

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: P642270

Luminaire Tested: GWS-SA6C-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642270
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-SA6C-750-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23524.5 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

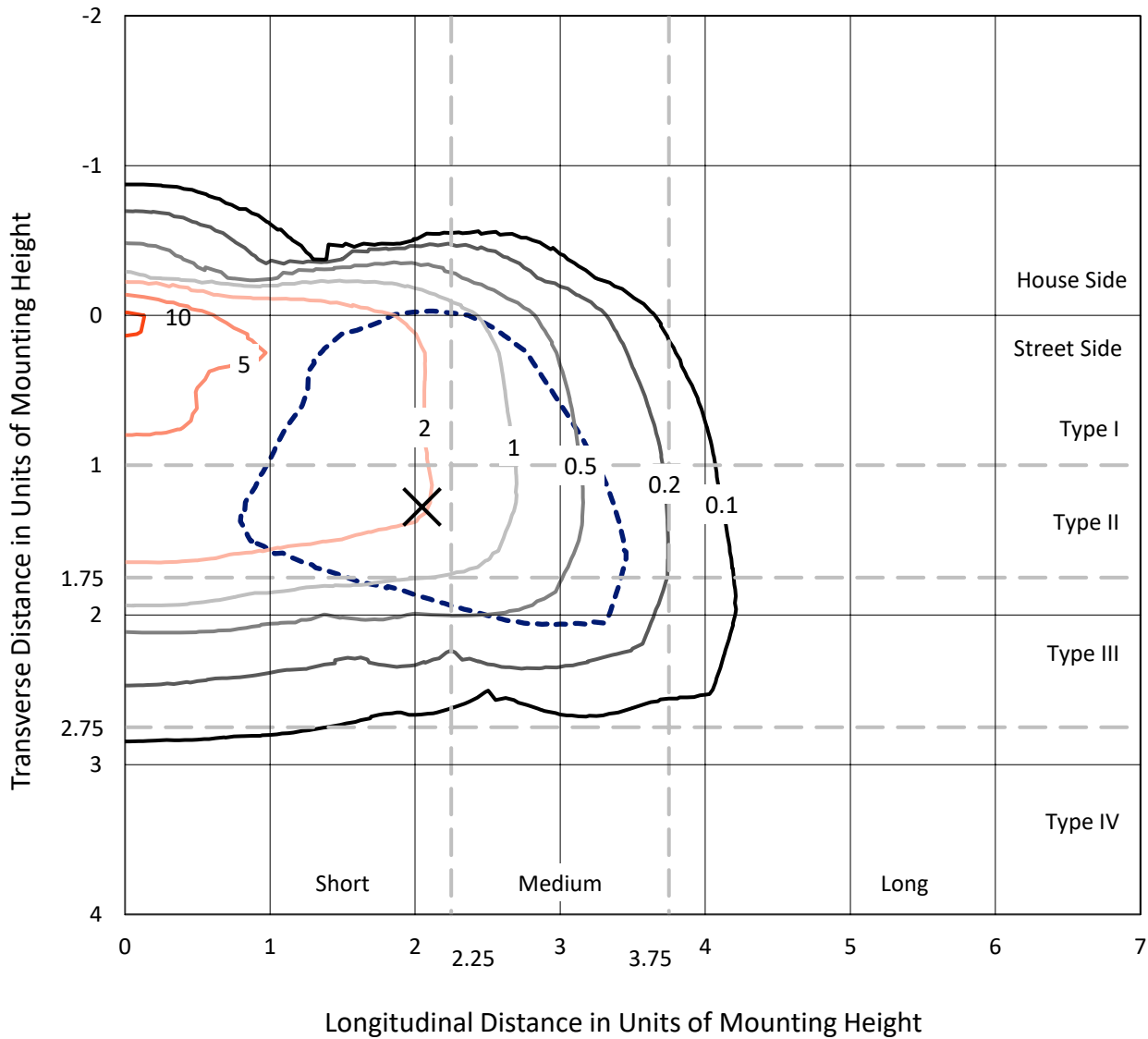
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

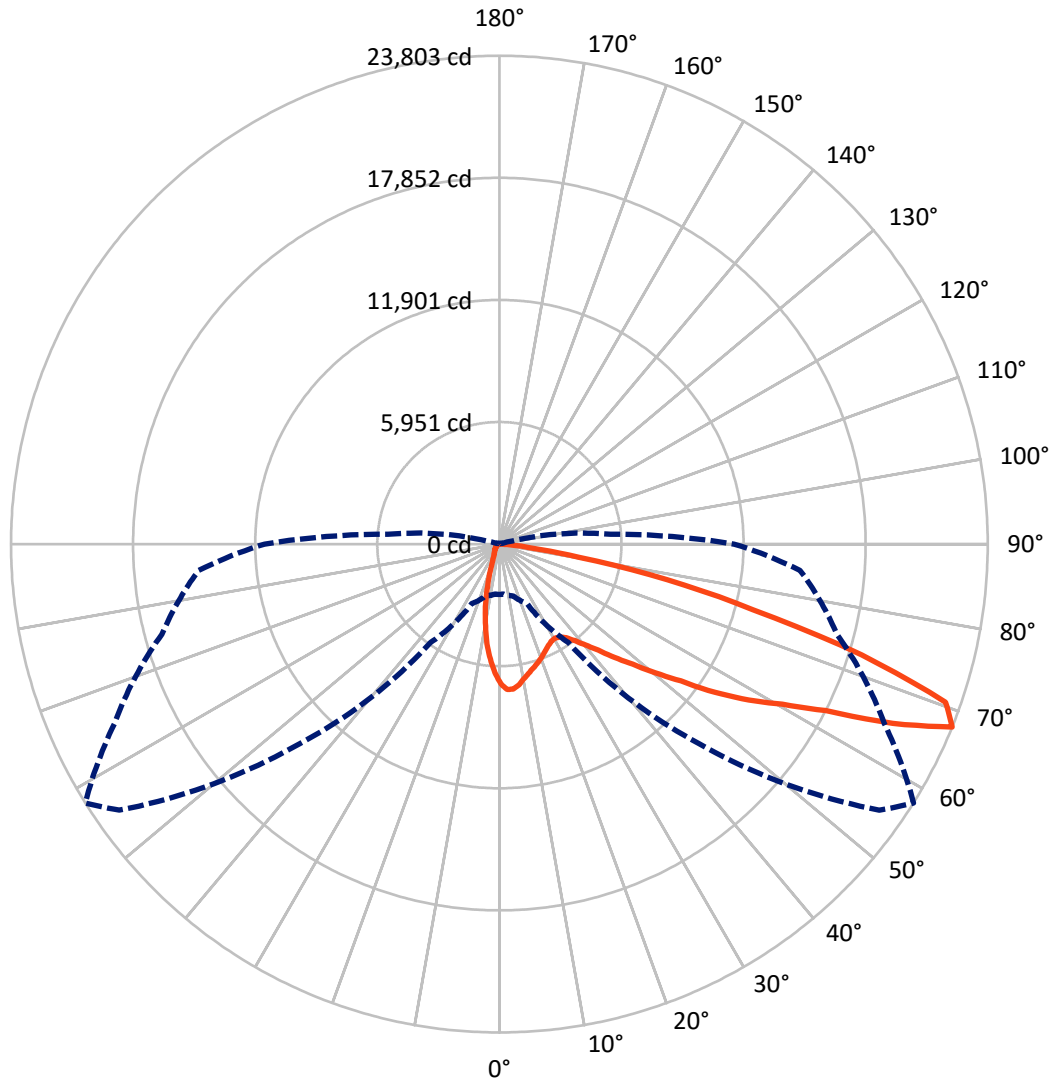
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	2298.2	0.0	2298.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	21226.3	0.0	21226.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	23524.5	0.0	23524.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.4	2.3
10°-20°	1147.8	4.9
20°-30°	1547.9	6.6
30°-40°	2175.1	9.2
40°-50°	3359.2	14.3
50°-60°	5371.9	22.8
60°-70°	6360.7	27.0
70°-80°	2813.8	12.0
80°-90°	196.7	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°	23524.5	100.0
0°-180°	23524.5	100.0

Coefficient of Utilization



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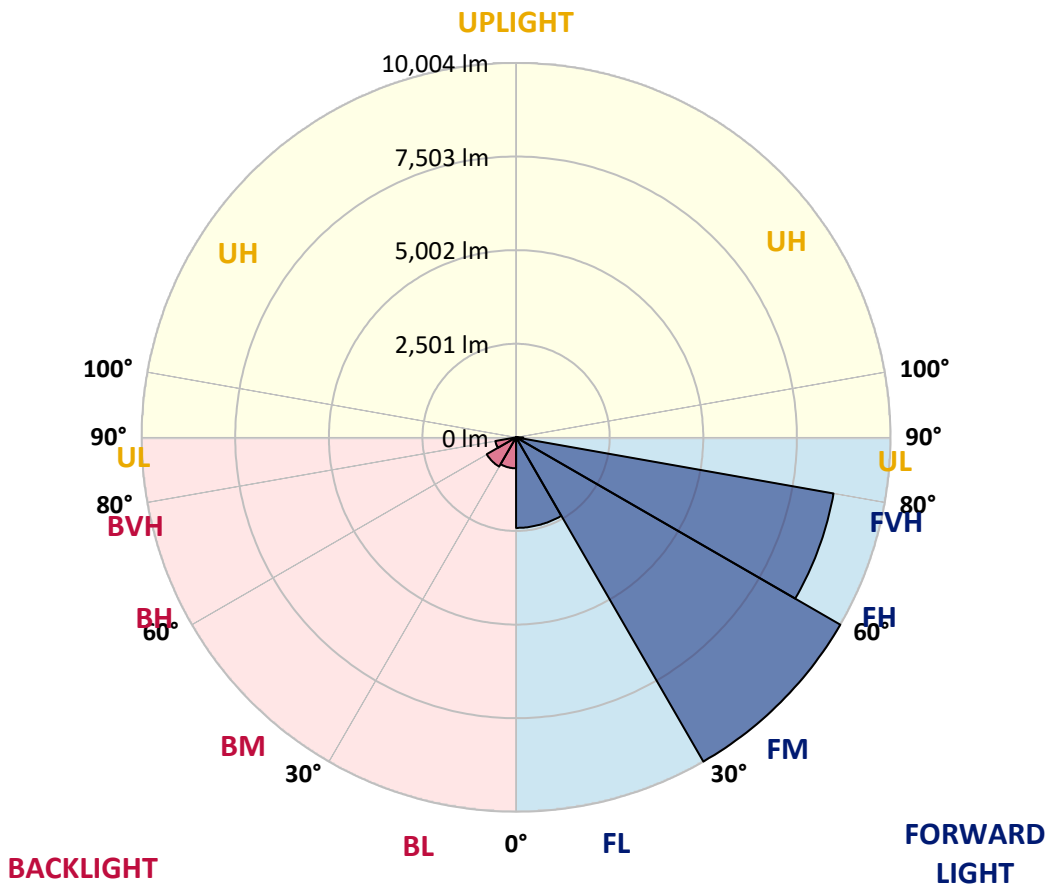
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2420.1	10.3			
FM (30°-60°)	10004.5	42.5			
FH (60°-80°)	8613.4	36.6			G4/12000
FVH (80°-90°)	188.3	0.8			G2/225
BL (0°-30°)	827.0	3.5	B2/1000		
BM (30°-60°)	901.7	3.8	B1/1000		
BH (60°-80°)	561.1	2.4	B2/1000		G2/1000
BVH (80°-90°)	8.4	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6
2.5°	7137.4	7149.9	7166.6	7187.4	7183.3	7164.5	7141.6	7089.6	7056.2	6952.1	6825.1
5°	6908.4	6906.3	6948.0	6987.5	7058.3	7095.8	7147.9	7100.0	7083.3	6958.4	6752.3
7.5°	6460.8	6483.7	6531.6	6594.0	6696.0	6806.4	6931.3	6916.7	6966.7	6883.4	6627.3
10°	6021.4	6008.9	6083.9	6177.6	6333.8	6475.3	6656.5	6654.4	6785.6	6777.2	6485.7
12.5°	5636.2	5634.2	5692.5	5798.7	5981.9	6179.7	6425.4	6431.6	6594.0	6660.6	6365.0
15°	5311.4	5315.6	5371.8	5482.2	5671.6	5913.2	6198.4	6250.5	6433.7	6569.0	6246.3
17.5°	5080.3	5082.4	5115.7	5211.5	5396.8	5655.0	5998.5	6069.3	6304.6	6500.3	6150.5
20°	4974.1	4965.8	4972.1	5019.9	5163.6	5398.9	5794.5	5886.1	6185.9	6452.4	6063.1
22.5°	4988.7	4976.2	4947.1	4940.8	5005.4	5184.4	5578.0	5690.4	6056.8	6423.3	5984.0
25°	5117.8	5090.7	5049.1	4986.6	4961.6	5051.2	5388.5	5505.1	5936.1	6425.4	5923.6
27.5°	5315.6	5286.5	5234.4	5151.1	5053.3	5015.8	5259.4	5369.7	5850.7	6473.3	5894.4
30°	5567.5	5544.6	5494.7	5394.7	5263.6	5109.5	5232.3	5323.9	5809.1	6571.1	5906.9
32.5°	5865.3	5848.6	5807.0	5715.4	5565.5	5330.2	5323.9	5394.7	5842.4	6712.7	5954.8
35°	6152.6	6158.9	6160.9	6111.0	5950.6	5665.4	5575.9	5600.9	5979.8	6925.1	6063.1
37.5°	6462.8	6448.3	6523.2	6558.6	6404.5	6100.6	5965.2	5967.3	6242.1	7239.5	6267.1
40°	6698.1	6702.3	6864.7	7010.4	6945.9	6652.3	6458.7	6456.6	6646.1	7670.5	6596.1
42.5°	6918.8	6945.9	7185.3	7435.2	7524.7	7264.5	7125.0	7072.9	7212.4	8253.5	7089.6
45°	7154.1	7193.7	7528.9	7884.9	8120.2	7966.1	7855.8	7876.6	7893.2	8932.2	7753.7
47.5°	7428.9	7453.9	7868.3	8370.0	8809.4	8769.8	8776.1	8751.1	8742.7	9788.0	8632.4
50°	7762.1	7820.4	8297.2	8896.8	9496.5	9758.8	9846.3	9856.7	9721.3	10720.7	9542.3
52.5°	8470.0	8540.8	8948.9	9473.6	10246.0	10797.8	11153.8	11083.0	10874.8	11624.4	10539.6
55°	9304.9	9359.0	9752.6	10296.0	11162.1	11936.7	12782.0	12752.9	12242.8	12575.9	11359.9
57.5°	9384.0	9444.4	10054.5	10887.3	12338.5	13344.2	14233.2	14326.9	13579.5	13250.5	12092.8
60°	8495.0	8617.8	9450.7	10570.8	12788.3	15236.8	15824.0	15842.7	14560.1	13935.5	12988.2
62.5°	6808.5	6866.8	7705.9	9167.5	12094.9	16340.3	18253.8	17858.2	15819.8	14995.3	14406.1
65°	3568.7	3806.1	4536.9	6154.7	9808.8	15955.1	21177.1	21068.8	18085.1	16513.1	15509.6
67.5°	2448.6	2446.5	2619.3	3208.5	5848.6	13737.7	22611.6	23802.6	20704.4	17033.7	14710.0
70°	1863.5	1869.7	2023.8	2406.9	3029.5	9144.6	21037.6	23073.9	21191.6	15465.9	11897.1
72.5°	1236.8	1249.3	1505.4	1944.7	2419.4	4482.8	16348.7	18462.0	17831.1	12421.8	8374.2
75°	739.1	749.6	932.8	1413.7	2150.8	2508.9	10387.6	12763.3	12274.0	8561.6	4489.0
77.5°	304.0	312.3	478.9	880.7	1574.1	1948.8	5744.5	8351.3	7351.9	3404.2	1226.4
80°	127.0	131.2	231.1	616.3	1134.7	1222.2	2660.9	3924.8	3012.8	732.9	374.8
82.5°	45.8	47.9	85.4	339.4	705.8	920.3	1343.0	1551.2	849.5	239.4	202.0
85°	2.1	2.1	20.8	114.5	268.6	260.3	768.3	743.3	281.1	99.9	120.8
87.5°	0.0	0.0	2.1	2.1	4.2	10.4	72.9	129.1	60.4	25.0	52.1
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°	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6	6785.6
2.5°	6741.8	6631.5	6510.7	6398.3	6219.2	6113.1	5981.9	5923.6	5840.3	5819.5	5832.0
5°	6604.4	6415.0	6125.5	5863.2	5523.8	5251.1	4976.2	4859.6	4709.7	4609.8	4568.1
7.5°	6410.8	6163.0	5711.2	5234.4	4768.0	4270.4	3891.4	3641.6	3414.6	3289.7	3264.7
10°	6215.1	5892.3	5244.8	4561.9	3839.4	3243.9	2731.7	2352.8	2044.6	1905.1	1796.9
12.5°	6013.1	5611.3	4770.1	3879.0	3039.9	2227.8	1594.9	1226.4	1005.7	918.2	932.8
15°	5827.8	5340.6	4299.5	3196.0	2140.4	1345.0	880.7	743.3	691.3	674.6	672.5
17.5°	5650.8	5084.5	3831.1	2531.8	1411.7	824.5	674.6	641.3	626.7	618.4	618.4
20°	5490.5	4838.8	3373.0	1907.2	912.0	653.8	610.1	593.4	580.9	574.7	574.7
22.5°	5340.6	4601.4	2925.4	1349.2	672.5	587.2	560.1	543.4	528.9	520.5	520.5
25°	5205.3	4387.0	2498.5	928.6	578.8	537.2	508.0	489.3	464.3	449.7	449.7
27.5°	5107.4	4195.4	2088.3	676.7	522.6	483.0	449.7	424.7	397.7	381.0	376.9
30°	5049.1	4033.0	1674.0	555.9	470.6	431.0	393.5	362.3	331.1	314.4	312.3
32.5°	5015.8	3883.1	1295.1	485.1	426.8	381.0	339.4	306.1	274.8	256.1	254.0
35°	5028.3	3766.5	970.3	437.2	385.2	337.3	291.5	258.2	231.1	214.5	210.3
37.5°	5136.5	3714.5	728.7	399.8	349.8	299.8	251.9	220.7	195.7	183.2	181.1
40°	5346.8	3724.9	572.6	370.6	320.6	262.3	216.5	187.4	168.7	158.2	156.2
42.5°	5673.7	3812.3	472.6	345.6	289.4	229.0	187.4	164.5	145.7	135.3	133.3
45°	6160.9	3993.5	412.3	316.5	256.1	197.8	162.4	141.6	124.9	112.4	110.4
47.5°	6866.8	4307.9	372.7	289.4	226.9	170.7	139.5	118.7	104.1	93.7	91.6
50°	7618.4	4684.7	339.4	262.3	202.0	147.8	118.7	97.9	85.4	75.0	72.9
52.5°	8420.0	5090.7	314.4	237.4	179.1	127.0	99.9	81.2	68.7	58.3	56.2
55°	9190.4	5498.8	285.2	220.7	152.0	108.3	83.3	66.6	54.1	45.8	45.8
57.5°	9940.0	5873.6	254.0	193.6	124.9	91.6	68.7	54.1	43.7	37.5	35.4
60°	10835.3	6392.1	218.6	164.5	104.1	77.0	56.2	43.7	35.4	29.1	29.1
62.5°	12165.7	6931.3	187.4	137.4	87.4	64.5	45.8	35.4	29.1	25.0	22.9
65°	12600.9	6639.8	158.2	112.4	70.8	52.1	37.5	31.2	25.0	22.9	20.8
67.5°	11439.1	5442.6	131.2	91.6	58.3	43.7	33.3	27.1	22.9	20.8	18.7
70°	8926.0	3862.3	102.0	68.7	47.9	35.4	29.1	25.0	20.8	18.7	18.7
72.5°	6071.4	2284.1	81.2	52.1	39.6	31.2	25.0	22.9	20.8	18.7	16.7
75°	2989.9	812.0	62.5	39.6	31.2	27.1	22.9	20.8	18.7	16.7	16.7
77.5°	805.8	224.9	47.9	31.2	25.0	20.8	20.8	20.8	18.7	14.6	14.6
80°	272.8	93.7	35.4	22.9	20.8	16.7	14.6	18.7	16.7	14.6	12.5
82.5°	149.9	45.8	25.0	18.7	14.6	12.5	12.5	12.5	12.5	10.4	10.4
85°	95.8	25.0	16.7	14.6	14.6	10.4	8.3	8.3	6.2	6.2	6.2
87.5°	43.7	14.6	14.6	12.5	12.5	10.4	6.2	4.2	2.1	2.1	2.1
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)