

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: P637261

Luminaire Tested: GWS-SA4C-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637261
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15387.9 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

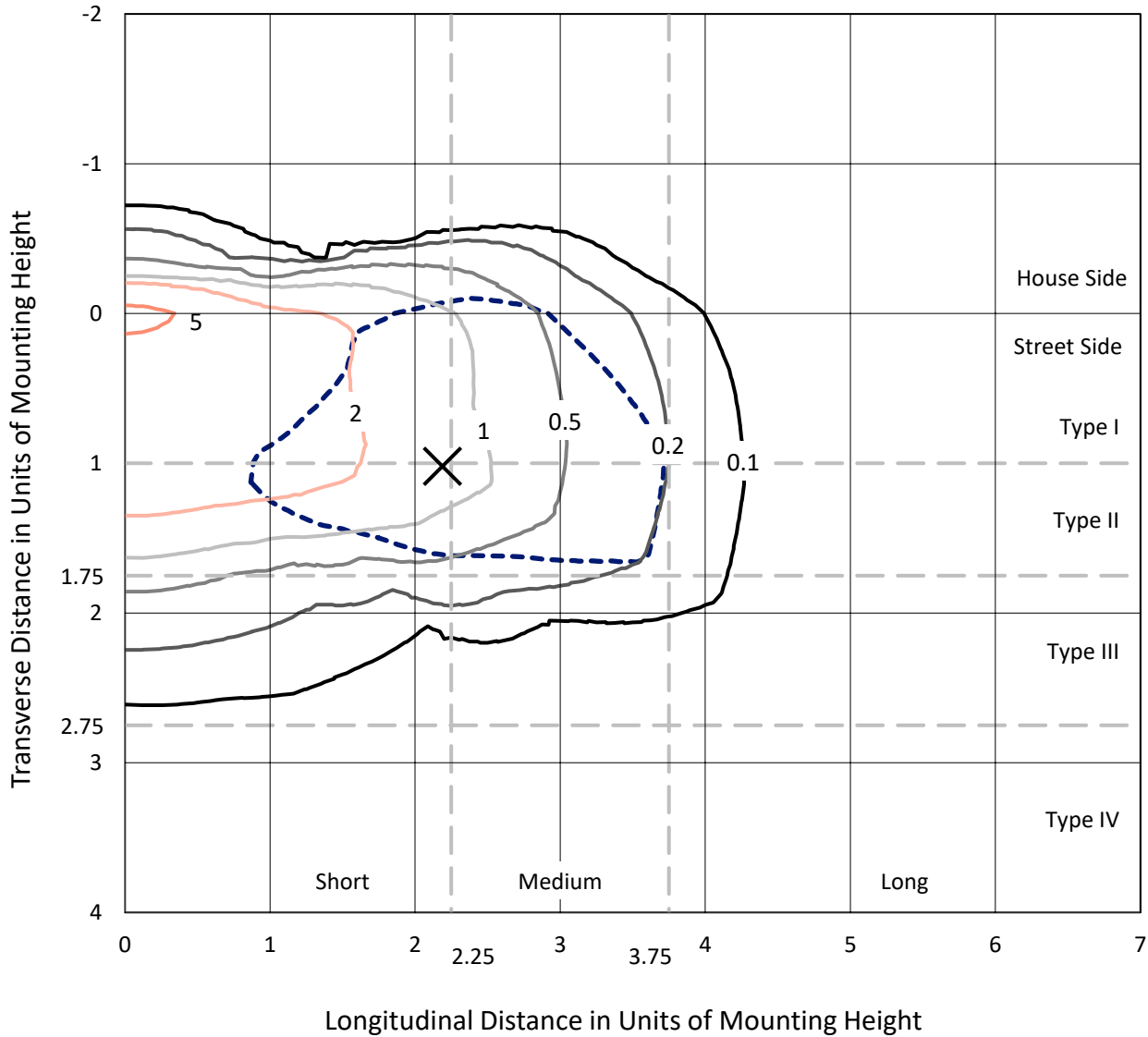
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

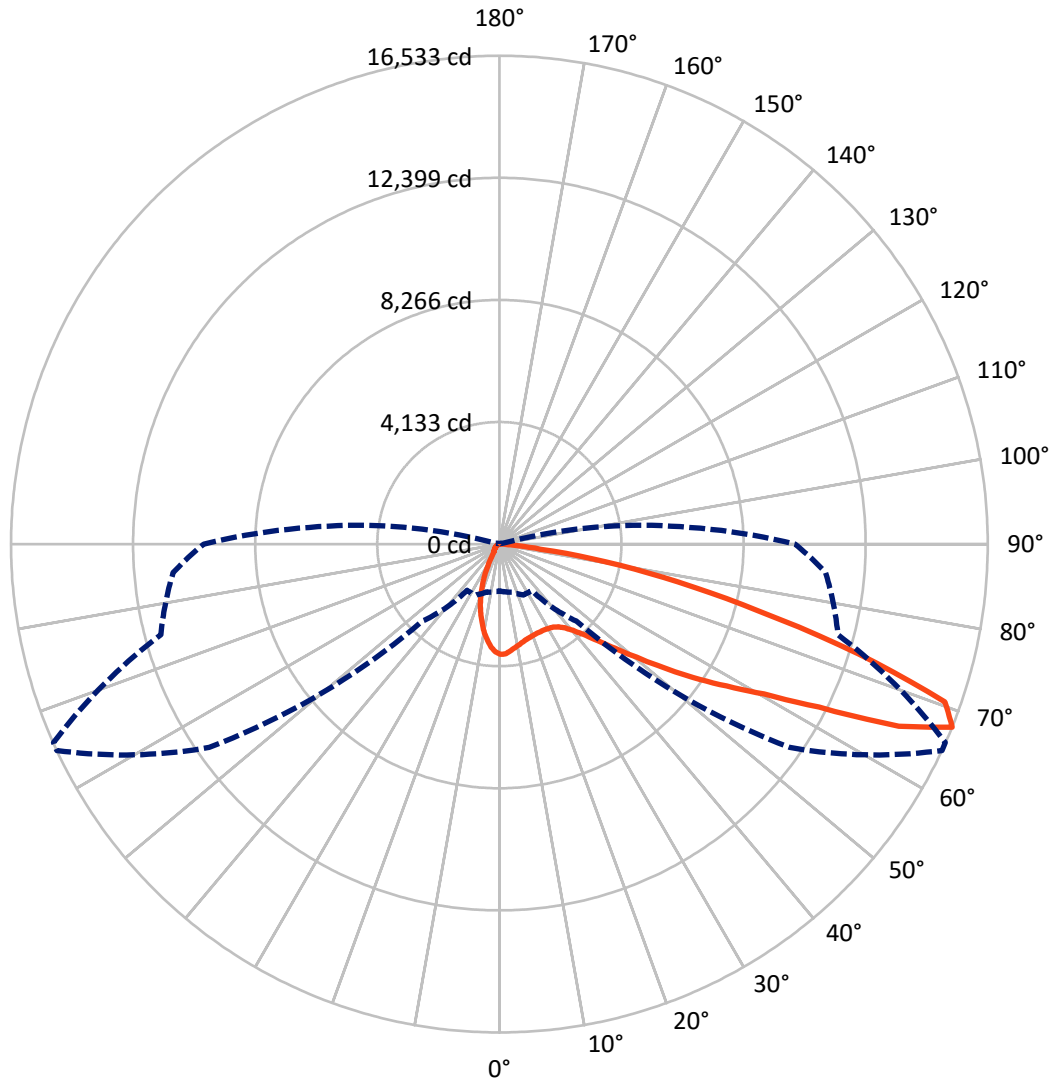
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	1921.5	0.0	1921.5
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	13466.4	0.0	13466.4
	% Fixture	87.5	0.0	87.5
Total	Lumens	15387.9	0.0	15387.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.0	2.0
10°-20°	696.8	4.5
20°-30°	995.7	6.5
30°-40°	1448.6	9.4
40°-50°	2268.7	14.7
50°-60°	3539.3	23.0
60°-70°	3887.7	25.3
70°-80°	2069.0	13.4
80°-90°	172.3	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°	15387.9	100.0
0°-180°	15387.9	100.0

Coefficient of Utilization



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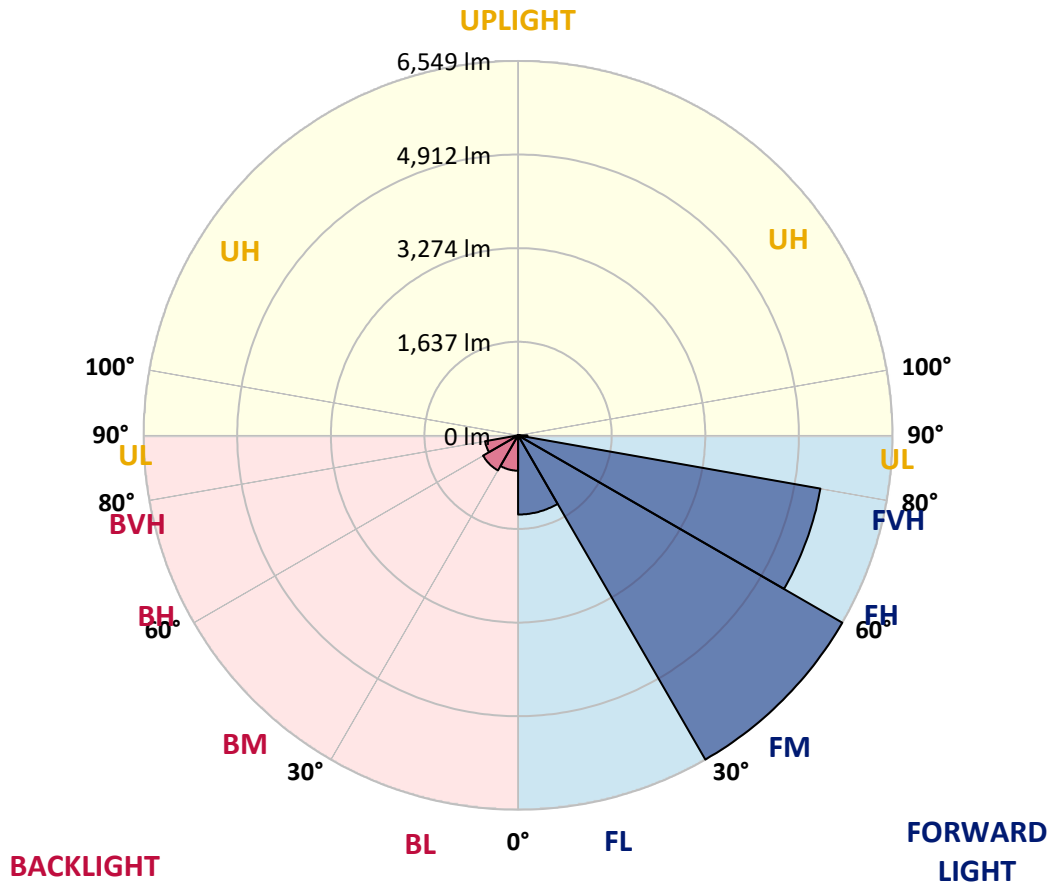
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1384.8	9.0			
FM (30°-60°)	6548.8	42.6			
FH (60°-80°)	5369.8	34.9			G3/7500
FVH (80°-90°)	163.0	1.1			G2/225
BL (0°-30°)	617.6	4.0	B2/1000		
BM (30°-60°)	707.8	4.6	B1/1000		
BH (60°-80°)	586.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	9.2	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°	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1
2.5°	3602.6	3613.8	3598.5	3636.0	3643.0	3684.7	3708.4	3725.1	3723.7	3744.6	3744.6
5°	3391.1	3402.3	3393.9	3434.3	3466.3	3531.7	3585.9	3648.6	3651.3	3715.4	3739.0
7.5°	3211.6	3213.0	3213.0	3263.1	3304.9	3385.6	3466.3	3562.3	3573.4	3672.2	3734.8
10°	3064.1	3068.3	3069.7	3126.7	3172.7	3270.1	3373.0	3488.5	3501.1	3634.6	3732.1
12.5°	2962.5	2963.9	2969.5	3029.3	3079.4	3181.0	3285.4	3417.6	3434.3	3591.5	3719.5
15°	2913.8	2911.1	2913.8	2963.9	3014.0	3111.4	3218.6	3360.5	3378.6	3555.3	3720.9
17.5°	2911.1	2906.9	2904.1	2941.7	2973.7	3059.9	3168.5	3322.9	3342.4	3538.6	3736.2
20°	2951.4	2948.6	2934.7	2951.4	2958.4	3029.3	3136.5	3293.7	3313.2	3535.8	3769.6
22.5°	3057.2	3050.2	3029.3	3014.0	2976.5	3018.2	3114.2	3272.8	3295.1	3542.8	3812.8
25°	3214.4	3211.6	3185.2	3147.6	3051.6	3034.9	3115.6	3272.8	3293.7	3551.2	3858.7
27.5°	3451.0	3434.3	3400.9	3335.5	3197.7	3100.3	3143.4	3281.2	3302.1	3562.3	3896.2
30°	3691.7	3690.3	3679.2	3612.4	3407.8	3225.5	3201.9	3303.5	3322.9	3572.0	3931.0
32.5°	3940.8	3945.0	3972.8	3921.3	3697.3	3412.0	3307.6	3349.4	3363.3	3591.5	3961.7
35°	4177.3	4185.7	4259.4	4277.5	4049.3	3694.5	3480.2	3441.2	3442.6	3634.6	4002.0
37.5°	4404.2	4432.0	4550.3	4637.9	4487.6	4036.8	3729.3	3597.1	3585.9	3720.9	4063.2
40°	4661.6	4714.5	4863.4	5012.2	4964.9	4489.0	4068.8	3836.4	3812.8	3879.6	4173.2
42.5°	4946.8	5003.9	5201.5	5410.2	5432.5	5035.9	4493.2	4185.7	4145.3	4146.7	4379.1
45°	5253.0	5329.5	5559.1	5859.7	5994.7	5645.4	5016.4	4657.4	4617.1	4557.2	4710.3
47.5°	5655.1	5721.9	5943.2	6289.7	6548.5	6299.4	5702.4	5264.1	5190.4	5102.7	5225.1
50°	6001.6	6060.1	6250.7	6684.9	7223.4	7142.7	6480.3	6022.5	5951.5	5802.6	5904.2
52.5°	6078.1	6124.1	6299.4	6787.8	7739.6	8207.2	7433.5	6939.5	6889.4	6613.9	6652.8
55°	5734.4	5804.0	5961.3	6504.0	7874.6	9248.0	8670.5	7973.4	7869.0	7429.3	7498.9
57.5°	4866.1	4990.0	5137.5	5843.0	7508.6	9801.9	10398.8	9068.5	8973.9	8214.1	8215.5
60°	3566.5	3666.6	3765.4	4411.1	6640.3	9764.3	11967.1	10298.6	10126.1	8855.6	8832.0
62.5°	2593.8	2645.3	2643.9	2873.5	4560.0	9121.4	12790.8	12152.1	11750.0	9541.6	9406.7
65°	2040.0	2038.6	2098.4	2173.6	2546.5	7041.1	12892.4	14858.6	14424.5	10461.4	10180.3
67.5°	1587.7	1618.3	1678.2	1899.4	1913.3	3684.7	11999.1	16532.6	16524.3	11865.5	11086.2
70°	1224.5	1266.3	1351.2	1674.0	1767.2	2062.2	8978.1	16002.5	16137.4	12493.0	10444.7
72.5°	786.2	783.4	908.7	1352.6	1697.7	1718.5	4964.9	12711.5	12864.6	11315.8	8445.1
75°	439.7	442.5	513.5	828.0	1582.2	1616.9	2458.8	9064.3	9185.4	8822.2	6488.6
77.5°	172.5	178.1	240.7	435.5	1043.6	1444.4	1461.1	6181.1	6199.2	5467.3	3979.7
80°	69.6	73.8	122.5	270.0	635.9	972.7	1043.6	3641.6	3567.9	2116.5	1157.7
82.5°	20.9	22.3	48.7	153.1	332.6	691.6	704.1	1397.1	1319.2	455.0	295.0
85°	1.4	1.4	11.1	47.3	118.3	173.9	468.9	455.0	403.5	114.1	130.8
87.5°	0.0	0.0	1.4	1.4	2.8	5.6	50.1	83.5	84.9	20.9	58.4
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°	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1	3732.1
2.5°	3744.6	3694.5	3690.3	3651.3	3612.4	3563.7	3506.6	3464.9	3435.7	3384.2	3374.4
5°	3739.0	3672.2	3609.6	3498.3	3374.4	3240.8	3124.0	3015.4	2947.2	2901.3	2881.8
7.5°	3727.9	3643.0	3498.3	3288.2	3080.8	2847.0	2664.8	2497.8	2383.7	2316.9	2287.7
10°	3719.5	3605.4	3370.3	3051.6	2730.2	2407.3	2130.4	1882.7	1745.0	1636.4	1618.3
12.5°	3702.8	3551.2	3206.1	2774.7	2360.0	1931.4	1578.0	1274.6	1064.5	969.9	936.5
15°	3686.1	3494.1	3041.9	2482.5	1956.5	1427.7	999.1	706.9	562.2	517.6	514.9
17.5°	3683.3	3442.6	2863.7	2205.6	1533.5	935.1	569.1	457.8	427.2	416.1	416.1
20°	3691.7	3399.5	2688.4	1886.9	1117.4	569.1	424.4	396.6	378.5	368.8	368.8
22.5°	3700.0	3354.9	2520.0	1565.5	741.7	416.1	374.3	350.7	329.8	318.7	313.1
25°	3705.6	3306.2	2333.6	1242.6	484.2	361.8	328.4	297.8	272.7	258.8	258.8
27.5°	3704.2	3247.8	2145.7	926.8	375.7	321.4	281.1	249.1	224.0	208.7	210.1
30°	3693.1	3183.8	1950.9	647.1	328.4	281.1	240.7	207.3	182.3	169.8	168.4
32.5°	3684.7	3115.6	1725.5	455.0	295.0	246.3	204.6	172.5	151.7	141.9	140.5
35°	3675.0	3048.8	1511.2	346.5	265.8	212.9	172.5	146.1	129.4	121.1	121.1
37.5°	3677.8	2979.2	1278.8	297.8	236.6	185.1	147.5	125.2	111.3	103.0	101.6
40°	3720.9	2937.5	1050.6	270.0	210.1	160.0	128.0	108.5	94.6	86.3	84.9
42.5°	3828.1	2938.9	832.1	249.1	186.5	136.4	111.3	93.2	80.7	71.0	69.6
45°	4042.4	2997.3	638.7	226.8	161.4	118.3	96.0	79.3	66.8	58.4	57.1
47.5°	4393.0	3171.3	484.2	207.3	140.5	103.0	82.1	66.8	55.7	48.7	47.3
50°	4951.0	3485.8	381.3	183.7	118.3	89.1	69.6	55.7	45.9	39.0	37.6
52.5°	5621.7	3957.5	327.0	162.8	101.6	77.9	59.8	45.9	37.6	32.0	30.6
55°	6392.6	4521.0	302.0	141.9	86.3	66.8	48.7	37.6	30.6	26.4	23.7
57.5°	7099.5	5028.9	300.6	121.1	73.8	57.1	40.4	32.0	26.4	20.9	19.5
60°	7788.3	5453.4	282.5	100.2	64.0	47.3	34.8	26.4	22.3	18.1	16.7
62.5°	8413.1	5798.5	236.6	80.7	54.3	39.0	29.2	23.7	19.5	15.3	15.3
65°	9197.9	6238.2	180.9	65.4	44.5	32.0	25.0	20.9	18.1	13.9	13.9
67.5°	10009.2	6470.6	129.4	54.3	36.2	27.8	22.3	19.5	15.3	12.5	12.5
70°	9065.7	5467.3	93.2	44.5	30.6	23.7	19.5	18.1	15.3	12.5	11.1
72.5°	7080.0	3942.2	69.6	34.8	26.4	22.3	18.1	16.7	13.9	11.1	11.1
75°	5250.2	2298.8	52.9	27.8	20.9	18.1	18.1	16.7	13.9	11.1	9.7
77.5°	2854.0	801.5	40.4	22.3	16.7	13.9	15.3	15.3	12.5	9.7	8.3
80°	755.6	219.9	27.8	16.7	13.9	11.1	11.1	13.9	11.1	8.3	8.3
82.5°	219.9	64.0	19.5	13.9	11.1	9.7	9.7	9.7	8.3	7.0	5.6
85°	107.1	23.7	13.9	11.1	9.7	8.3	7.0	7.0	5.6	4.2	4.2
87.5°	47.3	9.7	11.1	9.7	9.7	7.0	5.6	4.2	4.2	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)