

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: P637266

Luminaire Tested: GWS-SA4C-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637266
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-SA4C-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19019.9 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

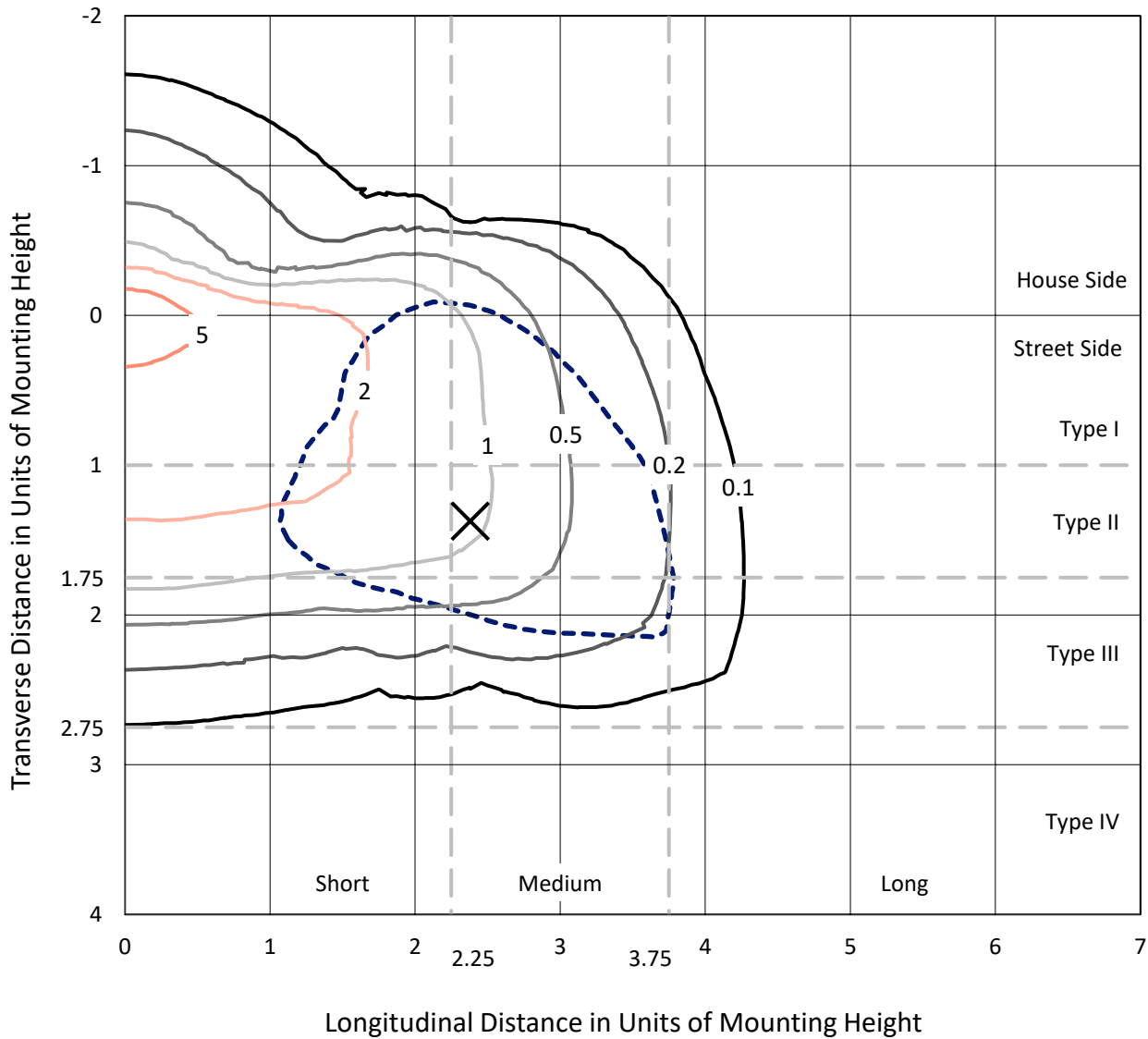
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

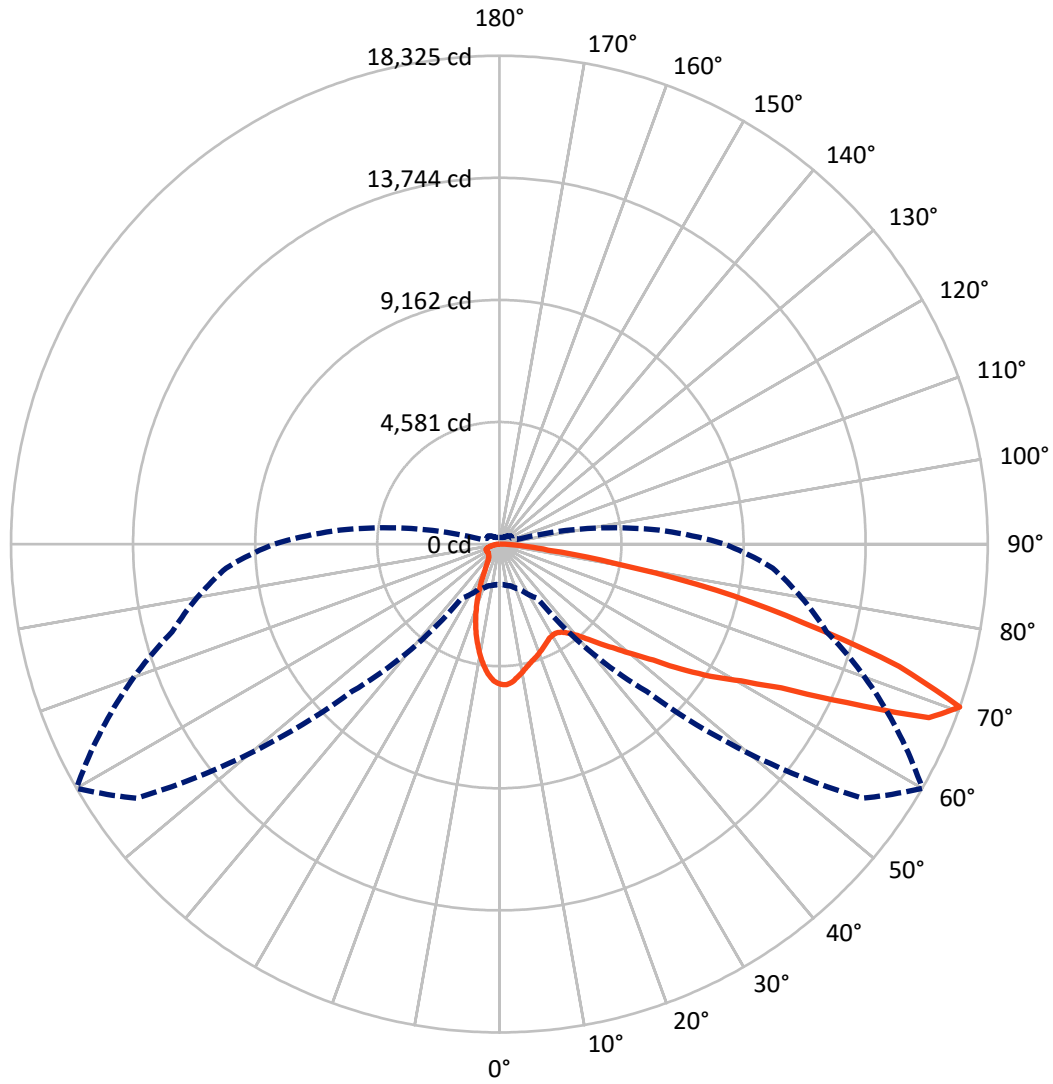
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	3252.9	0.0	3252.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	15767.0	0.0	15767.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	19019.9	0.0	19019.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.7	2.4
10°-20°	1016.3	5.3
20°-30°	1301.6	6.8
30°-40°	1710.6	9.0
40°-50°	2481.8	13.0
50°-60°	3872.2	20.4
60°-70°	5069.4	26.7
70°-80°	2803.2	14.7
80°-90°	311.1	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°	19019.9	100.0
0°-180°	19019.9	100.0

Coefficient of Utilization



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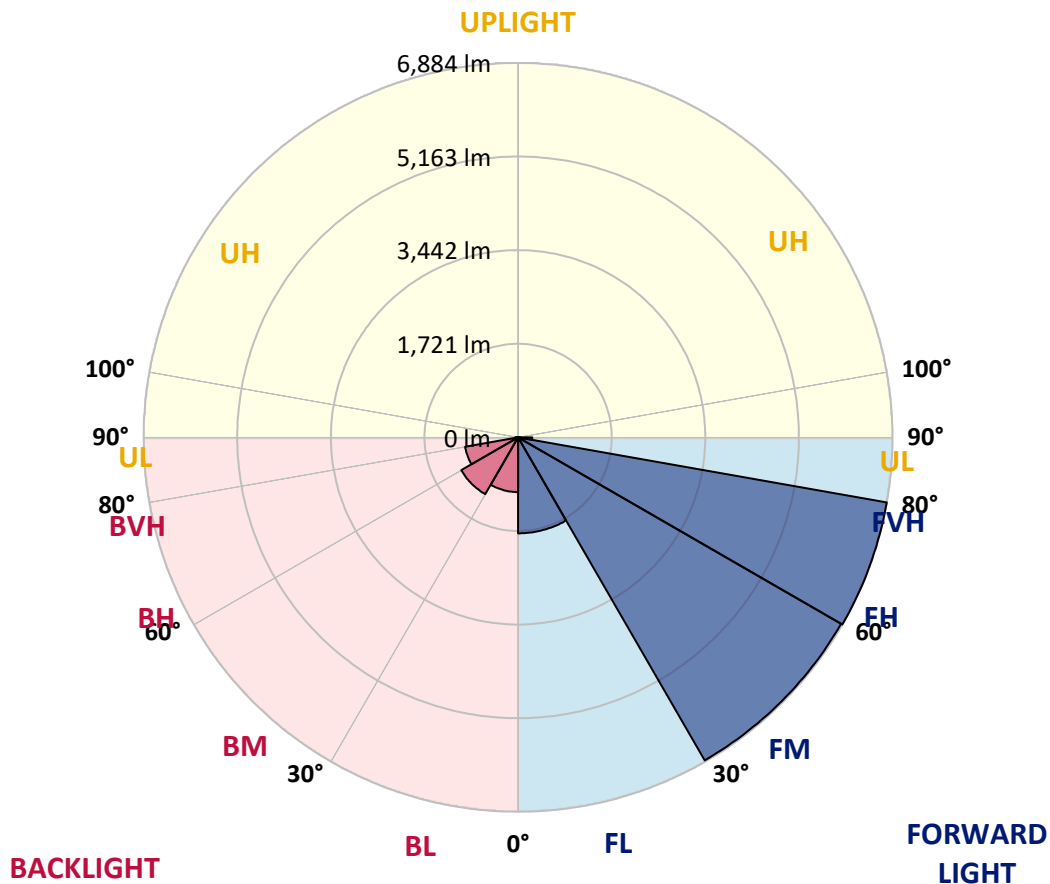
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1765.2	9.3			
FM (30°-60°)	6858.5	36.1			
FH (60°-80°)	6884.1	36.2			G3/7500
FVH (80°-90°)	259.2	1.4			G3/500
BL (0°-30°)	1006.4	5.3	B3/2500		
BM (30°-60°)	1206.1	6.3	B2/2500		
BH (60°-80°)	988.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	51.9	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1
2.5°	5189.3	5194.9	5210.2	5232.4	5254.7	5265.8	5293.7	5285.3	5279.8	5268.6	5254.7
5°	4959.7	4970.8	4984.7	5027.9	5076.6	5115.5	5178.2	5185.1	5187.9	5193.5	5171.2
7.5°	4667.4	4670.2	4703.6	4760.7	4824.7	4891.5	4995.9	5025.1	5050.1	5078.0	5059.9
10°	4344.6	4351.6	4376.6	4458.7	4568.6	4667.4	4808.0	4856.7	4909.6	4970.8	4945.8
12.5°	4080.2	4081.6	4121.9	4209.6	4329.3	4462.9	4638.2	4696.7	4766.2	4862.3	4840.0
15°	3870.1	3870.1	3907.6	3982.8	4120.5	4277.8	4486.5	4561.7	4656.3	4785.7	4746.8
17.5°	3703.1	3704.5	3728.1	3807.4	3929.9	4103.8	4351.6	4453.1	4557.5	4728.7	4670.2
20°	3615.4	3608.4	3612.6	3661.3	3765.7	3934.1	4216.6	4334.9	4475.4	4689.7	4600.6
22.5°	3611.2	3598.7	3580.6	3584.8	3646.0	3785.2	4071.8	4215.2	4391.9	4657.7	4529.7
25°	3682.2	3668.3	3636.3	3600.1	3594.5	3678.0	3935.5	4098.3	4305.6	4643.8	4461.5
27.5°	3801.9	3792.1	3750.4	3696.1	3639.0	3636.3	3832.5	4002.3	4243.0	4657.7	4412.8
30°	3960.5	3943.8	3917.4	3847.8	3761.5	3672.4	3792.1	3950.8	4201.3	4702.2	4391.9
32.5°	4140.0	4130.3	4105.2	4035.7	3943.8	3801.9	3824.1	3961.9	4201.3	4780.2	4396.1
35°	4330.7	4329.3	4329.3	4283.4	4181.8	4005.0	3950.8	4056.5	4265.3	4905.4	4440.6
37.5°	4515.8	4514.4	4558.9	4575.6	4460.1	4269.4	4166.5	4245.8	4405.8	5090.5	4550.6
40°	4666.1	4671.6	4769.0	4852.5	4788.5	4611.8	4467.1	4507.4	4634.0	5353.5	4742.6
42.5°	4817.7	4833.0	4979.2	5126.7	5151.7	4998.6	4852.5	4876.2	4961.1	5701.4	5029.3
45°	4983.3	4990.3	5194.9	5400.8	5521.9	5431.4	5311.8	5343.8	5363.2	6131.4	5456.5
47.5°	5143.4	5161.5	5425.9	5708.4	5938.0	5929.6	5862.8	5853.1	5857.3	6654.7	5961.6
50°	5361.9	5388.3	5698.6	6039.6	6376.3	6530.8	6550.3	6476.5	6445.9	7236.3	6590.6
52.5°	5776.6	5776.6	6054.9	6390.3	6842.5	7225.2	7356.0	7235.0	7137.5	7851.4	7258.6
55°	6295.6	6317.9	6539.2	6810.5	7383.9	7955.8	8398.3	8264.7	7989.2	8520.8	7958.6
57.5°	6526.6	6554.5	6905.1	7326.8	8092.2	8786.6	9400.3	9353.0	8950.8	9216.6	8685.0
60°	6109.1	6167.6	6650.5	7357.4	8733.7	10126.7	10559.5	10421.7	9847.0	9947.2	9472.7
62.5°	5096.1	5160.1	5695.8	6682.5	8644.7	11575.4	12386.7	11878.7	10965.9	10869.8	10521.9
65°	3040.7	3037.9	3682.2	4990.3	7546.7	11977.5	15278.4	14330.8	12694.2	12136.2	11601.8
67.5°	1932.9	1928.8	2063.8	2644.1	5022.3	10992.3	17137.6	17383.9	15041.9	13067.2	11690.9
70°	1525.2	1523.8	1621.2	1885.6	2484.0	7822.2	16619.9	18324.7	16459.9	12712.3	10293.7
72.5°	1111.9	1114.7	1265.0	1579.5	1916.2	3927.1	13458.2	15679.2	15139.3	11221.9	8356.6
75°	798.8	803.0	893.4	1209.3	1767.3	2147.2	8949.4	11789.7	11518.3	8995.3	5748.7
77.5°	507.9	513.5	592.8	847.5	1427.8	1733.9	5425.9	8323.2	7663.6	5068.2	2044.3
80°	310.3	328.4	395.2	631.8	1141.1	1301.2	2712.2	4384.9	3838.0	1390.2	687.5
82.5°	160.0	174.0	238.0	391.0	786.3	1142.5	1534.9	1842.5	1188.4	581.7	366.0
85°	50.1	58.4	83.5	158.6	374.3	708.3	1015.9	915.7	545.5	274.1	169.8
87.5°	12.5	12.5	13.9	13.9	15.3	32.0	196.2	207.3	144.7	86.3	69.6
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°	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1	5263.1
2.5°	5226.9	5193.5	5179.6	5178.2	5143.4	5093.3	5059.9	5036.2	5022.3	5019.5	5019.5
5°	5133.6	5090.5	5033.4	4990.3	4897.1	4802.4	4723.1	4678.6	4627.1	4620.1	4618.7
7.5°	5009.8	4947.2	4838.6	4717.5	4554.7	4397.5	4263.9	4173.4	4083.0	4066.3	4060.7
10°	4876.2	4791.3	4606.2	4393.3	4149.8	3914.6	3710.0	3550.0	3444.2	3369.1	3355.2
12.5°	4744.0	4631.3	4359.9	4042.6	3708.6	3387.2	3079.6	2818.0	2628.7	2518.8	2499.3
15°	4620.1	4462.9	4091.3	3686.4	3252.2	2812.4	2376.9	2037.3	1771.5	1676.9	1654.6
17.5°	4507.4	4311.2	3831.1	3317.6	2776.3	2201.5	1706.1	1404.1	1248.3	1201.0	1189.8
20°	4394.7	4155.3	3566.7	2929.3	2271.1	1626.8	1246.9	1104.9	1046.5	1028.4	1022.8
22.5°	4273.6	3984.2	3278.6	2546.6	1760.4	1217.7	1020.0	957.4	939.3	940.7	939.3
25°	4152.6	3810.2	2976.6	2130.5	1310.9	988.0	890.6	867.0	871.1	883.7	886.5
27.5°	4052.4	3655.7	2680.2	1674.1	1024.2	850.3	804.3	803.0	818.3	835.0	837.7
30°	3980.0	3518.0	2388.0	1287.2	843.3	755.6	737.6	745.9	764.0	776.5	780.7
32.5°	3928.5	3399.7	2076.3	1011.7	738.9	688.8	680.5	688.8	700.0	712.5	715.3
35°	3910.4	3313.4	1770.1	825.2	668.0	640.1	634.6	638.7	644.3	651.3	654.1
37.5°	3950.8	3270.3	1450.1	718.1	624.8	608.1	599.8	597.0	598.4	601.2	602.6
40°	4070.4	3289.8	1188.4	655.4	597.0	581.7	567.8	562.2	560.8	563.6	562.2
42.5°	4276.4	3371.9	999.2	619.3	574.7	552.5	537.2	531.6	531.6	538.6	538.6
45°	4578.4	3533.3	862.8	592.8	555.3	527.4	510.7	507.9	513.5	524.6	526.0
47.5°	5020.9	3769.9	780.7	573.3	537.2	505.2	488.5	487.1	498.2	516.3	517.7
50°	5545.5	4110.8	736.2	559.4	524.6	487.1	470.4	471.8	484.3	503.8	507.9
52.5°	6177.3	4575.6	738.9	553.9	517.7	475.9	459.2	456.4	469.0	488.5	492.6
55°	6830.0	5140.6	793.2	555.3	507.9	470.4	448.1	438.4	449.5	463.4	464.8
57.5°	7548.1	5777.9	928.2	552.5	495.4	464.8	438.4	416.1	423.0	431.4	435.6
60°	8358.0	6528.0	1219.0	558.0	489.8	452.3	418.9	389.6	388.3	393.8	395.2
62.5°	9440.7	7548.1	1546.1	567.8	502.4	437.0	389.6	359.0	353.5	356.3	357.6
65°	10268.7	8035.1	1443.1	559.4	528.8	425.8	361.8	329.8	318.7	315.9	315.9
67.5°	9931.9	7390.8	1004.7	537.2	541.3	427.2	339.6	299.2	285.3	278.3	276.9
70°	8451.2	6003.4	698.6	514.9	527.4	424.4	315.9	274.1	256.1	246.3	244.9
72.5°	6676.9	4583.9	565.0	470.4	478.7	382.7	281.1	246.3	231.0	218.5	218.5
75°	4297.3	2797.1	471.8	418.9	391.0	297.8	243.5	219.9	204.6	192.0	192.0
77.5°	1445.9	1038.1	366.0	354.9	292.2	224.0	204.6	189.3	176.7	165.6	164.2
80°	587.3	492.6	268.6	268.6	204.6	171.2	160.0	153.1	144.7	130.8	130.8
82.5°	340.9	299.2	187.9	162.8	136.4	118.3	111.3	104.4	104.4	94.6	94.6
85°	164.2	165.6	112.7	100.2	77.9	68.2	65.4	61.2	59.8	54.3	52.9
87.5°	89.1	90.5	57.1	44.5	30.6	26.4	22.3	20.9	19.5	18.1	18.1
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)