

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: P635285

Luminaire Tested: GWS-SA3D-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635285
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-SA3D-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14253.1 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

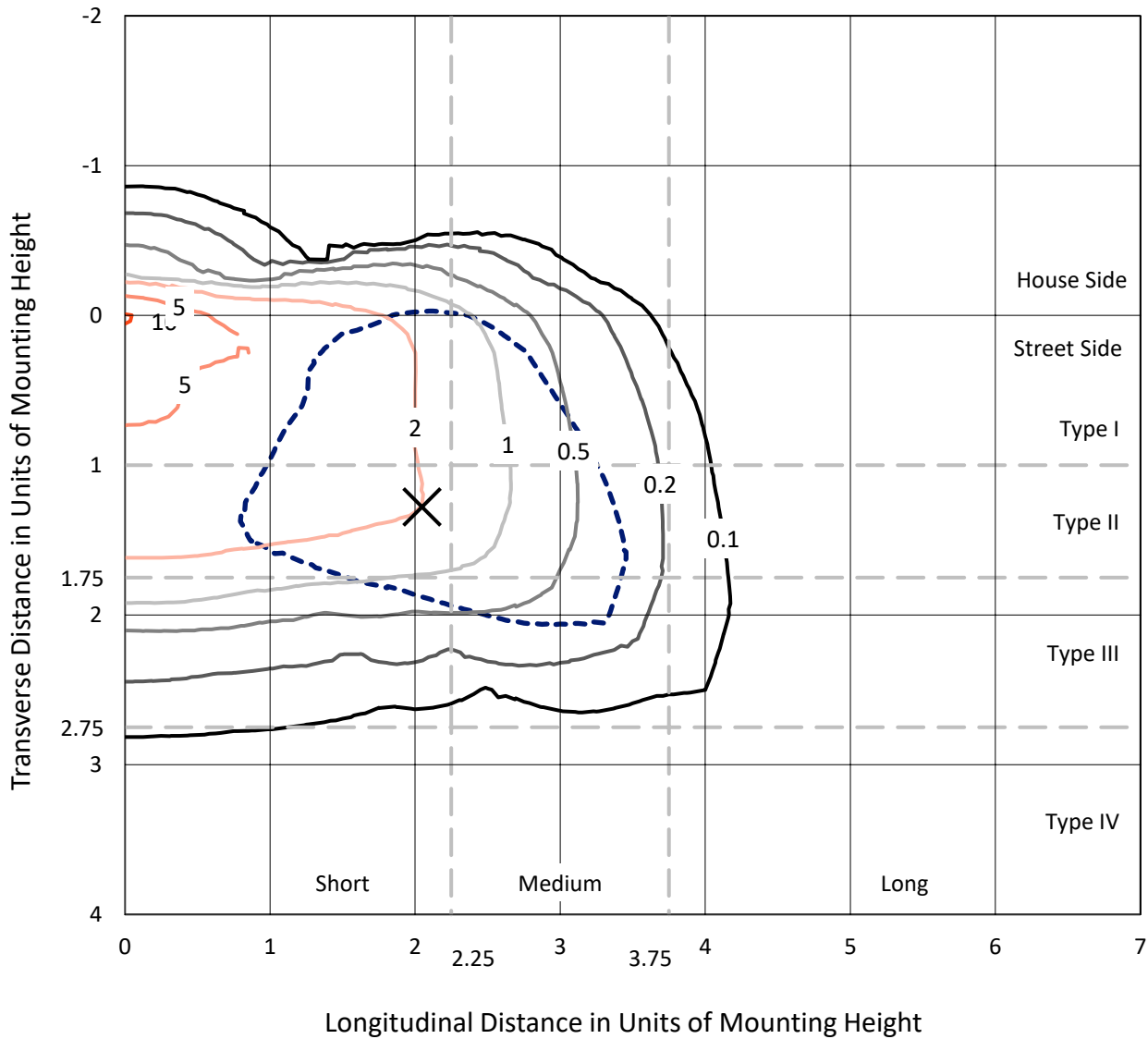
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

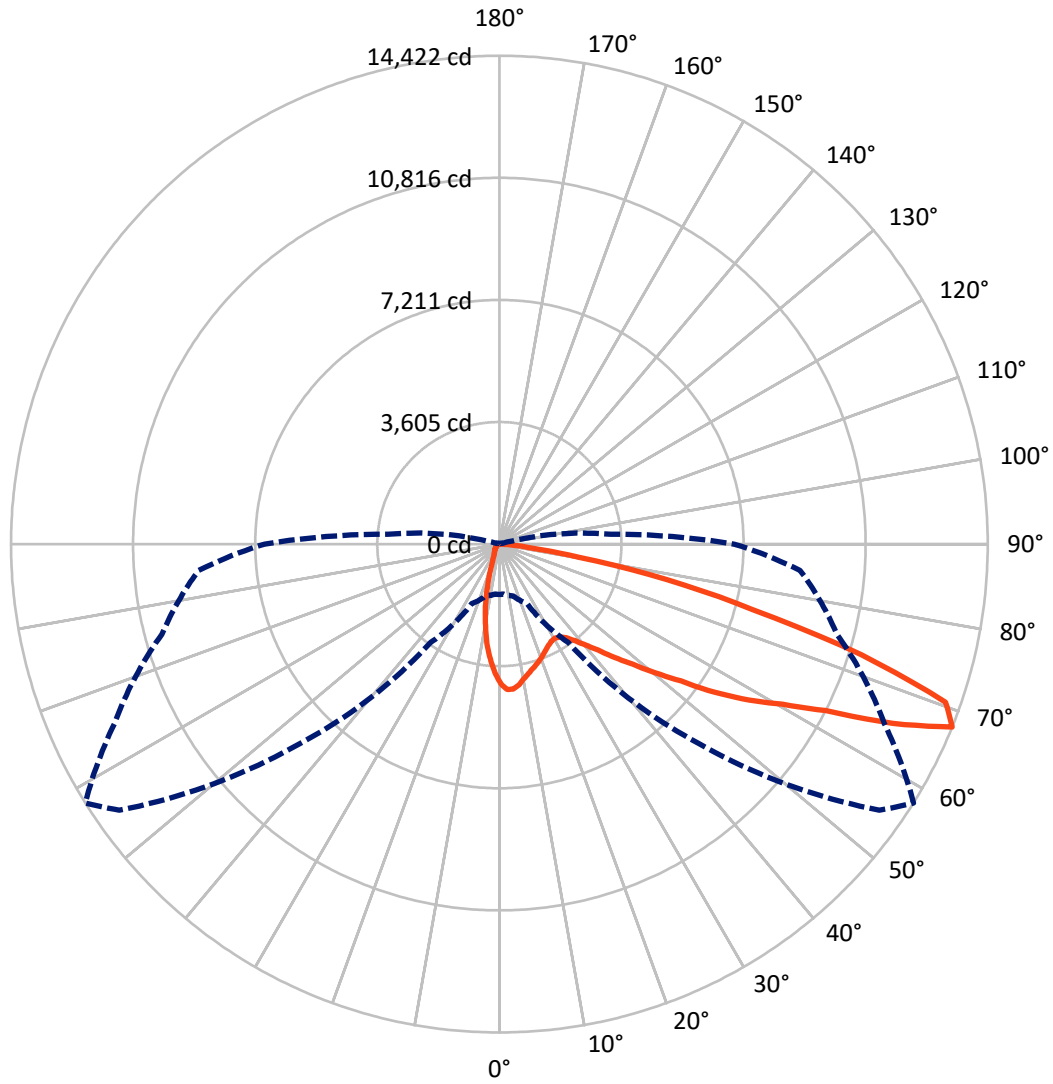
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.3 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	1392.4	0.0	1392.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12860.7	0.0	12860.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	14253.1	0.0	14253.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.1	2.3
10°-20°	695.4	4.9
20°-30°	937.8	6.6
30°-40°	1317.9	9.2
40°-50°	2035.3	14.3
50°-60°	3254.7	22.8
60°-70°	3853.8	27.0
70°-80°	1704.8	12.0
80°-90°	119.2	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°	14253.1	100.0
0°-180°	14253.1	100.0

Coefficient of Utilization



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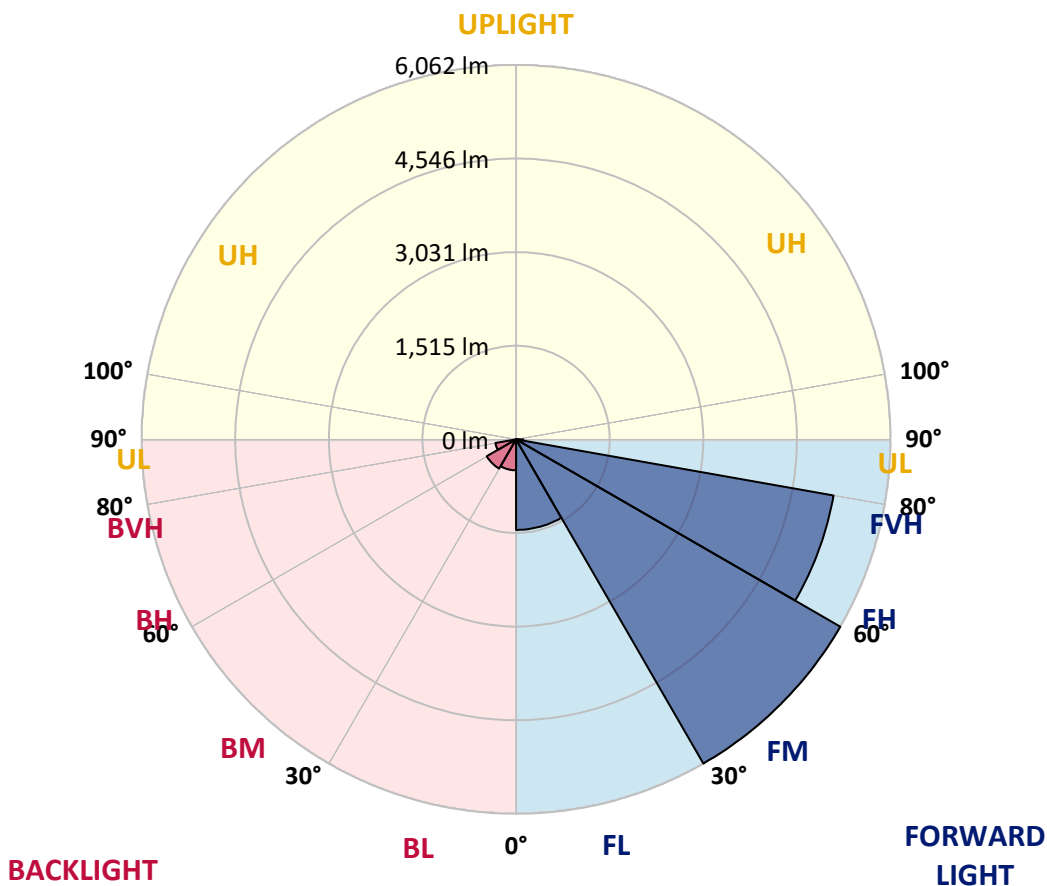
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1466.3	10.3			
FM (30°-60°)	6061.5	42.5			
FH (60°-80°)	5218.7	36.6			G3/7500
FVH (80°-90°)	114.1	0.8			G2/225
BL (0°-30°)	501.1	3.5	B2/1000		
BM (30°-60°)	546.3	3.8	B1/1000		
BH (60°-80°)	339.9	2.4	B1/500		G1/500
BVH (80°-90°)	5.1	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3
2.5°	4324.5	4332.0	4342.1	4354.7	4352.2	4340.9	4327.0	4295.4	4275.3	4212.2	4135.2
5°	4185.7	4184.4	4209.7	4233.6	4276.5	4299.2	4330.8	4301.8	4291.7	4216.0	4091.1
7.5°	3914.5	3928.3	3957.4	3995.2	4057.0	4123.9	4199.6	4190.7	4221.0	4170.6	4015.4
10°	3648.3	3640.7	3686.1	3742.9	3837.5	3923.3	4033.0	4031.8	4111.3	4106.2	3929.6
12.5°	3414.9	3413.6	3449.0	3513.3	3624.3	3744.2	3893.0	3896.8	3995.2	4035.6	3856.4
15°	3218.1	3220.6	3254.7	3321.6	3436.4	3582.7	3755.5	3787.1	3898.1	3980.1	3784.5
17.5°	3078.1	3079.3	3099.5	3157.6	3269.8	3426.3	3634.4	3677.3	3819.9	3938.4	3726.5
20°	3013.7	3008.7	3012.5	3041.5	3128.5	3271.1	3510.8	3566.3	3747.9	3909.4	3673.5
22.5°	3022.6	3015.0	2997.3	2993.6	3032.7	3141.2	3379.6	3447.7	3669.7	3891.8	3625.6
25°	3100.8	3084.4	3059.2	3021.3	3006.2	3060.4	3264.8	3335.4	3596.6	3893.0	3589.0
27.5°	3220.6	3203.0	3171.4	3121.0	3061.7	3039.0	3186.6	3253.4	3544.8	3922.0	3571.3
30°	3373.3	3359.4	3329.1	3268.6	3189.1	3095.7	3170.2	3225.7	3519.6	3981.3	3578.9
32.5°	3553.7	3543.6	3518.4	3462.8	3372.0	3229.5	3225.7	3268.6	3539.8	4067.1	3607.9
35°	3727.8	3731.5	3732.8	3702.5	3605.4	3432.6	3378.3	3393.5	3623.1	4195.8	3673.5
37.5°	3915.7	3906.9	3952.3	3973.8	3880.4	3696.2	3614.2	3615.5	3782.0	4386.3	3797.1
40°	4058.3	4060.8	4159.2	4247.5	4208.4	4030.5	3913.2	3911.9	4026.7	4647.4	3996.5
42.5°	4192.0	4208.4	4353.5	4504.9	4559.1	4401.4	4316.9	4285.4	4369.9	5000.6	4295.4
45°	4334.6	4358.5	4561.6	4777.3	4919.9	4826.5	4759.7	4772.3	4782.4	5411.9	4697.9
47.5°	4501.1	4516.2	4767.2	5071.3	5337.5	5313.5	5317.3	5302.1	5297.1	5930.4	5230.2
50°	4702.9	4738.2	5027.1	5390.4	5753.7	5912.7	5965.7	5972.0	5890.0	6495.5	5781.5
52.5°	5131.8	5174.7	5422.0	5739.9	6207.9	6542.2	6757.9	6715.0	6588.9	7043.0	6385.8
55°	5637.7	5670.5	5908.9	6238.2	6763.0	7232.2	7744.4	7726.8	7417.7	7619.5	6882.8
57.5°	5685.6	5722.2	6091.8	6596.4	7475.7	8085.0	8623.7	8680.5	8227.6	8028.3	7326.9
60°	5147.0	5221.4	5726.0	6404.7	7748.2	9231.7	9587.5	9598.8	8821.7	8443.3	7869.3
62.5°	4125.1	4160.5	4668.9	5554.4	7328.1	9900.3	11059.7	10820.0	9585.0	9085.4	8728.4
65°	2162.2	2306.0	2748.8	3729.0	5943.0	9667.0	12830.8	12765.2	10957.5	10005.0	9397.0
67.5°	1483.5	1482.3	1587.0	1944.0	3543.6	8323.4	13700.0	14421.6	12544.5	10320.4	8912.6
70°	1129.1	1132.8	1226.2	1458.3	1835.5	5540.6	12746.3	13980.1	12839.7	9370.5	7208.3
72.5°	749.3	756.9	912.1	1178.3	1465.9	2716.0	9905.4	11185.8	10803.6	7526.2	5073.8
75°	447.8	454.1	565.2	856.6	1303.1	1520.1	6293.7	7733.1	7436.6	5187.3	2719.8
77.5°	184.2	189.2	290.1	533.6	953.7	1180.8	3480.5	5059.9	4454.4	2062.6	743.0
80°	77.0	79.5	140.0	373.4	687.5	740.5	1612.2	2377.9	1825.4	444.1	227.1
82.5°	27.8	29.0	51.7	205.6	427.7	557.6	813.7	939.8	514.7	145.1	122.4
85°	1.3	1.3	12.6	69.4	162.7	157.7	465.5	450.4	170.3	60.6	73.2
87.5°	0.0	0.0	1.3	1.3	2.5	6.3	44.2	78.2	36.6	15.1	31.5
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°	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3	4111.3
2.5°	4084.8	4017.9	3944.7	3876.6	3768.1	3703.8	3624.3	3589.0	3538.5	3525.9	3533.5
5°	4001.5	3886.7	3711.4	3552.4	3346.8	3181.5	3015.0	2944.4	2853.5	2793.0	2767.8
7.5°	3884.2	3734.1	3460.3	3171.4	2888.9	2587.4	2357.8	2206.4	2068.9	1993.2	1978.0
10°	3765.6	3570.1	3177.7	2764.0	2326.2	1965.4	1655.1	1425.5	1238.8	1154.3	1088.7
12.5°	3643.2	3399.8	2890.1	2350.2	1841.8	1349.8	966.3	743.0	609.3	556.3	565.2
15°	3531.0	3235.8	2605.0	1936.4	1296.8	814.9	533.6	450.4	418.8	408.7	407.5
17.5°	3423.7	3080.6	2321.2	1534.0	855.3	499.6	408.7	388.5	379.7	374.7	374.7
20°	3326.6	2931.8	2043.6	1155.5	552.5	396.1	369.6	359.5	352.0	348.2	348.2
22.5°	3235.8	2787.9	1772.4	817.5	407.5	355.7	339.3	329.3	320.4	315.4	315.4
25°	3153.8	2658.0	1513.8	562.6	350.7	325.5	307.8	296.5	281.3	272.5	272.5
27.5°	3094.5	2541.9	1265.3	410.0	316.6	292.7	272.5	257.3	240.9	230.9	228.3
30°	3059.2	2443.5	1014.3	336.8	285.1	261.1	238.4	219.5	200.6	190.5	189.2
32.5°	3039.0	2352.7	784.7	293.9	258.6	230.9	205.6	185.4	166.5	155.2	153.9
35°	3046.5	2282.1	587.9	264.9	233.4	204.4	176.6	156.4	140.0	129.9	127.4
37.5°	3112.1	2250.5	441.5	242.2	211.9	181.7	152.6	133.7	118.6	111.0	109.8
40°	3239.6	2256.8	346.9	224.5	194.3	159.0	131.2	113.5	102.2	95.9	94.6
42.5°	3437.6	2309.8	286.4	209.4	175.3	138.8	113.5	99.7	88.3	82.0	80.7
45°	3732.8	2419.6	249.8	191.7	155.2	119.8	98.4	85.8	75.7	68.1	66.9
47.5°	4160.5	2610.1	225.8	175.3	137.5	103.4	84.5	71.9	63.1	56.8	55.5
50°	4615.9	2838.4	205.6	159.0	122.4	89.6	71.9	59.3	51.7	45.4	44.2
52.5°	5101.5	3084.4	190.5	143.8	108.5	77.0	60.6	49.2	41.6	35.3	34.1
55°	5568.3	3331.6	172.8	133.7	92.1	65.6	50.5	40.4	32.8	27.8	27.8
57.5°	6022.5	3558.7	153.9	117.3	75.7	55.5	41.6	32.8	26.5	22.7	21.4
60°	6564.9	3872.8	132.5	99.7	63.1	46.7	34.1	26.5	21.4	17.7	17.7
62.5°	7371.0	4199.6	113.5	83.3	53.0	39.1	27.8	21.4	17.7	15.1	13.9
65°	7634.7	4023.0	95.9	68.1	42.9	31.5	22.7	18.9	15.1	13.9	12.6
67.5°	6930.7	3297.6	79.5	55.5	35.3	26.5	20.2	16.4	13.9	12.6	11.4
70°	5408.1	2340.1	61.8	41.6	29.0	21.4	17.7	15.1	12.6	11.4	11.4
72.5°	3678.6	1383.9	49.2	31.5	24.0	18.9	15.1	13.9	12.6	11.4	10.1
75°	1811.5	492.0	37.8	24.0	18.9	16.4	13.9	12.6	11.4	10.1	10.1
77.5°	488.2	136.2	29.0	18.9	15.1	12.6	12.6	12.6	11.4	8.8	8.8
80°	165.3	56.8	21.4	13.9	12.6	10.1	8.8	11.4	10.1	8.8	7.6
82.5°	90.8	27.8	15.1	11.4	8.8	7.6	7.6	7.6	7.6	6.3	6.3
85°	58.0	15.1	10.1	8.8	8.8	6.3	5.0	5.0	3.8	3.8	3.8
87.5°	26.5	8.8	8.8	7.6	7.6	6.3	3.8	2.5	1.3	1.3	1.3
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)