

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: P637316

Luminaire Tested: GWS-SA4C-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 15740.5 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

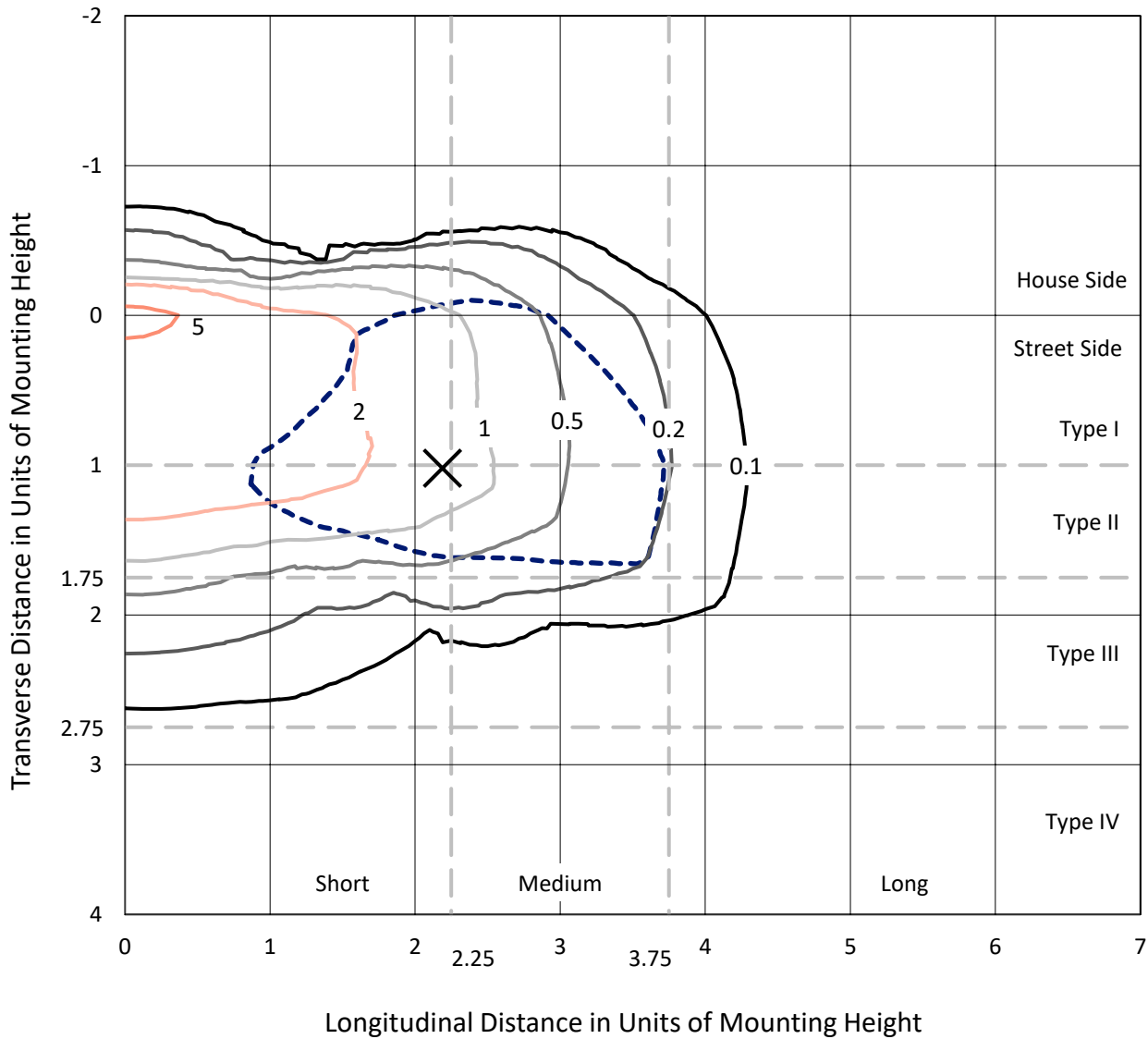
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

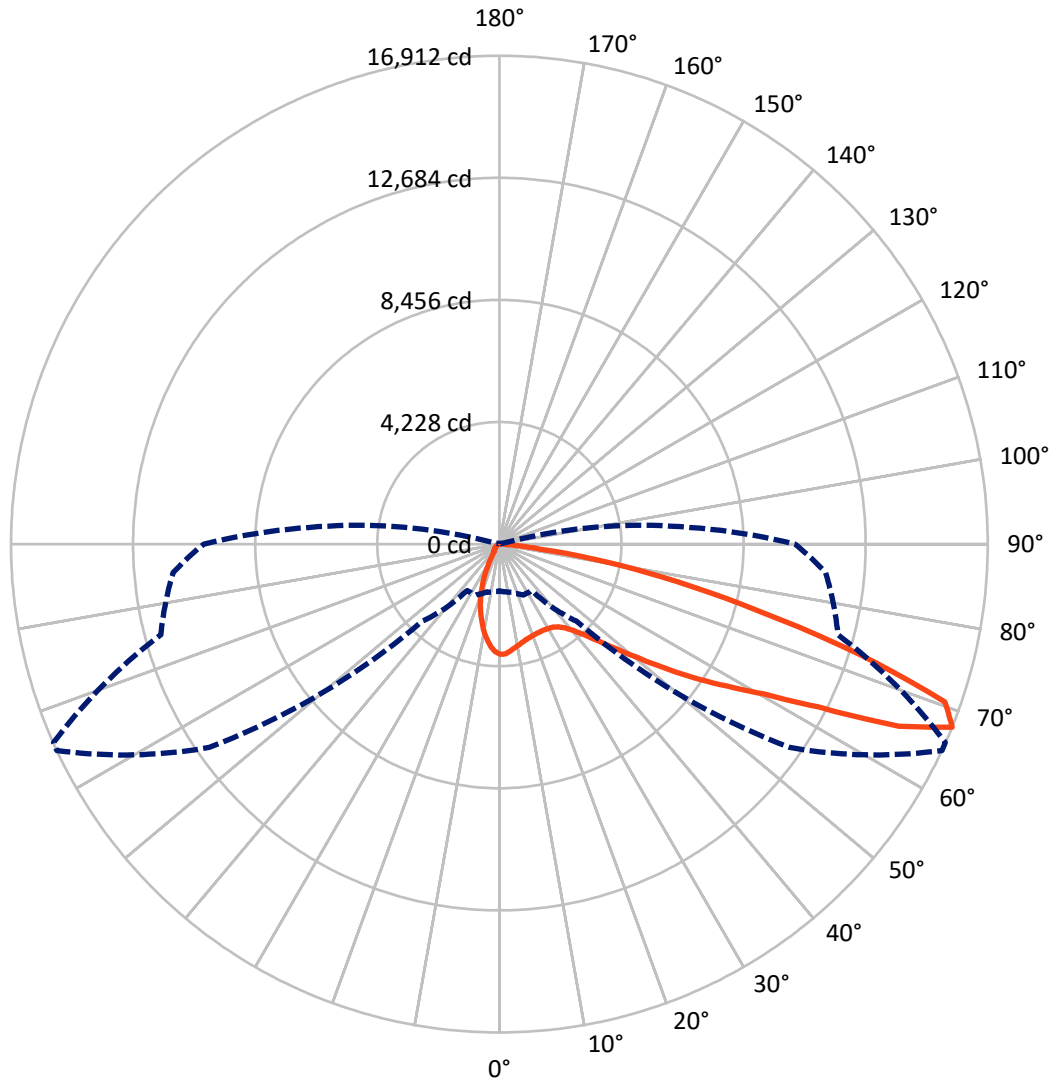
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1965.5	0.0	1965.5
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	13775.0	0.0	13775.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	15740.5	0.0	15740.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.1	2.0
10°-20°	712.8	4.5
20°-30°	1018.5	6.5
30°-40°	1481.8	9.4
40°-50°	2320.7	14.7
50°-60°	3620.3	23.0
60°-70°	3976.8	25.3
70°-80°	2116.4	13.4
80°-90°	176.2	1.1
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°	15740.5	100.0
0°-180°	15740.5	100.0

Coefficient of Utilization



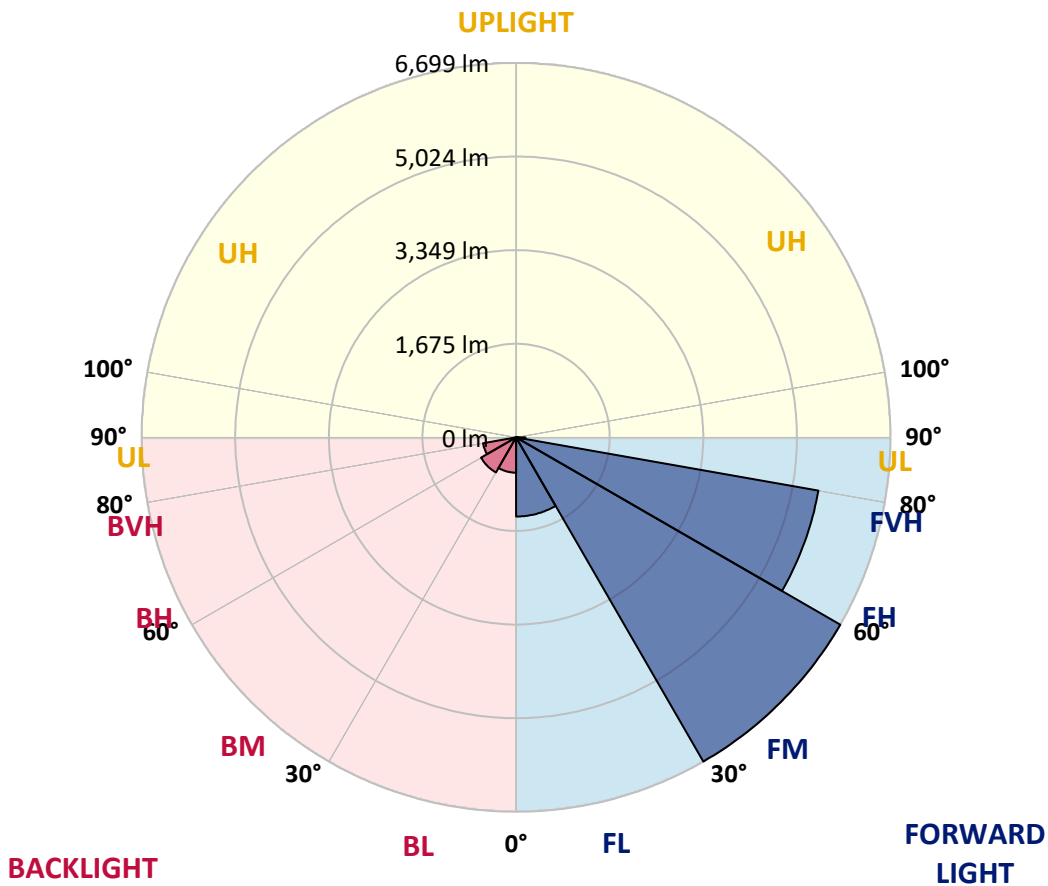
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1416.6	9.0			
FM (30°-60°)	6698.8	42.6			
FH (60°-80°)	5492.8	34.9			G3/7500
FVH (80°-90°)	166.8	1.1			G2/225
BL (0°-30°)	631.8	4.0	B2/1000		
BM (30°-60°)	724.0	4.6	B1/1000		
BH (60°-80°)	600.4	3.8	B2/1000		G2/1000
BVH (80°-90°)	9.4	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6
2.5°	3685.2	3696.6	3680.9	3719.4	3726.5	3769.2	3793.4	3810.5	3809.0	3830.4	3830.4
5°	3468.8	3480.2	3471.7	3513.0	3545.7	3612.6	3668.1	3732.2	3735.0	3800.5	3824.7
7.5°	3285.2	3286.6	3286.6	3337.9	3380.6	3463.1	3545.7	3643.9	3655.3	3756.4	3820.4
10°	3134.3	3138.6	3140.0	3198.4	3245.4	3345.0	3450.3	3568.5	3581.3	3717.9	3817.6
12.5°	3030.4	3031.8	3037.5	3098.7	3150.0	3253.9	3360.7	3495.9	3513.0	3673.8	3804.8
15°	2980.6	2977.8	2980.6	3031.8	3083.1	3182.7	3292.3	3437.5	3456.0	3636.8	3806.2
17.5°	2977.8	2973.5	2970.6	3009.1	3041.8	3130.1	3241.1	3399.1	3419.0	3619.7	3821.8
20°	3019.0	3016.2	3002.0	3019.0	3026.2	3098.7	3208.4	3369.2	3389.1	3616.9	3856.0
22.5°	3127.2	3120.1	3098.7	3083.1	3044.7	3087.4	3185.6	3347.8	3370.6	3624.0	3900.1
25°	3288.1	3285.2	3258.2	3219.7	3121.5	3104.4	3187.0	3347.8	3369.2	3632.5	3947.1
27.5°	3530.0	3513.0	3478.8	3411.9	3271.0	3171.3	3215.5	3356.4	3377.7	3643.9	3985.5
30°	3776.3	3774.9	3763.5	3695.2	3485.9	3299.4	3275.3	3379.2	3399.1	3653.9	4021.1
32.5°	4031.1	4035.3	4063.8	4011.1	3782.0	3490.2	3383.4	3426.1	3440.4	3673.8	4052.4
35°	4273.1	4281.6	4357.0	4375.5	4142.1	3779.1	3559.9	3520.1	3521.5	3717.9	4093.7
37.5°	4505.1	4533.5	4654.5	4744.2	4590.5	4129.3	3814.7	3679.5	3668.1	3806.2	4156.3
40°	4768.4	4822.5	4974.8	5127.1	5078.7	4591.9	4162.0	3924.3	3900.1	3968.4	4268.8
42.5°	5060.2	5118.6	5320.7	5534.2	5557.0	5151.3	4596.2	4281.6	4240.3	4241.7	4479.4
45°	5373.3	5451.6	5686.5	5994.0	6132.0	5774.7	5131.4	4764.1	4722.9	4661.6	4818.2
47.5°	5784.7	5853.0	6079.4	6433.8	6698.5	6443.7	5833.1	5384.7	5309.3	5219.6	5344.9
50°	6139.1	6198.9	6393.9	6838.0	7388.9	7306.3	6628.8	6160.5	6087.9	5935.6	6039.5
52.5°	6217.4	6264.4	6443.7	6943.4	7917.0	8395.2	7603.8	7098.5	7047.3	6765.4	6805.3
55°	5865.8	5937.0	6097.9	6653.0	8055.0	9459.9	8869.2	8156.1	8049.3	7599.5	7670.7
57.5°	4977.6	5104.3	5255.2	5976.9	7680.7	10026.5	10637.1	9276.3	9179.5	8402.3	8403.8
60°	3648.2	3750.7	3851.7	4512.2	6792.5	9988.0	12241.3	10534.6	10358.1	9058.5	9034.3
62.5°	2653.2	2705.9	2704.5	2939.3	4664.5	9330.4	13083.9	12430.6	12019.2	9760.3	9622.2
65°	2086.7	2085.3	2146.5	2223.4	2604.8	7202.4	13187.8	15199.1	14755.0	10701.1	10413.6
67.5°	1624.1	1655.4	1716.6	1942.9	1957.2	3769.2	12274.0	16911.5	16902.9	12137.4	11340.3
70°	1252.6	1295.3	1382.1	1712.4	1807.7	2109.5	9183.8	16369.1	16507.2	12779.3	10684.1
72.5°	804.2	801.4	929.5	1383.5	1736.6	1757.9	5078.7	13002.8	13159.4	11575.1	8638.6
75°	449.8	452.6	525.2	846.9	1618.4	1654.0	2515.2	9272.0	9395.9	9024.4	6637.3
77.5°	176.5	182.2	246.2	445.5	1067.6	1477.5	1494.6	6322.8	6341.3	5592.6	4070.9
80°	71.2	75.4	125.3	276.1	650.5	995.0	1067.6	3725.0	3649.6	2165.0	1184.3
82.5°	21.4	22.8	49.8	156.6	340.2	707.4	720.2	1429.1	1349.4	465.5	301.8
85°	1.4	1.4	11.4	48.4	121.0	177.9	479.7	465.5	412.8	116.7	133.8
87.5°	0.0	0.0	1.4	1.4	2.8	5.7	51.2	85.4	86.8	21.4	59.8
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°	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6	3817.6
2.5°	3830.4	3779.1	3774.9	3735.0	3695.2	3645.3	3587.0	3544.3	3514.4	3461.7	3451.8
5°	3824.7	3756.4	3692.3	3578.4	3451.8	3315.1	3195.5	3084.5	3014.8	2967.8	2947.9
7.5°	3813.3	3726.5	3578.4	3363.5	3151.4	2912.3	2725.8	2555.0	2438.3	2370.0	2340.1
10°	3804.8	3688.0	3447.5	3121.5	2792.7	2462.5	2179.2	1925.9	1784.9	1673.9	1655.4
12.5°	3787.7	3632.5	3279.5	2838.3	2414.1	1975.7	1614.1	1303.8	1088.9	992.1	958.0
15°	3770.6	3574.2	3111.6	2539.4	2001.3	1460.4	1022.0	723.1	575.1	529.5	526.7
17.5°	3767.7	3521.5	2929.4	2256.1	1568.6	956.5	582.2	468.3	437.0	425.6	425.6
20°	3776.3	3477.4	2750.0	1930.1	1143.0	582.2	434.1	405.7	387.2	377.2	377.2
22.5°	3784.8	3431.8	2577.8	1601.3	758.7	425.6	382.9	358.7	337.3	326.0	320.3
25°	3790.5	3382.0	2387.0	1271.1	495.3	370.1	335.9	304.6	279.0	264.8	264.8
27.5°	3789.1	3322.2	2194.9	948.0	384.3	328.8	287.5	254.8	229.2	213.5	214.9
30°	3777.7	3256.7	1995.6	661.9	335.9	287.5	246.2	212.1	186.5	173.7	172.2
32.5°	3769.2	3187.0	1765.0	465.5	301.8	251.9	209.2	176.5	155.2	145.2	143.8
35°	3759.2	3118.7	1545.8	354.4	271.9	217.8	176.5	149.5	132.4	123.8	123.8
37.5°	3762.1	3047.5	1308.1	304.6	242.0	189.3	150.9	128.1	113.9	105.3	103.9
40°	3806.2	3004.8	1074.7	276.1	214.9	163.7	131.0	111.0	96.8	88.3	86.8
42.5°	3915.8	3006.2	851.2	254.8	190.7	139.5	113.9	95.4	82.6	72.6	71.2
45°	4135.0	3066.0	653.3	232.0	165.1	121.0	98.2	81.1	68.3	59.8	58.4
47.5°	4493.7	3243.9	495.3	212.1	143.8	105.3	84.0	68.3	56.9	49.8	48.4
50°	5064.5	3565.6	390.0	187.9	121.0	91.1	71.2	56.9	47.0	39.9	38.4
52.5°	5750.5	4048.2	334.5	166.5	103.9	79.7	61.2	47.0	38.4	32.7	31.3
55°	6539.1	4624.6	308.9	145.2	88.3	68.3	49.8	38.4	31.3	27.0	24.2
57.5°	7262.2	5144.2	307.5	123.8	75.4	58.4	41.3	32.7	27.0	21.4	19.9
60°	7966.8	5578.3	289.0	102.5	65.5	48.4	35.6	27.0	22.8	18.5	17.1
62.5°	8605.9	5931.3	242.0	82.6	55.5	39.9	29.9	24.2	19.9	15.7	15.7
65°	9408.7	6381.1	185.0	66.9	45.5	32.7	25.6	21.4	18.5	14.2	14.2
67.5°	10238.5	6618.8	132.4	55.5	37.0	28.5	22.8	19.9	15.7	12.8	12.8
70°	9273.5	5592.6	95.4	45.5	31.3	24.2	19.9	18.5	15.7	12.8	11.4
72.5°	7242.3	4032.5	71.2	35.6	27.0	22.8	18.5	17.1	14.2	11.4	11.4
75°	5370.5	2351.5	54.1	28.5	21.4	18.5	18.5	17.1	14.2	11.4	10.0
77.5°	2919.4	819.9	41.3	22.8	17.1	14.2	15.7	15.7	12.8	10.0	8.5
80°	772.9	224.9	28.5	17.1	14.2	11.4	11.4	14.2	11.4	8.5	8.5
82.5°	224.9	65.5	19.9	14.2	11.4	10.0	10.0	10.0	8.5	7.1	5.7
85°	109.6	24.2	14.2	11.4	10.0	8.5	7.1	7.1	5.7	4.3	4.3
87.5°	48.4	10.0	11.4	10.0	10.0	7.1	5.7	4.3	4.3	2.8	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)