

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: P636220

Luminaire Tested: GWS-SA3F-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19531.7 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

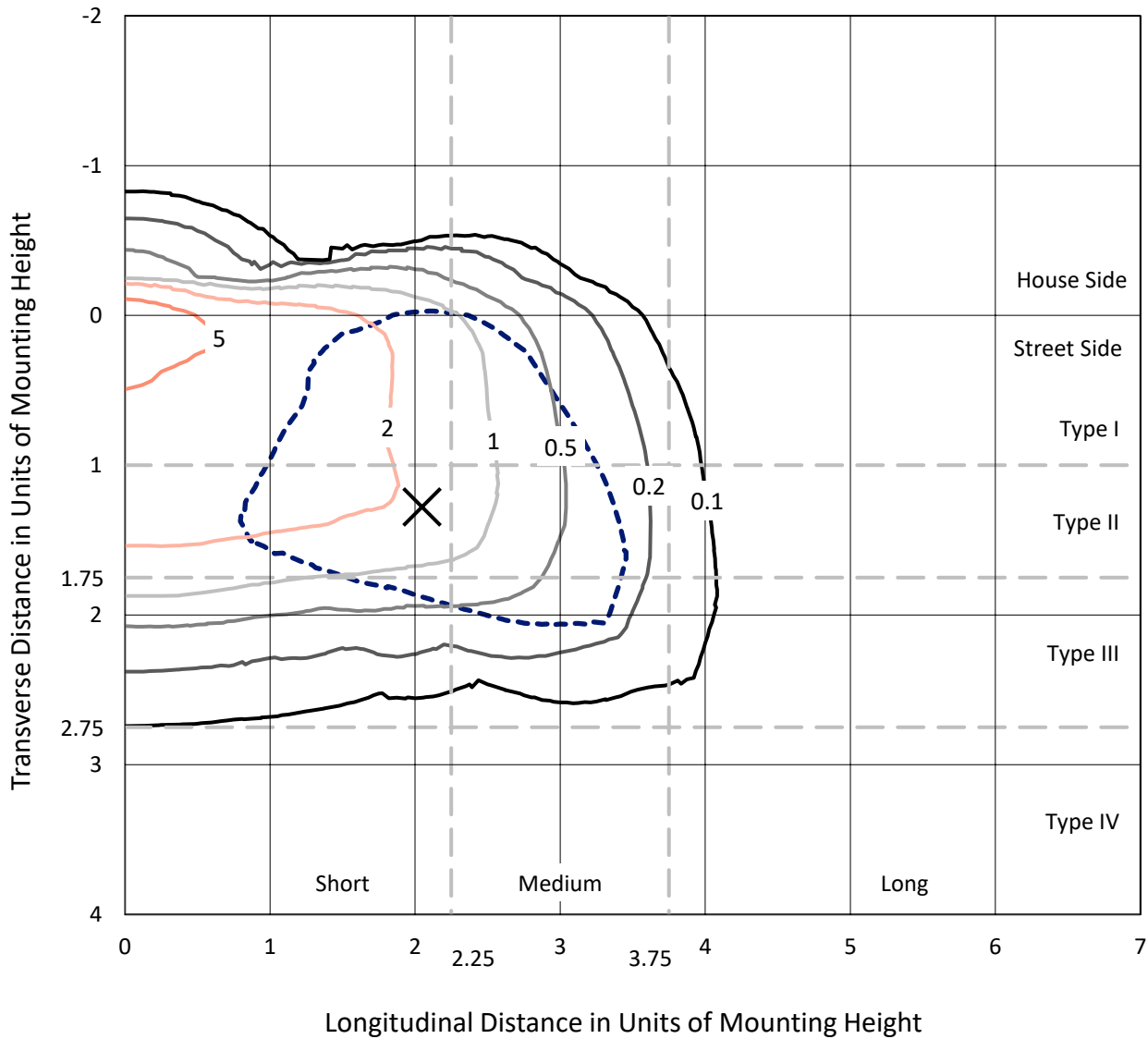
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

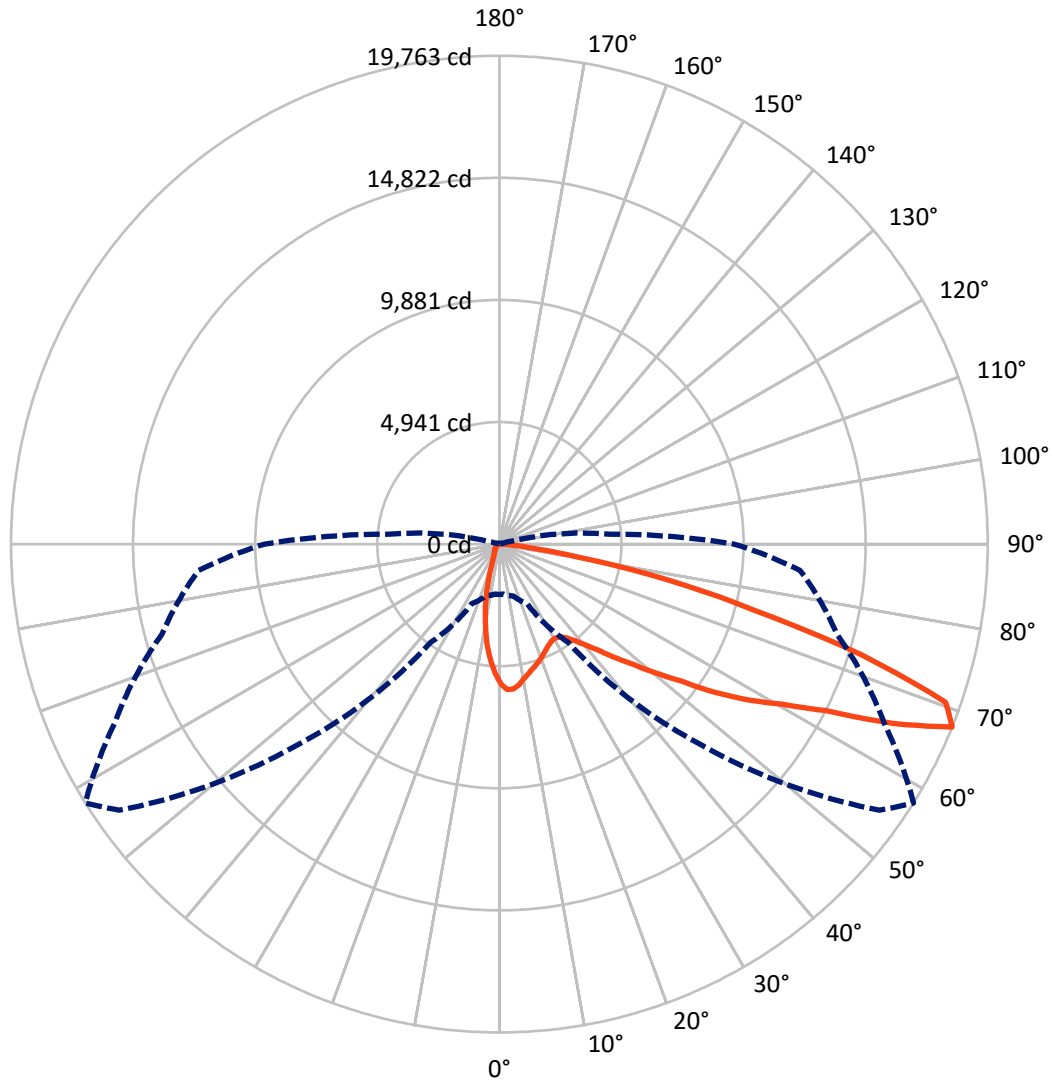
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1908.1	0.0	1908.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	17623.6	0.0	17623.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	19531.7	0.0	19531.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.8	2.3
10°-20°	953.0	4.9
20°-30°	1285.2	6.6
30°-40°	1805.9	9.2
40°-50°	2789.1	14.3
50°-60°	4460.1	22.8
60°-70°	5281.1	27.0
70°-80°	2336.2	12.0
80°-90°	163.3	0.8
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°	19531.7	100.0
0°-180°	19531.7	100.0

Coefficient of Utilization



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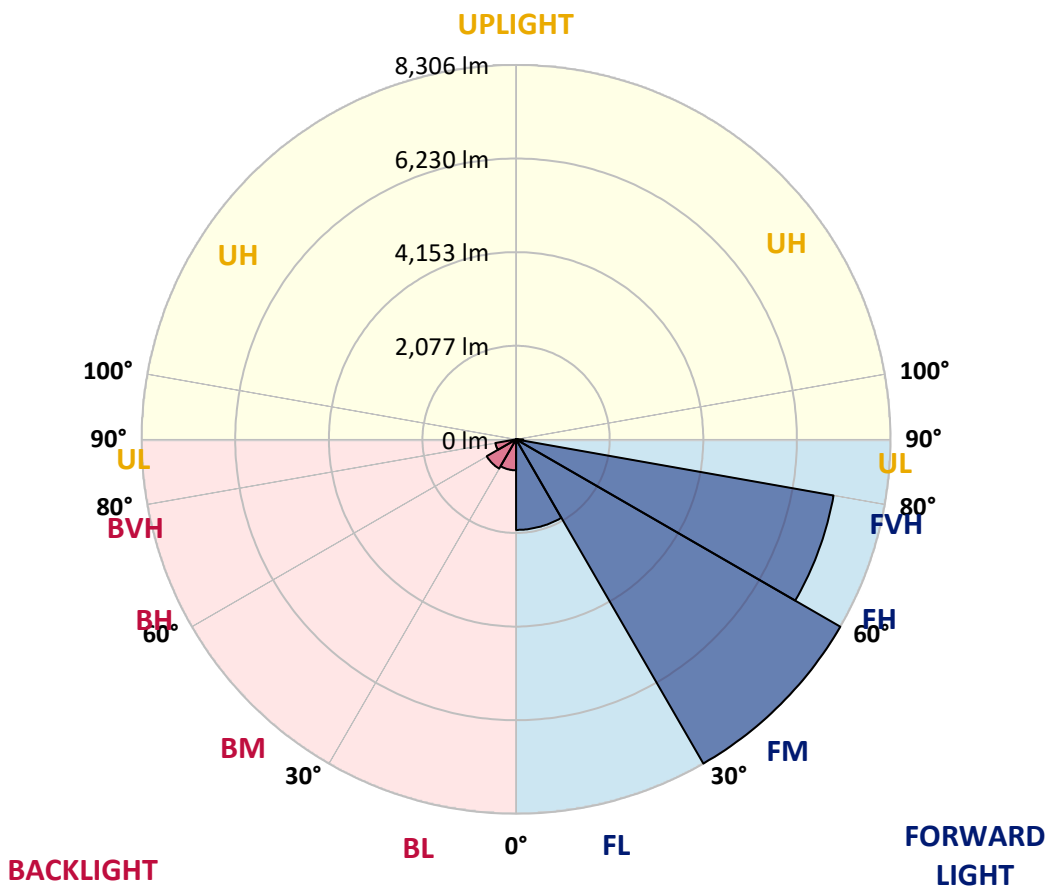
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2009.3	10.3			
FM (30°-60°)	8306.4	42.5			
FH (60°-80°)	7151.5	36.6			G3/7500
FVH (80°-90°)	156.4	0.8			G2/225
BL (0°-30°)	686.6	3.5	B2/1000		
BM (30°-60°)	748.7	3.8	B1/1000		
BH (60°-80°)	465.8	2.4	B1/500		G1/500
BVH (80°-90°)	7.0	0.0			G0/10
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9
2.5°	5926.0	5936.4	5950.2	5967.5	5964.0	5948.5	5929.5	5886.3	5858.6	5772.2	5666.7
5°	5735.9	5734.1	5768.7	5801.5	5860.3	5891.4	5934.7	5894.9	5881.1	5777.3	5606.2
7.5°	5364.2	5383.2	5423.0	5474.8	5559.5	5651.1	5754.9	5742.8	5784.3	5715.1	5502.5
10°	4999.4	4989.1	5051.3	5129.1	5258.7	5376.3	5526.7	5525.0	5633.9	5626.9	5384.9
12.5°	4679.6	4677.9	4726.3	4814.5	4966.6	5130.8	5334.8	5340.0	5474.8	5530.1	5284.7
15°	4409.9	4413.4	4460.1	4551.7	4709.0	4909.5	5146.4	5189.6	5341.7	5454.1	5186.1
17.5°	4218.0	4219.8	4247.4	4327.0	4480.8	4695.2	4980.4	5039.2	5234.5	5397.0	5106.6
20°	4129.9	4123.0	4128.2	4167.9	4287.2	4482.5	4811.0	4887.1	5136.0	5357.3	5034.0
22.5°	4142.0	4131.6	4107.4	4102.2	4155.8	4304.5	4631.2	4724.6	5028.8	5333.1	4968.3
25°	4249.2	4226.7	4192.1	4140.3	4119.5	4193.8	4473.9	4570.7	4928.5	5334.8	4918.2
27.5°	4413.4	4389.2	4346.0	4276.8	4195.6	4164.5	4366.7	4458.3	4857.7	5374.6	4894.0
30°	4622.6	4603.5	4562.1	4479.1	4370.2	4242.2	4344.2	4420.3	4823.1	5455.8	4904.3
32.5°	4869.8	4855.9	4821.4	4745.3	4620.8	4425.5	4420.3	4479.1	4850.8	5573.4	4944.1
35°	5108.3	5113.5	5115.2	5073.8	4940.6	4703.8	4629.5	4650.2	4964.8	5749.7	5034.0
37.5°	5365.9	5353.8	5416.0	5445.4	5317.5	5065.1	4952.7	4954.5	5182.7	6010.7	5203.4
40°	5561.3	5564.7	5699.5	5820.6	5767.0	5523.2	5362.5	5360.7	5518.0	6368.6	5476.5
42.5°	5744.5	5767.0	5965.8	6173.2	6247.6	6031.5	5915.6	5872.4	5988.2	6852.6	5886.3
45°	5939.8	5972.7	6251.0	6546.6	6742.0	6614.0	6522.4	6539.7	6553.5	7416.2	6437.7
47.5°	6168.0	6188.8	6532.8	6949.4	7314.2	7281.3	7286.5	7265.8	7258.8	8126.7	7167.2
50°	6444.6	6493.0	6888.9	7386.8	7884.6	8102.5	8175.1	8183.7	8071.3	8901.1	7922.7
52.5°	7032.4	7091.2	7430.0	7865.6	8507.0	8965.1	9260.7	9201.9	9029.0	9651.4	8750.7
55°	7725.6	7770.5	8097.3	8548.5	9267.6	9910.7	10612.5	10588.3	10164.8	10441.4	9431.8
57.5°	7791.3	7841.4	8347.9	9039.4	10244.3	11079.3	11817.4	11895.2	11274.6	11001.5	10040.3
60°	7053.1	7155.1	7846.6	8776.6	10617.7	12650.7	13138.2	13153.7	12088.9	11570.2	10783.7
62.5°	5652.9	5701.3	6397.9	7611.5	10042.1	13566.9	15155.6	14827.1	13134.7	12450.2	11960.9
65°	2963.0	3160.1	3766.9	5110.1	8143.9	13247.1	17582.7	17492.8	15015.6	13710.4	12877.1
67.5°	2033.0	2031.2	2174.7	2663.9	4855.9	11406.0	18773.8	19762.6	17190.3	14142.6	12213.3
70°	1547.2	1552.4	1680.3	1998.4	2515.3	7592.5	17466.9	19157.5	17594.8	12840.8	9877.8
72.5°	1026.9	1037.2	1249.9	1614.6	2008.8	3721.9	13573.8	15328.5	14804.7	10313.5	6952.9
75°	613.7	622.3	774.5	1173.8	1785.8	2083.1	8624.5	10597.0	10190.7	7108.4	3727.1
77.5°	252.4	259.3	397.6	731.2	1306.9	1618.1	4769.5	6933.8	6104.1	2826.4	1018.2
80°	105.5	108.9	191.9	511.7	942.1	1014.8	2209.3	3258.6	2501.4	608.5	311.2
82.5°	38.0	39.8	70.9	281.8	586.0	764.1	1115.0	1287.9	705.3	198.8	167.7
85°	1.7	1.7	17.3	95.1	223.0	216.1	637.9	617.1	233.4	83.0	100.3
87.5°	0.0	0.0	1.7	1.7	3.5	8.6	60.5	107.2	50.1	20.7	43.2
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°	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9	5633.9
2.5°	5597.6	5505.9	5405.7	5312.3	5163.7	5075.5	4966.6	4918.2	4849.0	4831.7	4842.1
5°	5483.5	5326.1	5085.9	4868.0	4586.3	4359.8	4131.6	4034.8	3910.3	3827.4	3792.8
7.5°	5322.7	5117.0	4741.8	4346.0	3958.7	3545.6	3231.0	3023.5	2835.1	2731.4	2710.6
10°	5160.2	4892.2	4354.6	3787.6	3187.7	2693.3	2268.1	1953.4	1697.6	1581.8	1491.9
12.5°	4992.5	4658.9	3960.5	3220.6	2523.9	1849.7	1324.2	1018.2	835.0	762.4	774.5
15°	4838.7	4434.1	3569.8	2653.6	1777.1	1116.7	731.2	617.1	573.9	560.1	558.4
17.5°	4691.7	4221.5	3180.8	2102.1	1172.1	684.6	560.1	532.4	520.3	513.4	513.4
20°	4558.6	4017.5	2800.5	1583.5	757.2	542.8	506.5	492.7	482.3	477.1	477.1
22.5°	4434.1	3820.4	2428.8	1120.2	558.4	487.5	465.0	451.2	439.1	432.2	432.2
25°	4321.8	3642.4	2074.4	771.0	480.6	446.0	421.8	406.2	385.5	373.4	373.4
27.5°	4240.5	3483.3	1733.9	561.8	433.9	401.1	373.4	352.7	330.2	316.4	312.9
30°	4192.1	3348.5	1389.9	461.6	390.7	357.8	326.7	300.8	274.9	261.0	259.3
32.5°	4164.5	3224.0	1075.3	402.8	354.4	316.4	281.8	254.1	228.2	212.6	210.9
35°	4174.8	3127.2	805.6	363.0	319.8	280.1	242.0	214.4	191.9	178.1	174.6
37.5°	4264.7	3084.0	605.0	331.9	290.4	248.9	209.2	183.2	162.5	152.1	150.4
40°	4439.3	3092.7	475.4	307.7	266.2	217.8	179.8	155.6	140.0	131.4	129.7
42.5°	4710.7	3165.3	392.4	287.0	240.3	190.2	155.6	136.6	121.0	112.4	110.6
45°	5115.2	3315.7	342.3	262.8	212.6	164.2	134.8	117.6	103.7	93.4	91.6
47.5°	5701.3	3576.7	309.4	240.3	188.4	141.8	115.8	98.5	86.4	77.8	76.1
50°	6325.3	3889.6	281.8	217.8	167.7	122.7	98.5	81.2	70.9	62.2	60.5
52.5°	6990.9	4226.7	261.0	197.1	148.7	105.5	83.0	67.4	57.0	48.4	46.7
55°	7630.5	4565.5	236.8	183.2	126.2	89.9	69.1	55.3	44.9	38.0	38.0
57.5°	8252.9	4876.7	210.9	160.8	103.7	76.1	57.0	44.9	36.3	31.1	29.4
60°	8996.2	5307.1	181.5	136.6	86.4	64.0	46.7	36.3	29.4	24.2	24.2
62.5°	10100.8	5754.9	155.6	114.1	72.6	53.6	38.0	29.4	24.2	20.7	19.0
65°	10462.1	5512.8	131.4	93.4	58.8	43.2	31.1	25.9	20.7	19.0	17.3
67.5°	9497.5	4518.8	108.9	76.1	48.4	36.3	27.7	22.5	19.0	17.3	15.6
70°	7411.0	3206.8	84.7	57.0	39.8	29.4	24.2	20.7	17.3	15.6	15.6
72.5°	5040.9	1896.4	67.4	43.2	32.8	25.9	20.7	19.0	17.3	15.6	13.8
75°	2482.4	674.2	51.9	32.8	25.9	22.5	19.0	17.3	15.6	13.8	13.8
77.5°	669.0	186.7	39.8	25.9	20.7	17.3	17.3	17.3	15.6	12.1	12.1
80°	226.5	77.8	29.4	19.0	17.3	13.8	12.1	15.6	13.8	12.1	10.4
82.5°	124.5	38.0	20.7	15.6	12.1	10.4	10.4	10.4	10.4	8.6	8.6
85°	79.5	20.7	13.8	12.1	12.1	8.6	6.9	6.9	5.2	5.2	5.2
87.5°	36.3	12.1	12.1	10.4	10.4	8.6	5.2	3.5	1.7	1.7	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)