

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: P636056

Luminaire Tested: GWS-SA3F-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636056
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-SA3F-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17646.7 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

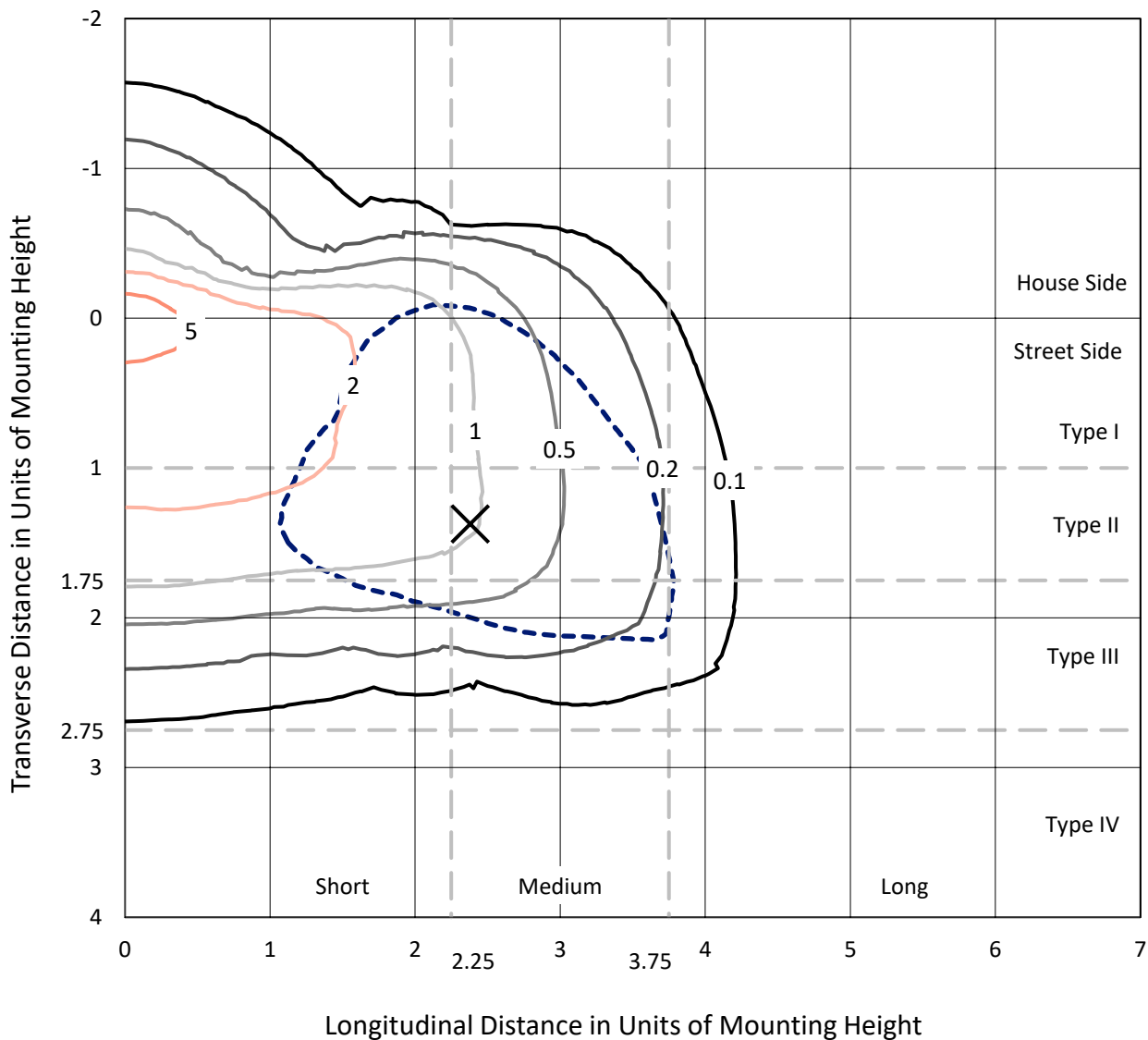
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

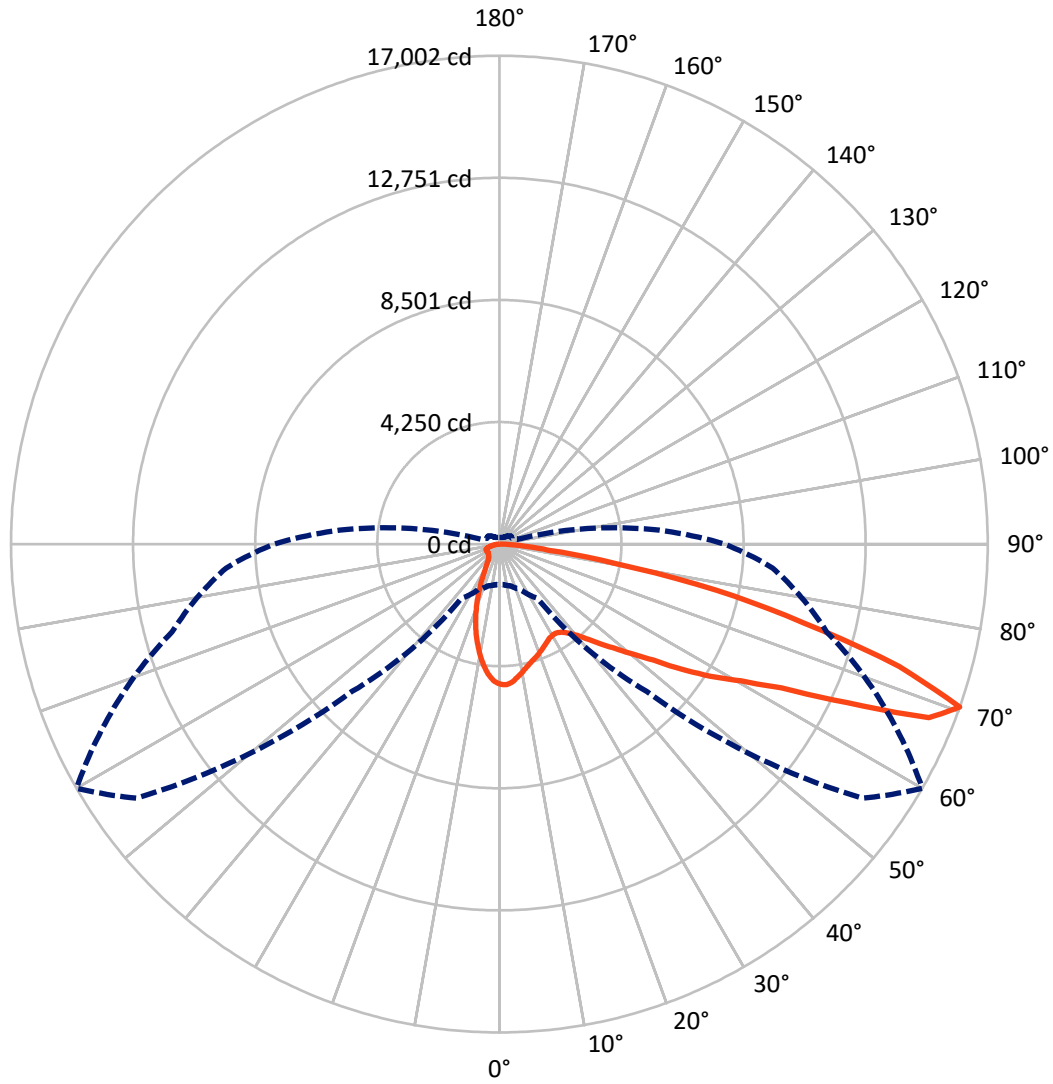
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	3018.0	0.0	3018.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	14628.7	0.0	14628.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	17646.7	0.0	17646.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.9	2.4
10°-20°	943.0	5.3
20°-30°	1207.6	6.8
30°-40°	1587.1	9.0
40°-50°	2302.6	13.0
50°-60°	3592.6	20.4
60°-70°	4703.4	26.7
70°-80°	2600.8	14.7
80°-90°	288.6	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°	17646.7	100.0
0°-180°	17646.7	100.0

Coefficient of Utilization



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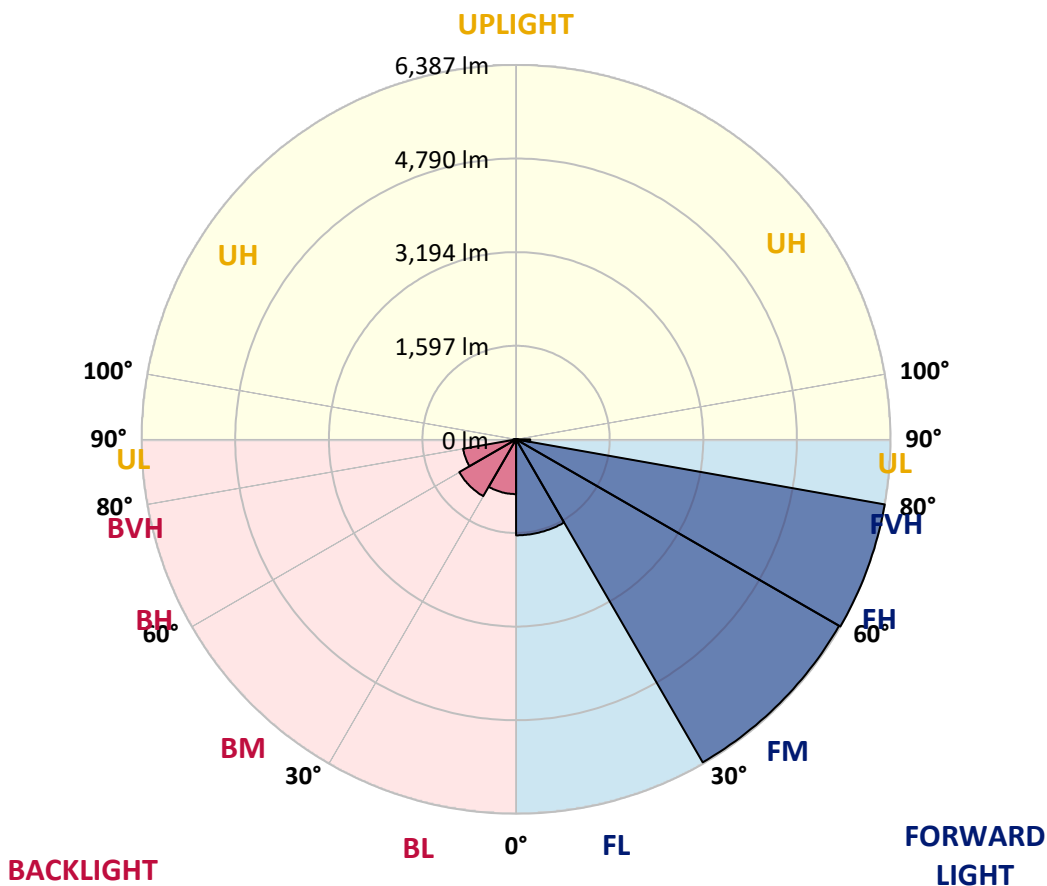
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1637.7	9.3			
FM (30°-60°)	6363.3	36.1			
FH (60°-80°)	6387.1	36.2			G3/7500
FVH (80°-90°)	240.5	1.4			G3/500
BL (0°-30°)	933.7	5.3	B2/1000		
BM (30°-60°)	1119.0	6.3	B2/2500		
BH (60°-80°)	917.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	48.1	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°	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1
2.5°	4814.6	4819.8	4834.0	4854.7	4875.3	4885.7	4911.5	4903.7	4898.6	4888.2	4875.3
5°	4601.6	4611.9	4624.8	4664.9	4710.1	4746.2	4804.3	4810.8	4813.3	4818.5	4797.9
7.5°	4330.5	4333.0	4364.0	4417.0	4476.4	4538.3	4635.2	4662.3	4685.5	4711.3	4694.6
10°	4030.9	4037.4	4060.6	4136.8	4238.8	4330.5	4460.9	4506.1	4555.1	4611.9	4588.7
12.5°	3785.6	3786.9	3824.3	3905.7	4016.7	4140.7	4303.4	4357.6	4422.1	4511.2	4490.6
15°	3590.6	3590.6	3625.5	3695.2	3823.0	3968.9	4162.6	4232.3	4320.1	4440.2	4404.1
17.5°	3435.7	3437.0	3458.9	3532.5	3646.2	3807.6	4037.4	4131.6	4228.5	4387.3	4333.0
20°	3354.4	3347.9	3351.8	3397.0	3493.8	3650.0	3912.1	4021.9	4152.3	4351.1	4268.5
22.5°	3350.5	3338.9	3322.1	3326.0	3382.8	3511.9	3777.9	3910.8	4074.8	4321.4	4202.6
25°	3416.3	3403.4	3373.7	3340.2	3335.0	3412.5	3651.3	3802.4	3994.8	4308.5	4139.4
27.5°	3527.4	3518.3	3479.6	3429.3	3376.3	3373.7	3555.8	3713.3	3936.7	4321.4	4094.2
30°	3674.6	3659.1	3634.5	3570.0	3489.9	3407.3	3518.3	3665.5	3897.9	4362.7	4074.8
32.5°	3841.1	3832.1	3808.8	3744.3	3659.1	3527.4	3548.0	3675.9	3897.9	4435.0	4078.7
35°	4018.0	4016.7	4016.7	3974.1	3879.9	3715.9	3665.5	3763.7	3957.3	4551.2	4120.0
37.5°	4189.7	4188.4	4229.8	4245.2	4138.1	3961.2	3865.7	3939.3	4087.7	4723.0	4222.0
40°	4329.2	4334.3	4424.7	4502.2	4442.8	4278.8	4144.5	4182.0	4299.5	4967.0	4400.2
42.5°	4469.9	4484.1	4619.7	4756.5	4779.8	4637.8	4502.2	4524.1	4602.9	5289.8	4666.2
45°	4623.6	4630.0	4819.8	5010.9	5123.2	5039.3	4928.3	4958.0	4976.0	5688.7	5062.5
47.5°	4772.0	4788.8	5034.1	5296.2	5509.3	5501.5	5439.5	5430.5	5434.4	6174.2	5531.2
50°	4974.7	4999.3	5287.2	5603.5	5916.0	6059.3	6077.4	6008.9	5980.5	6713.9	6114.8
52.5°	5359.5	5359.5	5617.7	5928.9	6348.5	6703.6	6824.9	6712.6	6622.2	7284.6	6734.6
55°	5841.1	5861.8	6067.0	6318.8	6850.8	7381.4	7792.0	7668.0	7412.4	7905.6	7384.0
57.5°	6055.4	6081.2	6406.6	6797.8	7507.9	8152.2	8721.6	8677.7	8304.6	8551.2	8058.0
60°	5668.1	5722.3	6170.3	6826.2	8103.2	9395.6	9797.1	9669.3	9136.1	9229.0	8788.8
62.5°	4728.1	4787.5	5284.6	6200.0	8020.5	10739.7	11492.4	11021.1	10174.1	10085.1	9762.3
65°	2821.1	2818.5	3416.3	4630.0	7001.8	11112.8	14175.4	13296.1	11777.7	11260.0	10764.2
67.5°	1793.4	1789.5	1914.8	2453.2	4659.7	10198.7	15900.3	16128.9	13955.9	12123.8	10846.8
70°	1415.1	1413.8	1504.2	1749.5	2304.7	7257.5	15420.0	17001.7	15271.5	11794.5	9550.5
72.5°	1031.6	1034.2	1173.6	1465.4	1777.9	3643.6	12486.6	14547.2	14046.3	10411.7	7753.3
75°	741.1	745.0	828.9	1122.0	1639.7	1992.2	8303.3	10938.5	10686.7	8345.9	5333.7
77.5°	471.3	476.4	550.0	786.3	1324.7	1608.8	5034.1	7722.3	7110.3	4702.3	1896.7
80°	287.9	304.7	366.7	586.2	1058.7	1207.2	2516.4	4068.4	3560.9	1289.8	637.8
82.5°	148.5	161.4	220.8	362.8	729.5	1060.0	1424.1	1709.5	1102.6	539.7	339.6
85°	46.5	54.2	77.5	147.2	347.3	657.2	942.5	849.6	506.1	254.4	157.5
87.5°	11.6	11.6	12.9	12.9	14.2	29.7	182.0	192.4	134.3	80.1	64.6
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°	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1	4883.1
2.5°	4849.5	4818.5	4805.6	4804.3	4772.0	4725.6	4694.6	4672.6	4659.7	4657.1	4657.1
5°	4763.0	4723.0	4670.0	4630.0	4543.5	4455.7	4382.1	4340.8	4293.0	4286.6	4285.3
7.5°	4648.1	4590.0	4489.3	4376.9	4225.9	4080.0	3956.0	3872.1	3788.2	3772.7	3767.5
10°	4524.1	4445.4	4273.7	4076.1	3850.2	3632.0	3442.2	3293.7	3195.6	3125.8	3112.9
12.5°	4401.5	4296.9	4045.1	3750.7	3440.9	3142.6	2857.3	2614.5	2439.0	2337.0	2318.9
15°	4286.6	4140.7	3795.9	3420.2	3017.4	2609.4	2205.3	1890.2	1643.6	1555.8	1535.2
17.5°	4182.0	3999.9	3554.5	3078.1	2575.8	2042.6	1582.9	1302.8	1158.1	1114.2	1103.9
20°	4077.4	3855.3	3309.2	2717.8	2107.1	1509.3	1156.9	1025.2	970.9	954.1	949.0
22.5°	3965.1	3696.5	3041.9	2362.8	1633.3	1129.7	946.4	888.3	871.5	872.8	871.5
25°	3852.7	3535.1	2761.7	1976.7	1216.2	916.7	826.3	804.4	808.3	819.9	822.5
27.5°	3759.8	3391.8	2486.7	1553.2	950.3	788.9	746.3	745.0	759.2	774.7	777.3
30°	3692.6	3264.0	2215.6	1194.3	782.4	701.1	684.3	692.0	708.8	720.5	724.3
32.5°	3644.9	3154.2	1926.4	938.7	685.6	639.1	631.4	639.1	649.4	661.1	663.6
35°	3628.1	3074.2	1642.3	765.6	619.7	593.9	588.8	592.6	597.8	604.3	606.8
37.5°	3665.5	3034.2	1345.4	666.2	579.7	564.2	556.5	553.9	555.2	557.8	559.1
40°	3776.6	3052.2	1102.6	608.1	553.9	539.7	526.8	521.6	520.3	522.9	521.6
42.5°	3967.7	3128.4	927.0	574.6	533.2	512.6	498.4	493.2	493.2	499.7	499.7
45°	4247.8	3278.2	800.5	550.0	515.2	489.3	473.8	471.3	476.4	486.8	488.0
47.5°	4658.4	3497.7	724.3	531.9	498.4	468.7	453.2	451.9	462.2	479.0	480.3
50°	5145.2	3814.0	683.0	519.0	486.8	451.9	436.4	437.7	449.3	467.4	471.3
52.5°	5731.3	4245.2	685.6	513.9	480.3	441.6	426.1	423.5	435.1	453.2	457.1
55°	6336.9	4769.5	735.9	515.2	471.3	436.4	415.7	406.7	417.0	429.9	431.2
57.5°	7003.1	5360.8	861.2	512.6	459.6	431.2	406.7	386.0	392.5	400.3	404.1
60°	7754.6	6056.7	1131.0	517.7	454.5	419.6	388.6	361.5	360.2	365.4	366.7
62.5°	8759.1	7003.1	1434.5	526.8	466.1	405.4	361.5	333.1	327.9	330.5	331.8
65°	9527.3	7455.0	1338.9	519.0	490.6	395.1	335.7	306.0	295.7	293.1	293.1
67.5°	9214.8	6857.2	932.2	498.4	502.3	396.4	315.0	277.6	264.7	258.2	256.9
70°	7841.1	5570.0	648.1	477.7	489.3	393.8	293.1	254.4	237.6	228.5	227.2
72.5°	6194.9	4253.0	524.2	436.4	444.2	355.1	260.8	228.5	214.3	202.7	202.7
75°	3987.0	2595.2	437.7	388.6	362.8	276.3	225.9	204.0	189.8	178.2	178.2
77.5°	1341.5	963.2	339.6	329.2	271.1	207.9	189.8	175.6	164.0	153.6	152.4
80°	544.9	457.1	249.2	249.2	189.8	158.8	148.5	142.0	134.3	121.4	121.4
82.5°	316.3	277.6	174.3	151.1	126.5	109.7	103.3	96.8	96.8	87.8	87.8
85°	152.4	153.6	104.6	93.0	72.3	63.3	60.7	56.8	55.5	50.4	49.1
87.5°	82.6	83.9	52.9	41.3	28.4	24.5	20.7	19.4	18.1	16.8	16.8
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)