	35.2	B4/8500		
BH (60°-80°)	988.2	5.7	B2/1000		G1/1800
BVH (80°-90°)	29.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9
2.5°	2817.8	2820.6	2826.2	2836.1	2845.9	2859.9	2865.6	2872.6	2871.2	2879.6	2879.6
5°	2803.8	2808.0	2816.4	2830.5	2847.3	2874.0	2881.0	2897.8	2914.7	2935.8	2942.8
7.5°	2820.6	2826.2	2836.1	2858.5	2883.8	2918.9	2932.9	2961.0	2993.3	3031.2	3046.7
10°	2852.9	2859.9	2876.8	2913.3	2954.0	3007.4	3020.0	3055.1	3107.0	3159.0	3189.9
12.5°	2889.4	2900.7	2931.5	2989.1	3049.5	3119.7	3139.3	3182.9	3239.0	3306.4	3348.5
15°	2931.5	2941.4	2989.1	3070.5	3164.6	3257.3	3279.7	3321.9	3385.0	3451.0	3510.0
17.5°	3020.0	3036.8	3093.0	3187.1	3296.6	3406.1	3431.4	3479.1	3529.6	3581.6	3637.7
20°	3140.7	3154.8	3226.4	3342.9	3472.1	3571.8	3597.0	3639.2	3663.0	3689.7	3737.4
22.5°	3261.5	3281.1	3362.6	3500.2	3651.8	3759.9	3779.6	3818.9	3802.0	3793.6	3824.5
25°	3411.7	3438.4	3518.4	3668.6	3823.1	3956.5	3971.9	4005.6	3977.5	3934.0	3932.6
27.5°	3598.4	3622.3	3705.1	3859.6	4012.6	4151.6	4181.1	4226.0	4164.2	4110.9	4073.0
30°	3820.3	3835.7	3927.0	4091.2	4248.5	4380.5	4418.4	4463.3	4417.0	4328.5	4290.6
32.5°	4078.6	4099.7	4205.0	4377.7	4518.1	4650.0	4687.9	4744.1	4693.6	4593.9	4546.1
35°	4388.9	4409.9	4520.9	4709.0	4852.2	4988.4	5015.1	5061.4	4998.2	4883.1	4845.2
37.5°	4725.8	4752.5	4892.9	5071.2	5221.5	5380.1	5381.5	5395.5	5305.7	5162.5	5120.4
40°	5104.9	5140.0	5280.4	5465.7	5646.9	5776.0	5774.6	5735.3	5583.7	5361.9	5297.3
42.5°	5479.8	5507.9	5649.7	5840.6	6021.7	6143.9	6107.4	6011.9	5792.9	5491.0	5405.4
45°	5750.8	5771.8	5920.6	6135.5	6319.4	6395.2	6329.2	6214.1	5917.8	5572.5	5446.1
47.5°	5878.5	5906.6	6056.8	6270.2	6478.0	6521.6	6442.9	6334.8	5990.8	5648.3	5478.4
50°	5809.7	5846.2	6016.1	6214.1	6448.5	6538.4	6482.2	6374.1	6068.1	5722.7	5535.9
52.5°	5631.4	5666.5	5881.3	6121.4	6386.8	6565.1	6563.7	6475.2	6156.5	5743.7	5538.8
55°	5022.1	5090.9	5425.0	5839.2	6311.0	6643.7	6677.4	6583.3	6170.6	5749.4	5568.2
57.5°	3268.5	3389.2	3706.5	4245.7	5192.0	6042.8	6270.2	6292.7	6069.5	5725.5	5573.9
60°	1364.7	1461.6	1712.9	2070.9	2852.9	3865.2	4306.0	4748.3	5281.8	5475.6	5521.9
62.5°	848.0	856.4	881.7	963.1	1224.3	1718.5	2002.1	2416.3	3209.5	3884.9	4196.5
65°	765.2	769.4	775.0	769.4	782.0	842.4	918.2	1062.8	1385.7	1721.3	2120.0
67.5°	673.9	679.5	683.7	679.5	683.7	686.6	695.0	707.6	766.6	814.3	850.8
70°	544.7	553.2	560.2	557.4	574.2	574.2	582.7	592.5	622.0	657.1	682.3
72.5°	415.6	408.6	417.0	419.8	435.2	443.7	456.3	467.5	501.2	522.3	554.6
75°	269.6	262.5	275.2	282.2	303.3	314.5	325.7	337.0	360.8	374.9	405.8
77.5°	146.0	144.6	157.2	167.1	189.5	203.6	212.0	220.4	240.1	244.3	264.0
80°	84.2	84.2	92.7	99.7	113.7	129.2	137.6	144.6	158.7	162.9	171.3
82.5°	46.3	46.3	50.5	54.8	66.0	74.4	81.4	87.0	99.7	103.9	108.1
85°	22.5	21.1	23.9	26.7	30.9	35.1	39.3	42.1	51.9	54.8	60.4
87.5°	2.8	2.8	2.8	4.2	5.6	8.4	9.8	9.8	15.4	18.3	21.1
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°	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9	2859.9
2.5°	2888.0	2869.8	2881.0	2885.2	2885.2	2881.0	2862.7	2857.1	2848.7	2836.1	2836.1
5°	2952.6	2938.6	2941.4	2934.3	2917.5	2896.4	2862.7	2845.9	2831.9	2816.4	2815.0
7.5°	3063.5	3045.3	3042.5	3015.8	2970.9	2925.9	2875.4	2844.5	2823.4	2803.8	2802.4
10°	3208.1	3191.3	3170.2	3116.9	3050.9	2984.9	2916.1	2874.0	2843.1	2815.0	2813.6
12.5°	3369.6	3349.9	3310.6	3232.0	3149.2	3084.6	3006.0	2941.4	2895.0	2857.1	2850.1
15°	3545.1	3517.0	3449.6	3356.9	3275.5	3206.7	3122.5	3029.8	2959.6	2899.2	2892.2
17.5°	3679.9	3643.4	3570.4	3483.3	3415.9	3347.1	3237.6	3121.1	3020.0	2944.2	2932.9
20°	3772.5	3743.0	3660.2	3595.6	3556.3	3495.9	3368.2	3236.2	3122.5	3027.0	3021.4
22.5°	3858.2	3823.1	3741.6	3703.7	3703.7	3663.0	3540.9	3385.0	3251.7	3140.7	3126.7
25°	3955.1	3917.1	3855.4	3851.2	3870.8	3852.6	3705.1	3538.1	3382.2	3257.3	3234.8
27.5°	4089.8	4047.7	4011.2	4036.5	4064.6	4044.9	3880.6	3686.9	3522.6	3396.3	3376.6
30°	4304.6	4252.7	4219.0	4249.9	4304.6	4247.1	4068.8	3863.8	3698.1	3559.1	3549.3
32.5°	4554.6	4495.6	4460.5	4509.6	4558.8	4468.9	4292.0	4095.5	3921.4	3775.3	3758.5
35°	4855.0	4780.6	4728.7	4794.6	4845.2	4756.7	4581.2	4394.5	4200.8	4049.1	4026.7
37.5°	5121.8	5031.9	4996.8	5089.5	5156.9	5099.3	4908.4	4732.9	4520.9	4355.2	4345.4
40°	5315.5	5227.1	5201.8	5354.8	5472.8	5458.7	5287.4	5086.7	4887.3	4696.4	4678.1
42.5°	5399.8	5338.0	5343.6	5550.0	5732.5	5822.4	5669.3	5454.5	5262.2	5064.2	5051.6
45°	5418.0	5380.1	5425.0	5683.4	5923.5	6107.4	5976.8	5797.1	5579.5	5388.5	5382.9
47.5°	5437.7	5416.6	5485.4	5759.2	6044.2	6257.6	6184.6	5999.3	5778.8	5592.1	5578.1
50°	5484.0	5475.6	5552.8	5812.5	6101.8	6298.3	6215.5	6031.6	5805.5	5621.6	5587.9
52.5°	5498.0	5484.0	5594.9	5895.4	6197.2	6296.9	6118.6	5878.5	5651.1	5446.1	5411.0
55°	5541.6	5516.3	5592.1	5926.3	6329.2	6378.3	6113.0	5753.6	5436.3	5156.9	5074.0
57.5°	5552.8	5524.7	5573.9	5875.7	6186.0	6142.5	5373.1	4643.0	4044.9	3734.6	3769.7
60°	5492.4	5500.8	5416.6	5382.9	4961.7	4380.5	3289.6	2629.7	2065.3	1826.6	1878.5
62.5°	4181.1	4216.2	3928.4	3415.9	2626.9	2082.1	1377.3	1069.8	905.6	863.5	870.5
65°	2110.2	2157.9	1858.9	1537.4	1142.9	923.8	798.9	773.6	765.2	755.3	755.3
67.5°	835.4	849.4	838.2	784.8	730.1	710.4	704.8	702.0	692.2	686.6	688.0
70°	671.1	682.3	665.5	631.8	609.3	607.9	605.1	599.5	592.5	592.5	596.7
72.5°	547.6	558.8	534.9	513.9	497.0	484.4	477.4	473.1	463.3	463.3	467.5
75°	402.9	410.0	390.3	387.5	369.3	356.6	345.4	339.8	327.1	321.5	325.7
77.5°	268.2	266.8	256.9	256.9	249.9	234.5	221.8	209.2	192.3	181.1	183.9
80°	174.1	174.1	169.9	169.9	162.9	150.2	134.8	122.1	112.3	103.9	103.9
82.5°	110.9	109.5	108.1	106.7	103.9	91.3	80.0	71.6	64.6	59.0	60.4
85°	61.8	61.8	59.0	59.0	53.4	46.3	40.7	35.1	30.9	29.5	29.5
87.5°	21.1	21.1	19.7	19.7	16.8	12.6	9.8	8.4	7.0	5.6	7.0
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)