

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: P635721

Luminaire Tested: GWS-SA3E-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635721
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-SA3E-735-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 17194.1 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

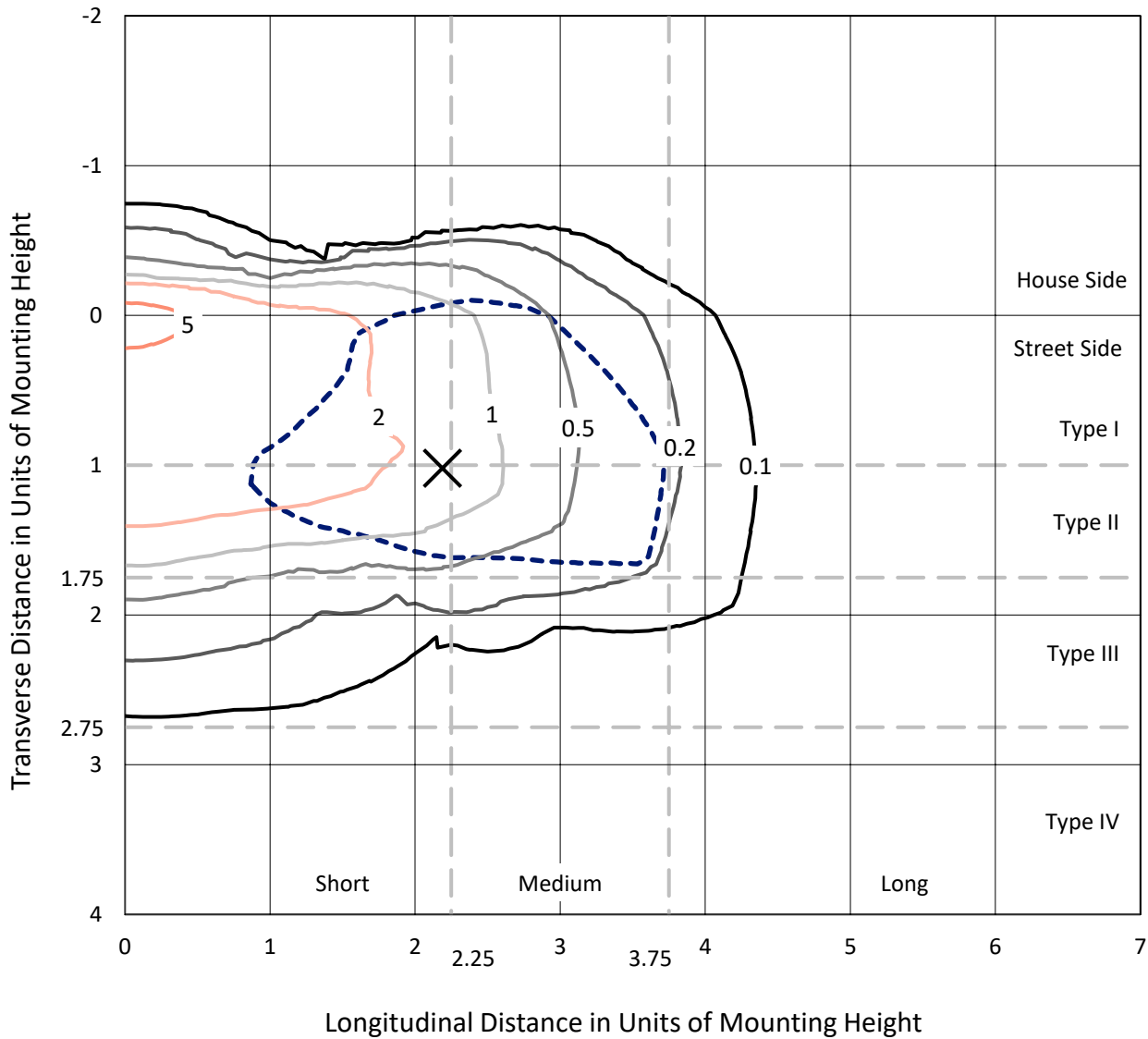
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

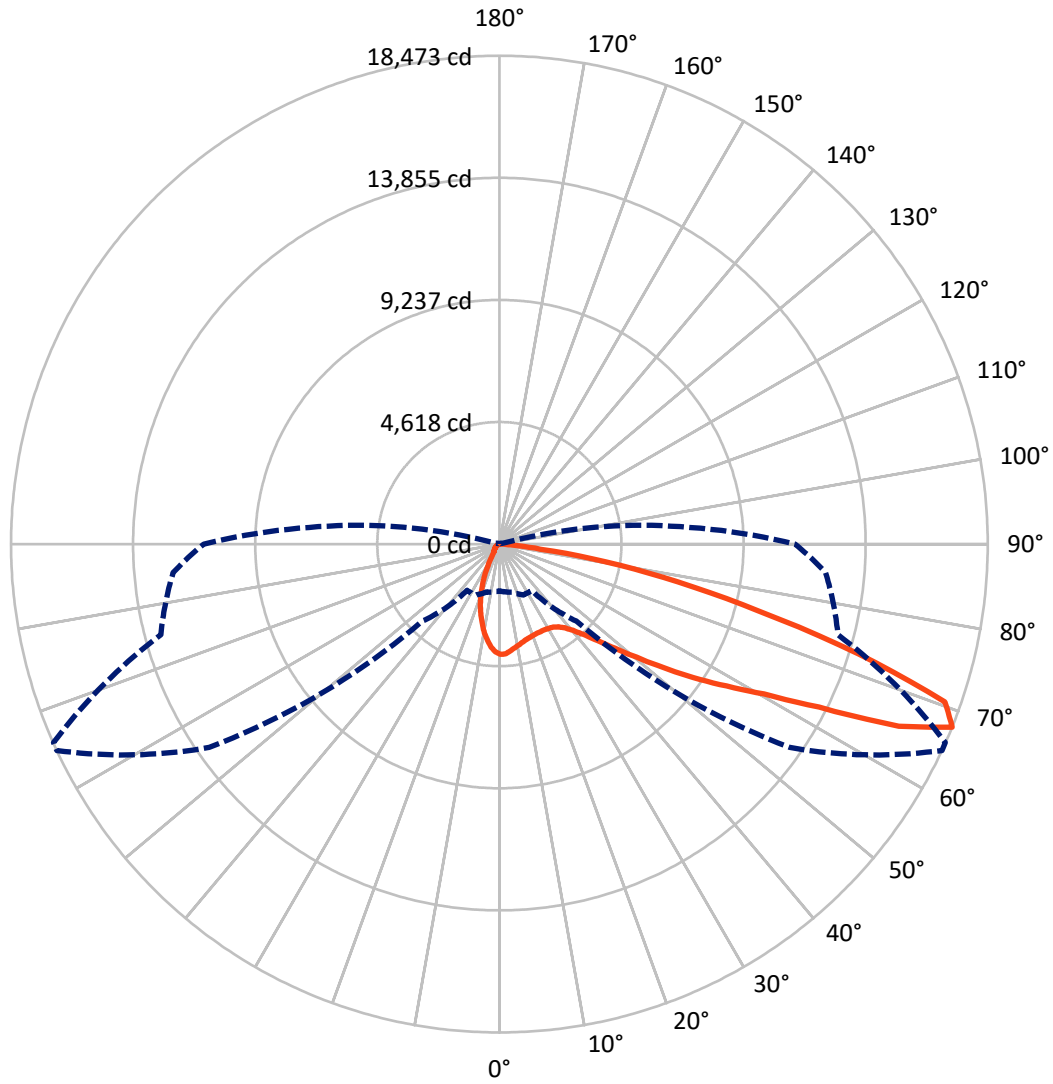
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	2147.0	0.0	2147.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	15047.1	0.0	15047.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	17194.1	0.0	17194.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.3	2.0
10°-20°	778.6	4.5
20°-30°	1112.5	6.5
30°-40°	1618.6	9.4
40°-50°	2535.0	14.7
50°-60°	3954.7	23.0
60°-70°	4344.0	25.3
70°-80°	2311.9	13.4
80°-90°	192.5	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°	17194.1	100.0
0°-180°	17194.1	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1
2.5°	4025.5	4037.9	4020.8	4062.8	4070.6	4117.2	4143.7	4162.3	4160.8	4184.1	4184.1
5°	3789.2	3801.6	3792.3	3837.4	3873.1	3946.2	4006.9	4076.8	4079.9	4151.5	4177.9
7.5°	3588.6	3590.2	3590.2	3646.1	3692.8	3783.0	3873.1	3980.4	3992.9	4103.3	4173.2
10°	3423.8	3428.4	3430.0	3493.8	3545.1	3653.9	3769.0	3898.0	3912.0	4061.3	4170.1
12.5°	3310.3	3311.8	3318.1	3384.9	3440.9	3554.4	3671.0	3818.7	3837.4	4013.1	4156.1
15°	3255.9	3252.7	3255.9	3311.8	3367.8	3476.6	3596.4	3755.0	3775.2	3972.6	4157.7
17.5°	3252.7	3248.1	3245.0	3287.0	3322.7	3419.1	3540.4	3713.0	3734.8	3954.0	4174.8
20°	3297.8	3294.7	3279.2	3297.8	3305.6	3384.9	3504.6	3680.3	3702.1	3950.9	4212.1
22.5°	3416.0	3408.2	3384.9	3367.8	3325.8	3372.5	3479.8	3657.0	3681.9	3958.7	4260.3
25°	3591.7	3588.6	3559.1	3517.1	3409.8	3391.1	3481.3	3657.0	3680.3	3968.0	4311.6
27.5°	3856.0	3837.4	3800.1	3727.0	3573.0	3464.2	3512.4	3666.3	3689.7	3980.4	4353.6
30°	4125.0	4123.5	4111.0	4036.4	3807.8	3604.1	3577.7	3691.2	3713.0	3991.3	4392.5
32.5°	4403.3	4408.0	4439.1	4381.6	4131.2	3812.5	3695.9	3742.5	3758.1	4013.1	4426.7
35°	4667.7	4677.0	4759.4	4779.6	4524.6	4128.1	3888.7	3845.1	3846.7	4061.3	4471.8
37.5°	4921.1	4952.2	5084.4	5182.3	5014.4	4510.6	4167.0	4019.3	4006.9	4157.7	4540.2
40°	5208.8	5267.8	5434.2	5600.6	5547.7	5015.9	4546.4	4286.7	4260.3	4334.9	4663.0
42.5°	5527.5	5591.2	5812.0	6045.3	6070.1	5627.0	5020.6	4677.0	4631.9	4633.5	4893.1
45°	5869.6	5955.1	6211.6	6547.5	6698.3	6308.0	5605.2	5204.1	5159.0	5092.1	5263.2
47.5°	6318.9	6393.5	6640.8	7027.9	7317.1	7038.8	6371.8	5882.0	5799.6	5701.6	5838.5
50°	6706.1	6771.4	6984.4	7469.5	8071.2	7981.1	7240.9	6729.4	6650.1	6483.7	6597.2
52.5°	6791.6	6842.9	7038.8	7584.6	8648.1	9170.5	8306.0	7754.0	7698.1	7390.2	7433.7
55°	6407.5	6485.3	6661.0	7267.4	8798.9	10333.5	9688.3	8909.3	8792.7	8301.4	8379.1
57.5°	5437.3	5575.7	5740.5	6528.8	8390.0	10952.4	11619.4	10133.0	10027.2	9178.3	9179.8
60°	3985.1	4097.0	4207.4	4928.9	7419.7	10910.4	13371.7	11507.5	11314.7	9895.1	9868.6
62.5°	2898.2	2955.8	2954.2	3210.8	5095.2	10192.0	14292.2	13578.5	13129.2	10661.6	10510.8
65°	2279.4	2277.9	2344.7	2428.7	2845.4	7867.5	14405.7	16602.7	16117.6	11689.4	11375.3
67.5°	1774.1	1808.3	1875.2	2122.4	2137.9	4117.2	13407.5	18473.2	18463.9	13258.2	12387.5
70°	1368.3	1414.9	1509.8	1870.5	1974.7	2304.3	10031.9	17880.8	18031.6	13959.5	11670.7
72.5°	878.5	875.4	1015.3	1511.3	1896.9	1920.2	5547.7	14203.6	14374.6	12644.0	9436.4
75°	491.3	494.4	573.7	925.1	1767.9	1806.7	2747.4	10128.3	10263.6	9857.8	7250.3
77.5°	192.8	199.0	269.0	486.7	1166.1	1613.9	1632.6	6906.6	6926.9	6109.0	4446.9
80°	77.7	82.4	136.8	301.6	710.6	1086.8	1166.1	4069.0	3986.6	2364.9	1293.6
82.5°	23.3	24.9	54.4	171.0	371.6	772.8	786.8	1561.1	1474.0	508.4	329.6
85°	1.6	1.6	12.4	52.9	132.2	194.4	524.0	508.4	450.9	127.5	146.2
87.5°	0.0	0.0	1.6	1.6	3.1	6.2	56.0	93.3	94.8	23.3	65.3
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°	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1
2.5°	4184.1	4128.1	4123.5	4079.9	4036.4	3982.0	3918.2	3871.6	3838.9	3781.4	3770.5
5°	4177.9	4103.3	4033.3	3908.9	3770.5	3621.2	3490.6	3369.4	3293.2	3241.9	3220.1
7.5°	4165.4	4070.6	3908.9	3674.1	3442.4	3181.2	2977.5	2791.0	2663.5	2588.8	2556.2
10°	4156.1	4028.6	3765.8	3409.8	3050.6	2689.9	2380.5	2103.7	1949.8	1828.5	1808.3
12.5°	4137.5	3968.0	3582.4	3100.4	2637.0	2158.1	1763.2	1424.2	1189.5	1083.7	1046.4
15°	4118.8	3904.2	3398.9	2773.9	2186.1	1595.3	1116.4	789.9	628.2	578.4	575.3
17.5°	4115.7	3846.7	3199.9	2464.4	1713.4	1044.9	635.9	511.5	477.3	464.9	464.9
20°	4125.0	3798.5	3004.0	2108.4	1248.5	635.9	474.2	443.1	422.9	412.0	412.0
22.5°	4134.3	3748.7	2815.8	1749.2	828.7	464.9	418.3	391.8	368.5	356.1	349.8
25°	4140.6	3694.3	2607.5	1388.5	541.1	404.3	366.9	332.7	304.8	289.2	289.2
27.5°	4139.0	3629.0	2397.6	1035.5	419.8	359.2	314.1	278.3	250.3	233.2	234.8
30°	4126.6	3557.5	2179.9	723.0	366.9	314.1	269.0	231.7	203.7	189.7	188.1
32.5°	4117.2	3481.3	1928.0	508.4	329.6	275.2	228.6	192.8	169.5	158.6	157.0
35°	4106.4	3406.7	1688.6	387.2	297.0	237.9	192.8	163.3	144.6	135.3	135.3
37.5°	4109.5	3328.9	1428.9	332.7	264.3	206.8	164.8	139.9	124.4	115.1	113.5
40°	4157.7	3282.3	1173.9	301.6	234.8	178.8	143.0	121.3	105.7	96.4	94.8
42.5°	4277.4	3283.8	929.8	278.3	208.4	152.4	124.4	104.2	90.2	79.3	77.7
45°	4516.8	3349.1	713.7	253.4	180.4	132.2	107.3	88.6	74.6	65.3	63.7
47.5°	4908.7	3543.5	541.1	231.7	157.0	115.1	91.7	74.6	62.2	54.4	52.9
50°	5532.2	3894.9	426.0	205.2	132.2	99.5	77.7	62.2	51.3	43.5	42.0
52.5°	6281.6	4422.0	365.4	181.9	113.5	87.1	66.9	51.3	42.0	35.8	34.2
55°	7143.0	5051.7	337.4	158.6	96.4	74.6	54.4	42.0	34.2	29.5	26.4
57.5°	7932.9	5619.2	335.8	135.3	82.4	63.7	45.1	35.8	29.5	23.3	21.8
60°	8702.5	6093.5	315.6	111.9	71.5	52.9	38.9	29.5	24.9	20.2	18.7
62.5°	9400.6	6479.1	264.3	90.2	60.6	43.5	32.7	26.4	21.8	17.1	17.1
65°	10277.6	6970.4	202.1	73.1	49.8	35.8	28.0	23.3	20.2	15.5	15.5
67.5°	11184.0	7230.1	144.6	60.6	40.4	31.1	24.9	21.8	17.1	14.0	14.0
70°	10129.9	6109.0	104.2	49.8	34.2	26.4	21.8	20.2	17.1	14.0	12.4
72.5°	7911.1	4404.9	77.7	38.9	29.5	24.9	20.2	18.7	15.5	12.4	12.4
75°	5866.5	2568.6	59.1	31.1	23.3	20.2	20.2	18.7	15.5	12.4	10.9
77.5°	3189.0	895.6	45.1	24.9	18.7	15.5	17.1	17.1	14.0	10.9	9.3
80°	844.3	245.7	31.1	18.7	15.5	12.4	12.4	15.5	12.4	9.3	9.3
82.5°	245.7	71.5	21.8	15.5	12.4	10.9	10.9	10.9	9.3	7.8	6.2
85°	119.7	26.4	15.5	12.4	10.9	9.3	7.8	7.8	6.2	4.7	4.7
87.5°	52.9	10.9	12.4	10.9	10.9	7.8	6.2	4.7	4.7	3.1	1.6
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)