

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: P637372

Luminaire Tested: GWS-SA4C-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19245.3 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

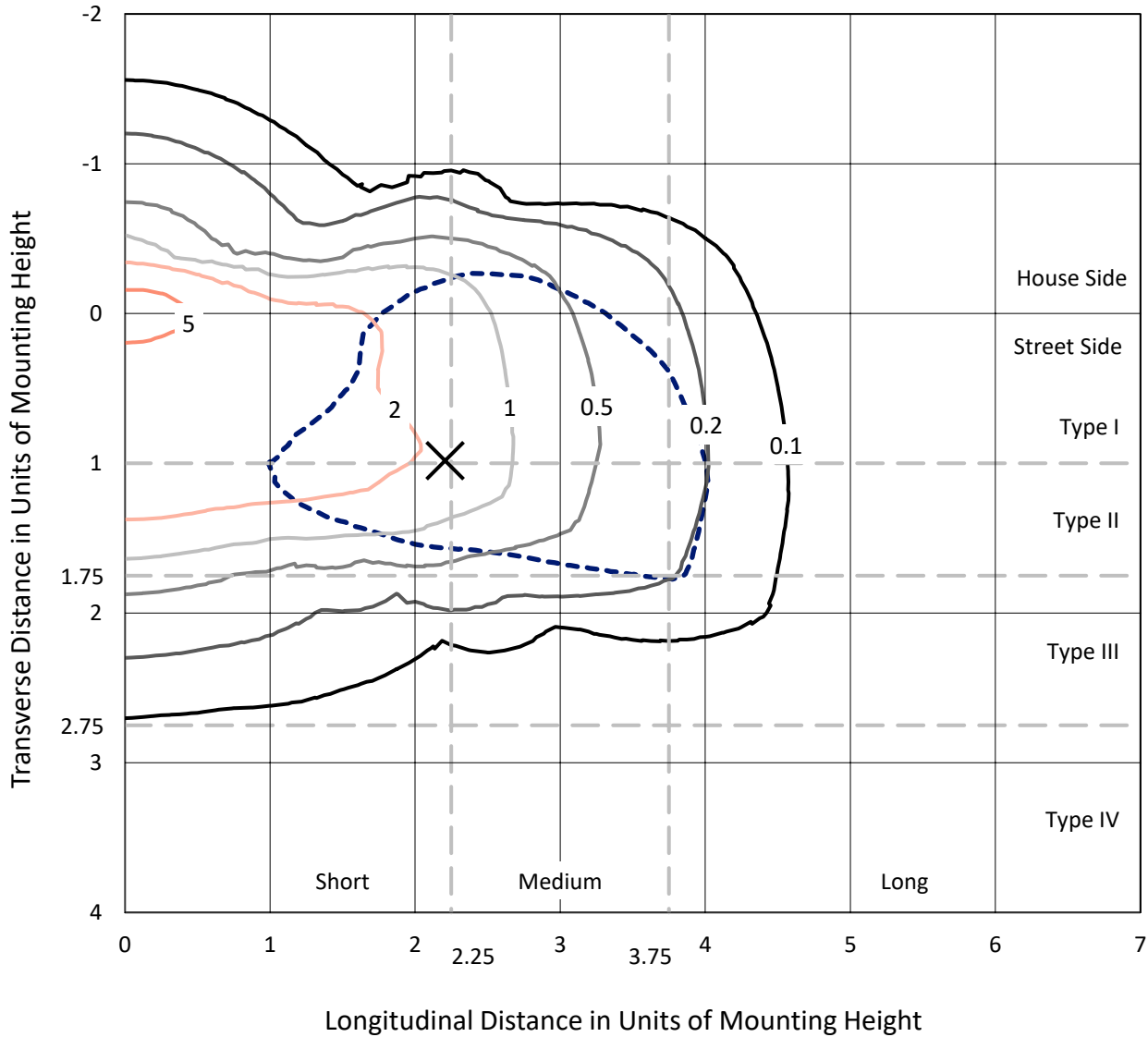
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

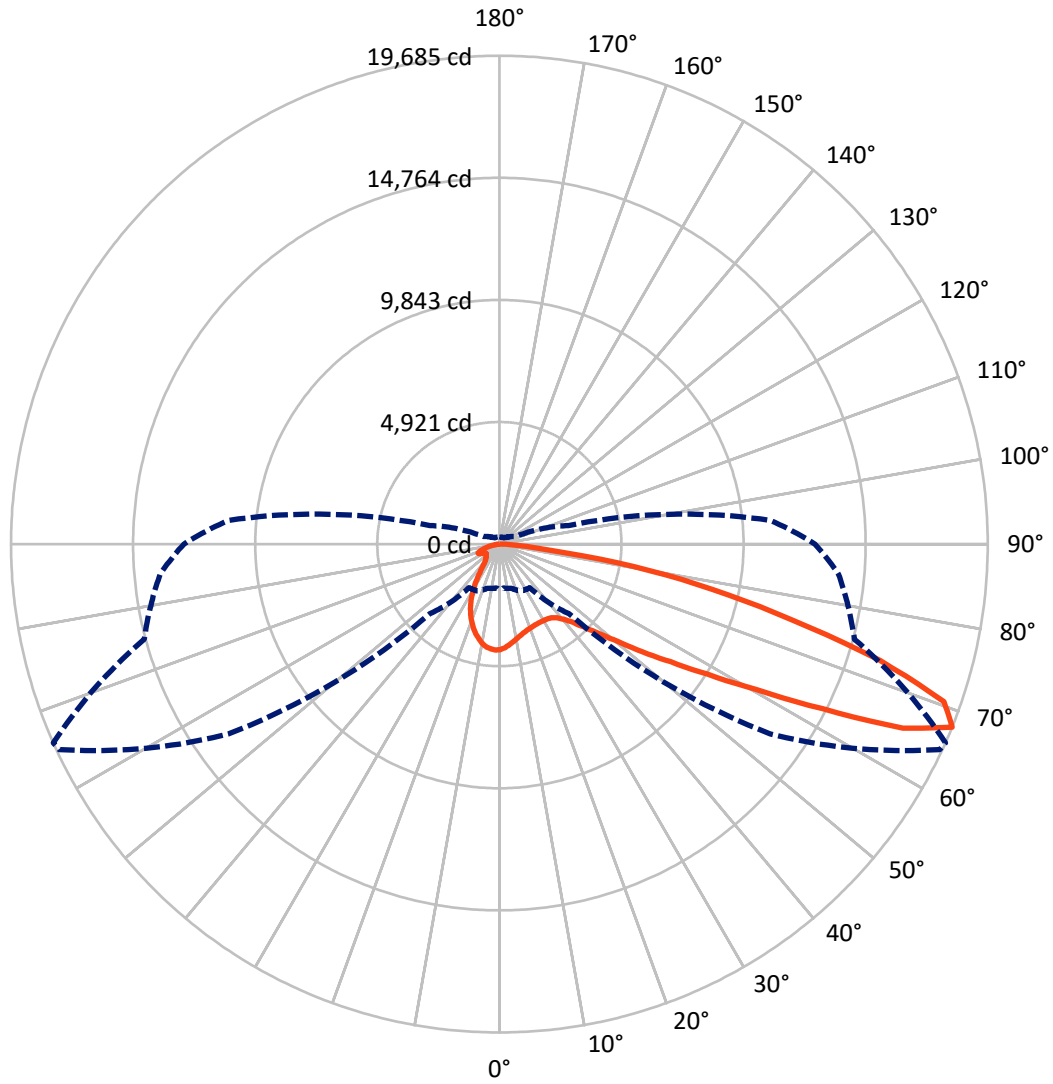
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3905.3	0.0	3905.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	15340.0	0.0	15340.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	19245.3	0.0	19245.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	1.9
10°-20°	917.2	4.8
20°-30°	1260.8	6.6
30°-40°	1723.7	9.0
40°-50°	2611.8	13.6
50°-60°	4060.2	21.1
60°-70°	4943.2	25.7
70°-80°	3011.2	15.6
80°-90°	343.9	1.8
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°	19245.3	100.0
0°-180°	19245.3	100.0

Coefficient of Utilization



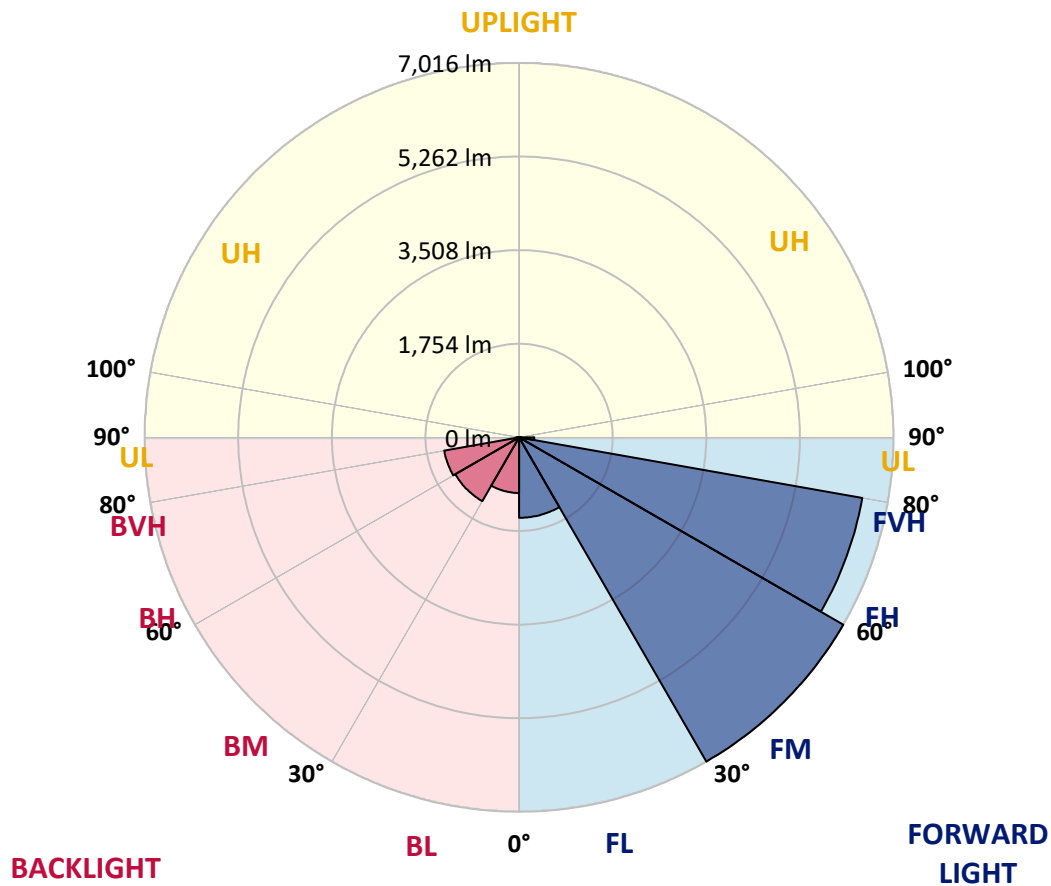
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1508.0	7.8			
FM (30°-60°)	7015.7	36.5			
FH (60°-80°)	6530.4	33.9			G3/7500
FVH (80°-90°)	286.0	1.5			G3/500
BL (0°-30°)	1043.3	5.4	B3/2500		
BM (30°-60°)	1380.1	7.2	B2/2500		
BH (60°-80°)	1423.9	7.4	B3/2500		G3/2500
BVH (80°-90°)	58.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7
2.5°	3983.1	3997.1	3988.7	4042.1	4044.9	4112.3	4150.2	4182.5	4185.3	4227.4	4255.5
5°	3710.7	3719.2	3719.2	3769.7	3803.4	3893.2	3980.3	4073.0	4080.0	4181.1	4258.3
7.5°	3490.3	3498.7	3493.1	3560.5	3604.0	3703.7	3814.6	3956.4	3970.5	4133.3	4268.1
10°	3317.6	3314.8	3328.8	3390.6	3446.8	3566.1	3689.7	3851.1	3872.2	4078.6	4279.3
12.5°	3199.7	3202.5	3210.9	3275.5	3335.9	3453.8	3581.6	3757.1	3779.5	4015.4	4273.7
15°	3143.5	3137.9	3144.9	3203.9	3261.5	3365.3	3497.3	3678.4	3700.9	3959.2	4275.1
17.5°	3130.9	3126.7	3125.3	3167.4	3210.9	3307.8	3434.1	3618.1	3641.9	3922.7	4283.6
20°	3170.2	3164.6	3149.1	3167.4	3185.6	3267.1	3389.2	3574.5	3601.2	3898.9	4300.4
22.5°	3278.3	3268.5	3244.6	3222.1	3198.3	3247.4	3361.1	3542.2	3568.9	3883.4	4317.2
25°	3442.6	3434.1	3408.9	3358.3	3271.3	3262.9	3355.5	3528.2	3554.9	3872.2	4324.3
27.5°	3668.6	3656.0	3630.7	3557.7	3415.9	3320.4	3376.6	3526.8	3552.1	3859.5	4317.2
30°	3936.8	3928.3	3914.3	3825.9	3636.3	3442.6	3424.3	3538.0	3557.7	3852.5	4303.2
32.5°	4209.1	4200.7	4211.9	4169.8	3936.8	3644.7	3528.2	3568.9	3583.0	3851.1	4290.6
35°	4449.2	4459.1	4540.5	4547.5	4318.7	3918.5	3692.5	3640.5	3643.3	3879.2	4296.2
37.5°	4700.5	4738.4	4845.1	4936.4	4745.5	4280.7	3936.8	3775.3	3772.5	3950.8	4331.3
40°	5033.3	5050.1	5186.3	5357.6	5238.3	4777.8	4283.6	3995.7	3976.1	4096.8	4425.4
42.5°	5357.6	5398.3	5615.9	5812.5	5773.2	5337.9	4720.2	4325.7	4290.6	4355.2	4619.1
45°	5770.4	5809.7	6054.0	6306.7	6378.3	5971.1	5279.0	4794.6	4759.5	4744.1	4974.3
47.5°	6183.1	6223.9	6442.9	6807.9	7059.2	6763.0	6006.2	5413.8	5356.2	5295.8	5510.6
50°	6461.1	6508.9	6718.1	7156.1	7745.8	7751.4	6868.3	6225.3	6152.3	6056.8	6266.0
52.5°	6451.3	6482.2	6681.6	7187.0	8240.0	8887.2	8022.4	7258.6	7199.6	6991.8	7174.4
55°	5944.5	5990.8	6191.6	6823.4	8293.3	9964.1	9718.4	8477.3	8372.0	7999.9	8200.7
57.5°	4926.6	4965.9	5168.1	5947.3	7820.2	10515.8	11872.1	10030.1	9885.4	9097.8	9329.5
60°	3719.2	3671.4	3766.9	4449.2	6688.6	10529.9	13773.1	12136.0	11894.5	10271.5	10465.3
62.5°	2791.1	2743.4	2764.4	2956.8	4534.9	9679.1	14856.9	15017.0	14618.3	11596.9	11559.0
65°	2205.7	2179.0	2239.4	2371.3	2643.7	7370.9	14865.4	18132.4	17881.1	13132.9	12680.8
67.5°	1797.1	1780.3	1842.0	2086.3	2143.9	3960.6	13329.4	19587.0	19685.2	14814.8	13721.1
70°	1447.5	1422.2	1519.1	1840.6	1993.7	2396.6	9548.5	18845.7	19004.3	15817.3	13427.7
72.5°	999.6	1001.0	1050.2	1491.0	1924.9	2069.5	5401.1	15692.3	16036.3	14908.9	11804.7
75°	673.9	679.5	693.6	984.2	1773.2	2007.7	2878.2	11880.5	12123.4	12322.8	9757.7
77.5°	407.2	410.0	442.3	595.3	1222.9	1874.3	1950.1	8612.0	8803.0	8123.4	6048.4
80°	235.9	245.7	275.2	398.7	825.5	1408.2	1509.3	5280.4	5496.6	3611.0	1922.1
82.5°	103.9	110.9	150.2	231.7	481.6	1197.6	1177.9	2086.3	2055.4	1006.7	666.9
85°	18.3	22.5	32.3	73.0	176.9	631.8	914.0	921.0	866.3	381.9	276.6
87.5°	0.0	0.0	0.0	0.0	0.0	4.2	137.6	247.1	245.7	108.1	95.5
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°	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7
2.5°	4273.7	4235.8	4269.5	4273.7	4266.7	4261.1	4219.0	4182.5	4178.3	4138.9	4138.9
5°	4289.2	4254.1	4270.9	4238.6	4188.1	4136.1	4046.3	3984.5	3956.4	3905.9	3905.9
7.5°	4310.2	4273.7	4254.1	4174.0	4056.1	3942.4	3797.8	3677.0	3627.9	3556.3	3553.5
10°	4329.9	4283.6	4216.2	4060.3	3872.2	3691.1	3480.5	3309.2	3192.7	3107.0	3107.0
12.5°	4328.5	4268.1	4134.7	3904.5	3644.7	3382.2	3101.4	2843.1	2688.6	2555.2	2546.8
15°	4325.7	4242.8	4030.8	3723.4	3379.4	3015.8	2633.9	2296.9	2068.1	1937.5	1926.3
17.5°	4322.9	4210.5	3914.3	3517.0	3056.5	2560.9	2056.8	1691.8	1500.9	1420.8	1423.6
20°	4322.9	4174.0	3789.4	3279.7	2684.4	2016.1	1509.3	1243.9	1196.2	1200.4	1204.6
22.5°	4310.2	4129.1	3650.4	3021.4	2270.2	1482.6	1113.4	1023.5	1048.8	1088.1	1093.7
25°	4280.7	4054.7	3488.9	2735.0	1777.4	1079.7	908.4	891.5	937.9	987.0	1001.0
27.5°	4234.4	3969.1	3307.8	2399.4	1308.5	867.7	798.9	797.5	834.0	870.5	883.1
30°	4185.3	3873.6	3116.8	2025.9	947.7	755.3	728.7	728.7	746.9	769.4	766.6
32.5°	4127.7	3776.7	2911.9	1637.0	772.2	692.2	683.7	679.5	682.3	690.8	690.8
35°	4078.6	3691.1	2701.3	1225.7	692.2	657.1	648.6	638.8	634.6	629.0	631.8
37.5°	4060.3	3623.7	2483.6	923.8	652.9	631.8	617.8	603.7	593.9	591.1	589.7
40°	4089.8	3595.6	2266.0	761.0	624.8	605.1	589.7	571.4	563.0	563.0	563.0
42.5°	4204.9	3616.7	2044.2	688.0	605.1	582.7	560.2	543.3	540.5	543.3	544.7
45°	4415.5	3698.1	1813.9	651.4	588.3	560.2	533.5	520.9	520.9	523.7	523.7
47.5°	4791.8	3911.5	1586.5	629.0	571.4	541.9	513.9	501.2	499.8	502.6	502.6
50°	5443.2	4296.2	1381.5	613.5	558.8	527.9	499.8	483.0	478.8	477.4	477.4
52.5°	6264.6	4963.1	1250.9	602.3	543.3	512.5	484.4	461.9	453.5	449.3	449.3
55°	7257.2	5851.8	1250.9	593.9	523.7	494.2	461.9	439.4	426.8	421.2	421.2
57.5°	8381.8	6886.5	1467.2	586.9	508.2	473.1	438.0	415.6	401.5	393.1	393.1
60°	9526.0	7980.2	2002.1	577.0	494.2	446.5	411.4	390.3	372.1	362.2	360.8
62.5°	10712.4	9184.9	2706.9	582.7	484.4	421.2	383.3	359.4	344.0	334.1	332.7
65°	11799.1	10331.9	3323.2	626.2	485.8	398.7	351.0	329.9	317.3	304.7	303.3
67.5°	12721.5	10965.1	2890.8	714.6	515.3	372.1	318.7	297.6	286.4	278.0	276.6
70°	12075.7	9999.2	1639.9	769.4	556.0	344.0	282.2	268.2	256.9	251.3	249.9
72.5°	10326.3	8466.0	1096.5	679.5	506.8	307.5	248.5	237.3	228.8	221.8	220.4
75°	8364.9	6713.8	838.2	557.4	394.5	249.9	213.4	205.0	196.6	189.5	188.1
77.5°	4949.0	3879.2	617.8	440.9	278.0	195.2	176.9	169.9	161.5	155.8	154.4
80°	1579.5	1347.8	391.7	303.3	183.9	150.2	136.2	130.6	122.1	115.1	113.7
82.5°	602.3	520.9	207.8	154.4	122.1	102.5	91.3	85.6	80.0	73.0	71.6
85°	266.8	249.9	115.1	82.8	66.0	50.5	44.9	42.1	35.1	29.5	28.1
87.5°	94.1	94.1	49.1	23.9	14.0	7.0	4.2	1.4	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)