

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: P637320

Luminaire Tested: GWS-SA4C-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637320
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-SA4C-750-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16082.2 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

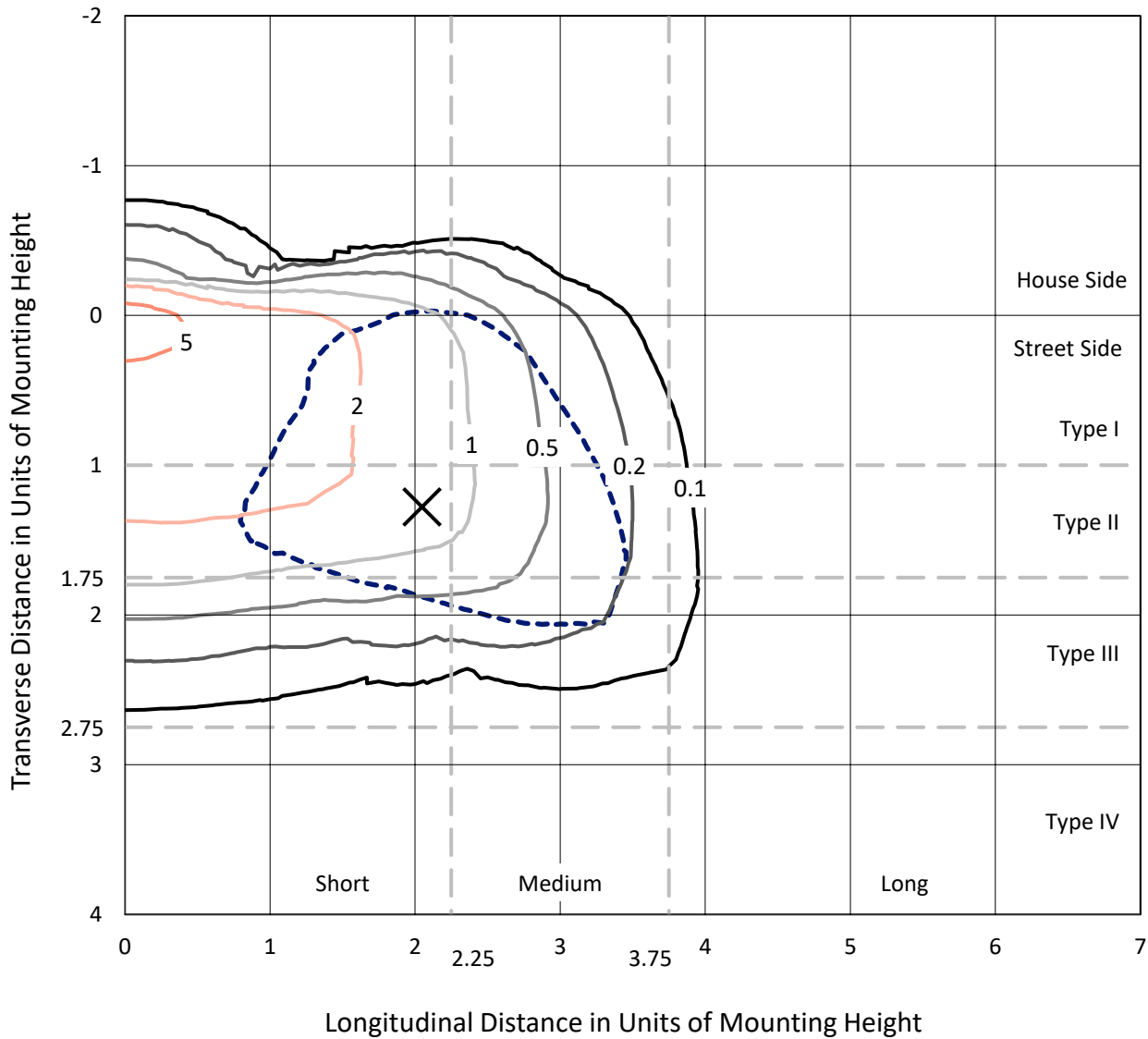
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

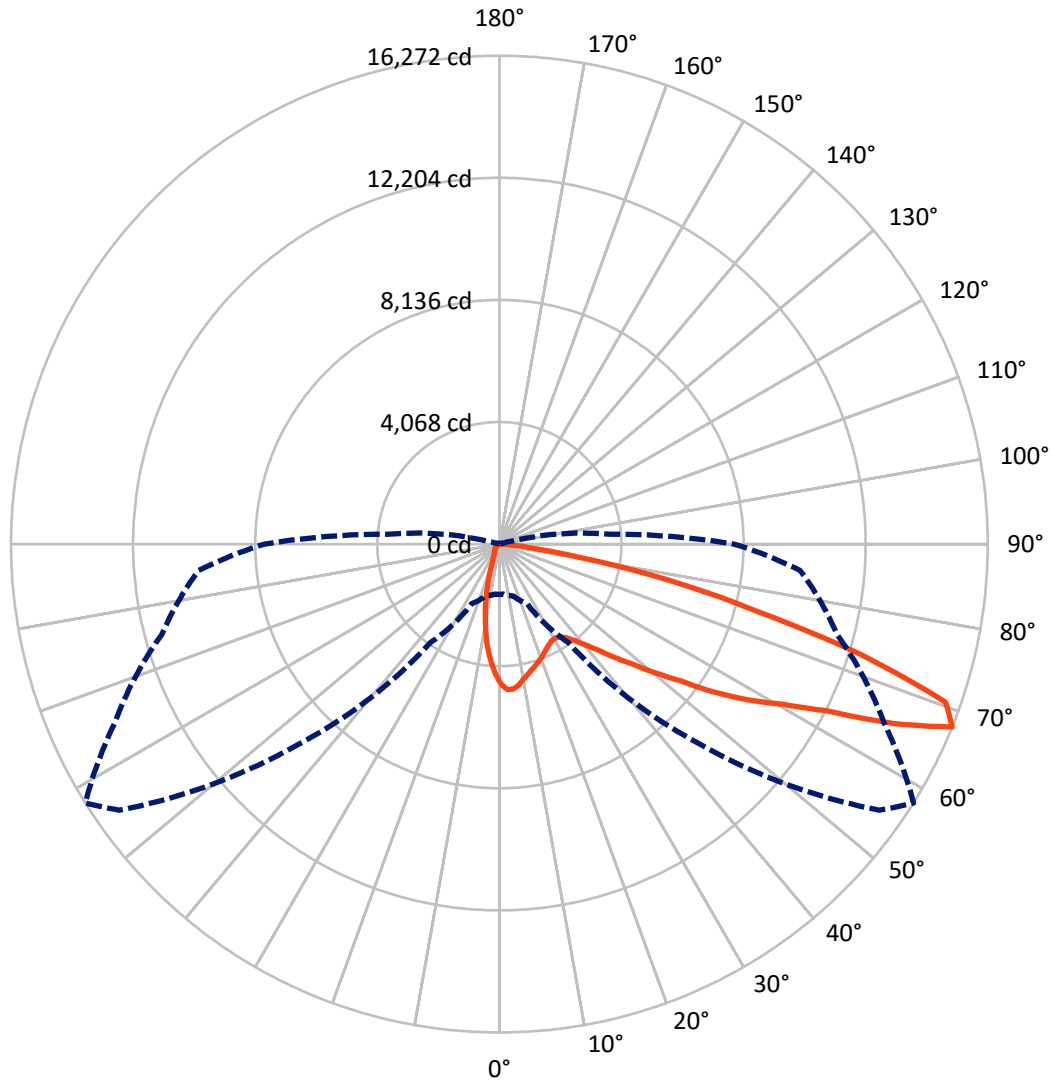
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	1571.1	0.0	1571.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	14511.1	0.0	14511.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	16082.2	0.0	16082.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.0	2.3
10°-20°	784.7	4.9
20°-30°	1058.2	6.6
30°-40°	1487.0	9.2
40°-50°	2296.5	14.3
50°-60°	3672.4	22.8
60°-70°	4348.4	27.0
70°-80°	1923.6	12.0
80°-90°	134.5	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°	16082.2	100.0
0°-180°	16082.2	100.0

Coefficient of Utilization



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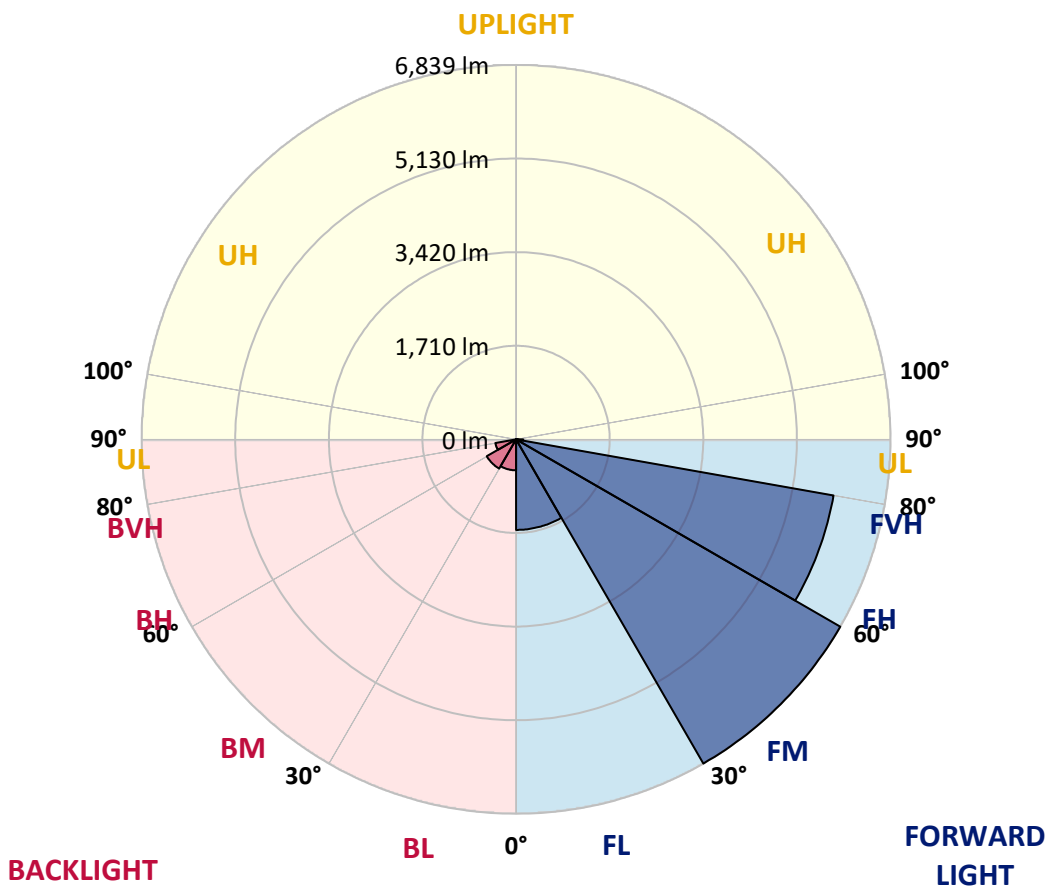
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1654.5	10.3			
FM (30°-60°)	6839.4	42.5			
FH (60°-80°)	5888.4	36.6			G3/7500
FVH (80°-90°)	128.7	0.8			G2/225
BL (0°-30°)	565.4	3.5	B2/1000		
BM (30°-60°)	616.5	3.8	B1/1000		
BH (60°-80°)	383.6	2.4	B1/500		G1/500
BVH (80°-90°)	5.7	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°	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9
2.5°	4879.4	4888.0	4899.3	4913.6	4910.7	4897.9	4882.3	4846.7	4823.9	4752.7	4665.9
5°	4722.8	4721.4	4749.9	4776.9	4825.3	4850.9	4886.5	4853.8	4842.4	4757.0	4616.1
7.5°	4416.8	4432.5	4465.2	4507.9	4577.7	4653.1	4738.5	4728.5	4762.7	4705.8	4530.7
10°	4116.5	4107.9	4159.2	4223.2	4330.0	4426.8	4550.6	4549.2	4638.9	4633.2	4433.9
12.5°	3853.1	3851.7	3891.6	3964.2	4089.4	4224.7	4392.6	4396.9	4507.9	4553.5	4351.3
15°	3631.1	3633.9	3672.4	3747.8	3877.3	4042.5	4237.5	4273.0	4398.3	4490.8	4270.2
17.5°	3473.1	3474.5	3497.3	3562.8	3689.5	3866.0	4100.8	4149.2	4310.1	4443.9	4204.7
20°	3400.5	3394.8	3399.1	3431.8	3530.0	3690.9	3961.3	4024.0	4228.9	4411.1	4144.9
22.5°	3410.5	3401.9	3382.0	3377.7	3421.9	3544.3	3813.3	3890.2	4140.7	4391.2	4090.9
25°	3498.7	3480.2	3451.7	3409.0	3392.0	3453.2	3683.8	3763.5	4058.1	4392.6	4049.6
27.5°	3633.9	3614.0	3578.4	3521.5	3454.6	3429.0	3595.5	3670.9	3999.8	4425.4	4029.6
30°	3806.2	3790.5	3756.4	3688.0	3598.4	3493.0	3577.0	3639.6	3971.3	4492.3	4038.2
32.5°	4009.7	3998.3	3969.9	3907.2	3804.7	3643.9	3639.6	3688.0	3994.1	4589.0	4070.9
35°	4206.1	4210.4	4211.8	4177.7	4068.1	3873.1	3811.9	3828.9	4088.0	4734.2	4144.9
37.5°	4418.2	4408.3	4459.5	4483.7	4378.4	4170.6	4078.0	4079.5	4267.4	4949.2	4284.4
40°	4579.1	4581.9	4693.0	4792.6	4748.5	4547.8	4415.4	4414.0	4543.5	5243.8	4509.3
42.5°	4730.0	4748.5	4912.2	5083.0	5144.2	4966.2	4870.9	4835.3	4930.7	5642.4	4846.7
45°	4890.8	4917.8	5147.0	5390.4	5551.3	5445.9	5370.5	5384.7	5396.1	6106.4	5300.7
47.5°	5078.7	5095.8	5379.0	5722.1	6022.4	5995.4	5999.6	5982.6	5976.9	6691.4	5901.4
50°	5306.4	5346.3	5672.2	6082.2	6492.1	6671.5	6731.3	6738.4	6645.9	7329.1	6523.4
52.5°	5790.4	5838.8	6117.8	6476.5	7004.6	7381.8	7625.2	7576.8	7434.4	7946.8	7205.3
55°	6361.2	6398.2	6667.2	7038.7	7630.8	8160.4	8738.3	8718.3	8369.6	8597.3	7766.1
57.5°	6415.3	6456.5	6873.6	7443.0	8435.1	9122.6	9730.4	9794.4	9283.4	9058.5	8267.1
60°	5807.5	5891.5	6460.8	7226.6	8742.5	10416.4	10817.8	10830.7	9953.8	9526.8	8879.2
62.5°	4654.5	4694.4	5268.0	6267.2	8268.5	11170.8	12478.9	12208.5	10815.0	10251.3	9848.5
65°	2439.7	2602.0	3101.6	4207.6	6705.6	10907.5	14477.4	14403.4	12363.7	11289.0	10602.9
67.5°	1673.9	1672.5	1790.6	2193.5	3998.3	9391.6	15458.1	16272.3	14154.3	11644.8	10056.3
70°	1273.9	1278.2	1383.5	1645.5	2071.0	6251.6	14382.0	15774.1	14487.4	10573.0	8133.3
72.5°	845.5	854.0	1029.1	1329.5	1654.0	3064.6	11176.5	12621.3	12190.0	8492.0	5724.9
75°	505.3	512.4	637.7	966.5	1470.4	1715.2	7101.3	8725.4	8390.9	5853.0	3068.9
77.5°	207.8	213.5	327.4	602.1	1076.1	1332.3	3927.2	5709.3	5026.0	2327.3	838.4
80°	86.8	89.7	158.0	421.3	775.8	835.5	1819.1	2683.1	2059.7	501.0	256.2
82.5°	31.3	32.7	58.4	232.0	482.5	629.1	918.1	1060.4	580.7	163.7	138.1
85°	1.4	1.4	14.2	78.3	183.6	177.9	525.2	508.2	192.2	68.3	82.6
87.5°	0.0	0.0	1.4	1.4	2.8	7.1	49.8	88.3	41.3	17.1	35.6
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°	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9	4638.9
2.5°	4609.0	4533.5	4451.0	4374.1	4251.7	4179.1	4089.4	4049.6	3992.6	3978.4	3986.9
5°	4515.0	4385.5	4187.6	4008.3	3776.3	3589.8	3401.9	3322.2	3219.7	3151.4	3122.9
7.5°	4382.6	4213.3	3904.4	3578.4	3259.6	2919.4	2660.3	2489.5	2334.4	2249.0	2231.9
10°	4248.8	4028.2	3585.5	3118.7	2624.7	2217.7	1867.5	1608.4	1397.8	1302.4	1228.4
12.5°	4110.8	3836.1	3261.0	2651.8	2078.2	1523.0	1090.3	838.4	687.5	627.7	637.7
15°	3984.1	3651.0	2939.3	2184.9	1463.3	919.5	602.1	508.2	472.6	461.2	459.8
17.5°	3863.1	3475.9	2619.1	1730.9	965.1	563.7	461.2	438.4	428.4	422.7	422.7
20°	3753.5	3308.0	2305.9	1303.8	623.4	446.9	417.1	405.7	397.1	392.9	392.9
22.5°	3651.0	3145.7	1999.9	922.4	459.8	401.4	382.9	371.5	361.5	355.9	355.9
25°	3558.5	2999.1	1708.1	634.8	395.7	367.2	347.3	334.5	317.4	307.5	307.5
27.5°	3491.6	2868.2	1427.7	462.6	357.3	330.2	307.5	290.4	271.9	260.5	257.6
30°	3451.7	2757.1	1144.4	380.0	321.7	294.6	269.0	247.7	226.3	214.9	213.5
32.5°	3429.0	2654.6	885.4	331.7	291.8	260.5	232.0	209.2	187.9	175.1	173.7
35°	3437.5	2574.9	663.3	298.9	263.3	230.6	199.3	176.5	158.0	146.6	143.8
37.5°	3511.5	2539.3	498.2	273.3	239.1	205.0	172.2	150.9	133.8	125.3	123.8
40°	3655.3	2546.5	391.4	253.4	219.2	179.3	148.0	128.1	115.3	108.2	106.8
42.5°	3878.8	2606.2	323.1	236.3	197.9	156.6	128.1	112.4	99.6	92.5	91.1
45°	4211.8	2730.1	281.8	216.4	175.1	135.2	111.0	96.8	85.4	76.9	75.4
47.5°	4694.4	2945.0	254.8	197.9	155.2	116.7	95.4	81.1	71.2	64.1	62.6
50°	5208.2	3202.7	232.0	179.3	138.1	101.1	81.1	66.9	58.4	51.2	49.8
52.5°	5756.2	3480.2	214.9	162.3	122.4	86.8	68.3	55.5	47.0	39.9	38.4
55°	6282.9	3759.2	195.0	150.9	103.9	74.0	56.9	45.5	37.0	31.3	31.3
57.5°	6795.3	4015.4	173.7	132.4	85.4	62.6	47.0	37.0	29.9	25.6	24.2
60°	7407.4	4369.8	149.5	112.4	71.2	52.7	38.4	29.9	24.2	19.9	19.9
62.5°	8316.9	4738.5	128.1	93.9	59.8	44.1	31.3	24.2	19.9	17.1	15.7
65°	8614.4	4539.2	108.2	76.9	48.4	35.6	25.6	21.4	17.1	15.7	14.2
67.5°	7820.2	3720.8	89.7	62.6	39.9	29.9	22.8	18.5	15.7	14.2	12.8
70°	6102.1	2640.4	69.7	47.0	32.7	24.2	19.9	17.1	14.2	12.8	12.8
72.5°	4150.6	1561.5	55.5	35.6	27.0	21.4	17.1	15.7	14.2	12.8	11.4
75°	2044.0	555.1	42.7	27.0	21.4	18.5	15.7	14.2	12.8	11.4	11.4
77.5°	550.9	153.7	32.7	21.4	17.1	14.2	14.2	14.2	12.8	10.0	10.0
80°	186.5	64.1	24.2	15.7	14.2	11.4	10.0	12.8	11.4	10.0	8.5
82.5°	102.5	31.3	17.1	12.8	10.0	8.5	8.5	8.5	8.5	7.1	7.1
85°	65.5	17.1	11.4	10.0	10.0	7.1	5.7	5.7	4.3	4.3	4.3
87.5°	29.9	10.0	10.0	8.5	8.5	7.1	4.3	2.8	1.4	1.4	1.4
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)