

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: P640861

Luminaire Tested: GWS-SA5E-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23388.1 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

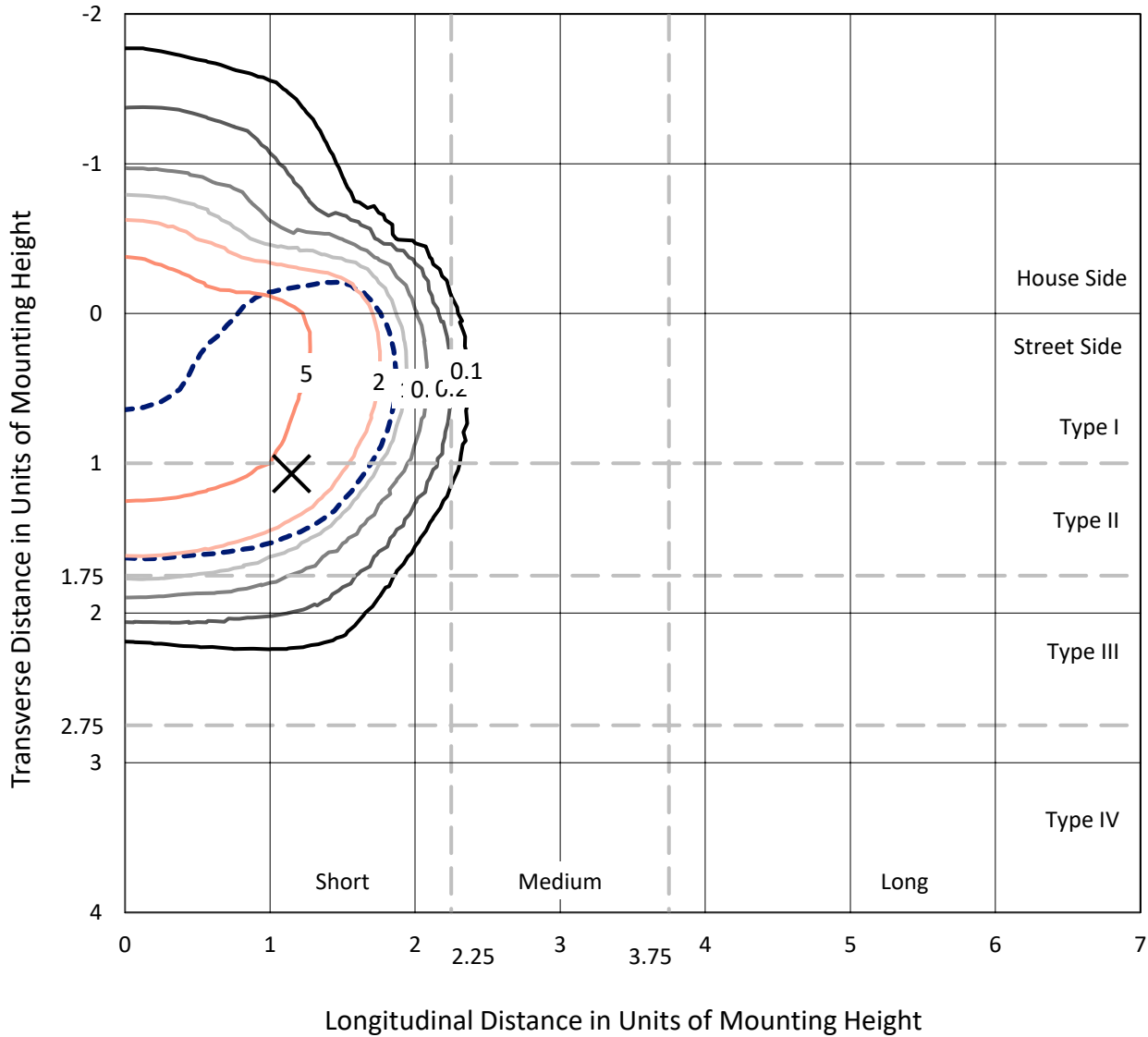
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

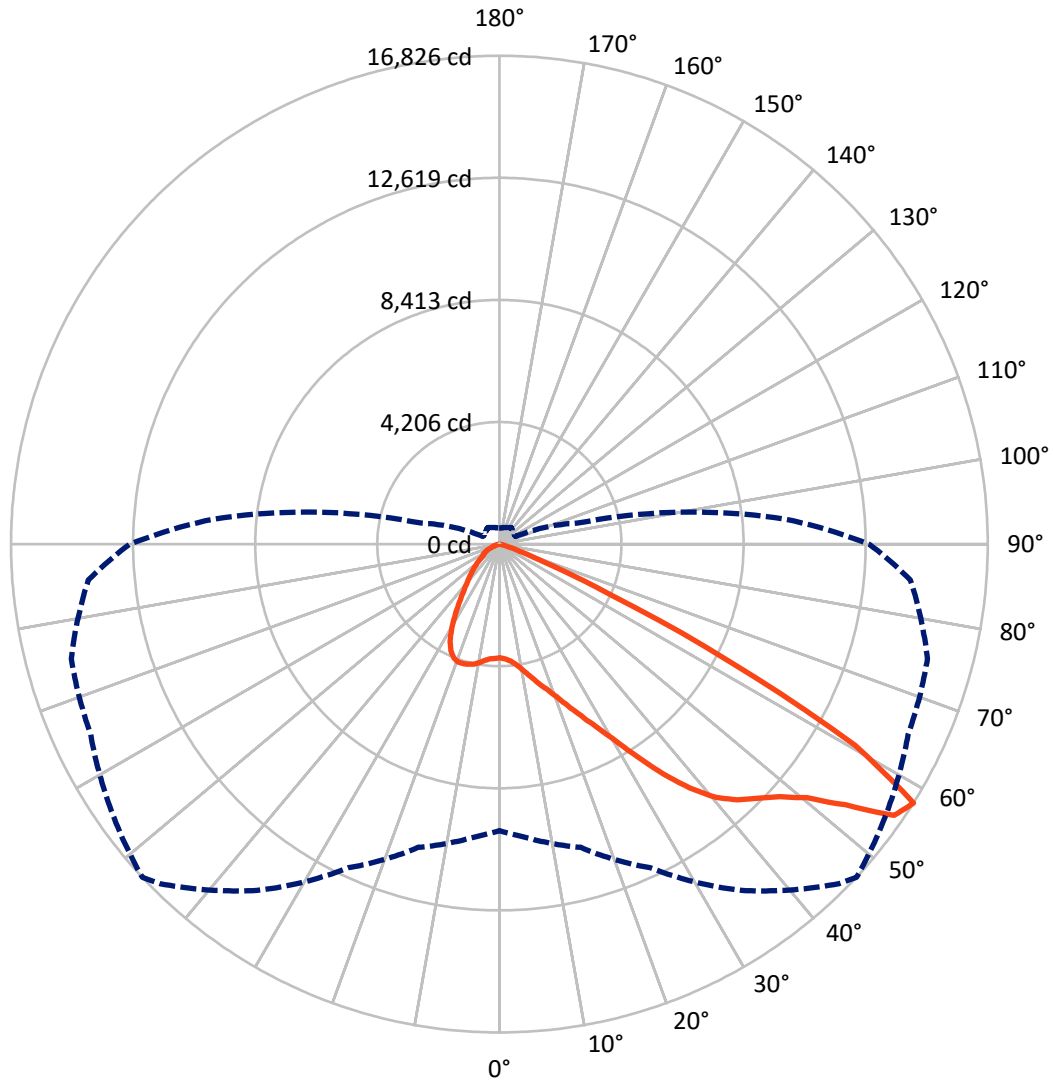
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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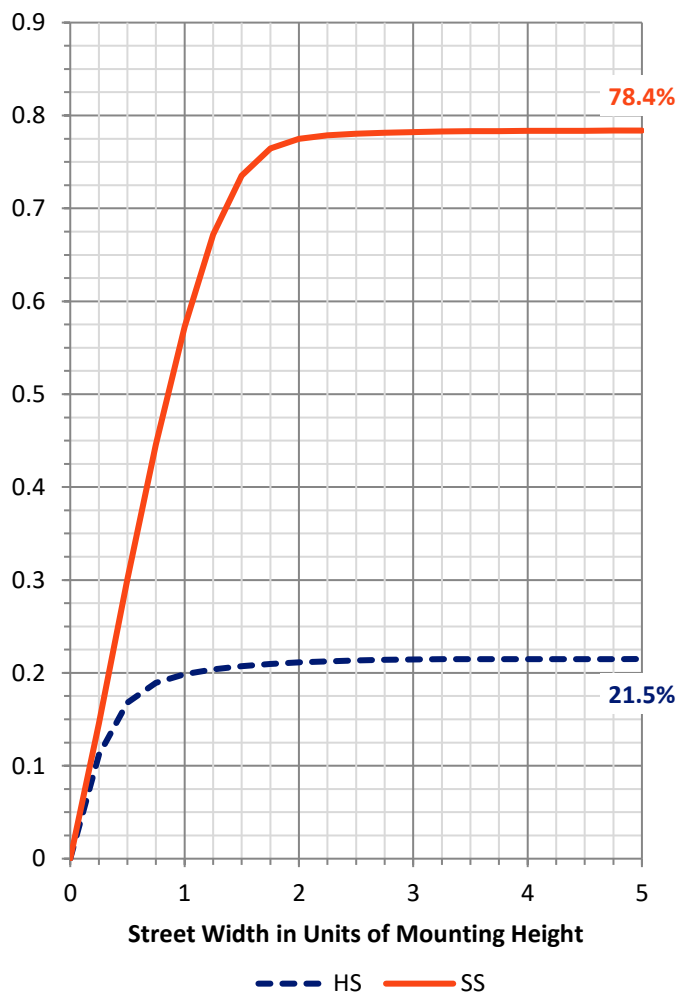
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5074.0	0.0	5074.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	18314.1	0.0	18314.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	23388.1	0.0	23388.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.5	1.7
10°-20°	1314.3	5.6
20°-30°	2440.4	10.4
30°-40°	3906.6	16.7
40°-50°	5710.5	24.4
50°-60°	7047.8	30.1
60°-70°	2355.0	10.1
70°-80°	219.4	0.9
80°-90°	4.5	0.0
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°	23388.1	100.0
0°-180°	23388.1	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2
2.5°	3955.9	3953.2	3950.5	3966.8	3961.3	3958.6	3964.1	3964.1	3964.1	3947.8	3915.2
5°	4050.9	4050.9	4048.2	4064.5	4050.9	4042.8	4045.5	4045.5	4034.7	4004.8	3964.1
7.5°	4200.3	4194.8	4189.4	4205.7	4192.1	4189.4	4194.8	4178.6	4159.6	4110.7	4053.7
10°	4414.8	4414.8	4406.6	4422.9	4412.1	4406.6	4406.6	4395.8	4360.5	4284.4	4200.3
12.5°	4710.7	4697.1	4678.1	4664.6	4659.1	4656.4	4659.1	4642.8	4604.8	4507.1	4390.3
15°	5033.8	5023.0	4993.1	4971.4	4941.5	4936.1	4952.4	4938.8	4900.8	4767.7	4602.1
17.5°	5441.1	5454.7	5378.6	5332.5	5245.6	5240.2	5245.6	5267.3	5240.2	5069.1	4827.5
20°	5788.6	5799.5	5742.5	5709.9	5631.1	5595.8	5606.7	5642.0	5612.1	5411.2	5074.5
22.5°	6160.6	6174.2	6114.4	6046.6	6011.3	6011.3	6052.0	6100.9	6060.1	5796.8	5356.9
25°	6605.9	6616.7	6567.9	6478.3	6415.8	6494.6	6554.3	6684.6	6616.7	6258.3	5690.9
27.5°	7116.3	7119.0	7048.4	6956.1	6923.5	7070.2	7129.9	7330.8	7303.7	6776.9	6043.8
30°	7662.0	7664.8	7648.5	7586.0	7556.2	7748.9	7830.4	8120.9	8101.9	7420.4	6524.4
32.5°	8229.5	8229.5	8259.4	8253.9	8289.2	8604.2	8734.5	9065.8	9046.8	8207.8	7121.7
35°	8799.7	8802.4	8854.0	8984.3	9130.9	9549.1	9720.1	10121.9	10078.5	9149.9	7884.7
37.5°	9448.6	9421.4	9492.0	9687.5	10013.3	10496.6	10659.5	11042.4	10993.5	10113.8	8881.1
40°	10230.5	10181.7	10181.7	10409.7	10779.0	11335.6	11474.1	11664.1	11498.5	10893.0	9858.6
42.5°	11094.0	11047.8	10988.1	11189.0	11498.5	11932.9	12047.0	11995.4	11859.6	11628.8	10971.8
45°	11968.2	11897.6	11938.4	12060.5	12239.7	12446.1	12489.5	12250.6	12188.1	12253.3	11892.2
47.5°	12633.4	12584.5	12685.0	12856.1	13002.7	13032.5	13002.7	12671.4	12666.0	12896.8	12530.2
50°	12856.1	12861.5	13138.4	13513.1	13749.3	13773.8	13733.0	13352.9	13301.3	13369.2	12875.1
52.5°	12877.8	12899.5	13304.1	14018.1	14661.6	14954.8	14922.3	14512.3	14007.3	13934.0	13396.4
55°	12353.8	12481.4	13046.1	14088.7	15457.1	16393.9	16502.5	15717.8	14968.4	14906.0	14517.7
57.5°	9874.9	10135.5	10817.0	12302.2	14569.3	16543.2	16825.6	16260.8	15535.9	15269.8	14216.3
60°	5902.7	6225.8	6880.1	8701.9	11088.5	13597.3	14083.3	14162.0	13828.1	13059.7	10906.6
62.5°	2533.2	2506.0	3312.4	4708.0	6595.0	8642.2	8862.1	9204.2	9494.8	8691.1	6619.4
65°	868.8	944.9	1314.1	2123.2	3301.6	4012.9	4208.4	4515.2	4927.9	4067.2	2424.6
67.5°	537.6	570.2	757.5	1254.4	1781.1	1754.0	1667.1	1618.2	1574.8	1077.9	665.2
70°	391.0	418.1	532.2	863.4	1197.4	841.7	730.4	591.9	657.1	605.5	472.4
72.5°	263.4	285.1	366.5	524.0	613.6	410.0	380.1	431.7	521.3	496.9	385.5
75°	157.5	171.1	209.1	255.2	249.8	211.8	214.5	304.1	399.1	372.0	274.2
77.5°	108.6	114.0	138.5	165.6	122.2	65.2	59.7	84.2	135.8	135.8	92.3
80°	27.2	35.3	35.3	21.7	19.0	16.3	16.3	24.4	38.0	27.2	13.6
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	5.4	5.4
85°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	5.4
87.5°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4
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°	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2
2.5°	3934.2	3901.6	3923.3	3917.9	3934.2	3939.6	3915.2	3909.8	3912.5	3879.9	3869.0
5°	3972.2	3934.2	3945.1	3934.2	3953.2	3969.5	3961.3	3972.2	3985.8	3961.3	3950.5
7.5°	4053.7	4015.7	4012.9	3996.6	4023.8	4034.7	4031.9	4061.8	4089.0	4072.7	4056.4
10°	4194.8	4143.3	4137.8	4124.3	4132.4	4140.5	4110.7	4116.1	4140.5	4121.5	4113.4
12.5°	4368.6	4306.2	4292.6	4260.0	4260.0	4219.3	4154.1	4140.5	4159.6	4146.0	4132.4
15°	4556.0	4471.8	4450.1	4393.1	4338.8	4262.7	4194.8	4178.6	4192.1	4175.8	4165.0
17.5°	4765.0	4670.0	4599.4	4498.9	4379.5	4289.9	4213.9	4178.6	4156.8	4124.3	4121.5
20°	4971.4	4846.5	4727.0	4566.8	4409.3	4273.6	4148.7	4056.4	3977.6	3928.8	3909.8
22.5°	5210.3	5025.7	4832.9	4607.5	4382.2	4175.8	3955.9	3798.4	3662.7	3616.5	3594.8
25°	5465.5	5226.6	4938.8	4645.6	4289.9	3958.6	3660.0	3426.5	3247.3	3187.5	3163.1
27.5°	5747.9	5419.4	5047.4	4637.4	4099.8	3649.1	3252.7	2962.2	2785.7	2731.4	2750.4
30°	6106.3	5669.2	5183.2	4553.2	3814.7	3214.7	2750.4	2506.0	2373.0	2321.4	2324.1
32.5°	6584.1	6027.6	5381.4	4374.0	3448.2	2720.5	2313.3	2134.1	2044.5	1976.6	1971.2
35°	7268.4	6573.3	5566.0	4086.2	3002.9	2280.7	1984.7	1843.6	1718.7	1639.9	1653.5
37.5°	8088.3	7260.2	5666.4	3698.0	2503.3	1938.6	1737.7	1593.8	1452.6	1335.8	1349.4
40°	9060.3	8158.9	5658.3	3187.5	2047.2	1705.1	1531.3	1363.0	1186.5	1080.6	1091.5
42.5°	10143.7	9008.7	5481.8	2647.2	1696.9	1515.0	1333.1	1121.3	950.3	885.1	887.8
45°	11083.1	9698.4	5172.3	2087.9	1428.1	1330.4	1126.8	909.6	833.5	787.4	784.7
47.5°	11778.2	10203.4	4729.7	1642.6	1210.9	1162.1	925.9	814.5	754.8	716.8	711.4
50°	12166.4	10379.9	4241.0	1287.0	1023.6	985.6	828.1	738.5	697.8	673.3	667.9
52.5°	12687.7	10591.7	3890.8	1015.5	858.0	806.4	762.9	686.9	659.8	640.8	632.6
55°	13513.1	11001.6	3586.7	806.4	714.1	703.2	719.5	657.1	640.8	610.9	600.0
57.5°	12736.6	9883.0	2785.7	624.5	602.8	643.5	695.1	627.2	586.5	559.3	548.5
60°	8962.6	6570.6	1401.0	502.3	537.6	602.8	654.3	567.5	526.7	532.2	526.7
62.5°	4941.5	3288.0	629.9	420.8	467.0	532.2	559.3	491.4	464.3	510.4	518.6
65°	1615.5	1118.6	363.8	325.8	369.3	434.4	483.3	467.0	461.6	515.9	532.2
67.5°	496.9	369.3	247.1	233.5	255.2	320.4	407.3	505.0	543.0	559.3	567.5
70°	372.0	290.5	211.8	198.2	209.1	244.4	344.8	420.8	396.4	399.1	393.7
72.5°	298.7	230.8	181.9	173.8	173.8	168.3	181.9	228.1	257.9	271.5	271.5
75°	209.1	162.9	138.5	127.6	100.5	81.5	73.3	73.3	65.2	62.4	59.7
77.5°	70.6	59.7	54.3	43.4	29.9	24.4	21.7	19.0	13.6	8.1	5.4
80°	10.9	8.1	5.4	5.4	5.4	2.7	2.7	2.7	0.0	0.0	0.0
82.5°	5.4	5.4	5.4	5.4	5.4	2.7	2.7	0.0	0.0	0.0	0.0
85°	5.4	5.4	5.4	5.4	5.4	2.7	2.7	0.0	0.0	0.0	0.0
87.5°	5.4	5.4	5.4	5.4	2.7	2.7	2.7	0.0	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)