

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: P641827

Luminaire Tested: GWS-SA6B-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20991.1 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 138.9
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

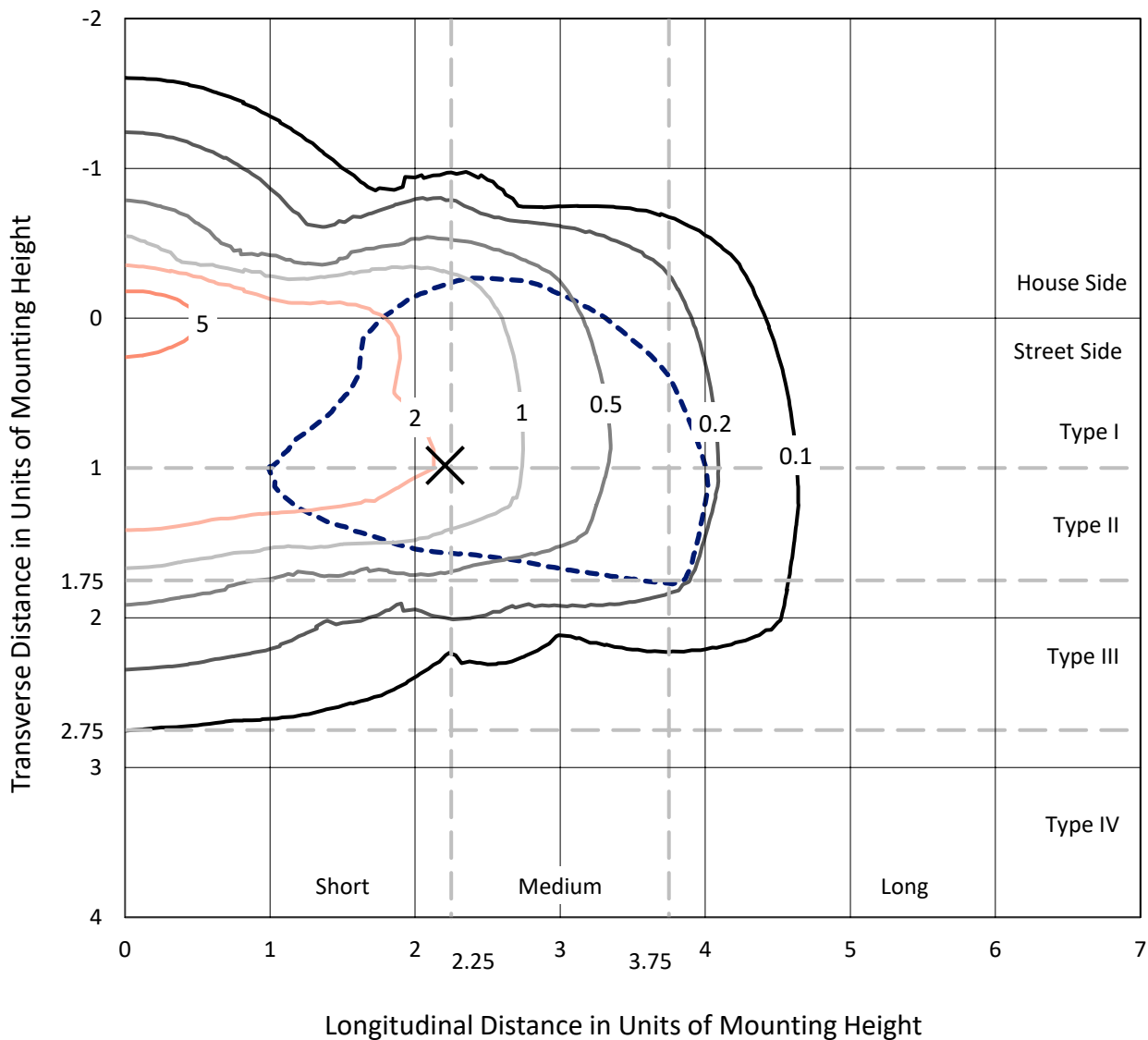


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Iso-Footcandle Lines of Horizontal Illumination

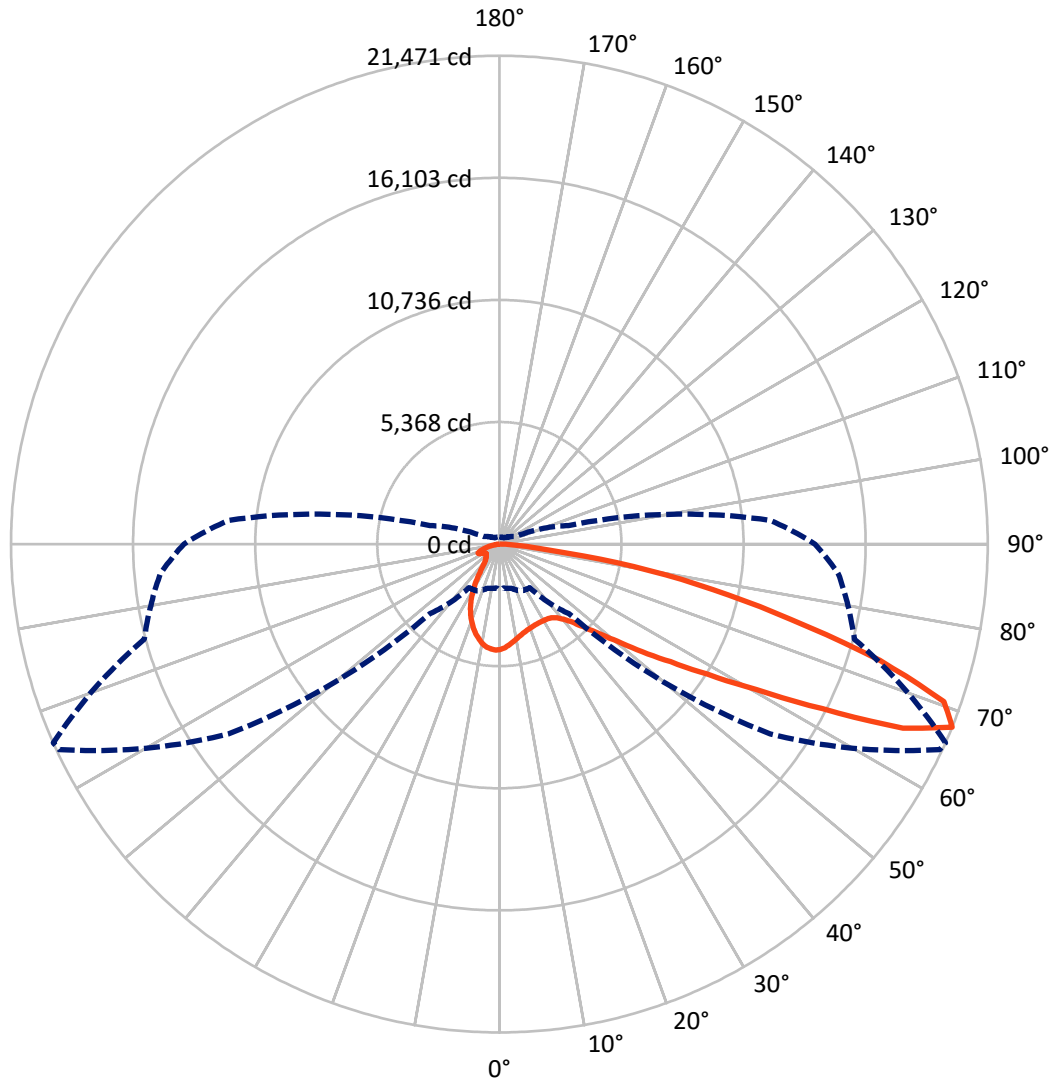
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4259.6	0.0	4259.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	16731.5	0.0	16731.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	20991.1	0.0	20991.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.1	1.9
10°-20°	1000.5	4.8
20°-30°	1375.1	6.6
30°-40°	1880.1	9.0
40°-50°	2848.8	13.6
50°-60°	4428.5	21.1
60°-70°	5391.6	25.7
70°-80°	3284.3	15.6
80°-90°	375.1	1.8
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°	20991.1	100.0
0°-180°	20991.1	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4
2.5°	4344.4	4359.7	4350.5	4408.7	4411.8	4485.3	4526.6	4561.9	4564.9	4610.9	4641.5
5°	4047.3	4056.5	4056.5	4111.7	4148.4	4246.4	4341.4	4442.4	4450.1	4560.3	4644.6
7.5°	3806.9	3816.1	3810.0	3883.5	3931.0	4039.7	4160.7	4315.3	4330.6	4508.3	4655.3
10°	3618.6	3615.5	3630.8	3698.2	3759.4	3889.6	4024.4	4200.5	4223.4	4448.6	4667.5
12.5°	3489.9	3493.0	3502.2	3572.6	3638.5	3767.1	3906.5	4097.9	4122.4	4379.6	4661.4
15°	3428.7	3422.6	3430.2	3494.5	3557.3	3670.6	3814.6	4012.1	4036.6	4318.4	4662.9
17.5°	3414.9	3410.3	3408.8	3454.7	3502.2	3607.8	3745.7	3946.3	3972.3	4278.6	4672.1
20°	3457.8	3451.6	3434.8	3454.7	3474.6	3563.4	3696.7	3898.8	3927.9	4252.5	4690.5
22.5°	3575.7	3565.0	3538.9	3514.4	3488.4	3542.0	3666.0	3863.6	3892.7	4235.7	4708.9
25°	3754.9	3745.7	3718.1	3663.0	3568.0	3558.8	3659.9	3848.3	3877.4	4223.4	4716.5
27.5°	4001.4	3987.6	3960.1	3880.4	3725.8	3621.6	3682.9	3846.7	3874.3	4209.7	4708.9
30°	4293.9	4284.7	4269.4	4172.9	3966.2	3754.9	3734.9	3859.0	3880.4	4202.0	4693.6
32.5°	4591.0	4581.8	4594.0	4548.1	4293.9	3975.4	3848.3	3892.7	3908.0	4200.5	4679.8
35°	4852.8	4863.5	4952.4	4960.0	4710.4	4274.0	4027.4	3970.8	3973.8	4231.1	4685.9
37.5°	5126.9	5168.3	5284.7	5384.2	5175.9	4669.1	4293.9	4117.8	4114.7	4309.2	4724.2
40°	5489.9	5508.2	5656.8	5843.6	5713.4	5211.2	4672.1	4358.2	4336.8	4468.5	4826.8
42.5°	5843.6	5888.0	6125.4	6339.8	6296.9	5822.2	5148.4	4718.1	4679.8	4750.2	5038.1
45°	6293.8	6336.7	6603.1	6878.8	6956.9	6512.8	5757.8	5229.5	5191.3	5174.4	5425.5
47.5°	6744.0	6788.4	7027.3	7425.5	7699.6	7376.5	6551.1	5904.9	5842.1	5776.2	6010.5
50°	7047.2	7099.3	7327.5	7805.3	8448.4	8454.5	7491.3	6790.0	6710.3	6606.2	6834.4
52.5°	7036.5	7070.2	7287.7	7838.9	8987.5	9693.4	8750.1	7917.0	7852.7	7626.1	7825.2
55°	6483.7	6534.2	6753.2	7442.3	9045.6	10867.9	10600.0	9246.2	9131.4	8725.6	8944.6
57.5°	5373.5	5416.4	5636.9	6486.8	8529.6	11469.8	12949.0	10939.9	10782.2	9923.1	10175.8
60°	4056.5	4004.5	4108.6	4852.8	7295.3	11485.1	15022.5	13236.9	12973.5	11203.3	11414.6
62.5°	3044.3	2992.2	3015.2	3225.0	4946.2	10557.1	16204.7	16379.2	15944.3	12648.9	12607.5
65°	2405.7	2376.6	2442.5	2586.4	2883.5	8039.5	16213.9	19777.3	19503.2	14324.2	13831.1
67.5°	1960.1	1941.7	2009.1	2275.6	2338.4	4319.9	14538.6	21363.8	21471.0	16158.7	14965.8
70°	1578.8	1551.3	1656.9	2007.6	2174.5	2614.0	10414.7	20555.2	20728.3	17252.1	14645.8
72.5°	1090.3	1091.8	1145.4	1626.3	2099.5	2257.2	5891.1	17115.8	17491.0	16261.3	12875.5
75°	735.0	741.2	756.5	1073.5	1934.1	2189.8	3139.3	12958.2	13223.1	13440.6	10642.8
77.5°	444.1	447.2	482.4	649.3	1333.8	2044.3	2127.0	9393.3	9601.5	8860.3	6597.0
80°	257.3	268.0	300.1	434.9	900.4	1535.9	1646.2	5759.4	5995.2	3938.6	2096.4
82.5°	113.3	121.0	163.9	252.7	525.3	1306.2	1284.8	2275.6	2241.9	1098.0	727.4
85°	19.9	24.5	35.2	79.6	192.9	689.1	996.9	1004.6	944.8	416.5	301.7
87.5°	0.0	0.0	0.0	0.0	0.0	4.6	150.1	269.5	268.0	117.9	104.1
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°	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4	4638.4
2.5°	4661.4	4620.1	4656.8	4661.4	4653.8	4647.6	4601.7	4561.9	4557.3	4514.4	4514.4
5°	4678.3	4640.0	4658.3	4623.1	4568.0	4511.3	4413.3	4346.0	4315.3	4260.2	4260.2
7.5°	4701.2	4661.4	4640.0	4552.7	4424.0	4300.0	4142.3	4010.6	3957.0	3878.9	3875.8
10°	4722.7	4672.1	4598.6	4428.6	4223.4	4025.9	3796.2	3609.4	3482.3	3388.9	3388.9
12.5°	4721.1	4655.3	4509.8	4258.7	3975.4	3689.0	3382.7	3101.0	2932.5	2787.0	2777.9
15°	4718.1	4627.7	4396.5	4061.1	3685.9	3289.3	2872.8	2505.3	2255.7	2113.3	2101.0
17.5°	4715.0	4592.5	4269.4	3836.0	3333.7	2793.2	2243.4	1845.3	1637.0	1549.7	1552.8
20°	4715.0	4552.7	4133.1	3577.2	2927.9	2199.0	1646.2	1356.8	1304.7	1309.3	1313.9
22.5°	4701.2	4503.7	3981.5	3295.4	2476.2	1617.1	1214.4	1116.3	1143.9	1186.8	1192.9
25°	4669.1	4422.5	3805.4	2983.1	1938.7	1177.6	990.8	972.4	1022.9	1076.5	1091.8
27.5°	4618.5	4329.1	3607.8	2617.1	1427.2	946.4	871.3	869.8	909.6	949.4	963.2
30°	4564.9	4225.0	3399.6	2209.7	1033.7	823.9	794.8	794.8	814.7	839.2	836.1
32.5°	4502.1	4119.3	3176.0	1785.5	842.2	755.0	745.8	741.2	744.2	753.4	753.4
35°	4448.6	4025.9	2946.3	1336.9	755.0	716.7	707.5	696.8	692.2	686.0	689.1
37.5°	4428.6	3952.4	2708.9	1007.6	712.1	689.1	673.8	658.5	647.8	644.7	643.2
40°	4460.8	3921.8	2471.6	830.0	681.4	660.0	643.2	623.3	614.1	614.1	614.1
42.5°	4586.4	3944.7	2229.6	750.4	660.0	635.5	611.0	592.6	589.6	592.6	594.2
45°	4816.1	4033.6	1978.5	710.5	641.6	611.0	581.9	568.1	568.1	571.2	571.2
47.5°	5226.5	4266.3	1730.4	686.0	623.3	591.1	560.5	546.7	545.2	548.2	548.2
50°	5937.0	4685.9	1506.8	669.2	609.5	575.8	545.2	526.8	522.2	520.7	520.7
52.5°	6832.9	5413.3	1364.4	656.9	592.6	558.9	528.3	503.8	494.6	490.0	490.0
55°	7915.5	6382.6	1364.4	647.8	571.2	539.0	503.8	479.3	465.5	459.4	459.4
57.5°	9142.1	7511.2	1600.3	640.1	554.3	516.1	477.8	453.3	438.0	428.8	428.8
60°	10390.2	8704.2	2183.7	629.4	539.0	487.0	448.7	425.7	405.8	395.1	393.6
62.5°	11684.1	10018.0	2952.4	635.5	528.3	459.4	418.1	392.0	375.2	364.5	362.9
65°	12869.4	11269.2	3624.7	683.0	529.8	434.9	382.8	359.9	346.1	332.3	330.8
67.5°	13875.5	11959.8	3153.0	779.5	562.0	405.8	347.6	324.6	312.4	303.2	301.7
70°	13171.1	10906.2	1788.6	839.2	606.4	375.2	307.8	292.5	280.2	274.1	272.6
72.5°	11263.0	9234.0	1196.0	741.2	552.8	335.4	271.0	258.8	249.6	242.0	240.4
75°	9123.7	7322.9	914.2	607.9	430.3	272.6	232.8	223.6	214.4	206.7	205.2
77.5°	5398.0	4231.1	673.8	480.8	303.2	212.9	192.9	185.3	176.1	170.0	168.4
80°	1722.8	1470.1	427.2	330.8	200.6	163.9	148.5	142.4	133.2	125.6	124.0
82.5°	656.9	568.1	226.6	168.4	133.2	111.8	99.5	93.4	87.3	79.6	78.1
85°	291.0	272.6	125.6	90.3	72.0	55.1	49.0	45.9	38.3	32.2	30.6
87.5°	102.6	102.6	53.6	26.0	15.3	7.7	4.6	1.5	0.0	0.0	0.0
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)