

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: P633911

Luminaire Tested: GWS-SA2F-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16036.6 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

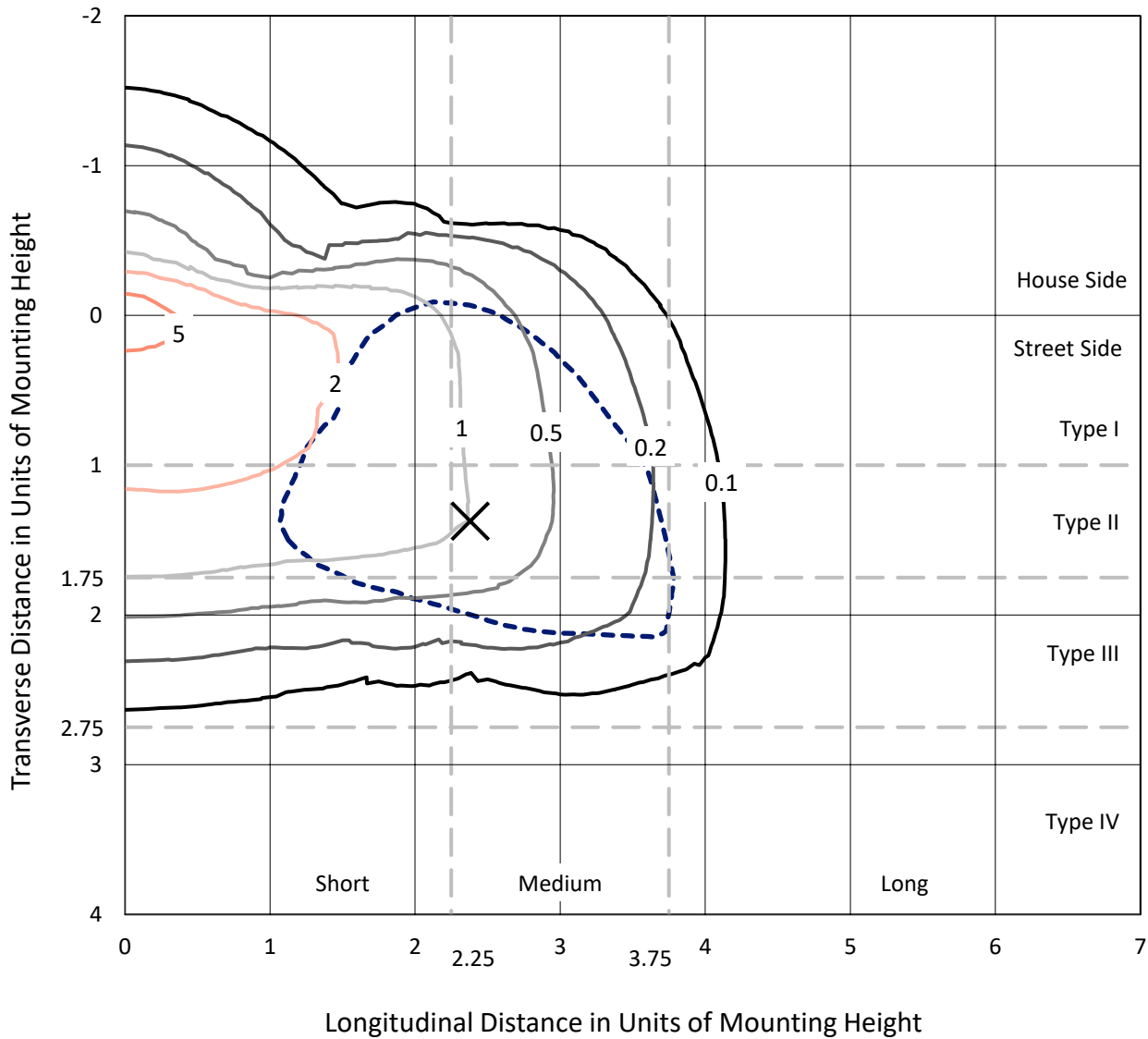
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

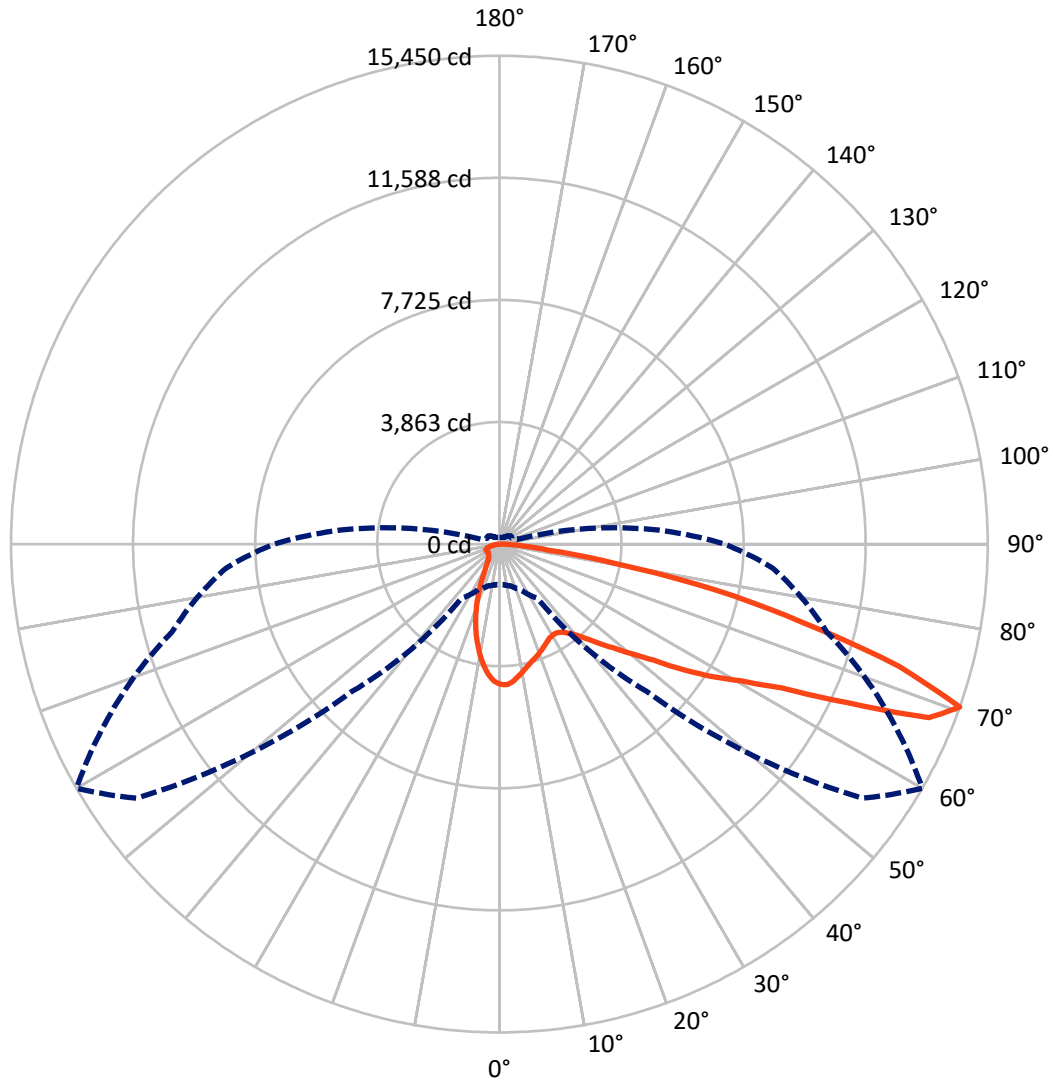
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2742.6	0.0	2742.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	13294.0	0.0	13294.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	16036.6	0.0	16036.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.5	2.4
10°-20°	856.9	5.3
20°-30°	1097.4	6.8
30°-40°	1442.3	9.0
40°-50°	2092.5	13.0
50°-60°	3264.8	20.4
60°-70°	4274.3	26.7
70°-80°	2363.5	14.7
80°-90°	262.3	1.6
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°	16036.6	100.0
0°-180°	16036.6	100.0

Coefficient of Utilization



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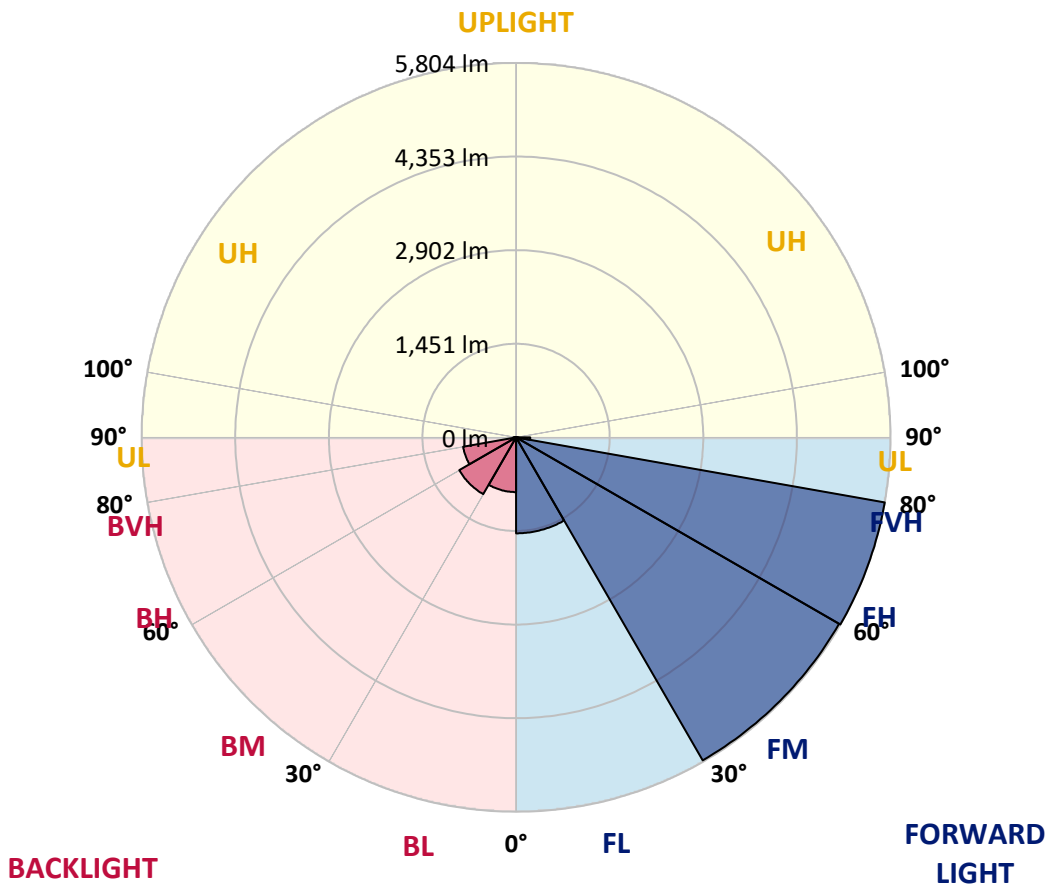
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1488.3	9.3			
FM (30°-60°)	5782.7	36.1			
FH (60°-80°)	5804.4	36.2			G3/7500
FVH (80°-90°)	218.6	1.4			G2/225
BL (0°-30°)	848.5	5.3	B2/1000		
BM (30°-60°)	1016.9	6.3	B2/2500		
BH (60°-80°)	833.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	43.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5
2.5°	4375.3	4380.0	4392.9	4411.7	4430.5	4439.9	4463.3	4456.3	4451.6	4442.2	4430.5
5°	4181.7	4191.1	4202.9	4239.2	4280.3	4313.2	4366.0	4371.8	4374.2	4378.9	4360.1
7.5°	3935.3	3937.7	3965.9	4014.0	4067.9	4124.3	4212.3	4236.9	4258.0	4281.5	4266.2
10°	3663.1	3669.0	3690.1	3759.3	3852.0	3935.3	4053.9	4094.9	4139.5	4191.1	4170.0
12.5°	3440.2	3441.4	3475.4	3549.3	3650.2	3762.9	3910.7	3960.0	4018.7	4099.6	4080.8
15°	3263.0	3263.0	3294.7	3358.1	3474.2	3606.8	3782.8	3846.2	3926.0	4035.1	4002.2
17.5°	3122.2	3123.4	3143.4	3210.2	3313.5	3460.2	3669.0	3754.7	3842.7	3987.0	3937.7
20°	3048.3	3042.4	3046.0	3087.0	3175.0	3317.0	3555.2	3654.9	3773.4	3954.1	3879.0
22.5°	3044.8	3034.2	3019.0	3022.5	3074.1	3191.5	3433.2	3554.0	3703.0	3927.1	3819.2
25°	3104.6	3092.9	3065.9	3035.4	3030.7	3101.1	3318.2	3455.5	3630.3	3915.4	3761.7
27.5°	3205.5	3197.3	3162.1	3116.4	3068.3	3065.9	3231.4	3374.5	3577.5	3927.1	3720.6
30°	3339.3	3325.2	3302.9	3244.3	3171.5	3096.4	3197.3	3331.1	3542.3	3964.7	3703.0
32.5°	3490.7	3482.4	3461.3	3402.7	3325.2	3205.5	3224.3	3340.5	3542.3	4030.4	3706.6
35°	3651.4	3650.2	3650.2	3611.5	3525.9	3376.8	3331.1	3420.3	3596.3	4136.0	3744.1
37.5°	3807.5	3806.3	3843.8	3857.9	3760.5	3599.8	3513.0	3579.8	3714.8	4292.0	3836.8
40°	3934.2	3938.9	4021.0	4091.4	4037.4	3888.4	3766.4	3800.4	3907.2	4513.8	3998.7
42.5°	4062.1	4075.0	4198.2	4322.5	4343.7	4214.6	4091.4	4111.3	4182.9	4807.1	4240.4
45°	4201.7	4207.6	4380.0	4553.7	4655.8	4579.5	4478.6	4505.6	4522.0	5169.7	4600.6
47.5°	4336.6	4351.9	4574.8	4813.0	5006.6	4999.6	4943.2	4935.0	4938.5	5610.9	5026.5
50°	4520.8	4543.1	4804.8	5092.3	5376.2	5506.4	5522.9	5460.7	5434.9	6101.3	5556.9
52.5°	4870.5	4870.5	5105.2	5387.9	5769.3	6091.9	6202.2	6100.1	6018.0	6619.9	6120.1
55°	5308.1	5326.9	5513.5	5742.3	6225.7	6707.9	7081.0	6968.4	6736.1	7184.3	6710.3
57.5°	5502.9	5526.4	5822.1	6177.6	6822.9	7408.4	7925.8	7886.0	7546.9	7771.0	7322.8
60°	5150.9	5200.2	5607.3	6203.4	7363.8	8538.3	8903.2	8787.1	8302.5	8387.0	7986.9
62.5°	4296.7	4350.7	4802.4	5634.3	7288.7	9759.8	10443.8	10015.5	9245.8	9164.9	8871.5
65°	2563.7	2561.4	3104.6	4207.6	6363.0	10098.9	12882.0	12083.0	10703.1	10232.6	9782.1
67.5°	1629.8	1626.2	1740.0	2229.3	4234.5	9268.1	14449.6	14657.2	12682.5	11017.6	9857.1
70°	1286.0	1284.8	1366.9	1589.9	2094.4	6595.3	14013.1	15450.4	13878.1	10718.4	8679.1
72.5°	937.5	939.8	1066.6	1331.7	1615.7	3311.1	11347.3	13219.9	12764.7	9461.7	7045.8
75°	673.5	677.0	753.3	1019.6	1490.1	1810.4	7545.7	9940.5	9711.7	7584.4	4847.0
77.5°	428.3	433.0	499.8	714.6	1203.8	1462.0	4574.8	7017.7	6461.5	4273.3	1723.6
80°	261.7	276.9	333.2	532.7	962.1	1097.1	2286.8	3697.2	3236.0	1172.2	579.6
82.5°	134.9	146.7	200.6	329.7	662.9	963.3	1294.2	1553.5	1002.0	490.5	308.6
85°	42.2	49.3	70.4	133.8	315.6	597.2	856.5	772.1	459.9	231.1	143.1
87.5°	10.6	10.6	11.7	11.7	12.9	27.0	165.4	174.8	122.0	72.7	58.7
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°	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5	4437.5
2.5°	4407.0	4378.9	4367.1	4366.0	4336.6	4294.4	4266.2	4246.3	4234.5	4232.2	4232.2
5°	4328.4	4292.0	4243.9	4207.6	4128.9	4049.2	3982.3	3944.7	3901.3	3895.5	3894.3
7.5°	4224.0	4171.2	4079.7	3977.6	3840.3	3707.7	3595.1	3518.8	3442.6	3428.5	3423.8
10°	4111.3	4039.8	3883.7	3704.2	3498.9	3300.6	3128.1	2993.2	2904.0	2840.6	2828.9
12.5°	3999.9	3904.8	3676.0	3408.5	3126.9	2855.9	2596.6	2376.0	2216.4	2123.7	2107.3
15°	3895.5	3762.9	3449.6	3108.2	2742.1	2371.3	2004.0	1717.8	1493.6	1413.9	1395.1
17.5°	3800.4	3635.0	3230.2	2797.2	2340.8	1856.2	1438.5	1183.9	1052.5	1012.6	1003.2
20°	3705.4	3503.6	3007.2	2469.9	1914.9	1371.6	1051.3	931.6	882.3	867.1	862.4
22.5°	3603.3	3359.2	2764.4	2147.2	1484.3	1026.7	860.1	807.3	792.0	793.2	792.0
25°	3501.2	3212.6	2509.8	1796.4	1105.3	833.1	750.9	731.0	734.5	745.1	747.4
27.5°	3416.7	3082.3	2259.8	1411.5	863.6	716.9	678.2	677.0	689.9	704.0	706.3
30°	3355.7	2966.2	2013.4	1085.3	711.0	637.1	621.9	628.9	644.2	654.7	658.2
32.5°	3312.3	2866.4	1750.6	853.0	623.0	580.8	573.8	580.8	590.2	600.7	603.1
35°	3297.1	2793.7	1492.5	695.8	563.2	539.7	535.0	538.6	543.3	549.1	551.5
37.5°	3331.1	2757.3	1222.6	605.4	526.8	512.7	505.7	503.4	504.5	506.9	508.1
40°	3432.0	2773.8	1002.0	552.6	503.4	490.5	478.7	474.0	472.9	475.2	474.0
42.5°	3605.6	2843.0	842.5	522.1	484.6	465.8	452.9	448.2	448.2	454.1	454.1
45°	3860.3	2979.1	727.5	499.8	468.2	444.7	430.6	428.3	433.0	442.3	443.5
47.5°	4233.4	3178.6	658.2	483.4	452.9	425.9	411.8	410.7	420.1	435.3	436.5
50°	4675.7	3466.0	620.7	471.7	442.3	410.7	396.6	397.8	408.3	424.7	428.3
52.5°	5208.4	3857.9	623.0	467.0	436.5	401.3	387.2	384.9	395.4	411.8	415.4
55°	5758.7	4334.3	668.8	468.2	428.3	396.6	377.8	369.6	379.0	390.7	391.9
57.5°	6364.1	4871.7	782.6	465.8	417.7	391.9	369.6	350.8	356.7	363.7	367.3
60°	7047.0	5504.1	1027.8	470.5	413.0	381.3	353.2	328.5	327.4	332.1	333.2
62.5°	7959.9	6364.1	1303.6	478.7	423.6	368.4	328.5	302.7	298.0	300.4	301.5
65°	8658.0	6774.8	1216.7	471.7	445.9	359.0	305.1	278.1	268.7	266.3	266.3
67.5°	8374.1	6231.6	847.1	452.9	456.4	360.2	286.3	252.3	240.5	234.7	233.5
70°	7125.6	5061.7	589.0	434.1	444.7	357.9	266.3	231.1	215.9	207.7	206.5
72.5°	5629.6	3864.9	476.4	396.6	403.6	322.7	237.0	207.7	194.8	184.2	184.2
75°	3623.2	2358.4	397.8	353.2	329.7	251.1	205.3	185.4	172.5	161.9	161.9
77.5°	1219.1	875.3	308.6	299.2	246.4	188.9	172.5	159.6	149.0	139.6	138.5
80°	495.1	415.4	226.5	226.5	172.5	144.3	134.9	129.1	122.0	110.3	110.3
82.5°	287.5	252.3	158.4	137.3	115.0	99.7	93.9	88.0	88.0	79.8	79.8
85°	138.5	139.6	95.0	84.5	65.7	57.5	55.1	51.6	50.5	45.8	44.6
87.5°	75.1	76.3	48.1	37.5	25.8	22.3	18.8	17.6	16.4	15.3	15.3
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)