

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: P639795

Luminaire Tested: GWS-SA5C-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639795
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-SA5C-750-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19728.2 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

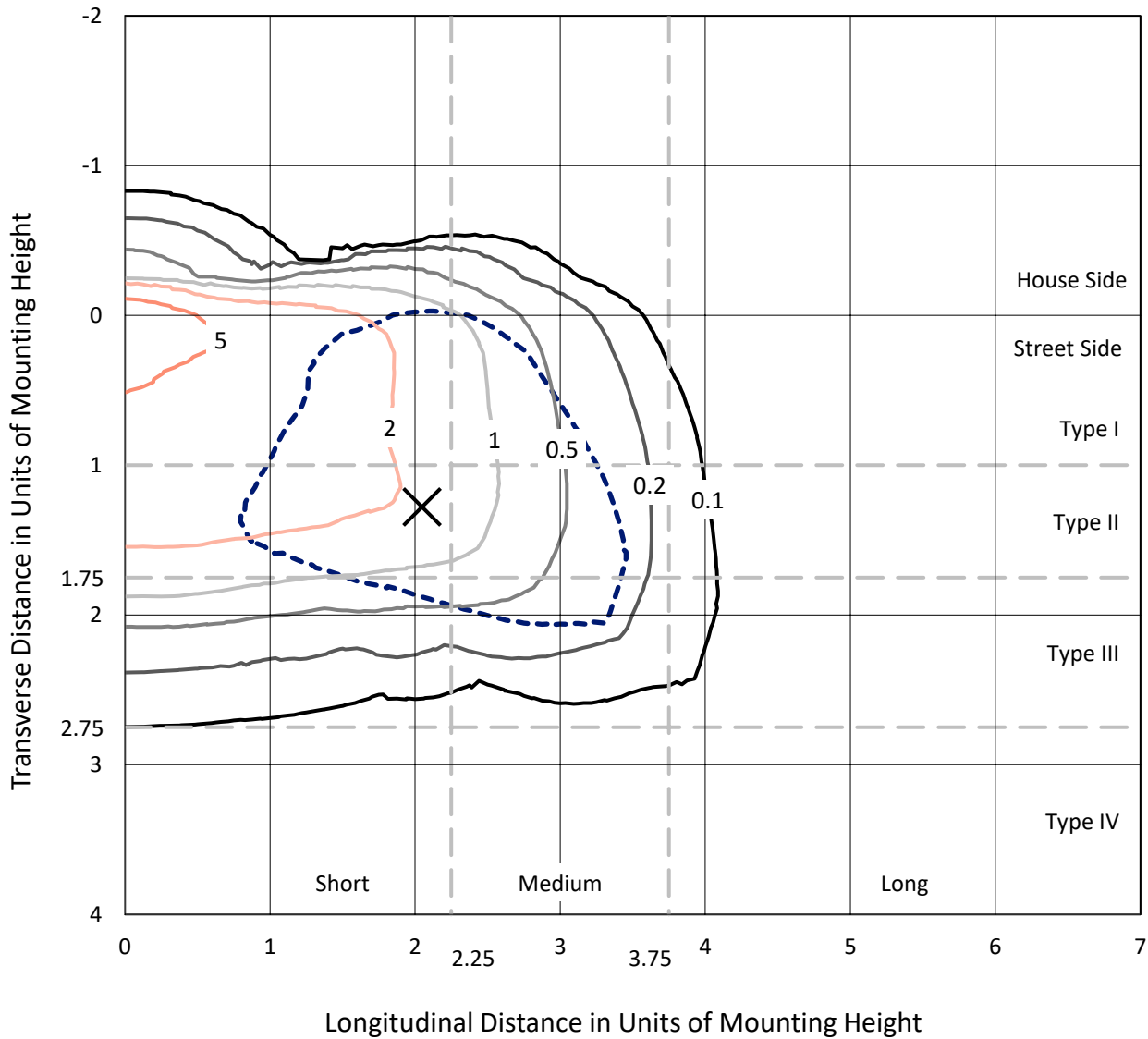
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

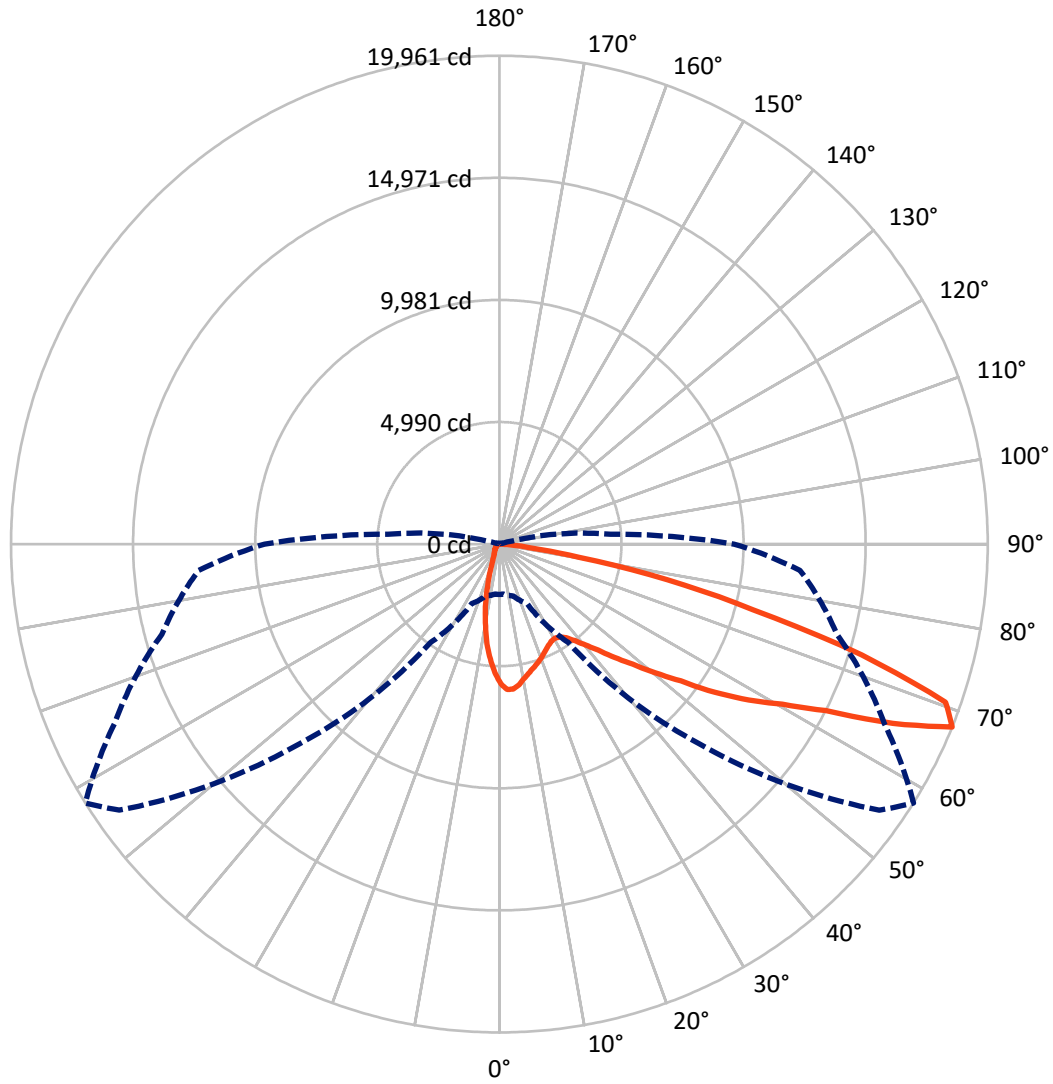
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	1927.3	0.0	1927.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	17800.9	0.0	17800.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	19728.2	0.0	19728.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.4	2.3
10°-20°	962.6	4.9
20°-30°	1298.1	6.6
30°-40°	1824.1	9.2
40°-50°	2817.1	14.3
50°-60°	4505.0	22.8
60°-70°	5334.2	27.0
70°-80°	2359.7	12.0
80°-90°	165.0	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°	19728.2	100.0
0°-180°	19728.2	100.0

Coefficient of Utilization



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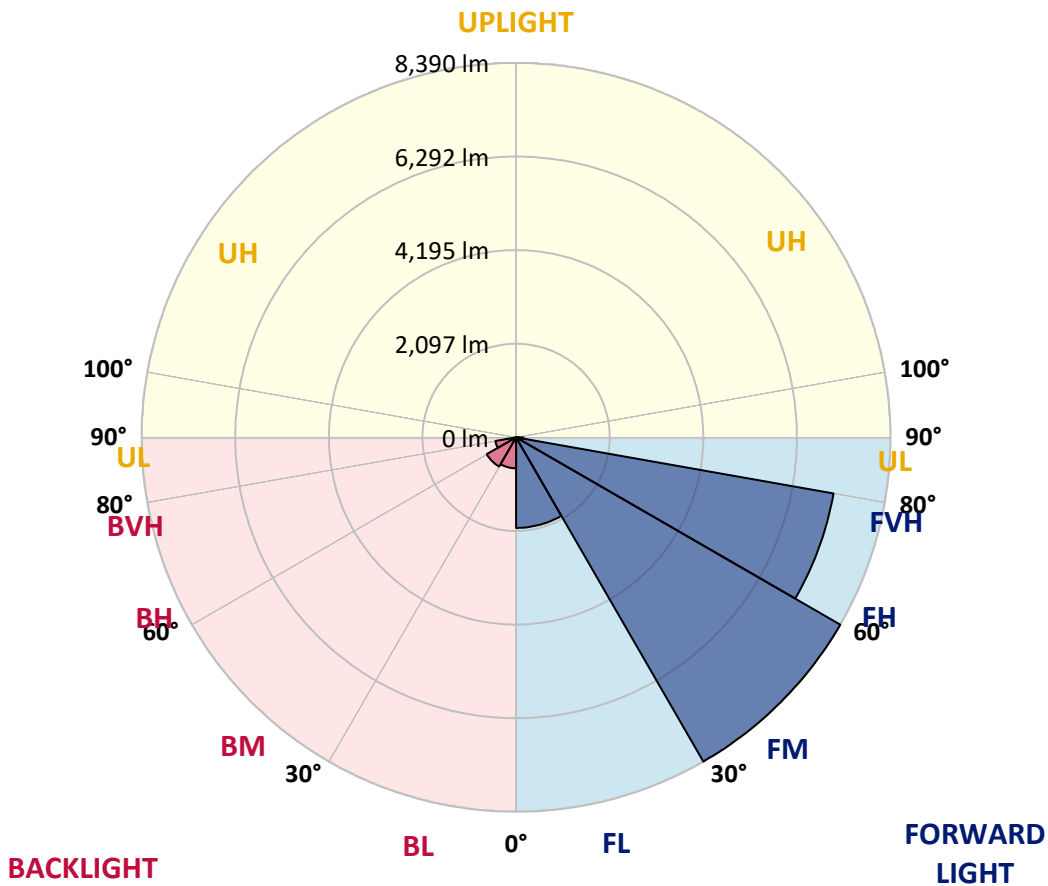
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2029.5	10.3			
FM (30°-60°)	8390.0	42.5			
FH (60°-80°)	7223.4	36.6			G3/7500
FVH (80°-90°)	157.9	0.8			G2/225
BL (0°-30°)	693.6	3.5	B2/1000		
BM (30°-60°)	756.2	3.8	B1/1000		
BH (60°-80°)	470.5	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°	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5
2.5°	5985.6	5996.1	6010.1	6027.5	6024.0	6008.3	5989.1	5945.5	5917.5	5830.2	5723.7
5°	5793.6	5791.8	5826.7	5859.9	5919.3	5950.7	5994.4	5954.2	5940.2	5835.5	5662.6
7.5°	5418.1	5437.4	5477.5	5529.9	5615.5	5708.0	5812.8	5800.5	5842.4	5772.6	5557.8
10°	5049.7	5039.2	5102.1	5180.7	5311.6	5430.4	5582.3	5580.5	5690.5	5683.6	5439.1
12.5°	4726.7	4724.9	4773.8	4862.9	5016.5	5182.4	5388.5	5393.7	5529.9	5585.8	5337.8
15°	4454.3	4457.8	4504.9	4597.5	4756.4	4958.9	5198.1	5241.8	5395.4	5508.9	5238.3
17.5°	4260.5	4262.2	4290.2	4370.5	4525.9	4742.4	5030.5	5089.9	5287.2	5451.3	5158.0
20°	4171.4	4164.4	4169.7	4209.8	4330.3	4527.6	4859.4	4936.2	5187.7	5411.2	5084.6
22.5°	4183.7	4173.2	4148.7	4143.5	4197.6	4347.8	4677.8	4772.1	5079.4	5386.7	5018.3
25°	4291.9	4269.2	4234.3	4181.9	4161.0	4236.0	4518.9	4616.7	4978.1	5388.5	4967.7
27.5°	4457.8	4433.3	4389.7	4319.9	4237.8	4206.4	4410.6	4503.2	4906.5	5428.6	4943.2
30°	4669.1	4649.9	4608.0	4524.1	4414.1	4284.9	4387.9	4464.8	4871.6	5510.7	4953.7
32.5°	4918.8	4904.8	4869.9	4793.0	4667.3	4470.0	4464.8	4524.1	4899.6	5629.4	4993.8
35°	5159.7	5165.0	5166.7	5124.8	4990.4	4751.1	4676.1	4697.0	5014.8	5807.5	5084.6
37.5°	5419.9	5407.7	5470.5	5500.2	5371.0	5116.1	5002.6	5004.3	5234.8	6071.2	5255.8
40°	5617.2	5620.7	5756.9	5879.1	5825.0	5578.8	5416.4	5414.7	5573.6	6432.6	5531.6
42.5°	5802.3	5825.0	6025.8	6235.3	6310.4	6092.1	5975.2	5931.5	6048.5	6921.5	5945.5
45°	5999.6	6032.8	6313.9	6612.5	6809.8	6680.6	6588.0	6605.5	6619.5	7490.8	6502.5
47.5°	6230.1	6251.0	6598.5	7019.3	7387.7	7354.6	7359.8	7338.9	7331.9	8208.4	7239.3
50°	6509.5	6558.4	6958.2	7461.1	7964.0	8184.0	8257.3	8266.0	8152.5	8990.7	8002.4
52.5°	7103.1	7162.5	7504.7	7944.8	8592.6	9055.3	9353.9	9294.5	9119.9	9748.5	8838.8
55°	7803.3	7848.7	8178.7	8634.5	9360.8	10010.4	10719.3	10694.9	10267.1	10546.4	9526.7
57.5°	7869.7	7920.3	8431.9	9130.4	10347.4	11190.8	11936.3	12014.9	11388.1	11112.2	10141.3
60°	7124.1	7227.1	7925.5	8864.9	10724.5	12778.0	13270.4	13286.1	12210.5	11686.6	10892.2
62.5°	5709.7	5758.6	6462.3	7688.1	10143.1	13703.4	15308.1	14976.3	13266.9	12575.4	12081.3
65°	2992.8	3191.9	3804.8	5161.5	8225.9	13380.4	17759.6	17668.8	15166.6	13848.3	13006.7
67.5°	2053.4	2051.7	2196.6	2690.7	4904.8	11520.8	18962.6	19961.4	17363.2	14284.8	12336.2
70°	1562.8	1568.0	1697.2	2018.5	2540.6	7668.9	17642.6	19350.3	17771.8	12970.0	9977.2
72.5°	1037.2	1047.7	1262.4	1630.9	2029.0	3759.4	13710.4	15482.7	14953.6	10417.2	7022.8
75°	619.9	628.6	782.3	1185.6	1803.7	2104.1	8711.3	10703.6	10293.3	7180.0	3764.6
77.5°	254.9	261.9	401.6	738.6	1320.1	1634.3	4817.5	7003.6	6165.5	2854.9	1028.5
80°	106.5	110.0	193.8	516.8	951.6	1025.0	2231.5	3291.4	2526.6	614.6	314.3
82.5°	38.4	40.2	71.6	284.6	591.9	771.8	1126.2	1300.8	712.4	200.8	169.4
85°	1.7	1.7	17.5	96.0	225.2	218.3	644.3	623.4	235.7	83.8	101.3
87.5°	0.0	0.0	1.7	1.7	3.5	8.7	61.1	108.3	50.6	21.0	43.7
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°	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5	5690.5
2.5°	5653.9	5561.3	5460.1	5365.8	5215.6	5126.5	5016.5	4967.7	4897.8	4880.3	4890.8
5°	5538.6	5379.7	5137.0	4917.0	4632.4	4403.7	4173.2	4075.4	3949.7	3865.9	3830.9
7.5°	5376.2	5168.5	4789.6	4389.7	3998.6	3581.3	3263.5	3053.9	2863.6	2758.8	2737.9
10°	5212.1	4941.5	4398.4	3825.7	3219.8	2720.4	2290.9	1973.1	1714.7	1597.7	1506.9
12.5°	5042.7	4705.7	4000.3	3253.0	2549.3	1868.3	1337.5	1028.5	843.4	770.0	782.3
15°	4887.3	4478.7	3605.7	2680.3	1795.0	1128.0	738.6	623.4	579.7	565.7	564.0
17.5°	4738.9	4264.0	3212.8	2123.3	1183.9	691.5	565.7	537.8	525.6	518.6	518.6
20°	4604.5	4057.9	2828.7	1599.4	764.8	548.3	511.6	497.6	487.2	481.9	481.9
22.5°	4478.7	3858.9	2453.3	1131.5	564.0	492.4	469.7	455.7	443.5	436.5	436.5
25°	4365.2	3679.0	2095.3	778.8	485.4	450.5	426.0	410.3	389.4	377.2	377.2
27.5°	4283.2	3518.4	1751.3	567.5	438.3	405.1	377.2	356.2	333.5	319.5	316.0
30°	4234.3	3382.2	1403.9	466.2	394.6	361.4	330.0	303.8	277.6	263.7	261.9
32.5°	4206.4	3256.5	1086.1	406.8	358.0	319.5	284.6	256.7	230.5	214.8	213.0
35°	4216.8	3158.7	813.7	366.7	323.0	282.9	244.5	216.5	193.8	179.8	176.4
37.5°	4307.6	3115.0	611.1	335.3	293.3	251.4	211.3	185.1	164.1	153.7	151.9
40°	4484.0	3123.8	480.2	310.8	268.9	220.0	181.6	157.1	141.4	132.7	131.0
42.5°	4758.1	3197.1	396.4	289.9	242.7	192.1	157.1	137.9	122.2	113.5	111.8
45°	5166.7	3349.0	345.7	265.4	214.8	165.9	136.2	118.7	104.8	94.3	92.5
47.5°	5758.6	3612.7	312.6	242.7	190.3	143.2	117.0	99.5	87.3	78.6	76.8
50°	6389.0	3928.7	284.6	220.0	169.4	124.0	99.5	82.1	71.6	62.9	61.1
52.5°	7061.2	4269.2	263.7	199.1	150.2	106.5	83.8	68.1	57.6	48.9	47.1
55°	7707.3	4611.4	239.2	185.1	127.5	90.8	69.8	55.9	45.4	38.4	38.4
57.5°	8335.9	4925.7	213.0	162.4	104.8	76.8	57.6	45.4	36.7	31.4	29.7
60°	9086.7	5360.5	183.3	137.9	87.3	64.6	47.1	36.7	29.7	24.4	24.4
62.5°	10202.5	5812.8	157.1	115.2	73.3	54.1	38.4	29.7	24.4	21.0	19.2
65°	10567.4	5568.3	132.7	94.3	59.4	43.7	31.4	26.2	21.0	19.2	17.5
67.5°	9593.1	4564.3	110.0	76.8	48.9	36.7	27.9	22.7	19.2	17.5	15.7
70°	7485.5	3239.0	85.6	57.6	40.2	29.7	24.4	21.0	17.5	15.7	15.7
72.5°	5091.6	1915.5	68.1	43.7	33.2	26.2	21.0	19.2	17.5	15.7	14.0
75°	2507.4	681.0	52.4	33.2	26.2	22.7	19.2	17.5	15.7	14.0	14.0
77.5°	675.7	188.6	40.2	26.2	21.0	17.5	17.5	17.5	15.7	12.2	12.2
80°	228.7	78.6	29.7	19.2	17.5	14.0	12.2	15.7	14.0	12.2	10.5
82.5°	125.7	38.4	21.0	15.7	12.2	10.5	10.5	10.5	10.5	8.7	8.7
85°	80.3	21.0	14.0	12.2	12.2	8.7	7.0	7.0	5.2	5.2	5.2
87.5°	36.7	12.2	12.2	10.5	10.5	8.7	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)