

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: P642160

Luminaire Tested: GWS-SA6C-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642160
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22682.3 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

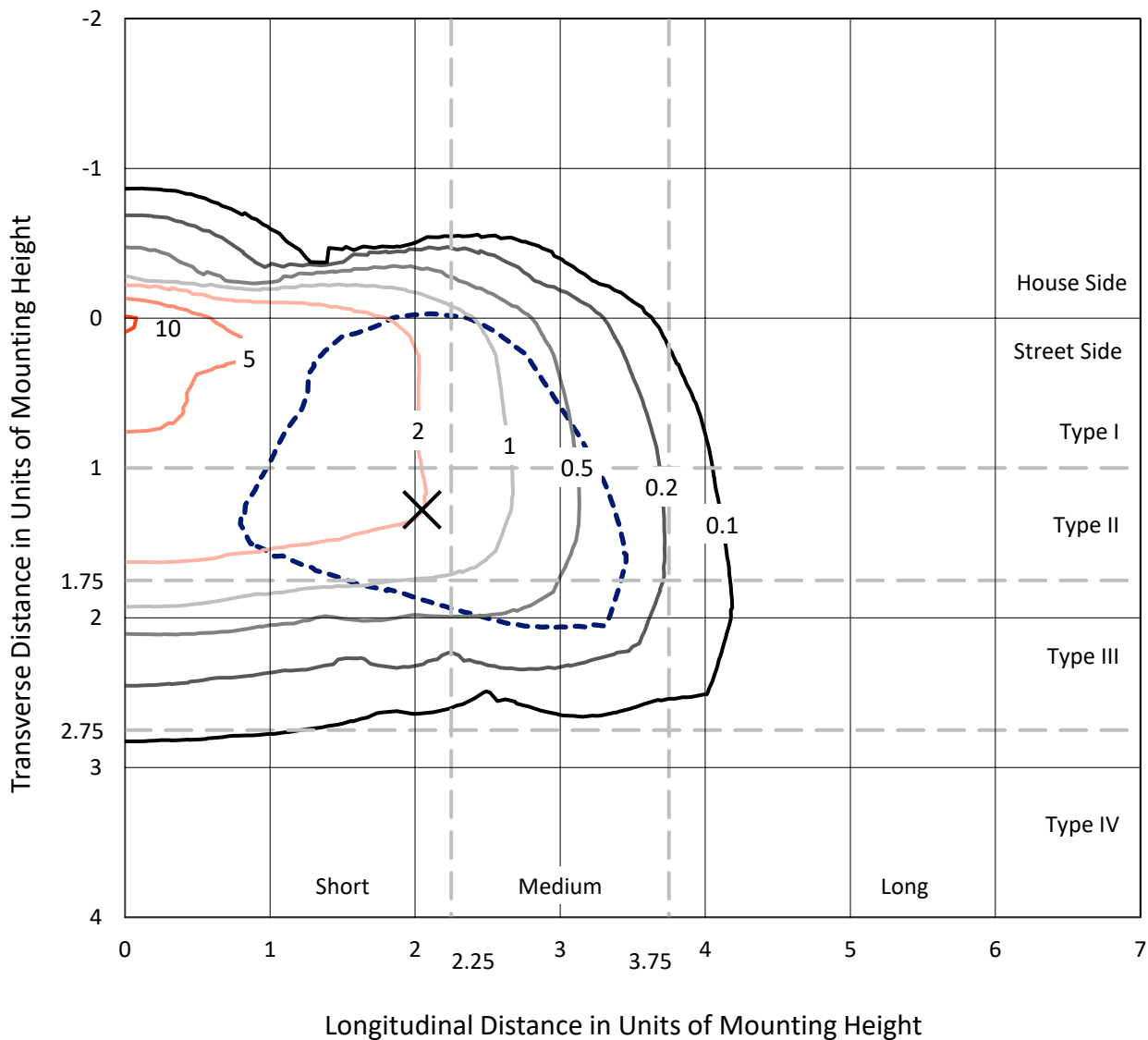
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

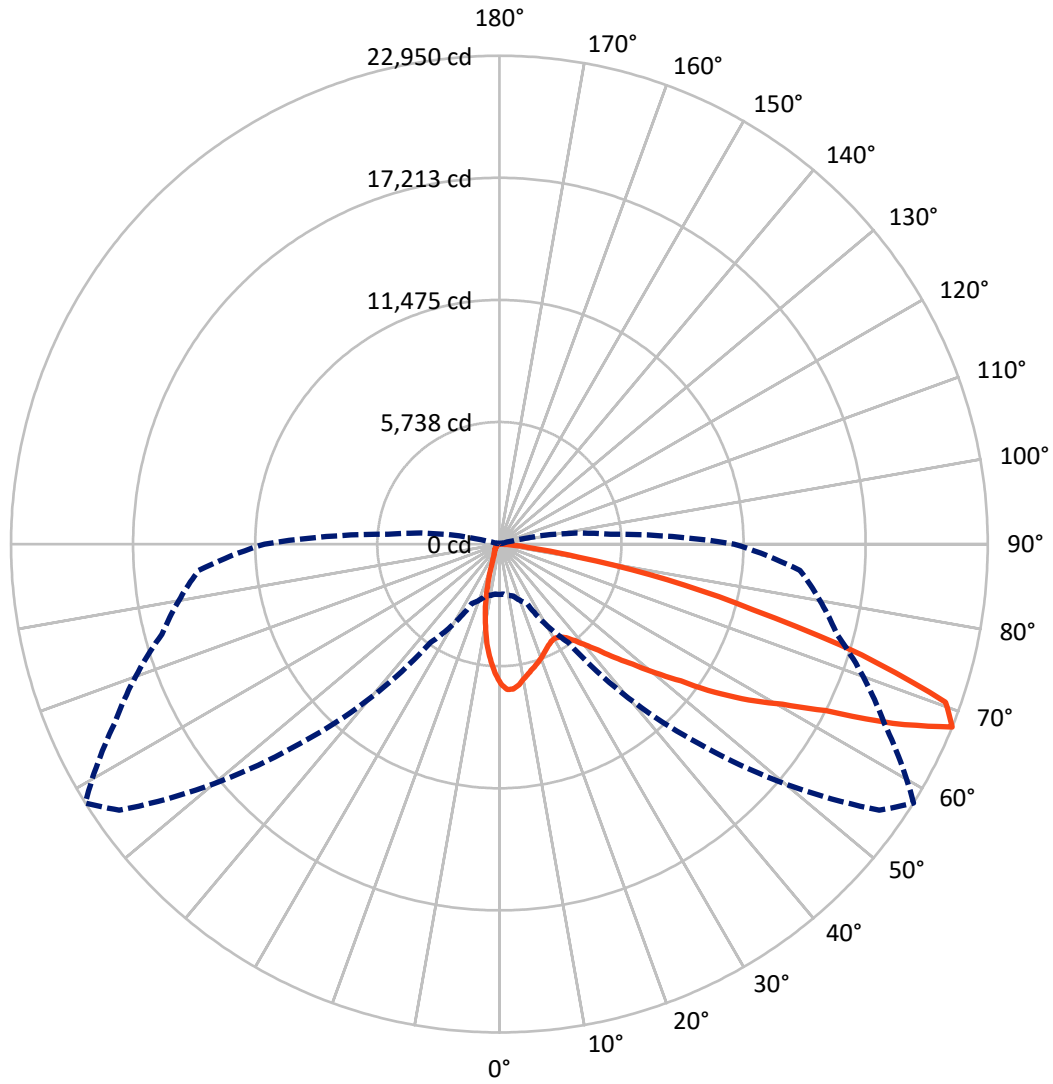
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	2215.9	0.0	2215.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	20466.4	0.0	20466.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	22682.3	0.0	22682.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.7	2.3
10°-20°	1106.7	4.9
20°-30°	1492.5	6.6
30°-40°	2097.2	9.2
40°-50°	3239.0	14.3
50°-60°	5179.6	22.8
60°-70°	6133.0	27.0
70°-80°	2713.1	12.0
80°-90°	189.7	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°	22682.3	100.0
0°-180°	22682.3	100.0

Coefficient of Utilization

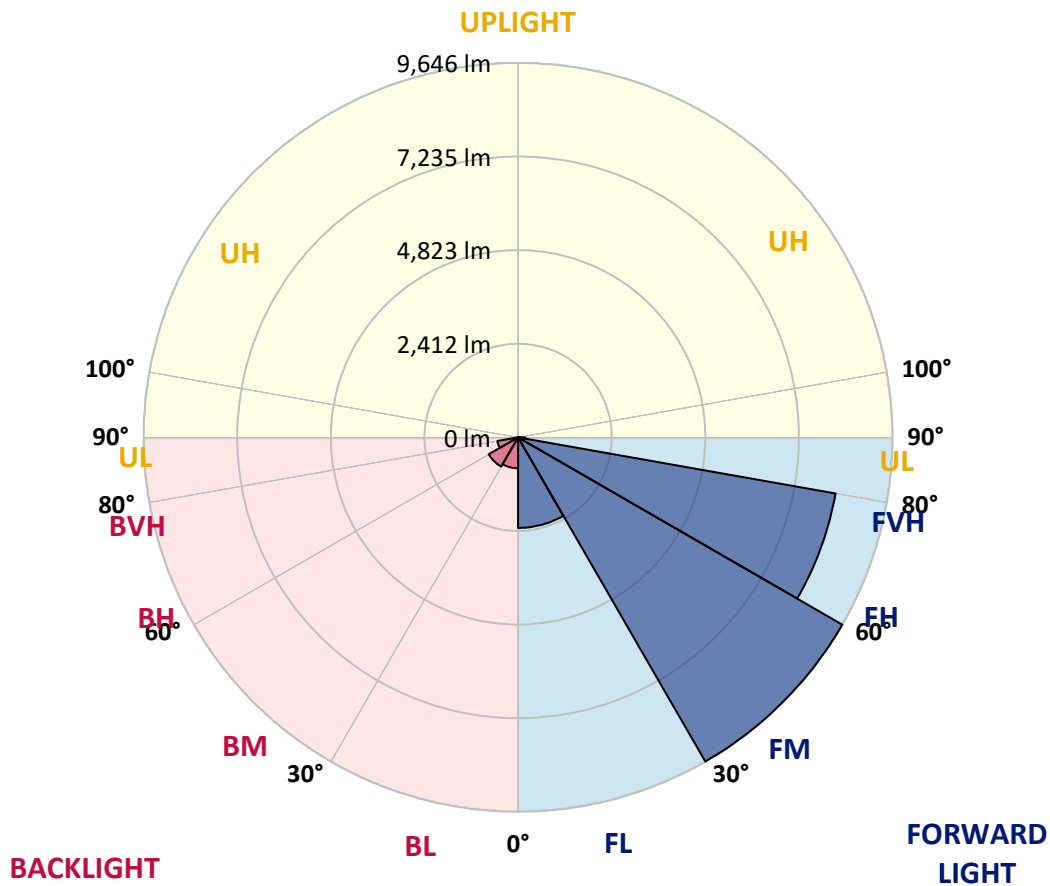


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2333.4	10.3			
FM (30°-60°)	9646.3	42.5			
FH (60°-80°)	8305.1	36.6			G4/12000
FVH (80°-90°)	181.6	0.8			G2/225
BL (0°-30°)	797.4	3.5	B2/1000		
BM (30°-60°)	869.5	3.8	B1/1000		
BH (60°-80°)	541.0	2.4	B2/1000		G2/1000
BVH (80°-90°)	8.1	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°	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6
2.5°	6881.9	6894.0	6910.0	6930.1	6926.1	6908.0	6885.9	6835.7	6803.6	6703.2	6580.8
5°	6661.1	6659.1	6699.2	6737.4	6805.6	6841.8	6892.0	6845.8	6829.7	6709.3	6510.5
7.5°	6229.5	6251.5	6297.7	6357.9	6456.3	6562.7	6683.2	6669.1	6717.3	6637.0	6390.1
10°	5805.9	5793.8	5866.1	5956.4	6107.0	6243.5	6418.2	6416.2	6542.6	6534.6	6253.6
12.5°	5434.5	5432.5	5488.7	5591.1	5767.7	5958.4	6195.3	6201.4	6357.9	6422.2	6137.1
15°	5121.3	5125.3	5179.5	5285.9	5468.6	5701.5	5976.5	6026.7	6203.4	6333.9	6022.7
17.5°	4898.4	4900.5	4932.6	5024.9	5203.6	5452.5	5783.8	5852.0	6078.9	6267.6	5930.3
20°	4796.1	4788.0	4794.1	4840.2	4978.8	5205.6	5587.0	5675.4	5964.5	6221.4	5846.0
22.5°	4810.1	4798.1	4770.0	4763.9	4826.2	4998.8	5378.3	5486.7	5840.0	6193.3	5769.7
25°	4934.6	4908.5	4868.3	4808.1	4784.0	4870.3	5195.6	5308.0	5723.6	6195.3	5711.5
27.5°	5125.3	5097.2	5047.0	4966.7	4872.3	4836.2	5071.1	5177.5	5641.2	6241.5	5683.4
30°	5368.2	5346.1	5298.0	5201.6	5075.1	4926.6	5045.0	5133.3	5601.1	6335.9	5695.4
32.5°	5655.3	5639.2	5599.1	5510.8	5366.2	5139.4	5133.3	5201.6	5633.2	6472.4	5741.6
35°	5932.3	5938.4	5940.4	5892.2	5737.6	5462.6	5376.2	5400.3	5765.7	6677.1	5846.0
37.5°	6231.5	6217.4	6289.7	6323.8	6175.3	5882.2	5751.7	5753.7	6018.7	6980.3	6042.8
40°	6458.3	6462.3	6618.9	6759.5	6697.2	6414.2	6227.5	6225.4	6408.1	7395.9	6360.0
42.5°	6671.1	6697.2	6928.1	7169.0	7255.3	7004.4	6869.9	6819.7	6954.2	7958.0	6835.7
45°	6898.0	6936.1	7259.3	7602.6	7829.5	7680.9	7574.5	7594.6	7610.7	8612.4	7476.2
47.5°	7163.0	7187.1	7586.6	8070.4	8494.0	8455.8	8461.9	8437.8	8429.7	9437.5	8323.3
50°	7484.2	7540.4	8000.1	8578.3	9156.5	9409.4	9493.8	9503.8	9373.3	10336.9	9200.7
52.5°	8166.8	8235.0	8628.5	9134.4	9879.2	10411.2	10754.5	10686.2	10485.5	11208.2	10162.3
55°	8971.8	9024.0	9403.4	9927.4	10762.5	11509.3	12324.4	12296.3	11804.5	12125.7	10953.3
57.5°	9048.1	9106.3	9694.5	10497.5	11896.8	12866.5	13723.7	13814.0	13093.3	12776.1	11659.9
60°	8190.8	8309.3	9112.3	10192.4	12330.4	14691.3	15257.5	15275.5	14038.9	13436.6	12523.2
62.5°	6564.7	6620.9	7430.0	8839.3	11661.9	15755.3	17600.3	17218.8	15253.4	14458.5	13890.3
65°	3441.0	3669.8	4374.5	5934.3	9457.6	15383.9	20418.9	20314.5	17437.7	15922.0	14954.3
67.5°	2360.9	2358.9	2525.5	3093.7	5639.2	13245.9	21802.1	22950.4	19963.2	16423.9	14183.4
70°	1796.8	1802.8	1951.3	2320.7	2921.0	8817.2	20284.4	22247.8	20433.0	14912.2	11471.2
72.5°	1192.5	1204.5	1451.5	1875.1	2332.8	4322.3	15763.4	17801.0	17192.7	11977.1	8074.4
75°	712.7	722.7	899.4	1363.1	2073.8	2419.1	10015.7	12306.3	11834.6	8255.1	4328.3
77.5°	293.1	301.1	461.7	849.2	1517.7	1879.1	5538.9	8052.3	7088.7	3282.4	1182.5
80°	122.5	126.5	222.8	594.2	1094.1	1178.4	2565.7	3784.3	2904.9	706.7	361.4
82.5°	44.2	46.2	82.3	327.2	680.6	887.3	1294.9	1495.6	819.1	230.9	194.7
85°	2.0	2.0	20.1	110.4	259.0	250.9	740.8	716.7	271.0	96.4	116.4
87.5°	0.0	0.0	2.0	2.0	4.0	10.0	70.3	124.5	58.2	24.1	50.2
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°	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6	6542.6
2.5°	6500.5	6394.1	6277.6	6169.2	5996.6	5894.2	5767.7	5711.5	5631.2	5611.1	5623.2
5°	6368.0	6185.3	5906.2	5653.3	5326.1	5063.1	4798.1	4685.6	4541.1	4444.7	4404.6
7.5°	6181.3	5942.4	5506.7	5047.0	4597.3	4117.5	3752.1	3511.2	3292.4	3171.9	3147.9
10°	5992.6	5681.4	5057.0	4398.6	3701.9	3127.8	2633.9	2268.5	1971.4	1836.9	1732.5
12.5°	5797.8	5410.4	4599.3	3740.1	2931.0	2148.1	1537.8	1182.5	969.7	885.3	899.4
15°	5619.2	5149.4	4145.6	3081.6	2063.8	1296.9	849.2	716.7	666.5	650.4	648.4
17.5°	5448.5	4902.5	3693.9	2441.2	1361.1	795.0	650.4	618.3	604.3	596.2	596.2
20°	5293.9	4665.6	3252.2	1838.9	879.3	630.4	588.2	572.2	560.1	554.1	554.1
22.5°	5149.4	4436.7	2820.6	1300.9	648.4	566.1	540.0	524.0	509.9	501.9	501.9
25°	5018.9	4229.9	2409.1	895.4	558.1	518.0	489.8	471.8	447.7	433.6	433.6
27.5°	4924.5	4045.2	2013.6	652.5	503.9	465.8	433.6	409.5	383.4	367.4	363.4
30°	4868.3	3888.6	1614.1	536.0	453.7	415.6	379.4	349.3	319.2	303.1	301.1
32.5°	4836.2	3744.1	1248.7	467.8	411.5	367.4	327.2	295.1	265.0	246.9	244.9
35°	4848.3	3631.7	935.5	421.6	371.4	325.2	281.1	248.9	222.8	206.8	202.8
37.5°	4952.7	3581.5	702.6	385.5	337.3	289.1	242.9	212.8	188.7	176.7	174.7
40°	5155.4	3591.5	552.1	357.3	309.2	253.0	208.8	180.7	162.6	152.6	150.6
42.5°	5470.6	3675.8	455.7	333.3	279.1	220.8	180.7	158.6	140.5	130.5	128.5
45°	5940.4	3850.5	397.5	305.1	246.9	190.7	156.6	136.5	120.5	108.4	106.4
47.5°	6620.9	4153.6	359.4	279.1	218.8	164.6	134.5	114.4	100.4	90.3	88.3
50°	7345.7	4517.0	327.2	253.0	194.7	142.5	114.4	94.4	82.3	72.3	70.3
52.5°	8118.6	4908.5	303.1	228.9	172.7	122.5	96.4	78.3	66.2	56.2	54.2
55°	8861.4	5302.0	275.0	212.8	146.6	104.4	80.3	64.2	52.2	44.2	44.2
57.5°	9584.1	5663.3	244.9	186.7	120.5	88.3	66.2	52.2	42.2	36.1	34.1
60°	10447.3	6163.2	210.8	158.6	100.4	74.3	54.2	42.2	34.1	28.1	28.1
62.5°	11730.2	6683.2	180.7	132.5	84.3	62.2	44.2	34.1	28.1	24.1	22.1
65°	12149.8	6402.1	152.6	108.4	68.3	50.2	36.1	30.1	24.1	22.1	20.1
67.5°	11029.5	5247.8	126.5	88.3	56.2	42.2	32.1	26.1	22.1	20.1	18.1
70°	8606.4	3724.0	98.4	66.2	46.2	34.1	28.1	24.1	20.1	18.1	18.1
72.5°	5854.0	2202.3	78.3	50.2	38.1	30.1	24.1	22.1	20.1	18.1	16.1
75°	2882.9	782.9	60.2	38.1	30.1	26.1	22.1	20.1	18.1	16.1	16.1
77.5°	776.9	216.8	46.2	30.1	24.1	20.1	20.1	20.1	18.1	14.1	14.1
80°	263.0	90.3	34.1	22.1	20.1	16.1	14.1	18.1	16.1	14.1	12.0
82.5°	144.5	44.2	24.1	18.1	14.1	12.0	12.0	12.0	12.0	10.0	10.0
85°	92.3	24.1	16.1	14.1	14.1	10.0	8.0	8.0	6.0	6.0	6.0
87.5°	42.2	14.1	14.1	12.0	12.0	10.0	6.0	4.0	2.0	2.0	2.0
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)