

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: P639685

Luminaire Tested: GWS-SA5C-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639685
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19021.9 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

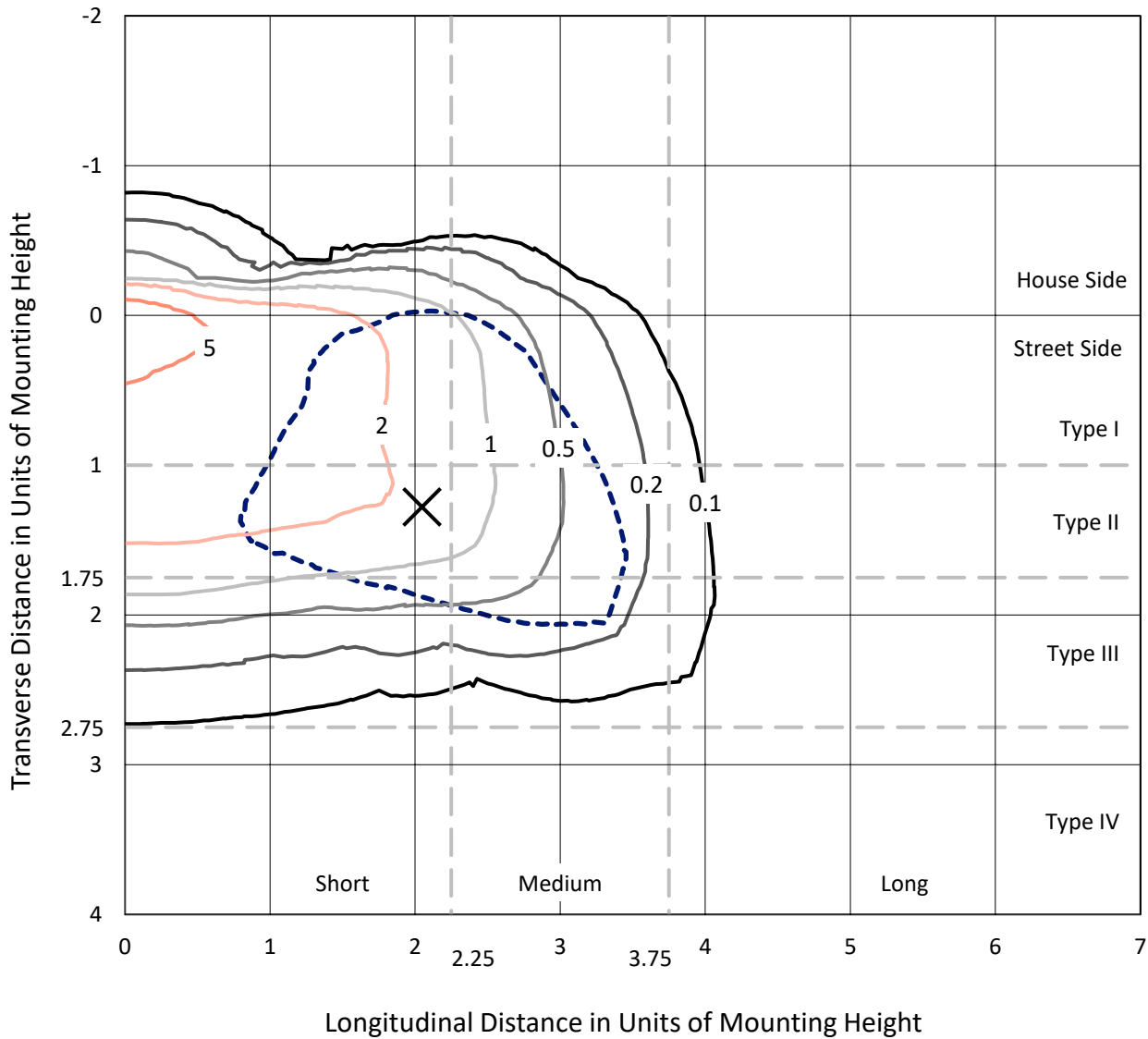
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

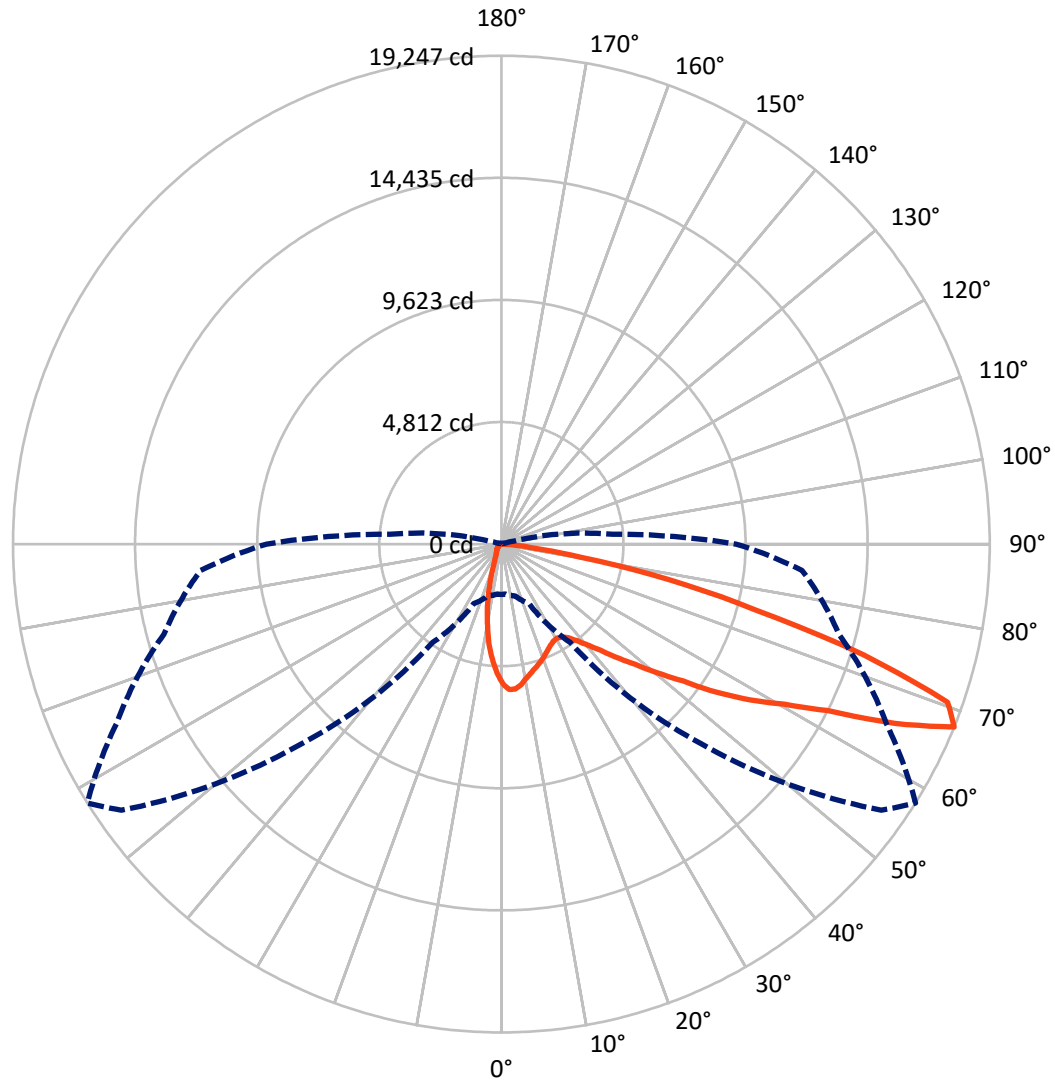
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	1858.3	0.0	1858.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	17163.6	0.0	17163.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	19021.9	0.0	19021.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.9	2.3
10°-20°	928.1	4.9
20°-30°	1251.6	6.6
30°-40°	1758.8	9.2
40°-50°	2716.3	14.3
50°-60°	4343.7	22.8
60°-70°	5143.2	27.0
70°-80°	2275.2	12.0
80°-90°	159.1	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°	19021.9	100.0
0°-180°	19021.9	100.0

Coefficient of Utilization



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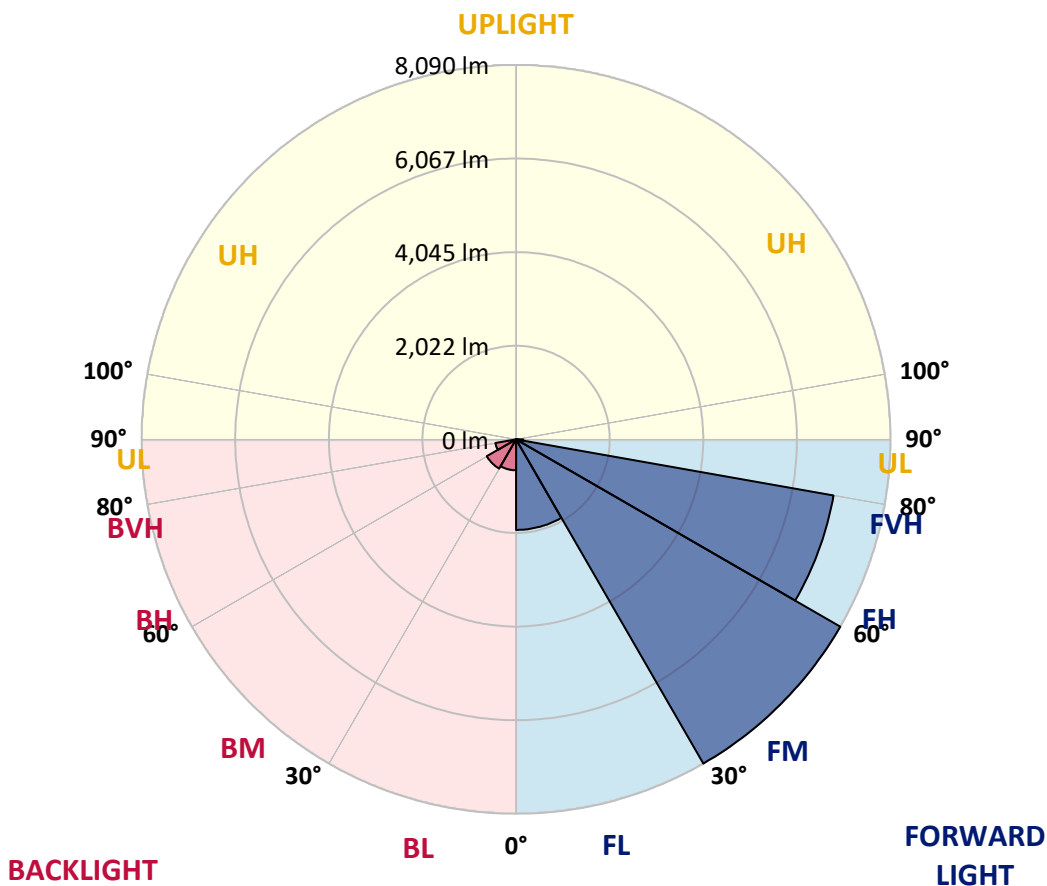
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1956.9	10.3			
FM (30°-60°)	8089.6	42.5			
FH (60°-80°)	6964.8	36.6			G3/7500
FVH (80°-90°)	152.3	0.8			G2/225
BL (0°-30°)	668.7	3.5	B2/1000		
BM (30°-60°)	729.1	3.8	B1/1000		
BH (60°-80°)	453.7	2.4	B1/500		G1/500
BVH (80°-90°)	6.8	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°	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8
2.5°	5771.3	5781.4	5794.9	5811.7	5808.4	5793.2	5774.7	5732.6	5705.7	5621.5	5518.8
5°	5586.1	5584.5	5618.1	5650.1	5707.4	5737.7	5779.8	5741.0	5727.6	5626.5	5459.9
7.5°	5224.2	5242.7	5281.4	5331.9	5414.4	5503.6	5604.7	5592.9	5633.3	5565.9	5358.9
10°	4868.9	4858.8	4919.4	4995.2	5121.5	5236.0	5382.4	5380.7	5486.8	5480.1	5244.4
12.5°	4557.5	4555.8	4602.9	4688.8	4836.9	4996.9	5195.5	5200.6	5331.9	5385.8	5146.7
15°	4294.8	4298.2	4343.7	4432.9	4586.1	4781.4	5012.0	5054.1	5202.3	5311.7	5050.8
17.5°	4108.0	4109.6	4136.6	4214.0	4363.9	4572.6	4850.4	4907.7	5097.9	5256.2	4973.3
20°	4022.1	4015.4	4020.4	4059.1	4175.3	4365.5	4685.4	4759.5	5001.9	5217.4	4902.6
22.5°	4033.9	4023.8	4000.2	3995.2	4047.3	4192.1	4510.3	4601.2	4897.6	5193.9	4838.6
25°	4138.3	4116.4	4082.7	4032.2	4012.0	4084.4	4357.1	4451.4	4799.9	5195.5	4789.8
27.5°	4298.2	4274.6	4232.5	4165.2	4086.1	4055.8	4252.7	4342.0	4730.9	5234.3	4766.2
30°	4501.9	4483.4	4443.0	4362.2	4256.1	4131.5	4230.9	4304.9	4697.2	5313.4	4776.3
32.5°	4742.7	4729.2	4695.5	4621.4	4500.2	4310.0	4304.9	4362.2	4724.1	5427.9	4815.1
35°	4975.0	4980.0	4981.7	4941.3	4811.7	4581.0	4508.6	4528.8	4835.3	5599.6	4902.6
37.5°	5225.9	5214.1	5274.7	5303.3	5178.7	4932.9	4823.5	4825.2	5047.4	5853.8	5067.6
40°	5416.1	5419.5	5550.8	5668.6	5616.4	5379.1	5222.5	5220.8	5374.0	6202.3	5333.6
42.5°	5594.6	5616.4	5810.1	6012.1	6084.5	5874.0	5761.2	5719.1	5831.9	6673.7	5732.6
45°	5784.8	5816.8	6087.8	6375.7	6566.0	6441.4	6352.2	6369.0	6382.5	7222.6	6269.7
47.5°	6007.0	6027.2	6362.3	6768.0	7123.3	7091.3	7096.3	7076.1	7069.4	7914.5	6980.2
50°	6276.4	6323.6	6709.1	7194.0	7678.8	7891.0	7961.7	7970.1	7860.7	8668.8	7715.9
52.5°	6848.8	6906.1	7236.1	7660.3	8284.9	8731.1	9019.0	8961.7	8793.4	9399.5	8522.3
55°	7523.9	7567.7	7885.9	8325.3	9025.7	9652.0	10335.5	10312.0	9899.5	10168.9	9185.6
57.5°	7587.9	7636.7	8130.0	8803.5	9976.9	10790.1	11509.0	11584.8	10980.4	10714.3	9778.3
60°	6869.0	6968.4	7641.8	8547.6	10340.6	12320.5	12795.3	12810.4	11773.3	11268.2	10502.2
62.5°	5505.3	5552.5	6231.0	7412.8	9780.0	13212.8	14760.0	14440.1	12791.9	12125.2	11648.7
65°	2885.7	3077.6	3668.5	4976.7	7931.4	12901.3	17123.8	17036.2	14623.6	13352.5	12541.0
67.5°	1979.9	1978.2	2118.0	2594.4	4729.2	11108.3	18283.8	19246.8	16741.6	13773.4	11894.5
70°	1506.8	1511.9	1636.4	1946.2	2449.6	7394.3	17011.0	18657.5	17135.5	12505.7	9620.0
72.5°	1000.1	1010.2	1217.2	1572.5	1956.3	3624.8	13219.5	14928.4	14418.2	10044.3	6771.4
75°	597.7	606.1	754.2	1143.2	1739.1	2028.7	8399.4	10320.4	9924.7	6922.9	3629.8
77.5°	245.8	252.5	387.2	712.2	1272.8	1575.8	4645.0	6752.9	5944.7	2752.7	991.6
80°	102.7	106.1	186.9	498.3	917.6	988.3	2151.6	3173.6	2436.1	592.6	303.0
82.5°	37.0	38.7	69.0	274.4	570.7	744.1	1085.9	1254.3	686.9	193.6	163.3
85°	1.7	1.7	16.8	92.6	217.2	210.4	621.2	601.0	227.3	80.8	97.6
87.5°	0.0	0.0	1.7	1.7	3.4	8.4	58.9	104.4	48.8	20.2	42.1
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°	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8
2.5°	5451.5	5362.2	5264.6	5173.7	5028.9	4943.0	4836.9	4789.8	4722.5	4705.6	4715.7
5°	5340.3	5187.1	4953.1	4741.0	4466.6	4246.0	4023.8	3929.5	3808.3	3727.5	3693.8
7.5°	5183.8	4983.4	4618.1	4232.5	3855.4	3453.0	3146.6	2944.6	2761.1	2660.1	2639.9
10°	5025.5	4764.6	4241.0	3688.7	3104.5	2623.0	2208.9	1902.5	1653.3	1540.5	1452.9
12.5°	4862.2	4537.3	3857.1	3136.5	2458.0	1801.4	1289.6	991.6	813.2	742.5	754.2
15°	4712.4	4318.4	3476.6	2584.3	1730.7	1087.6	712.2	601.0	559.0	545.5	543.8
17.5°	4569.3	4111.3	3097.8	2047.2	1141.5	666.7	545.5	518.5	506.8	500.0	500.0
20°	4439.6	3912.7	2727.4	1542.2	737.4	528.6	493.3	479.8	469.7	464.7	464.7
22.5°	4318.4	3720.7	2365.4	1091.0	543.8	474.8	452.9	439.4	427.6	420.9	420.9
25°	4209.0	3547.3	2020.3	750.9	468.0	434.4	410.8	395.6	375.4	363.7	363.7
27.5°	4129.8	3392.4	1688.6	547.2	422.6	390.6	363.7	343.5	321.6	308.1	304.7
30°	4082.7	3261.1	1353.6	449.5	380.5	348.5	318.2	292.9	267.7	254.2	252.5
32.5°	4055.8	3139.9	1047.2	392.3	345.1	308.1	274.4	247.5	222.2	207.1	205.4
35°	4065.9	3045.6	784.6	353.6	311.5	272.7	235.7	208.8	186.9	173.4	170.0
37.5°	4153.4	3003.5	589.3	323.2	282.8	242.4	203.7	178.5	158.3	148.2	146.5
40°	4323.5	3011.9	463.0	299.7	259.3	212.1	175.1	151.5	136.4	128.0	126.3
42.5°	4587.8	3082.6	382.2	279.5	234.0	185.2	151.5	133.0	117.9	109.4	107.7
45°	4981.7	3229.1	333.4	255.9	207.1	159.9	131.3	114.5	101.0	90.9	89.2
47.5°	5552.5	3483.3	301.4	234.0	183.5	138.1	112.8	96.0	84.2	75.8	74.1
50°	6160.2	3788.1	274.4	212.1	163.3	119.5	96.0	79.1	69.0	60.6	58.9
52.5°	6808.4	4116.4	254.2	191.9	144.8	102.7	80.8	65.7	55.6	47.1	45.5
55°	7431.4	4446.4	230.7	178.5	122.9	87.5	67.3	53.9	43.8	37.0	37.0
57.5°	8037.4	4749.4	205.4	156.6	101.0	74.1	55.6	43.8	35.4	30.3	28.6
60°	8761.4	5168.6	176.8	133.0	84.2	62.3	45.5	35.4	28.6	23.6	23.6
62.5°	9837.2	5604.7	151.5	111.1	70.7	52.2	37.0	28.6	23.6	20.2	18.5
65°	10189.1	5369.0	128.0	90.9	57.2	42.1	30.3	25.3	20.2	18.5	16.8
67.5°	9249.6	4400.9	106.1	74.1	47.1	35.4	26.9	21.9	18.5	16.8	15.2
70°	7217.5	3123.1	82.5	55.6	38.7	28.6	23.6	20.2	16.8	15.2	15.2
72.5°	4909.3	1846.9	65.7	42.1	32.0	25.3	20.2	18.5	16.8	15.2	13.5
75°	2417.6	656.6	50.5	32.0	25.3	21.9	18.5	16.8	15.2	13.5	13.5
77.5°	651.5	181.8	38.7	25.3	20.2	16.8	16.8	16.8	15.2	11.8	11.8
80°	220.5	75.8	28.6	18.5	16.8	13.5	11.8	15.2	13.5	11.8	10.1
82.5°	121.2	37.0	20.2	15.2	11.8	10.1	10.1	10.1	10.1	8.4	8.4
85°	77.4	20.2	13.5	11.8	11.8	8.4	6.7	6.7	5.1	5.1	5.1
87.5°	35.4	11.8	11.8	10.1	10.1	8.4	5.1	3.4	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)