

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: P639846

Luminaire Tested: GWS-SA5C-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19044.5 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

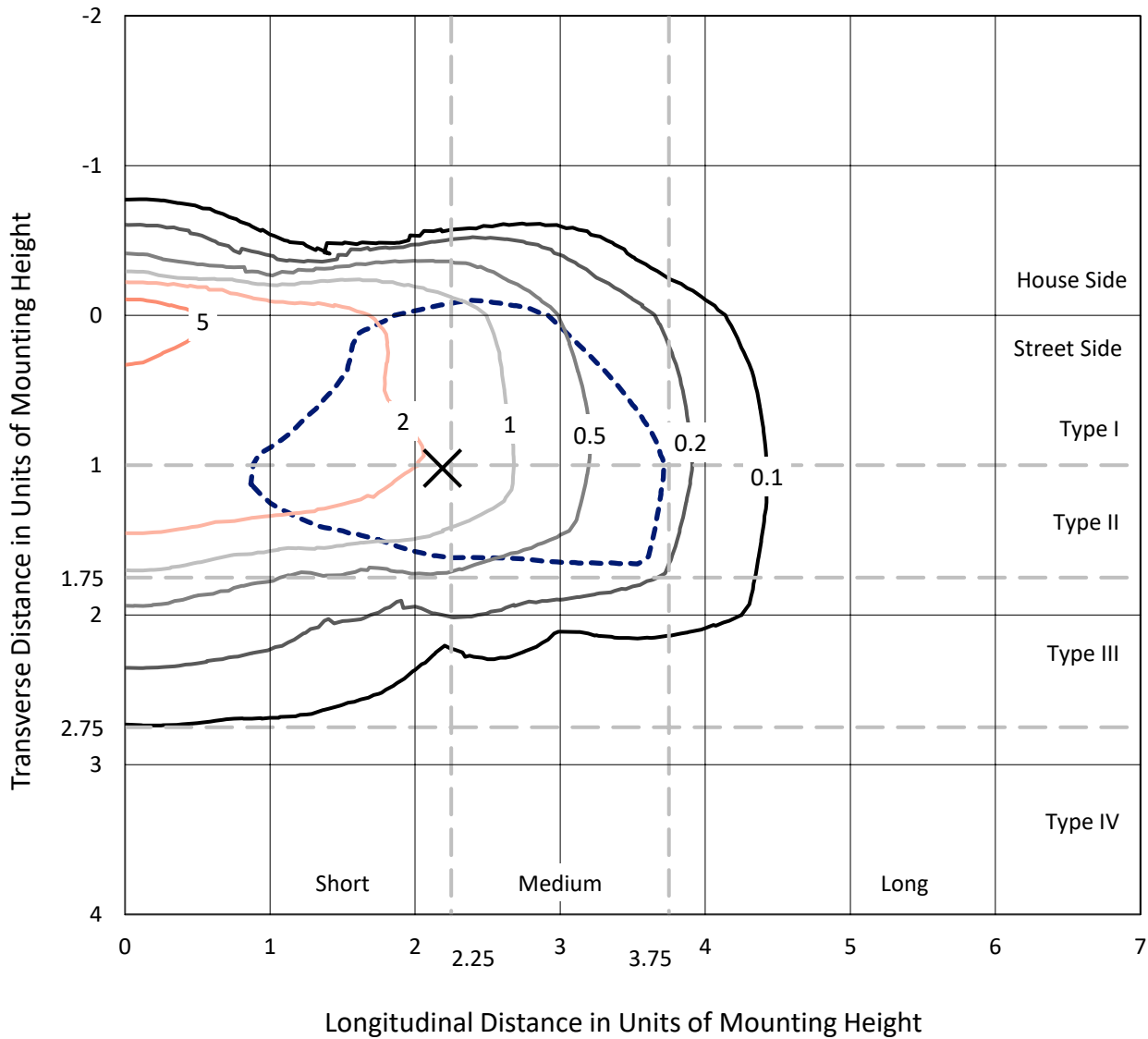
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

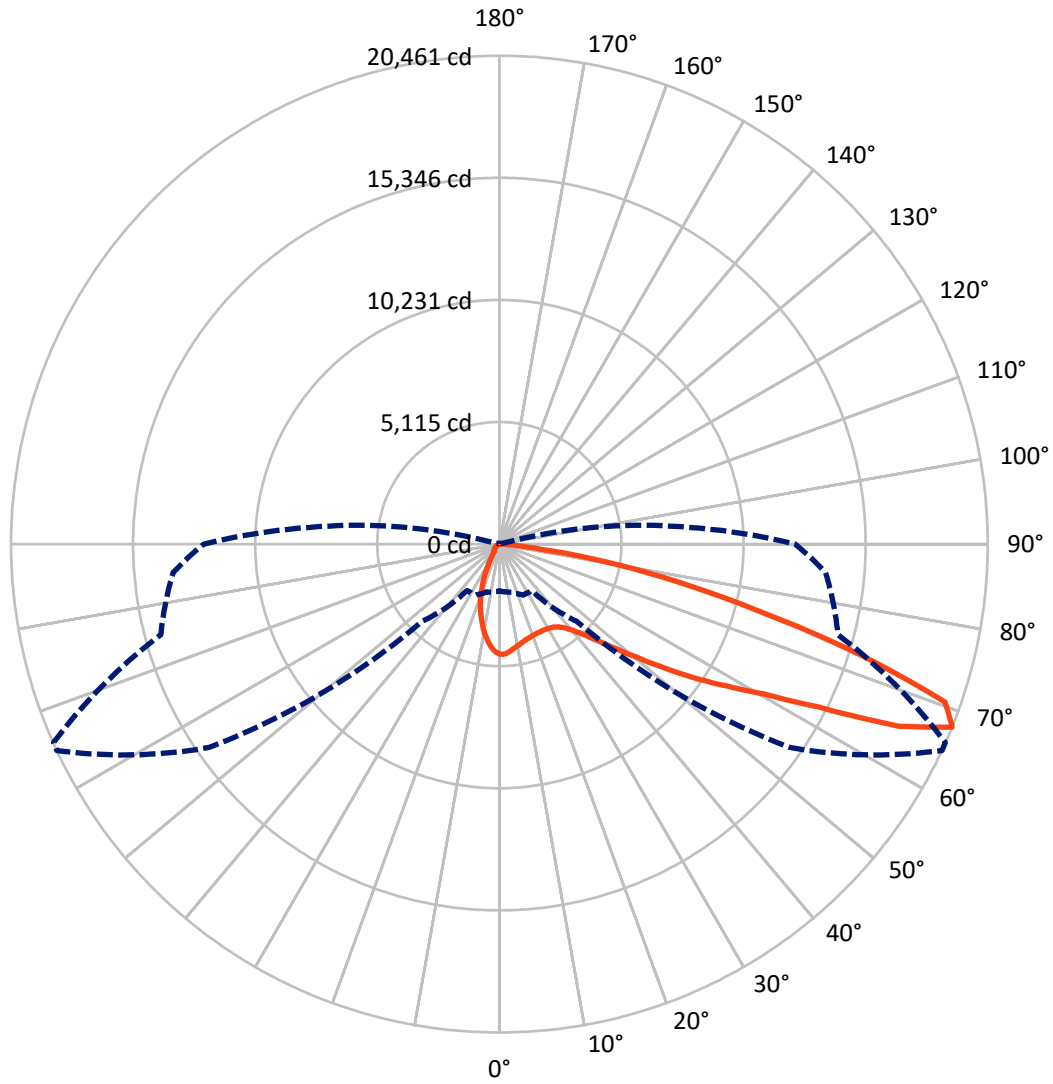
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2378.1	0.0	2378.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	16666.4	0.0	16666.4
	% Fixture	87.5	0.0	87.5
Total	Lumens	19044.5	0.0	19044.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.6	2.0
10°-20°	862.4	4.5
20°-30°	1232.3	6.5
30°-40°	1792.8	9.4
40°-50°	2807.8	14.7
50°-60°	4380.3	23.0
60°-70°	4811.5	25.3
70°-80°	2560.7	13.4
80°-90°	213.2	1.1
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°	19044.5	100.0
0°-180°	19044.5	100.0

Coefficient of Utilization



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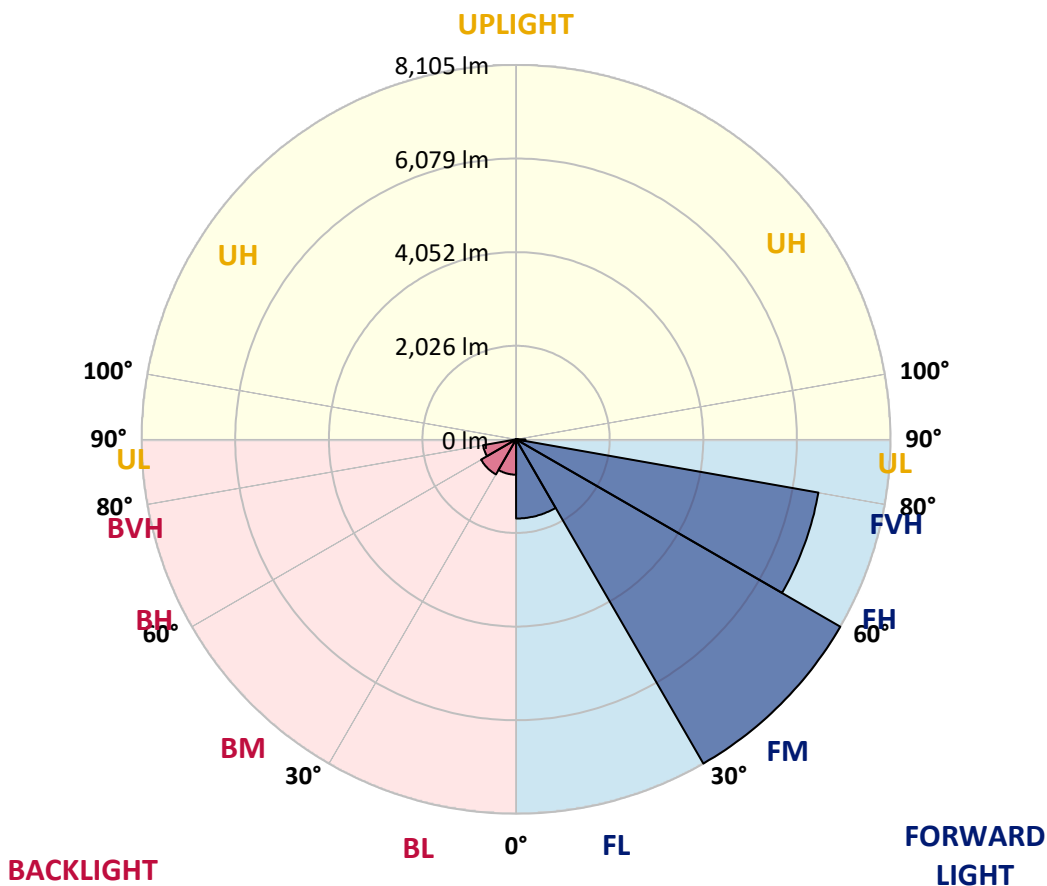
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1713.9	9.0			
FM (30°-60°)	8104.9	42.6			
FH (60°-80°)	6645.8	34.9			G3/7500
FVH (80°-90°)	201.8	1.1			G2/225
BL (0°-30°)	764.4	4.0	B2/1000		
BM (30°-60°)	876.0	4.6	B1/1000		
BH (60°-80°)	726.4	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.4	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9
2.5°	4458.7	4472.5	4453.6	4500.1	4508.7	4560.3	4589.6	4610.3	4608.6	4634.4	4634.4
5°	4197.0	4210.7	4200.4	4250.3	4290.0	4370.9	4438.1	4515.6	4519.0	4598.2	4627.5
7.5°	3974.8	3976.5	3976.5	4038.5	4090.2	4190.1	4290.0	4408.8	4422.6	4544.8	4622.3
10°	3792.2	3797.4	3799.1	3869.7	3926.6	4047.1	4174.6	4317.5	4333.0	4498.3	4618.9
12.5°	3666.5	3668.2	3675.1	3749.2	3811.2	3936.9	4066.1	4229.7	4250.3	4445.0	4603.4
15°	3606.2	3602.8	3606.2	3668.2	3730.2	3850.8	3983.4	4159.1	4181.5	4400.2	4605.1
17.5°	3602.8	3597.6	3594.2	3640.7	3680.3	3787.1	3921.4	4112.6	4136.7	4379.5	4624.1
20°	3652.7	3649.3	3632.1	3652.7	3661.4	3749.2	3881.8	4076.4	4100.5	4376.1	4665.4
22.5°	3783.6	3775.0	3749.2	3730.2	3683.7	3735.4	3854.2	4050.6	4078.1	4384.7	4718.8
25°	3978.2	3974.8	3942.1	3895.6	3776.7	3756.1	3856.0	4050.6	4076.4	4395.0	4775.6
27.5°	4271.0	4250.3	4209.0	4128.1	3957.6	3837.0	3890.4	4060.9	4086.7	4408.8	4822.1
30°	4568.9	4567.2	4553.4	4470.8	4217.6	3992.0	3962.7	4088.5	4112.6	4420.8	4865.2
32.5°	4877.2	4882.4	4916.8	4853.1	4575.8	4222.8	4093.6	4145.3	4162.5	4445.0	4903.1
35°	5170.0	5180.3	5271.6	5294.0	5011.5	4572.4	4307.2	4259.0	4260.7	4498.3	4953.0
37.5°	5450.7	5485.1	5631.5	5740.0	5554.0	4996.0	4615.4	4451.8	4438.1	4605.1	5028.8
40°	5769.3	5834.8	6019.0	6203.3	6144.7	5555.8	5035.7	4748.1	4718.8	4801.4	5164.8
42.5°	6122.4	6193.0	6437.5	6695.8	6723.4	6232.6	5560.9	5180.3	5130.4	5132.1	5419.7
45°	6501.2	6596.0	6880.1	7252.1	7419.2	6986.9	6208.5	5764.1	5714.2	5640.1	5829.6
47.5°	6998.9	7081.6	7355.4	7784.3	8104.6	7796.3	7057.5	6515.0	6423.7	6315.2	6466.8
50°	7427.8	7500.1	7736.0	8273.4	8939.8	8840.0	8020.2	7453.6	7365.8	7181.5	7307.2
52.5°	7522.5	7579.3	7796.3	8400.8	9578.8	10157.4	9199.9	8588.5	8526.5	8185.5	8233.8
55°	7097.1	7183.2	7377.8	8049.5	9745.8	11445.6	10730.9	9868.1	9738.9	9194.7	9280.8
57.5°	6022.5	6175.7	6358.3	7231.4	9292.9	12131.0	12869.9	11223.5	11106.3	10166.0	10167.8
60°	4414.0	4537.9	4660.2	5459.3	8218.3	12084.5	14810.8	12745.9	12532.3	10960.0	10930.7
62.5°	3210.1	3273.9	3272.1	3556.3	5643.6	11288.9	15830.3	15039.8	14542.1	11809.0	11641.9
65°	2524.7	2523.0	2597.0	2690.0	3151.6	8714.2	15956.0	18389.5	17852.1	12947.4	12599.5
67.5°	1965.0	2002.9	2077.0	2350.8	2368.0	4560.3	14850.4	20461.2	20450.9	14685.0	13720.6
70°	1515.5	1567.2	1672.2	2071.8	2187.2	2552.3	11111.5	19805.1	19972.1	15461.7	12926.7
72.5°	973.0	969.6	1124.6	1674.0	2101.1	2126.9	6144.7	15732.1	15921.6	14004.8	10451.9
75°	544.2	547.7	635.5	1024.7	1958.1	2001.2	3043.1	11218.3	11368.1	10918.6	8030.5
77.5°	213.6	220.4	297.9	539.0	1291.6	1787.6	1808.3	7649.9	7672.3	6766.5	4925.4
80°	86.1	91.3	151.6	334.1	787.0	1203.8	1291.6	4506.9	4415.7	2619.4	1432.9
82.5°	25.8	27.6	60.3	189.4	411.6	855.9	871.4	1729.1	1632.6	563.2	365.1
85°	1.7	1.7	13.8	58.6	146.4	215.3	580.4	563.2	499.4	141.2	161.9
87.5°	0.0	0.0	1.7	1.7	3.4	6.9	62.0	103.3	105.1	25.8	72.3
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°	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9	4618.9
2.5°	4634.4	4572.4	4567.2	4519.0	4470.8	4410.5	4339.9	4288.2	4252.1	4188.3	4176.3
5°	4627.5	4544.8	4467.3	4329.6	4176.3	4011.0	3866.3	3732.0	3647.6	3590.7	3566.6
7.5°	4613.7	4508.7	4329.6	4069.5	3812.9	3523.6	3298.0	3091.3	2950.1	2867.4	2831.3
10°	4603.4	4462.2	4171.1	3776.7	3378.9	2979.4	2636.7	2330.1	2159.6	2025.3	2002.9
12.5°	4582.7	4395.0	3967.9	3434.0	2920.8	2390.4	1953.0	1577.5	1317.5	1200.4	1159.0
15°	4562.1	4324.4	3764.7	3072.4	2421.4	1767.0	1236.5	874.9	695.8	640.7	637.2
17.5°	4558.6	4260.7	3544.2	2729.7	1897.8	1157.3	704.4	566.6	528.7	514.9	514.9
20°	4568.9	4207.3	3327.3	2335.3	1382.9	704.4	525.3	490.8	468.4	456.4	456.4
22.5°	4579.3	4152.2	3118.9	1937.5	917.9	514.9	463.3	434.0	408.2	394.4	387.5
25°	4586.2	4091.9	2888.1	1537.9	599.3	447.8	406.4	368.5	337.5	320.3	320.3
27.5°	4584.4	4019.6	2655.6	1147.0	465.0	397.8	347.9	308.3	277.3	258.3	260.0
30°	4570.7	3940.4	2414.5	800.8	406.4	347.9	297.9	256.6	225.6	210.1	208.4
32.5°	4560.3	3856.0	2135.5	563.2	365.1	304.8	253.2	213.6	187.7	175.7	173.9
35°	4548.3	3773.3	1870.3	428.8	328.9	263.5	213.6	180.8	160.2	149.8	149.8
37.5°	4551.7	3687.2	1582.7	368.5	292.8	229.1	182.6	155.0	137.8	127.4	125.7
40°	4605.1	3635.5	1300.2	334.1	260.0	198.1	158.4	134.3	117.1	106.8	105.1
42.5°	4737.7	3637.2	1029.9	308.3	230.8	168.8	137.8	115.4	99.9	87.8	86.1
45°	5002.9	3709.6	790.5	280.7	199.8	146.4	118.8	98.2	82.7	72.3	70.6
47.5°	5436.9	3924.9	599.3	256.6	173.9	127.4	101.6	82.7	68.9	60.3	58.6
50°	6127.5	4314.1	471.9	227.3	146.4	110.2	86.1	68.9	56.8	48.2	46.5
52.5°	6957.6	4897.9	404.7	201.5	125.7	96.4	74.1	56.8	46.5	39.6	37.9
55°	7911.7	5595.4	373.7	175.7	106.8	82.7	60.3	46.5	37.9	32.7	29.3
57.5°	8786.6	6224.0	372.0	149.8	91.3	70.6	49.9	39.6	32.7	25.8	24.1
60°	9639.1	6749.2	349.6	124.0	79.2	58.6	43.1	32.7	27.6	22.4	20.7
62.5°	10412.3	7176.3	292.8	99.9	67.2	48.2	36.2	29.3	24.1	18.9	18.9
65°	11383.6	7720.5	223.9	80.9	55.1	39.6	31.0	25.8	22.4	17.2	17.2
67.5°	12387.7	8008.1	160.2	67.2	44.8	34.4	27.6	24.1	18.9	15.5	15.5
70°	11220.0	6766.5	115.4	55.1	37.9	29.3	24.1	22.4	18.9	15.5	13.8
72.5°	8762.5	4878.9	86.1	43.1	32.7	27.6	22.4	20.7	17.2	13.8	13.8
75°	6497.8	2845.0	65.4	34.4	25.8	22.4	22.4	20.7	17.2	13.8	12.1
77.5°	3532.2	992.0	49.9	27.6	20.7	17.2	18.9	18.9	15.5	12.1	10.3
80°	935.1	272.1	34.4	20.7	17.2	13.8	13.8	17.2	13.8	10.3	10.3
82.5°	272.1	79.2	24.1	17.2	13.8	12.1	12.1	12.1	10.3	8.6	6.9
85°	132.6	29.3	17.2	13.8	12.1	10.3	8.6	8.6	6.9	5.2	5.2
87.5°	58.6	12.1	13.8	12.1	12.1	8.6	6.9	5.2	5.2	3.4	1.7
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)