

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: P641717

Luminaire Tested: GWS-SA6B-740-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641717
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-SA6B-740-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20806 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

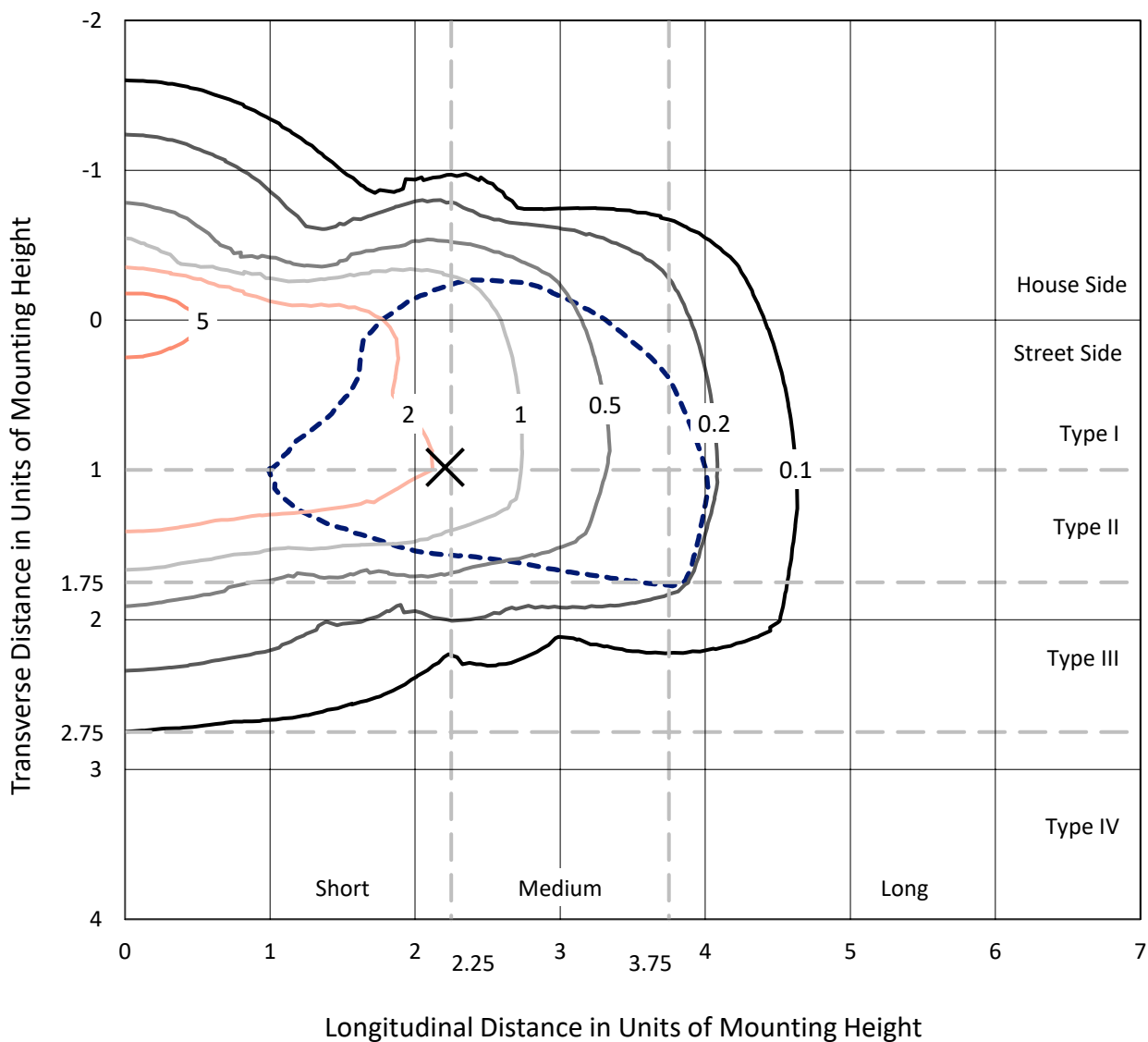
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

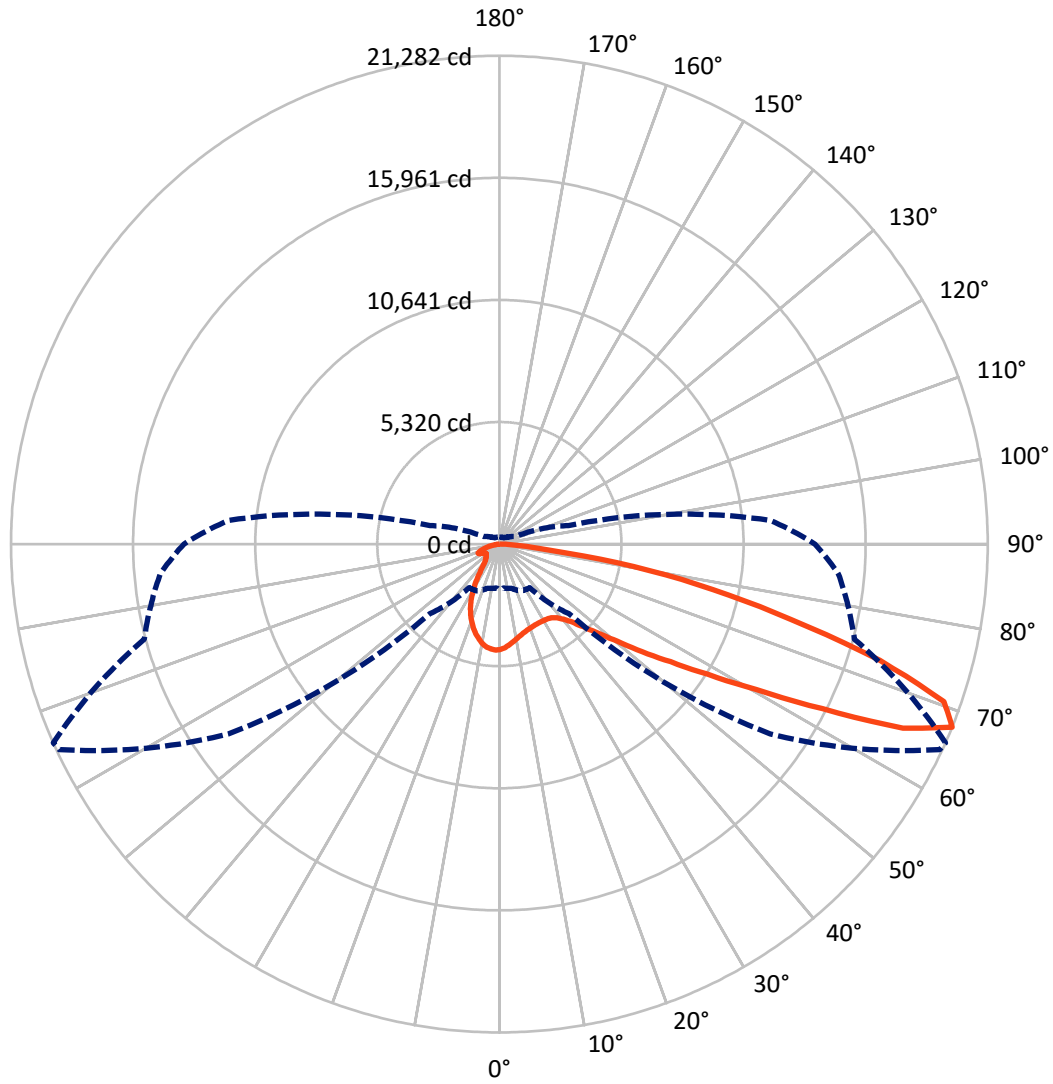
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	4222.0	0.0	4222.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	16584.0	0.0	16584.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	20806.0	0.0	20806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.5	1.9
10°-20°	991.6	4.8
20°-30°	1363.0	6.6
30°-40°	1863.5	9.0
40°-50°	2823.7	13.6
50°-60°	4389.5	21.1
60°-70°	5344.1	25.7
70°-80°	3255.4	15.6
80°-90°	371.8	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°	20806.0	100.0
0°-180°	20806.0	100.0

Coefficient of Utilization



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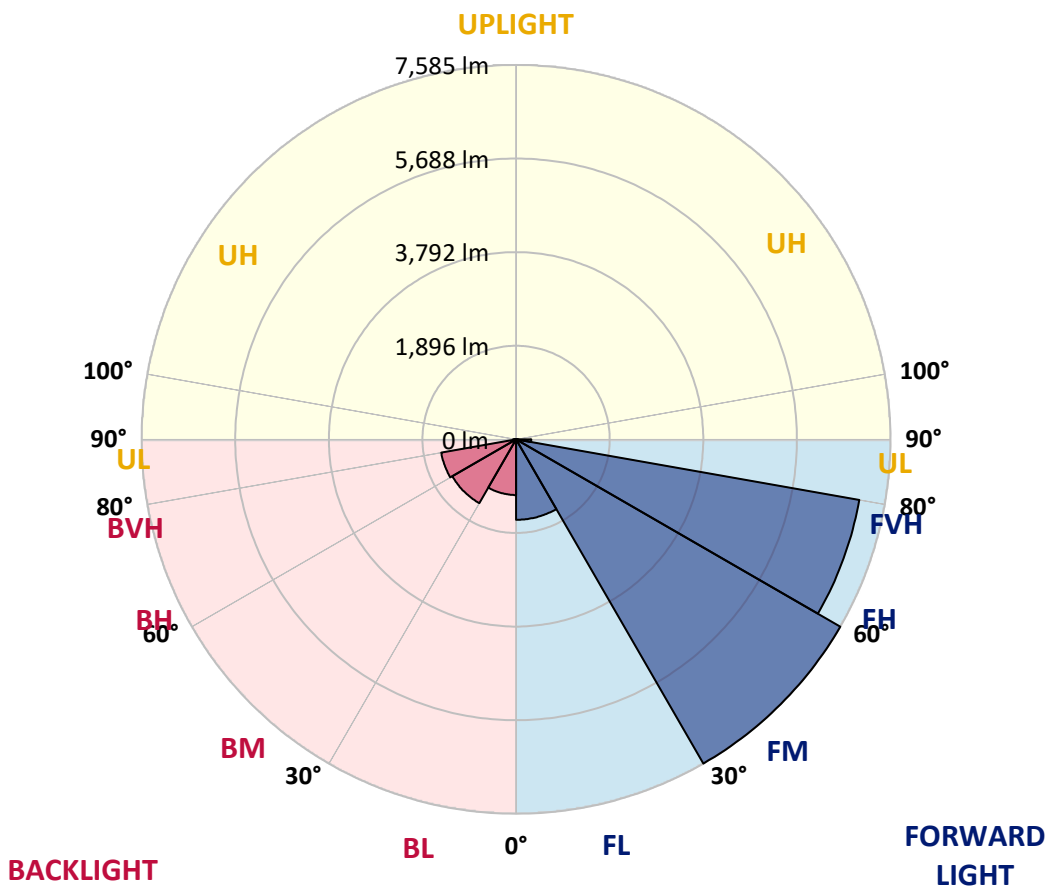
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1630.2	7.8			
FM (30°-60°)	7584.6	36.5			
FH (60°-80°)	7060.0	33.9			G3/7500
FVH (80°-90°)	309.2	1.5			G3/500
BL (0°-30°)	1127.9	5.4	B3/2500		
BM (30°-60°)	1492.0	7.2	B2/2500		
BH (60°-80°)	1539.4	7.4	B3/2500		G3/2500
BVH (80°-90°)	62.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5
2.5°	4306.1	4321.3	4312.2	4369.9	4372.9	4445.8	4486.7	4521.6	4524.7	4570.2	4600.6
5°	4011.6	4020.8	4020.8	4075.4	4111.8	4209.0	4303.1	4403.3	4410.8	4520.1	4603.6
7.5°	3773.3	3782.5	3776.4	3849.2	3896.3	4004.1	4124.0	4277.3	4292.4	4468.5	4614.2
10°	3586.7	3583.6	3598.8	3665.6	3726.3	3855.3	3988.9	4163.4	4186.2	4409.3	4626.4
12.5°	3459.2	3462.2	3471.3	3541.1	3606.4	3733.9	3872.0	4061.7	4086.0	4341.0	4620.3
15°	3398.4	3392.4	3400.0	3463.7	3525.9	3638.3	3780.9	3976.7	4001.0	4280.3	4621.8
17.5°	3384.8	3380.2	3378.7	3424.2	3471.3	3576.0	3712.6	3911.5	3937.3	4240.8	4630.9
20°	3427.3	3421.2	3404.5	3424.2	3444.0	3532.0	3664.1	3864.4	3893.3	4215.0	4649.1
22.5°	3544.2	3533.5	3507.7	3483.4	3457.6	3510.8	3633.7	3829.5	3858.3	4198.3	4667.4
25°	3721.7	3712.6	3685.3	3630.7	3536.6	3527.5	3627.6	3814.3	3843.2	4186.2	4674.9
27.5°	3966.1	3952.5	3925.1	3846.2	3692.9	3589.7	3650.4	3812.8	3840.1	4172.5	4667.4
30°	4256.0	4246.9	4231.7	4136.1	3931.2	3721.7	3702.0	3825.0	3846.2	4165.0	4652.2
32.5°	4550.5	4541.4	4553.5	4508.0	4256.0	3940.3	3814.3	3858.3	3873.5	4163.4	4638.5
35°	4810.0	4820.7	4908.7	4916.3	4668.9	4236.3	3991.9	3935.8	3938.8	4193.8	4644.6
37.5°	5081.7	5122.7	5238.1	5336.7	5130.3	4627.9	4256.0	4081.5	4078.4	4271.2	4682.5
40°	5441.5	5459.7	5606.9	5792.1	5663.1	5165.2	4630.9	4319.8	4298.5	4429.1	4784.2
42.5°	5792.1	5836.1	6071.4	6283.9	6241.4	5770.8	5103.0	4676.5	4638.5	4708.3	4993.7
45°	6238.3	6280.8	6544.9	6818.1	6895.5	6455.4	5707.1	5183.4	5145.5	5128.8	5377.7
47.5°	6684.6	6728.6	6965.4	7360.0	7631.7	7311.4	6493.3	5852.8	5790.6	5725.3	5957.5
50°	6985.1	7036.7	7262.9	7736.4	8373.9	8380.0	7425.3	6730.1	6651.2	6548.0	6774.1
52.5°	6974.5	7007.9	7223.4	7769.8	8908.2	9607.9	8672.9	7847.2	7783.5	7558.8	7756.2
55°	6426.5	6476.6	6693.7	7376.7	8965.9	10772.1	10506.5	9164.7	9050.9	8648.6	8865.7
57.5°	5326.1	5368.6	5587.2	6429.6	8454.4	11368.6	12834.8	10843.4	10687.1	9835.6	10086.0
60°	4020.8	3969.1	4072.4	4810.0	7231.0	11383.8	14890.0	13120.2	12859.1	11104.5	11314.0
62.5°	3017.5	2965.9	2988.6	3196.6	4902.6	10464.0	16061.8	16234.8	15803.7	12537.4	12496.4
65°	2384.5	2355.7	2421.0	2563.6	2858.1	7968.7	16070.9	19602.9	19331.2	14197.9	13709.1
67.5°	1942.8	1924.6	1991.4	2255.5	2317.7	4281.8	14410.4	21175.4	21281.6	16016.2	14833.8
70°	1564.9	1537.6	1642.3	1989.9	2155.3	2591.0	10322.8	20374.0	20545.5	17100.0	14516.6
72.5°	1080.7	1082.2	1135.3	1611.9	2081.0	2237.3	5839.1	16964.9	17336.8	16117.9	12762.0
75°	728.6	734.6	749.8	1064.0	1917.0	2170.5	3111.6	12844.0	13106.5	13322.1	10549.0
77.5°	440.2	443.2	478.1	643.6	1322.0	2026.3	2108.3	9310.4	9516.9	8782.2	6538.9
80°	255.0	265.6	297.5	431.1	892.5	1522.4	1631.7	5708.6	5942.3	3903.9	2077.9
82.5°	112.3	119.9	162.4	250.4	520.6	1294.7	1273.5	2255.5	2222.1	1088.3	721.0
85°	19.7	24.3	34.9	78.9	191.2	683.0	988.1	995.7	936.5	412.9	299.0
87.5°	0.0	0.0	0.0	0.0	0.0	4.6	148.7	267.1	265.6	116.9	103.2
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°	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5	4597.5
2.5°	4620.3	4579.3	4615.7	4620.3	4612.7	4606.6	4561.1	4521.6	4517.1	4474.6	4474.6
5°	4637.0	4599.1	4617.3	4582.4	4527.7	4471.6	4374.4	4307.6	4277.3	4222.6	4222.6
7.5°	4659.8	4620.3	4599.1	4512.5	4385.0	4262.1	4105.8	3975.2	3922.1	3844.7	3841.7
10°	4681.0	4630.9	4558.1	4389.6	4186.2	3990.4	3762.7	3577.5	3451.6	3359.0	3359.0
12.5°	4679.5	4614.2	4470.0	4221.1	3940.3	3656.5	3352.9	3073.6	2906.7	2762.5	2753.4
15°	4676.5	4586.9	4357.7	4025.3	3653.4	3260.3	2847.5	2483.2	2235.8	2094.6	2082.5
17.5°	4673.4	4552.0	4231.7	3802.2	3304.3	2768.5	2223.6	1829.0	1622.6	1536.1	1539.1
20°	4673.4	4512.5	4096.6	3545.7	2902.1	2179.6	1631.7	1344.8	1293.2	1297.8	1302.3
22.5°	4659.8	4464.0	3946.4	3266.4	2454.3	1602.8	1203.6	1106.5	1133.8	1176.3	1182.4
25°	4627.9	4383.5	3771.8	2956.8	1921.6	1167.2	982.0	963.8	1013.9	1067.0	1082.2
27.5°	4577.8	4290.9	3576.0	2594.0	1414.6	938.0	863.7	862.1	901.6	941.1	954.7
30°	4524.7	4187.7	3369.6	2190.2	1024.5	816.6	787.8	787.8	807.5	831.8	828.7
32.5°	4462.4	4083.0	3148.0	1769.8	834.8	748.3	739.2	734.6	737.7	746.8	746.8
35°	4409.3	3990.4	2920.3	1325.1	748.3	710.3	701.2	690.6	686.1	680.0	683.0
37.5°	4389.6	3917.5	2685.1	998.7	705.8	683.0	667.8	652.7	642.0	639.0	637.5
40°	4421.5	3887.2	2449.8	822.7	675.4	654.2	637.5	617.8	608.7	608.7	608.7
42.5°	4545.9	3910.0	2210.0	743.7	654.2	629.9	605.6	587.4	584.4	587.4	588.9
45°	4773.6	3998.0	1961.0	704.3	636.0	605.6	576.8	563.1	563.1	566.2	566.2
47.5°	5180.4	4228.7	1715.2	680.0	617.8	585.9	555.5	541.9	540.4	543.4	543.4
50°	5884.7	4644.6	1493.6	663.3	604.1	570.7	540.4	522.1	517.6	516.1	516.1
52.5°	6772.6	5365.6	1352.4	651.2	587.4	554.0	523.7	499.4	490.3	485.7	485.7
55°	7845.7	6326.4	1352.4	642.0	566.2	534.3	499.4	475.1	461.4	455.4	455.4
57.5°	9061.5	7445.0	1586.1	634.5	549.5	511.5	473.6	449.3	434.1	425.0	425.0
60°	10298.5	8627.4	2164.4	623.8	534.3	482.7	444.7	422.0	402.2	391.6	390.1
62.5°	11581.1	9929.7	2926.4	629.9	523.7	455.4	414.4	388.6	371.9	361.2	359.7
65°	12755.9	11169.8	3592.7	677.0	525.2	431.1	379.5	356.7	343.0	329.4	327.9
67.5°	13753.1	11854.3	3125.2	772.6	557.0	402.2	344.5	321.8	309.6	300.5	299.0
70°	13054.9	10810.1	1772.8	831.8	601.1	371.9	305.1	289.9	277.8	271.7	270.2
72.5°	11163.7	9152.6	1185.4	734.6	547.9	332.4	268.7	256.5	247.4	239.8	238.3
75°	9043.3	7258.3	906.2	602.6	426.5	270.2	230.7	221.6	212.5	204.9	203.4
77.5°	5350.4	4193.8	667.8	476.6	300.5	211.0	191.2	183.7	174.6	168.5	167.0
80°	1707.6	1457.1	423.5	327.9	198.8	162.4	147.2	141.2	132.1	124.5	122.9
82.5°	651.2	563.1	224.6	167.0	132.1	110.8	98.7	92.6	86.5	78.9	77.4
85°	288.4	270.2	124.5	89.6	71.3	54.6	48.6	45.5	37.9	31.9	30.4
87.5°	101.7	101.7	53.1	25.8	15.2	7.6	4.6	1.5	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)