

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: P639740

Luminaire Tested: GWS-SA5C-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639740
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19286.2 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

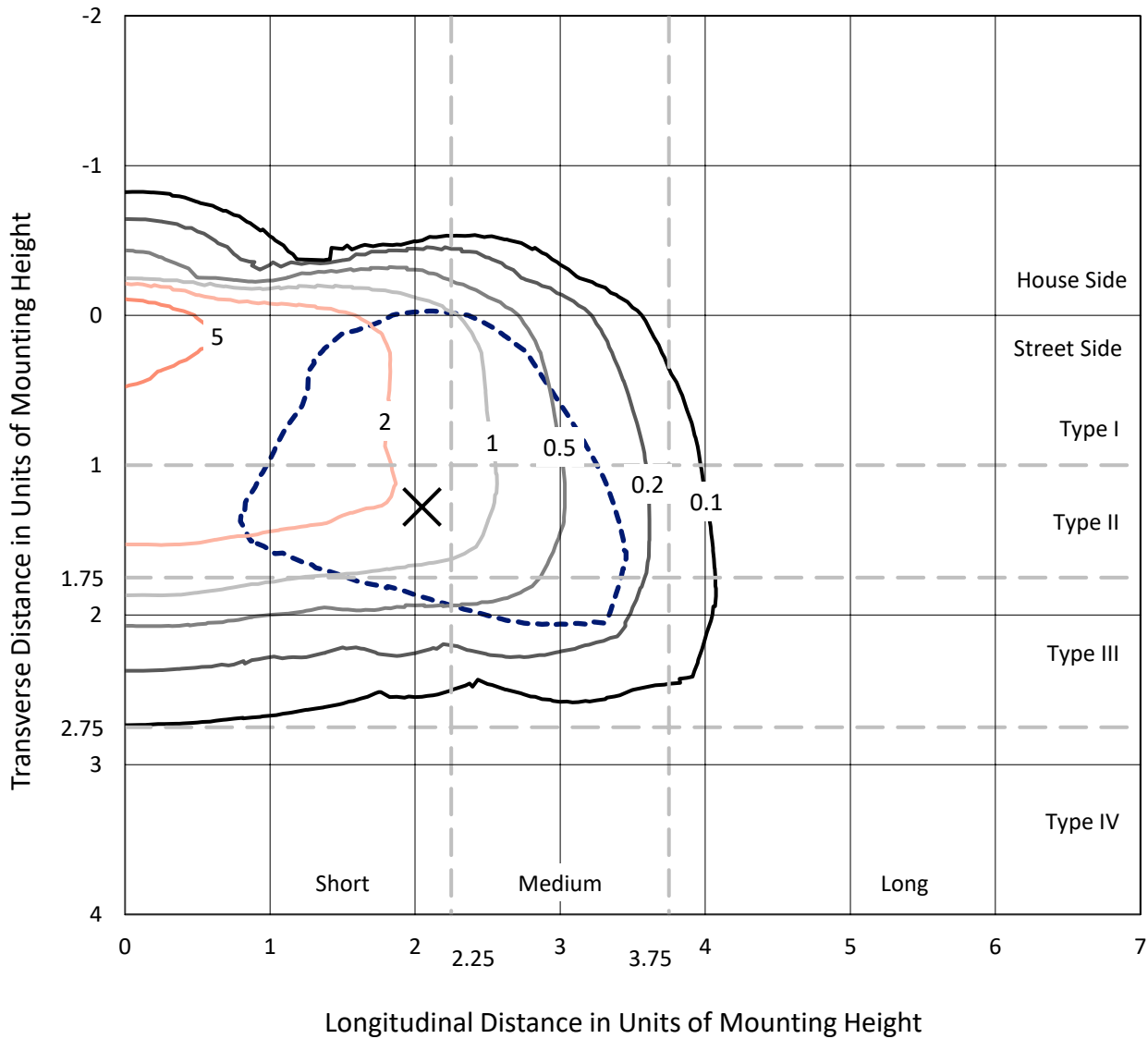
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

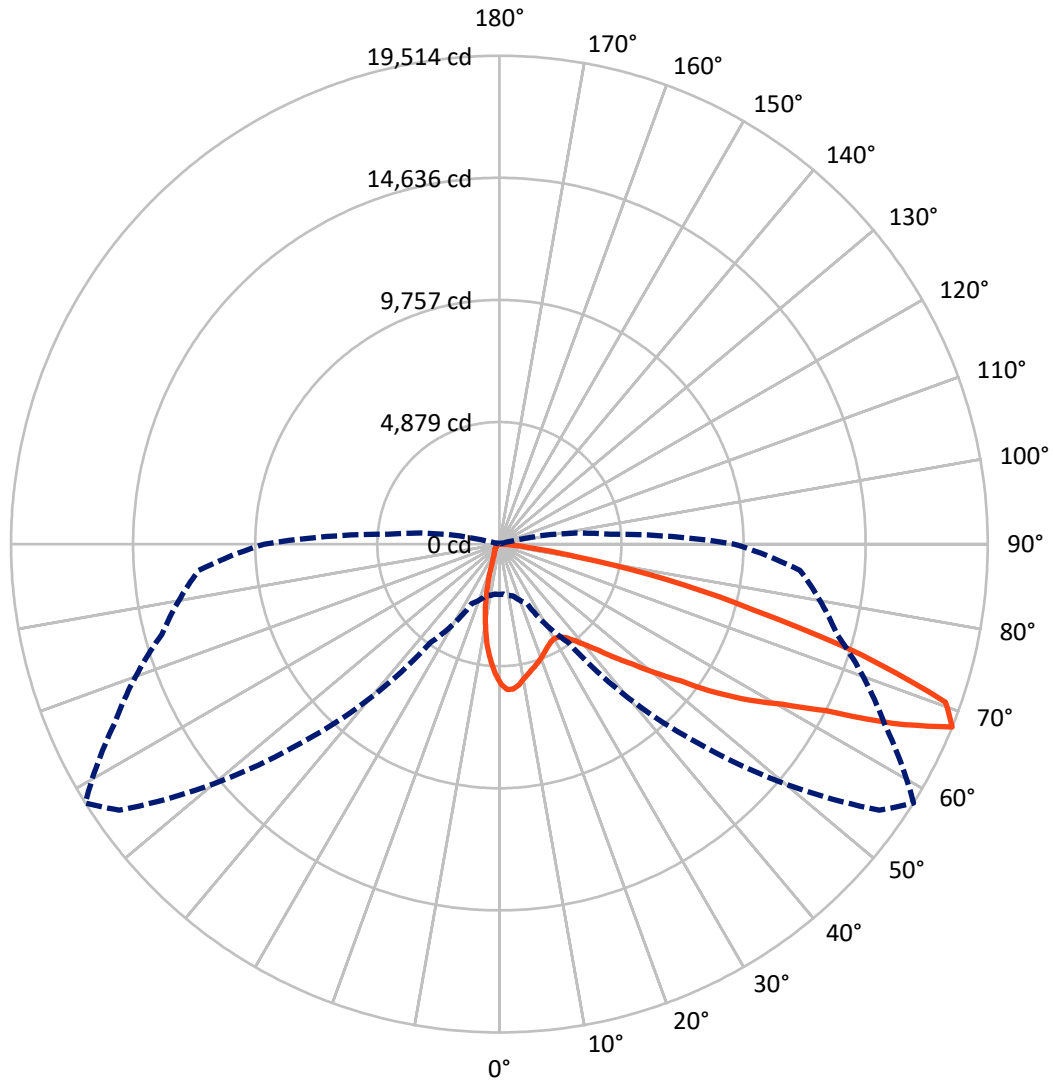
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	1884.1	0.0	1884.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	17402.1	0.0	17402.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	19286.2	0.0	19286.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.1	2.3
10°-20°	941.0	4.9
20°-30°	1269.0	6.6
30°-40°	1783.2	9.2
40°-50°	2754.0	14.3
50°-60°	4404.0	22.8
60°-70°	5214.7	27.0
70°-80°	2306.9	12.0
80°-90°	161.3	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°	19286.2	100.0
0°-180°	19286.2	100.0

Coefficient of Utilization



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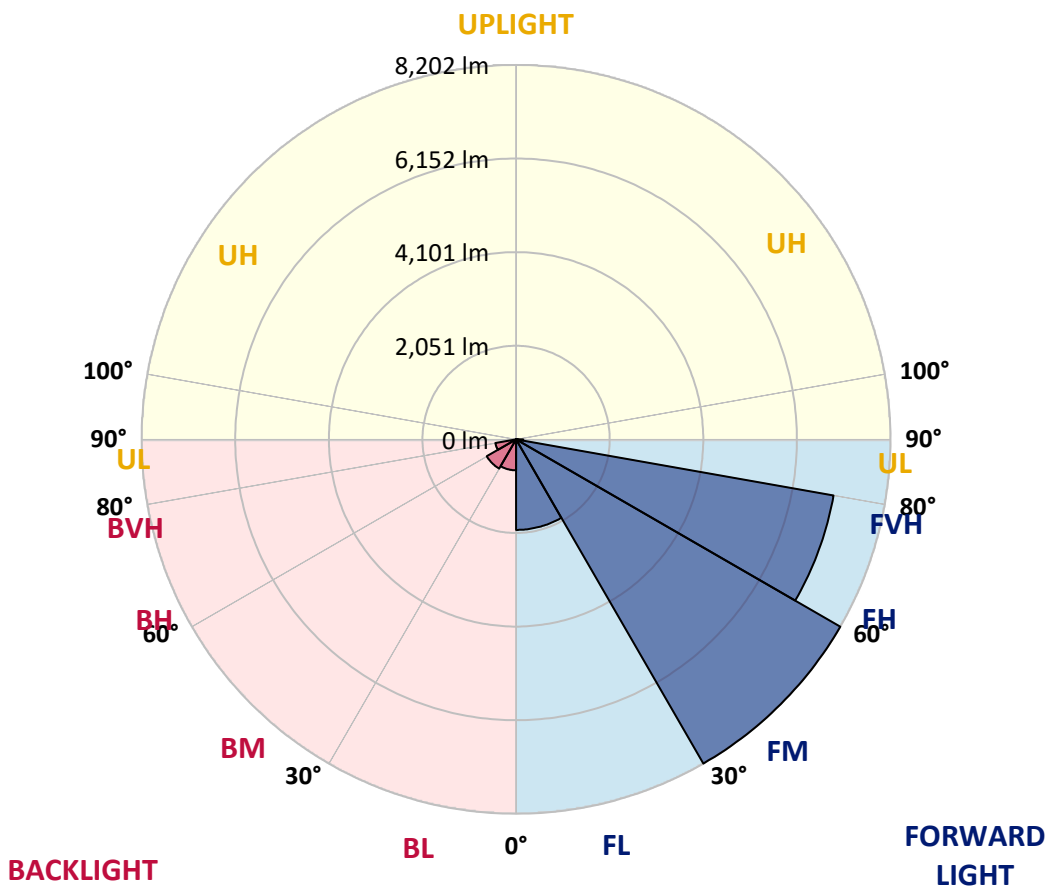
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1984.1	10.3			
FM (30°-60°)	8202.0	42.5			
FH (60°-80°)	7061.6	36.6			G3/7500
FVH (80°-90°)	154.4	0.8			G2/225
BL (0°-30°)	678.0	3.5	B2/1000		
BM (30°-60°)	739.3	3.8	B1/1000		
BH (60°-80°)	460.0	2.4	B1/500		G1/500
BVH (80°-90°)	6.9	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°	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0
2.5°	5851.5	5861.8	5875.4	5892.5	5889.1	5873.7	5854.9	5812.3	5785.0	5699.6	5595.5
5°	5663.8	5662.1	5696.2	5728.6	5786.7	5817.4	5860.1	5820.8	5807.1	5704.7	5535.7
7.5°	5296.8	5315.5	5354.8	5406.0	5489.6	5580.1	5682.5	5670.6	5711.6	5643.3	5433.3
10°	4936.6	4926.3	4987.8	5064.6	5192.6	5308.7	5457.2	5455.5	5563.0	5556.2	5317.2
12.5°	4620.8	4619.1	4666.9	4753.9	4904.2	5066.3	5267.7	5272.9	5406.0	5460.6	5218.2
15°	4354.5	4357.9	4404.0	4494.5	4649.8	4847.8	5081.7	5124.4	5274.6	5385.5	5120.9
17.5°	4165.0	4166.7	4194.0	4272.6	4424.5	4636.2	4917.8	4975.8	5168.7	5329.2	5042.4
20°	4078.0	4071.1	4076.3	4115.5	4233.3	4426.2	4750.5	4825.6	5071.4	5289.9	4970.7
22.5°	4089.9	4079.7	4055.8	4050.7	4103.6	4250.4	4573.0	4665.2	4965.6	5266.0	4905.9
25°	4195.8	4173.6	4139.4	4088.2	4067.7	4141.1	4417.7	4513.3	4866.6	5267.7	4856.4
27.5°	4357.9	4334.0	4291.3	4223.1	4142.8	4112.1	4311.8	4402.3	4796.6	5307.0	4832.5
30°	4564.5	4545.7	4504.7	4422.8	4315.2	4188.9	4289.6	4364.7	4762.5	5387.2	4842.7
32.5°	4808.6	4794.9	4760.8	4685.7	4562.8	4369.9	4364.7	4422.8	4789.8	5503.3	4882.0
35°	5044.1	5049.2	5051.0	5010.0	4878.5	4644.7	4571.3	4591.8	4902.4	5677.4	4970.7
37.5°	5298.5	5286.5	5348.0	5377.0	5250.7	5001.4	4890.5	4892.2	5117.5	5935.2	5138.0
40°	5491.4	5494.8	5627.9	5747.4	5694.5	5453.8	5295.0	5293.3	5448.7	6288.5	5407.7
42.5°	5672.3	5694.5	5890.8	6095.6	6169.0	5955.7	5841.3	5798.6	5913.0	6766.5	5812.3
45°	5865.2	5897.6	6172.4	6464.3	6657.2	6530.9	6440.4	6457.5	6471.2	7322.9	6356.8
47.5°	6090.5	6111.0	6450.7	6862.1	7222.2	7189.8	7194.9	7174.4	7167.6	8024.5	7077.1
50°	6363.6	6411.4	6802.3	7293.9	7785.5	8000.6	8072.3	8080.8	7969.9	8789.2	7823.1
52.5°	6944.0	7002.0	7336.6	7766.8	8400.0	8852.4	9144.3	9086.3	8915.6	9530.1	8640.7
55°	7628.5	7672.9	7995.5	8441.0	9151.1	9786.1	10479.1	10455.2	10037.0	10310.2	9313.3
57.5°	7693.4	7742.9	8243.0	8925.8	10115.6	10940.0	11668.9	11745.7	11132.9	10863.2	9914.1
60°	6964.5	7065.2	7748.0	8666.3	10484.3	12491.7	12973.0	12988.4	11936.9	11424.8	10648.1
62.5°	5581.8	5629.6	6317.5	7515.8	9915.8	13396.4	14965.1	14640.8	12969.6	12293.7	11810.6
65°	2925.8	3120.4	3719.5	5045.8	8041.6	13080.6	17361.7	17272.9	14826.8	13538.1	12715.3
67.5°	2007.4	2005.7	2147.4	2630.5	4794.9	11262.6	18537.8	19514.2	16974.2	13964.8	12059.8
70°	1527.7	1532.9	1659.2	1973.3	2483.7	7497.1	17247.3	18916.7	17373.6	12679.4	9753.7
72.5°	1013.9	1024.2	1234.1	1594.3	1983.5	3675.1	13403.2	15135.8	14618.6	10183.8	6865.5
75°	606.0	614.5	764.7	1159.0	1763.3	2056.9	8516.1	10463.8	10062.6	7019.1	3680.2
77.5°	249.2	256.0	392.6	722.1	1290.5	1597.7	4709.6	6846.7	6027.3	2790.9	1005.4
80°	104.1	107.5	189.5	505.3	930.3	1002.0	2181.5	3217.7	2470.0	600.9	307.3
82.5°	37.6	39.3	70.0	278.2	578.7	754.5	1101.0	1271.7	696.4	196.3	165.6
85°	1.7	1.7	17.1	93.9	220.2	213.4	629.9	609.4	230.4	81.9	99.0
87.5°	0.0	0.0	1.7	1.7	3.4	8.5	59.7	105.8	49.5	20.5	42.7
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°	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0
2.5°	5527.2	5436.7	5337.7	5245.5	5098.7	5011.7	4904.2	4856.4	4788.1	4771.0	4781.2
5°	5414.5	5259.2	5021.9	4806.9	4528.6	4305.0	4079.7	3984.1	3861.2	3779.3	3745.1
7.5°	5255.8	5052.7	4682.2	4291.3	3909.0	3501.0	3190.3	2985.5	2799.4	2697.0	2676.5
10°	5095.3	4830.8	4299.9	3740.0	3147.7	2659.5	2239.6	1928.9	1676.3	1561.9	1473.1
12.5°	4929.8	4600.3	3910.7	3180.1	2492.2	1826.5	1307.5	1005.4	824.5	752.8	764.7
15°	4777.8	4378.4	3524.9	2620.2	1754.8	1102.7	722.1	609.4	566.7	553.1	551.4
17.5°	4632.7	4168.4	3140.8	2075.7	1157.3	676.0	553.1	525.7	513.8	507.0	507.0
20°	4501.3	3967.0	2765.3	1563.6	747.7	536.0	500.1	486.5	476.2	471.1	471.1
22.5°	4378.4	3772.4	2398.3	1106.1	551.4	481.4	459.2	445.5	433.6	426.7	426.7
25°	4267.4	3596.6	2048.4	761.3	474.5	440.4	416.5	401.1	380.7	368.7	368.7
27.5°	4187.2	3439.6	1712.1	554.8	428.5	396.0	368.7	348.2	326.0	312.4	309.0
30°	4139.4	3306.4	1372.4	455.8	385.8	353.3	322.6	297.0	271.4	257.8	256.0
32.5°	4112.1	3183.5	1061.7	397.7	349.9	312.4	278.2	250.9	225.3	210.0	208.3
35°	4122.4	3087.9	795.5	358.5	315.8	276.5	239.0	211.7	189.5	175.8	172.4
37.5°	4211.1	3045.3	597.4	327.7	286.8	245.8	206.5	180.9	160.5	150.2	148.5
40°	4383.5	3053.8	469.4	303.8	262.9	215.1	177.5	153.6	138.3	129.7	128.0
42.5°	4651.5	3125.5	387.5	283.4	237.3	187.8	153.6	134.9	119.5	111.0	109.2
45°	5051.0	3274.0	338.0	259.5	210.0	162.2	133.1	116.1	102.4	92.2	90.5
47.5°	5629.6	3531.7	305.5	237.3	186.1	140.0	114.4	97.3	85.3	76.8	75.1
50°	6245.8	3840.7	278.2	215.1	165.6	121.2	97.3	80.2	70.0	61.5	59.7
52.5°	6903.0	4173.6	257.8	194.6	146.8	104.1	81.9	66.6	56.3	47.8	46.1
55°	7534.6	4508.1	233.9	180.9	124.6	88.8	68.3	54.6	44.4	37.6	37.6
57.5°	8149.1	4815.4	208.3	158.7	102.4	75.1	56.3	44.4	35.8	30.7	29.0
60°	8883.1	5240.4	179.2	134.9	85.3	63.2	46.1	35.8	29.0	23.9	23.9
62.5°	9973.9	5682.5	153.6	112.7	71.7	52.9	37.6	29.0	23.9	20.5	18.8
65°	10330.6	5443.6	129.7	92.2	58.0	42.7	30.7	25.6	20.5	18.8	17.1
67.5°	9378.1	4462.0	107.5	75.1	47.8	35.8	27.3	22.2	18.8	17.1	15.4
70°	7317.8	3166.4	83.6	56.3	39.3	29.0	23.9	20.5	17.1	15.4	15.4
72.5°	4977.6	1872.6	66.6	42.7	32.4	25.6	20.5	18.8	17.1	15.4	13.7
75°	2451.2	665.7	51.2	32.4	25.6	22.2	18.8	17.1	15.4	13.7	13.7
77.5°	660.6	184.4	39.3	25.6	20.5	17.1	17.1	17.1	15.4	11.9	11.9
80°	223.6	76.8	29.0	18.8	17.1	13.7	11.9	15.4	13.7	11.9	10.2
82.5°	122.9	37.6	20.5	15.4	11.9	10.2	10.2	10.2	10.2	8.5	8.5
85°	78.5	20.5	13.7	11.9	11.9	8.5	6.8	6.8	5.1	5.1	5.1
87.5°	35.8	11.9	11.9	10.2	10.2	8.5	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)