

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: P635230

Luminaire Tested: GWS-SA3D-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635230
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14057.8 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

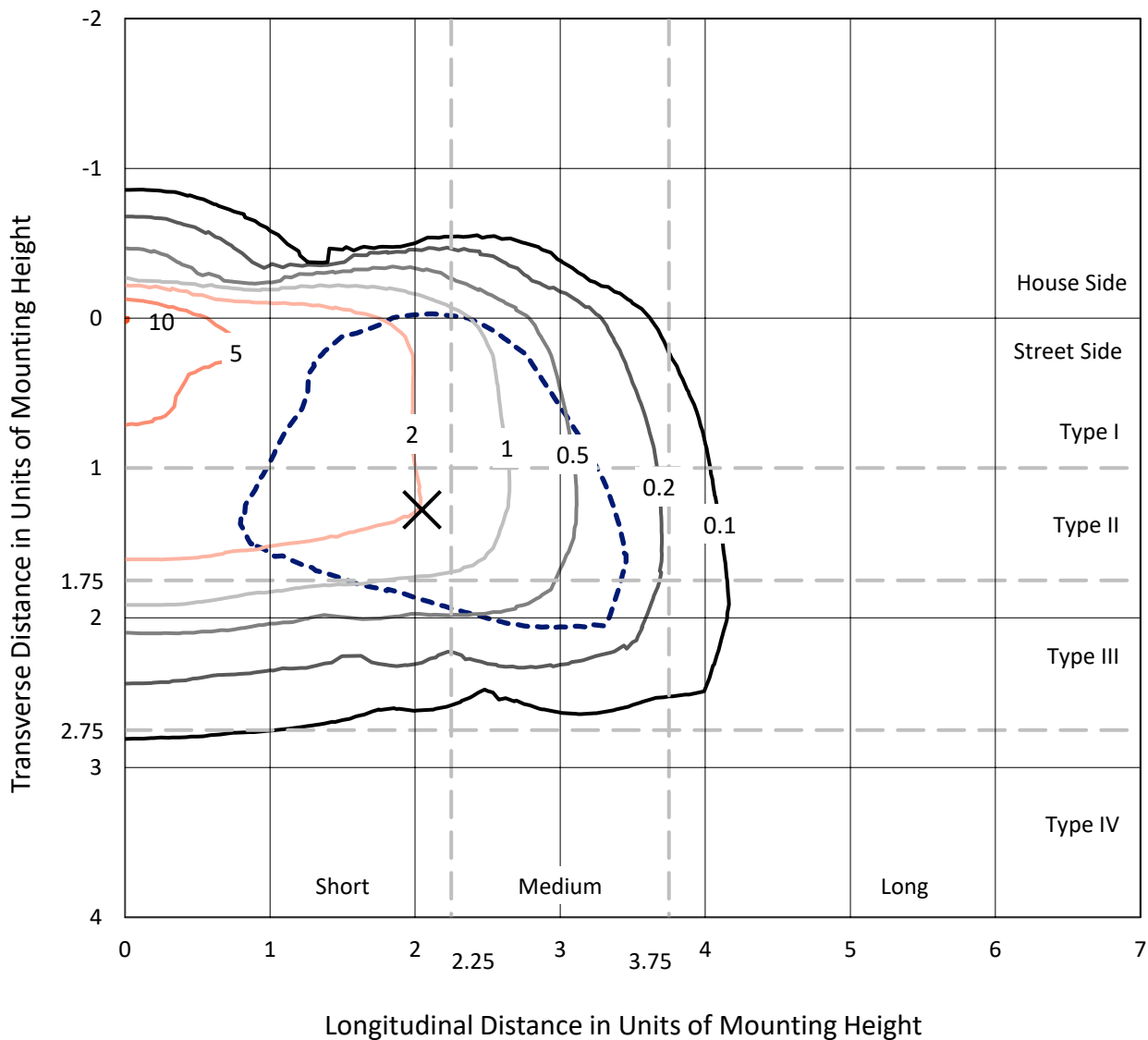
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

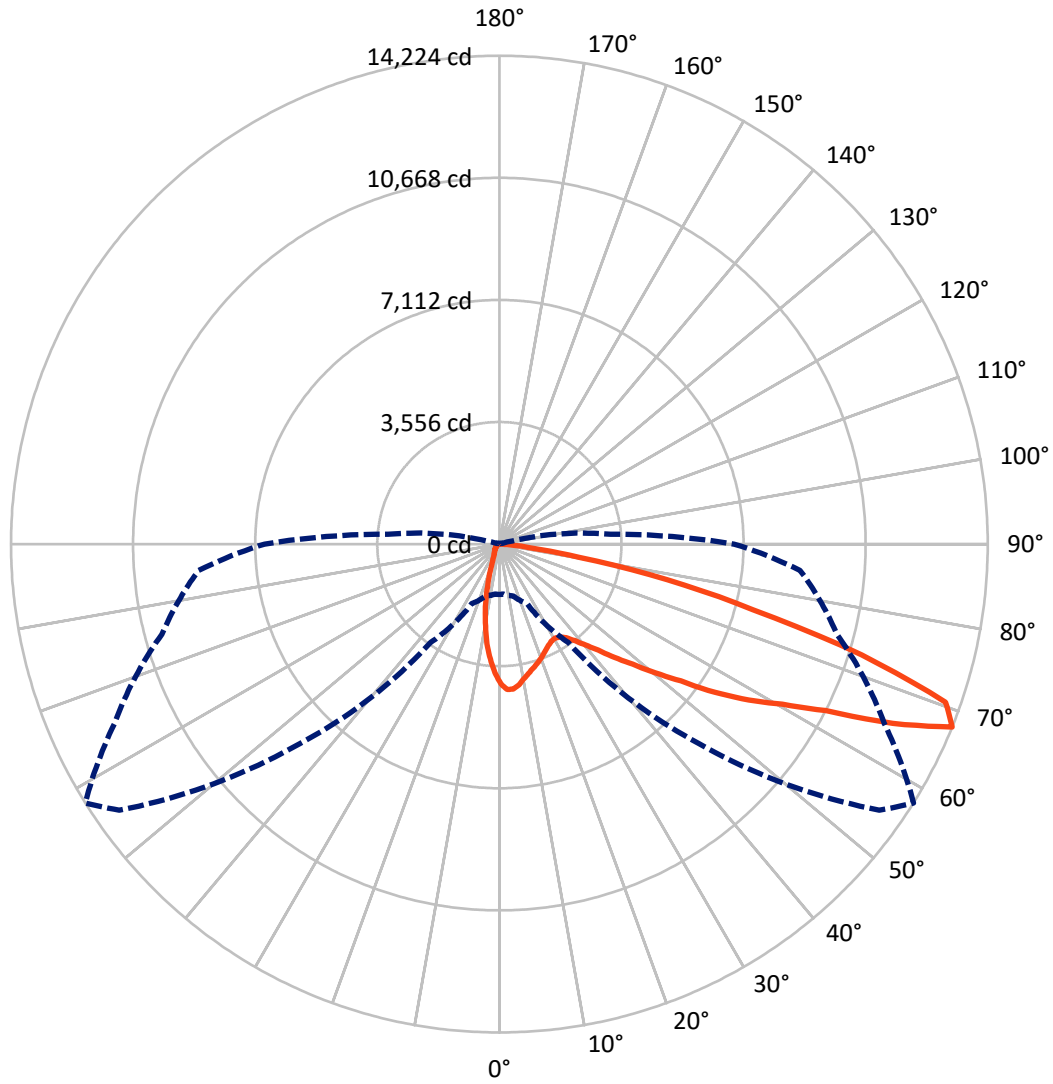
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.1 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	1373.4	0.0	1373.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12684.4	0.0	12684.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	14057.8	0.0	14057.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.5	2.3
10°-20°	685.9	4.9
20°-30°	925.0	6.6
30°-40°	1299.8	9.2
40°-50°	2007.4	14.3
50°-60°	3210.1	22.8
60°-70°	3801.0	27.0
70°-80°	1681.5	12.0
80°-90°	117.5	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°	14057.8	100.0
0°-180°	14057.8	100.0

Coefficient of Utilization



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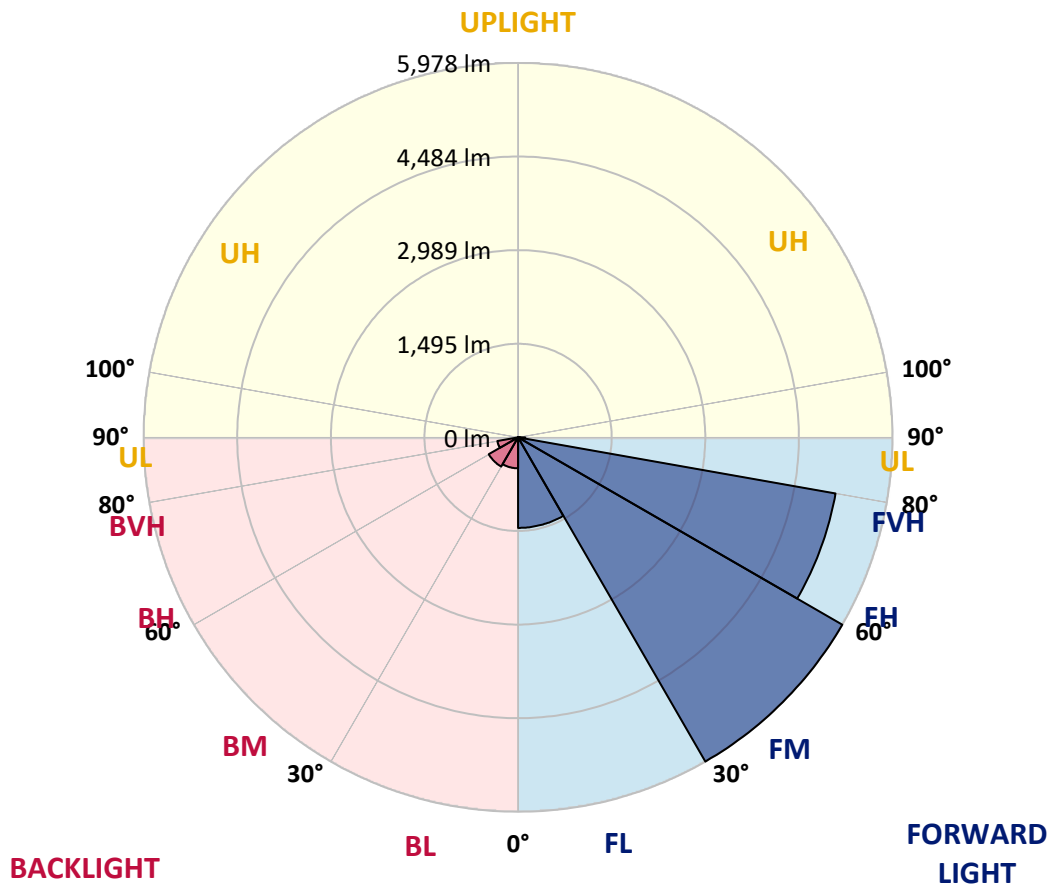
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1446.2	10.3			
FM (30°-60°)	5978.5	42.5			
FH (60°-80°)	5147.2	36.6			G3/7500
FVH (80°-90°)	112.5	0.8			G2/225
BL (0°-30°)	494.2	3.5	B1/500		
BM (30°-60°)	538.9	3.8	B1/1000		
BH (60°-80°)	335.3	2.4	B1/500		G1/500
BVH (80°-90°)	5.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9
2.5°	4265.2	4272.7	4282.6	4295.1	4292.6	4281.4	4267.7	4236.6	4216.7	4154.5	4078.6
5°	4128.3	4127.1	4152.0	4175.6	4217.9	4240.3	4271.4	4242.8	4232.9	4158.2	4035.0
7.5°	3860.8	3874.5	3903.1	3940.5	4001.4	4067.4	4142.0	4133.3	4163.2	4113.4	3960.4
10°	3598.3	3590.8	3635.6	3691.6	3784.9	3869.5	3977.8	3976.5	4054.9	4050.0	3875.8
12.5°	3368.1	3366.9	3401.7	3465.2	3574.7	3692.9	3839.7	3843.4	3940.5	3980.3	3803.6
15°	3174.0	3176.5	3210.1	3276.0	3389.3	3533.6	3704.1	3735.2	3844.7	3925.5	3732.7
17.5°	3035.9	3037.2	3057.1	3114.3	3225.0	3379.3	3584.6	3626.9	3767.5	3884.5	3675.4
20°	2972.5	2967.5	2971.2	2999.8	3085.7	3226.3	3462.7	3517.4	3696.6	3855.9	3623.2
22.5°	2981.2	2973.7	2956.3	2952.5	2991.1	3098.1	3333.3	3400.5	3619.5	3838.4	3575.9
25°	3058.3	3042.1	3017.2	2979.9	2965.0	3018.5	3220.1	3289.7	3547.3	3839.7	3539.8
27.5°	3176.5	3159.1	3128.0	3078.2	3019.7	2997.3	3142.9	3208.9	3496.3	3868.3	3522.4
30°	3327.1	3313.4	3283.5	3223.8	3145.4	3053.3	3126.7	3181.5	3471.4	3926.8	3529.9
32.5°	3505.0	3495.0	3470.1	3415.4	3325.8	3185.2	3181.5	3223.8	3491.3	4011.4	3558.5
35°	3676.7	3680.4	3681.7	3651.8	3556.0	3385.5	3332.0	3347.0	3573.4	4138.3	3623.2
37.5°	3862.1	3853.4	3898.2	3919.3	3827.2	3645.6	3564.7	3565.9	3730.2	4326.2	3745.1
40°	4002.7	4005.2	4102.2	4189.3	4150.7	3975.3	3859.6	3858.3	3971.6	4583.7	3941.7
42.5°	4134.6	4150.7	4293.8	4443.1	4496.6	4341.1	4257.7	4226.6	4310.0	4932.1	4236.6
45°	4275.2	4298.8	4499.1	4711.9	4852.5	4760.4	4694.5	4706.9	4716.9	5337.7	4633.5
47.5°	4439.4	4454.3	4701.9	5001.8	5264.3	5240.7	5244.4	5229.5	5224.5	5849.1	5158.6
50°	4638.5	4673.3	4958.2	5316.6	5674.9	5831.7	5883.9	5890.2	5809.3	6406.5	5702.3
52.5°	5061.5	5103.8	5347.7	5661.2	6122.8	6452.6	6665.3	6623.0	6498.6	6946.5	6298.3
55°	5560.4	5592.8	5827.9	6152.7	6670.3	7133.1	7638.3	7620.9	7316.0	7515.1	6788.5
57.5°	5607.7	5643.8	6008.4	6506.1	7373.3	7974.2	8505.5	8561.5	8114.8	7918.2	7226.5
60°	5076.4	5149.8	5647.5	6316.9	7642.0	9105.2	9456.1	9467.3	8700.9	8327.6	7761.5
62.5°	4068.6	4103.5	4604.9	5478.3	7227.7	9764.7	10908.1	10671.7	9453.6	8960.9	8608.8
65°	2132.6	2274.4	2711.2	3677.9	5861.5	9534.5	12655.0	12590.3	10807.3	9867.9	9268.2
67.5°	1463.2	1462.0	1565.2	1917.4	3495.0	8209.4	13512.3	14224.0	12372.6	10179.0	8790.4
70°	1113.6	1117.3	1209.4	1438.3	1810.3	5464.6	12571.6	13788.5	12663.7	9242.1	7109.5
72.5°	739.1	746.5	899.6	1162.1	1445.8	2678.8	9769.7	11032.5	10655.5	7423.0	5004.3
75°	441.7	447.9	557.4	844.8	1285.3	1499.3	6207.4	7627.1	7334.7	5116.3	2682.5
77.5°	181.7	186.6	286.2	526.3	940.6	1164.6	3432.8	4990.6	4393.4	2034.3	732.8
80°	75.9	78.4	138.1	368.3	678.1	730.4	1590.1	2345.4	1800.4	438.0	224.0
82.5°	27.4	28.6	51.0	202.8	421.8	549.9	802.5	926.9	507.6	143.1	120.7
85°	1.2	1.2	12.4	68.4	160.5	155.5	459.1	444.2	168.0	59.7	72.2
87.5°	0.0	0.0	1.2	1.2	2.5	6.2	43.5	77.1	36.1	14.9	31.1
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°	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9	4054.9
2.5°	4028.8	3962.9	3890.7	3823.5	3716.5	3653.0	3574.7	3539.8	3490.1	3477.6	3485.1
5°	3946.7	3833.5	3660.5	3503.7	3300.9	3137.9	2973.7	2904.0	2814.4	2754.7	2729.8
7.5°	3831.0	3682.9	3412.9	3128.0	2849.3	2551.9	2325.5	2176.1	2040.5	1965.9	1950.9
10°	3714.0	3521.2	3134.2	2726.1	2294.4	1938.5	1632.4	1406.0	1221.8	1138.5	1073.8
12.5°	3593.3	3353.2	2850.5	2318.0	1816.6	1331.3	953.1	732.8	601.0	548.7	557.4
15°	3482.6	3191.4	2569.3	1909.9	1279.1	803.8	526.3	444.2	413.1	403.1	401.9
17.5°	3376.8	3038.4	2289.4	1513.0	843.6	492.7	403.1	383.2	374.5	369.5	369.5
20°	3281.0	2891.6	2015.6	1139.7	545.0	390.7	364.6	354.6	347.1	343.4	343.4
22.5°	3191.4	2749.7	1748.1	806.3	401.9	350.9	334.7	324.7	316.0	311.1	311.1
25°	3110.6	2621.6	1493.1	554.9	345.9	321.0	303.6	292.4	277.5	268.8	268.8
27.5°	3052.1	2507.1	1248.0	404.4	312.3	288.7	268.8	253.8	237.6	227.7	225.2
30°	3017.2	2410.1	1000.4	332.2	281.2	257.6	235.2	216.5	197.8	187.9	186.6
32.5°	2997.3	2320.5	773.9	289.9	255.1	227.7	202.8	182.9	164.2	153.0	151.8
35°	3004.8	2250.8	579.8	261.3	230.2	201.6	174.2	154.3	138.1	128.2	125.7
37.5°	3069.5	2219.7	435.5	238.9	209.0	179.2	150.6	131.9	117.0	109.5	108.2
40°	3195.2	2225.9	342.2	221.5	191.6	156.8	129.4	112.0	100.8	94.6	93.3
42.5°	3390.5	2278.2	282.4	206.5	172.9	136.9	112.0	98.3	87.1	80.9	79.6
45°	3681.7	2386.4	246.4	189.1	153.0	118.2	97.0	84.6	74.7	67.2	65.9
47.5°	4103.5	2574.3	222.7	172.9	135.6	102.0	83.4	70.9	62.2	56.0	54.7
50°	4552.6	2799.5	202.8	156.8	120.7	88.3	70.9	58.5	51.0	44.8	43.5
52.5°	5031.6	3042.1	187.9	141.8	107.0	75.9	59.7	48.5	41.1	34.8	33.6
55°	5492.0	3286.0	170.5	131.9	90.8	64.7	49.8	39.8	32.3	27.4	27.4
57.5°	5939.9	3510.0	151.8	115.7	74.7	54.7	41.1	32.3	26.1	22.4	21.2
60°	6474.9	3819.8	130.6	98.3	62.2	46.0	33.6	26.1	21.2	17.4	17.4
62.5°	7270.0	4142.0	112.0	82.1	52.3	38.6	27.4	21.2	17.4	14.9	13.7
65°	7530.0	3967.8	94.6	67.2	42.3	31.1	22.4	18.7	14.9	13.7	12.4
67.5°	6835.8	3252.4	78.4	54.7	34.8	26.1	19.9	16.2	13.7	12.4	11.2
70°	5334.0	2308.0	61.0	41.1	28.6	21.2	17.4	14.9	12.4	11.2	11.2
72.5°	3628.2	1364.9	48.5	31.1	23.6	18.7	14.9	13.7	12.4	11.2	10.0
75°	1786.7	485.2	37.3	23.6	18.7	16.2	13.7	12.4	11.2	10.0	10.0
77.5°	481.5	134.4	28.6	18.7	14.9	12.4	12.4	12.4	11.2	8.7	8.7
80°	163.0	56.0	21.2	13.7	12.4	10.0	8.7	11.2	10.0	8.7	7.5
82.5°	89.6	27.4	14.9	11.2	8.7	7.5	7.5	7.5	7.5	6.2	6.2
85°	57.2	14.9	10.0	8.7	8.7	6.2	5.0	5.0	3.7	3.7	3.7
87.5°	26.1	8.7	8.7	7.5	7.5	6.2	3.7	2.5	1.2	1.2	1.2
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)