

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: P635762

Luminaire Tested: GWS-SA3E-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19936.5 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

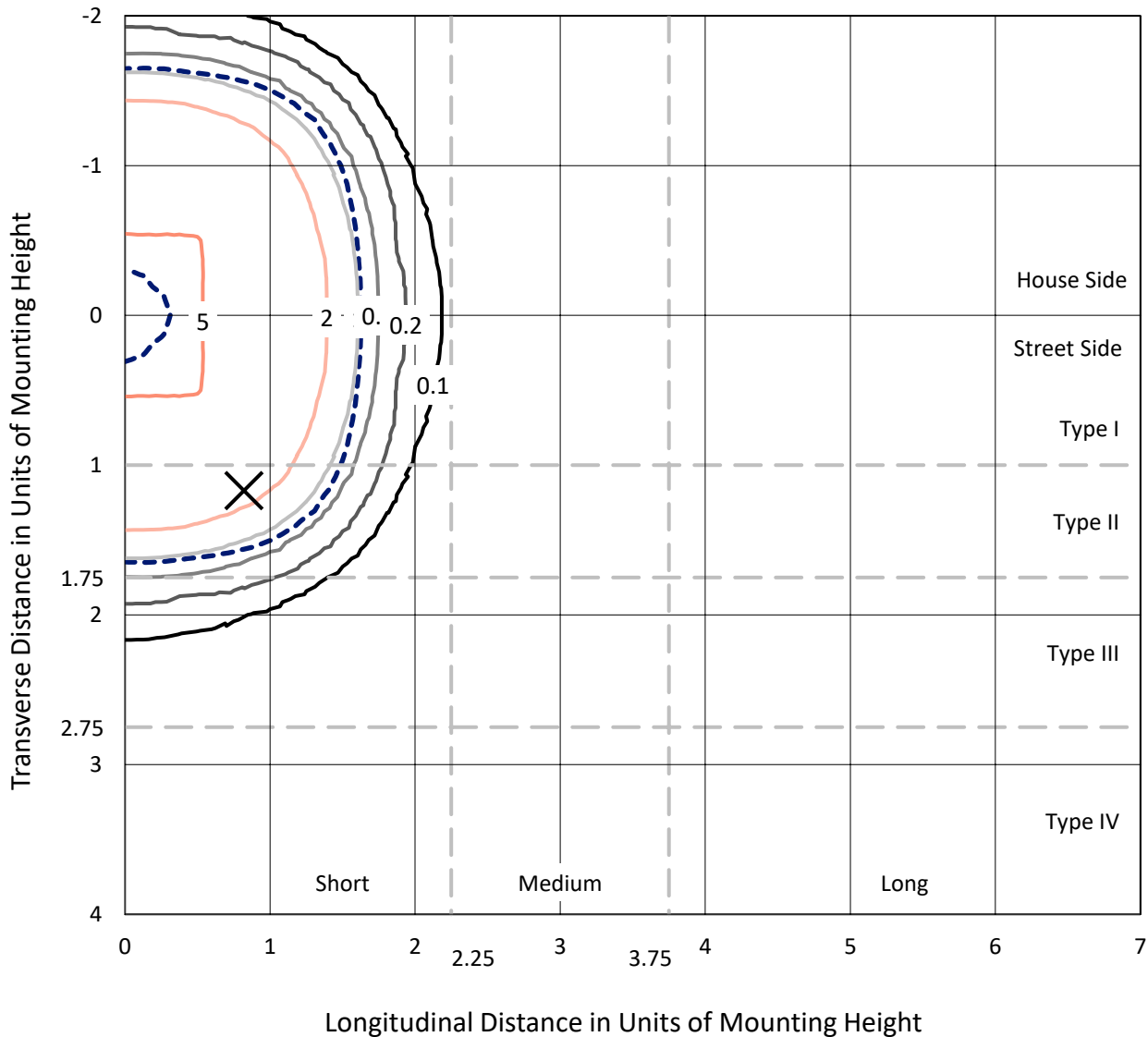
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

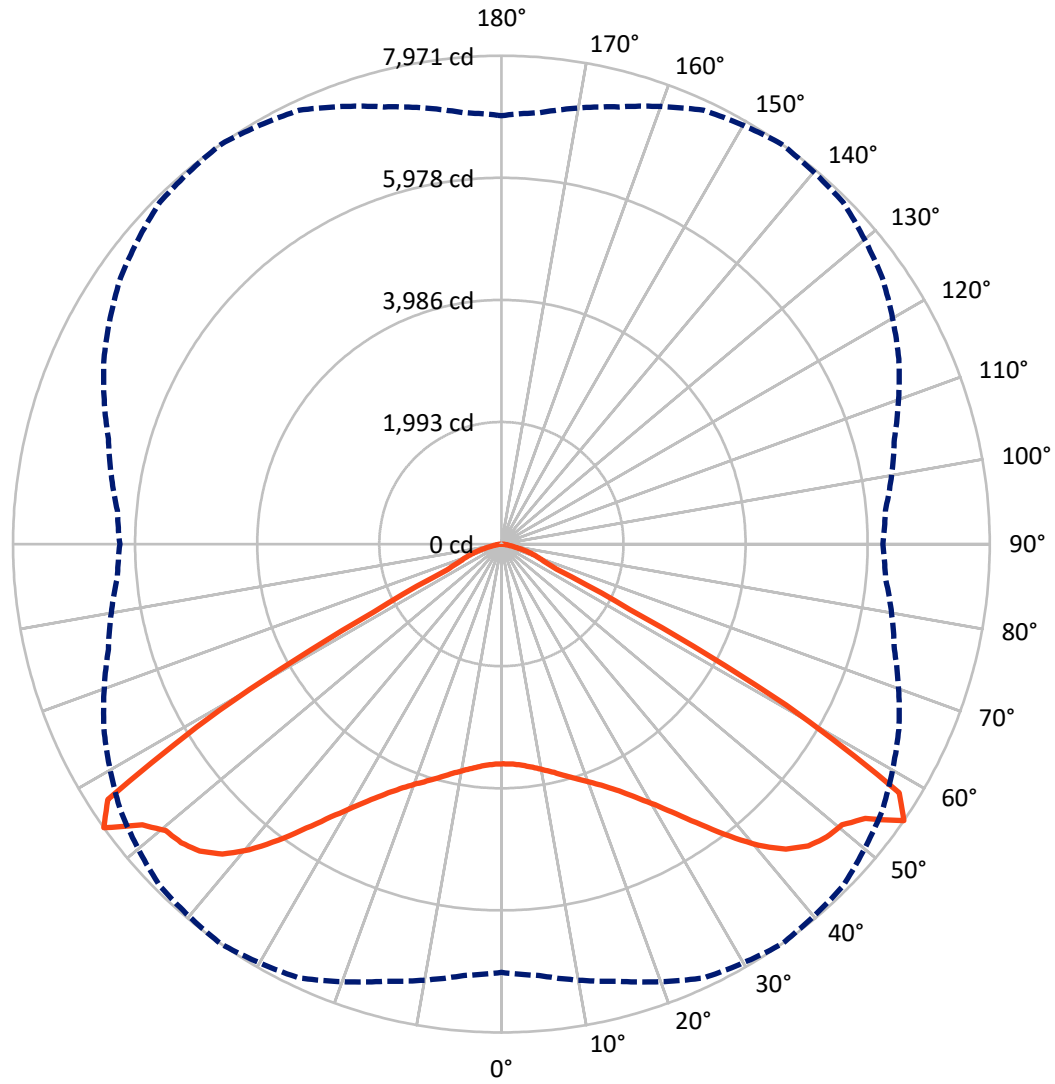
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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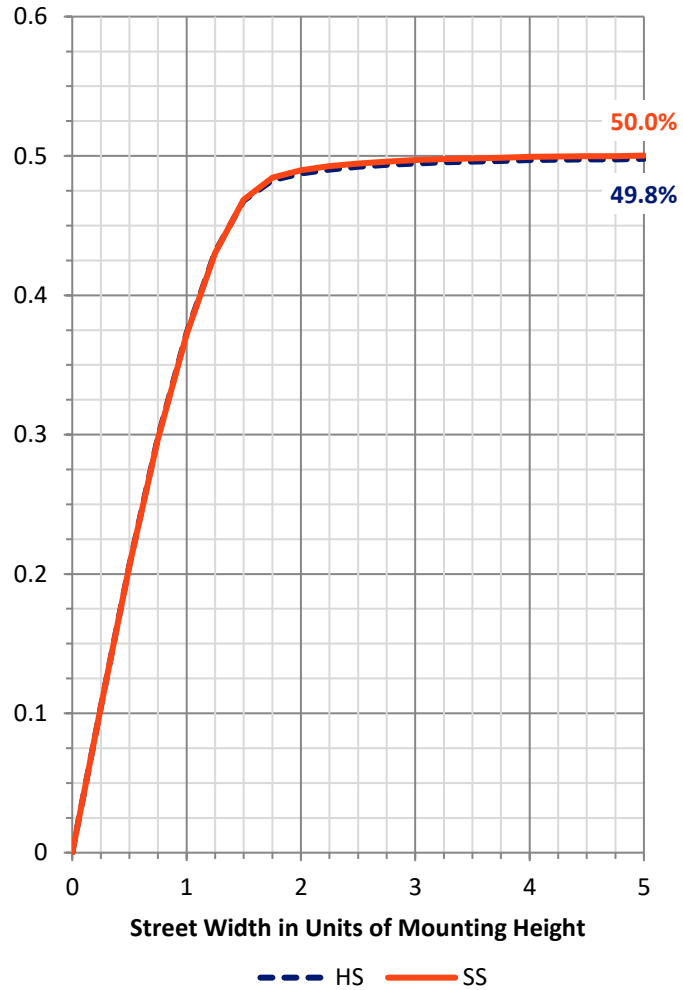
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9968.2	0.0	9968.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9968.2	0.0	9968.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	19936.5	0.0	19936.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.8	1.8
10°-20°	1113.8	5.6
20°-30°	2061.4	10.3
30°-40°	3448.3	17.3
40°-50°	5254.6	26.4
50°-60°	5886.3	29.5
60°-70°	1392.8	7.0
70°-80°	375.5	1.9
80°-90°	54.0	0.3
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°	19936.5	100.0
0°-180°	19936.5	100.0

Coefficient of Utilization



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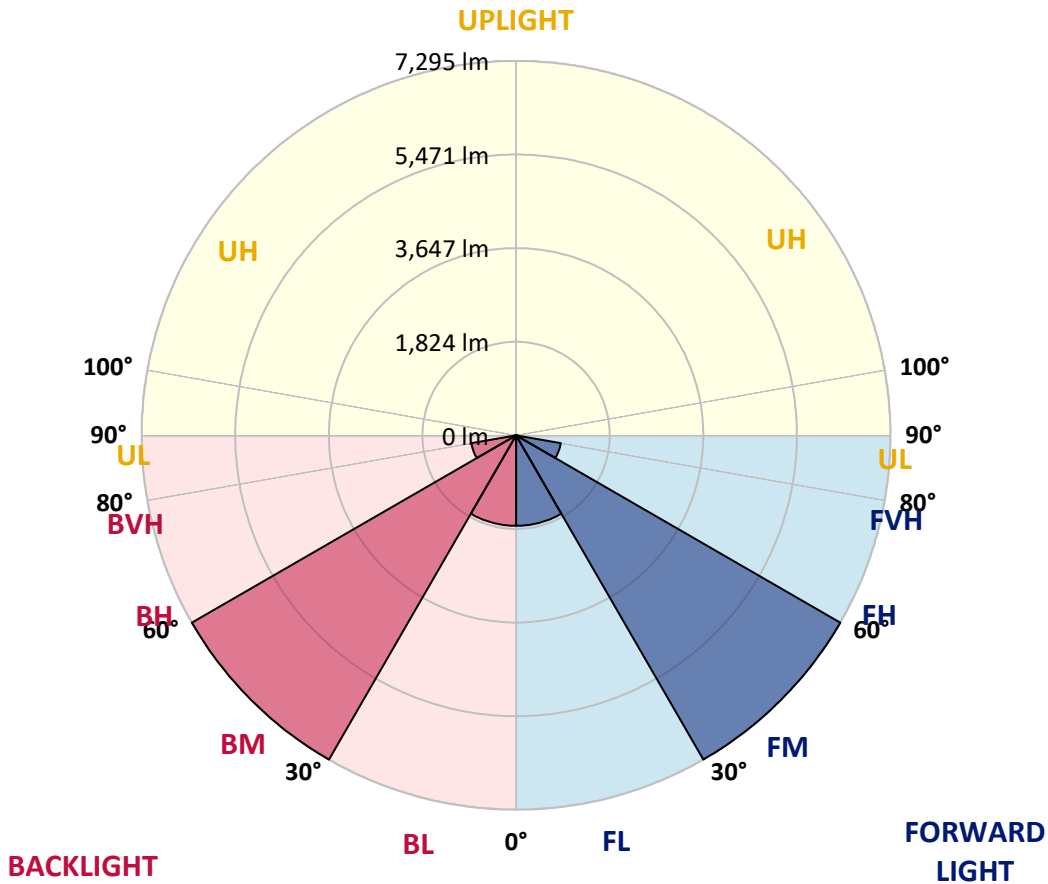
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1762.5	8.8			
FM (30°-60°)	7294.6	36.6			
FH (60°-80°)	884.1	4.4			G1/1800
FVH (80°-90°)	27.0	0.1			G1/100
BL (0°-30°)	1762.5	8.8	B3/2500		
BM (30°-60°)	7294.6	36.6	B4/8500		
BH (60°-80°)	884.1	4.4	B2/1000		G1/1800
BVH (80°-90°)	27.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3586.6	3586.6	3586.6	3586.6	3586.6	3586.6	3586.6	3586.6	3586.6	3586.6	3586.6
2.5°	3578.7	3578.7	3585.1	3592.9	3594.5	3610.3	3607.1	3600.8	3597.7	3591.4	3605.5
5°	3618.2	3619.7	3624.5	3629.2	3626.0	3638.7	3633.9	3626.0	3621.3	3613.4	3627.6
7.5°	3670.2	3670.2	3674.9	3681.2	3678.1	3697.0	3687.5	3676.5	3668.6	3659.2	3671.8
10°	3717.5	3720.6	3725.4	3738.0	3744.3	3764.8	3758.5	3742.7	3730.1	3719.1	3733.2
12.5°	3788.4	3791.6	3796.3	3813.7	3824.7	3845.2	3835.7	3813.7	3794.7	3779.0	3794.7
15°	3879.9	3876.7	3889.3	3911.4	3925.6	3944.5	3933.5	3895.6	3870.4	3849.9	3865.7
17.5°	3972.9	3971.3	3983.9	4012.3	4032.8	4058.0	4039.1	3995.0	3968.2	3942.9	3958.7
20°	4073.8	4078.5	4091.1	4117.9	4147.9	4181.0	4165.2	4117.9	4088.0	4059.6	4072.2
22.5°	4198.3	4199.9	4214.1	4248.8	4288.2	4319.7	4310.3	4251.9	4214.1	4184.1	4199.9
25°	4348.1	4346.5	4365.4	4406.4	4461.6	4493.1	4472.6	4408.0	4367.0	4332.3	4344.9
27.5°	4519.9	4518.4	4546.7	4600.3	4679.2	4723.3	4680.7	4600.3	4543.6	4494.7	4505.8
30°	4735.9	4731.2	4762.7	4835.3	4937.7	5011.8	4948.8	4836.8	4762.7	4710.7	4721.7
32.5°	4975.6	4981.9	5021.3	5119.0	5248.3	5344.5	5249.9	5125.3	5026.0	4950.3	4962.9
35°	5238.8	5238.8	5319.2	5440.6	5625.1	5752.8	5606.2	5426.5	5294.0	5190.0	5193.1
37.5°	5532.1	5535.2	5640.9	5808.0	6049.2	6199.0	6000.3	5778.0	5617.2	5505.3	5499.0
40°	5890.0	5899.4	6008.2	6194.2	6465.4	6602.6	6389.7	6172.2	6008.2	5875.8	5863.2
42.5°	6293.6	6296.7	6411.8	6578.9	6807.5	6889.5	6722.4	6544.2	6410.2	6290.4	6277.8
45°	6678.2	6670.3	6769.7	6894.2	7026.6	7034.5	6941.5	6869.0	6752.3	6649.8	6630.9
47.5°	6977.8	6971.5	7061.3	7129.1	7144.9	7067.6	7097.6	7108.6	6973.0	6834.3	6798.0
50°	7160.6	7173.3	7258.4	7296.2	7203.2	7077.1	7190.6	7162.2	6968.3	6787.0	6728.7
52.5°	7271.0	7289.9	7438.1	7534.3	7438.1	7318.3	7334.1	7167.0	6887.9	6648.3	6572.6
55°	6992.0	7067.6	7387.7	7813.3	7971.0	7887.4	7587.9	7157.5	6640.4	6292.0	6227.3
57.5°	5182.1	5301.9	5776.4	6698.7	7657.3	7961.5	7086.5	6000.3	5216.8	4769.0	4731.2
60°	2645.4	2779.4	3159.4	4106.9	5339.7	5768.6	4936.1	3842.0	3053.8	2691.2	2650.2
62.5°	1079.9	1102.0	1226.5	1592.3	2360.1	2722.7	2391.6	1679.0	1261.2	1161.9	1163.5
65°	849.8	854.5	848.2	870.3	988.5	1097.3	1013.7	890.7	868.7	879.7	871.8
67.5°	741.0	742.6	737.8	737.8	742.6	737.8	747.3	752.0	755.2	767.8	759.9
70°	619.6	621.2	621.2	624.3	622.7	614.9	629.0	635.3	636.9	644.8	640.1
72.5°	479.3	484.0	487.2	488.7	487.2	482.4	490.3	501.3	499.8	507.6	499.8
75°	324.8	331.1	334.2	340.5	339.0	339.0	348.4	353.1	348.4	354.7	348.4
77.5°	184.5	189.2	198.6	205.0	211.3	216.0	222.3	225.4	223.9	227.0	223.9
80°	107.2	108.8	116.7	119.8	127.7	135.6	141.9	145.0	146.6	148.2	146.6
82.5°	61.5	63.1	66.2	69.4	75.7	82.0	88.3	93.0	93.0	94.6	93.0
85°	30.0	30.0	31.5	33.1	36.3	41.0	45.7	50.4	52.0	52.0	52.0
87.5°	4.7	4.7	6.3	6.3	7.9	9.5	12.6	15.8	17.3	17.3	17.3
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)