

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: P636370

Luminaire Tested: GWS-SA3F-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20833.4 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 183.2
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

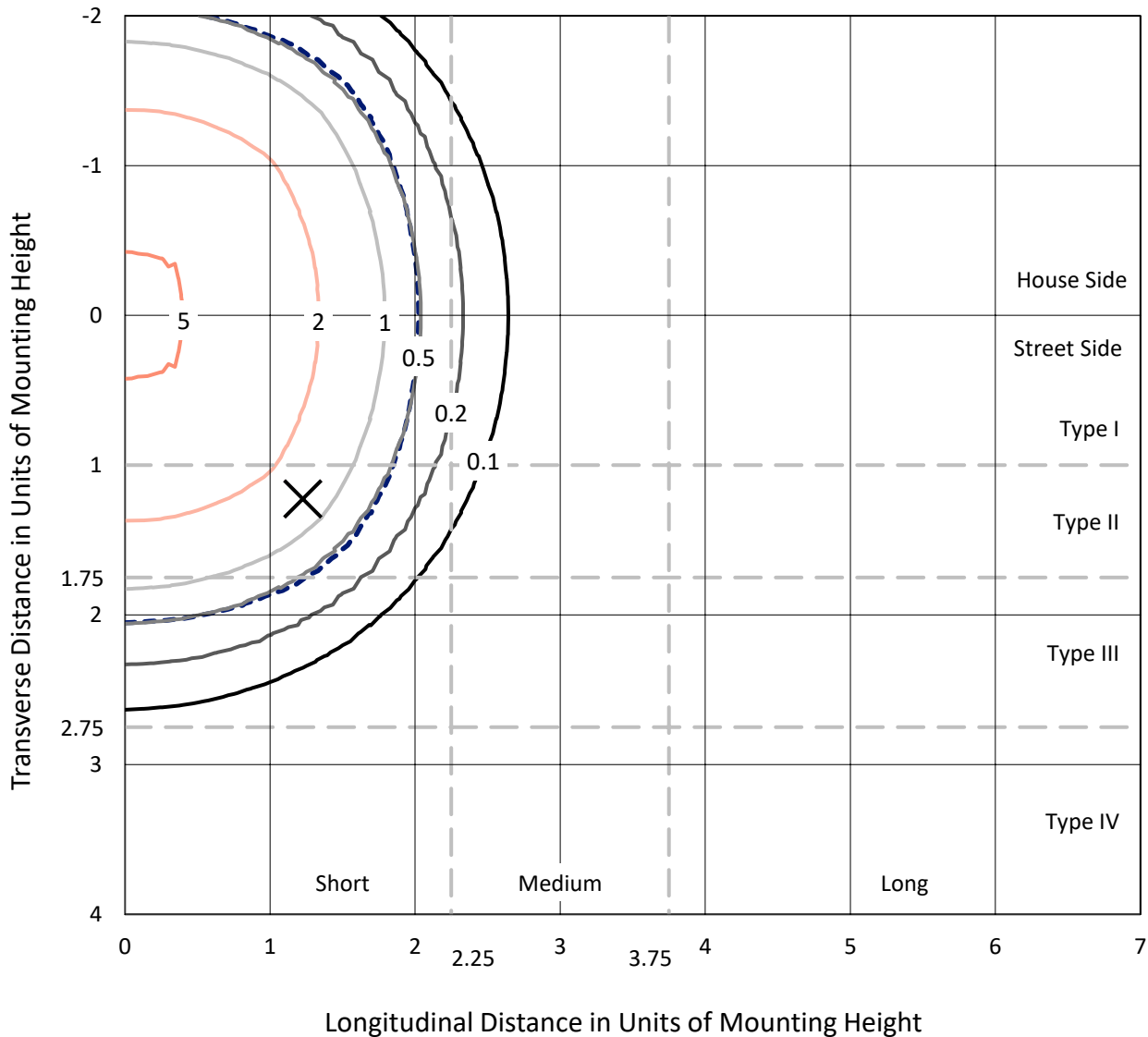


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Iso-Footcandle Lines of Horizontal Illumination

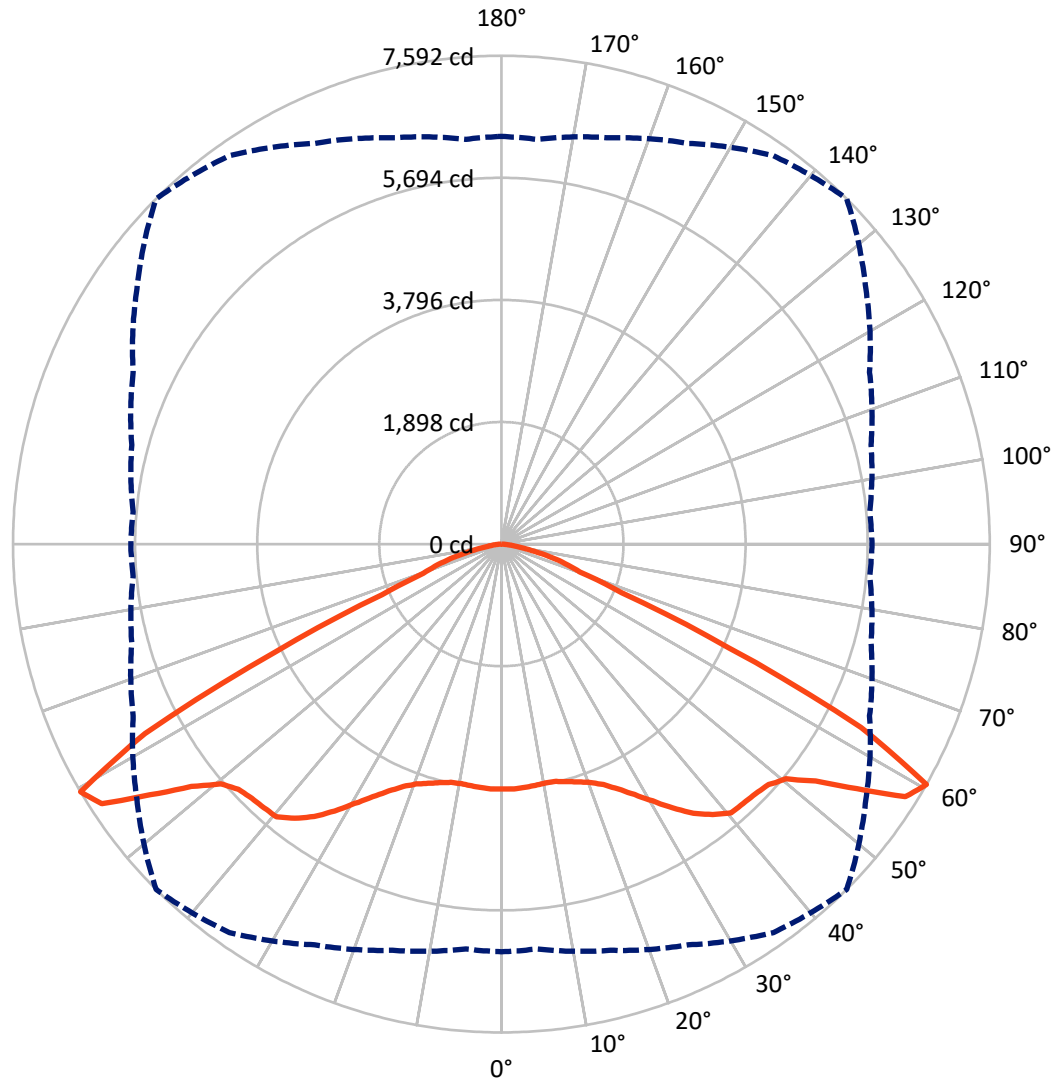
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10416.7	0.0	10416.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10416.7	0.0	10416.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20833.4	0.0	20833.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.1	1.7
10°-20°	1086.0	5.2
20°-30°	1921.4	9.2
30°-40°	3093.4	14.8
40°-50°	4251.9	20.4
50°-60°	5666.1	27.2
60°-70°	3531.3	17.0
70°-80°	812.0	3.9
80°-90°	110.2	0.5
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°	20833.4	100.0
0°-180°	20833.4	100.0

Coefficient of Utilization



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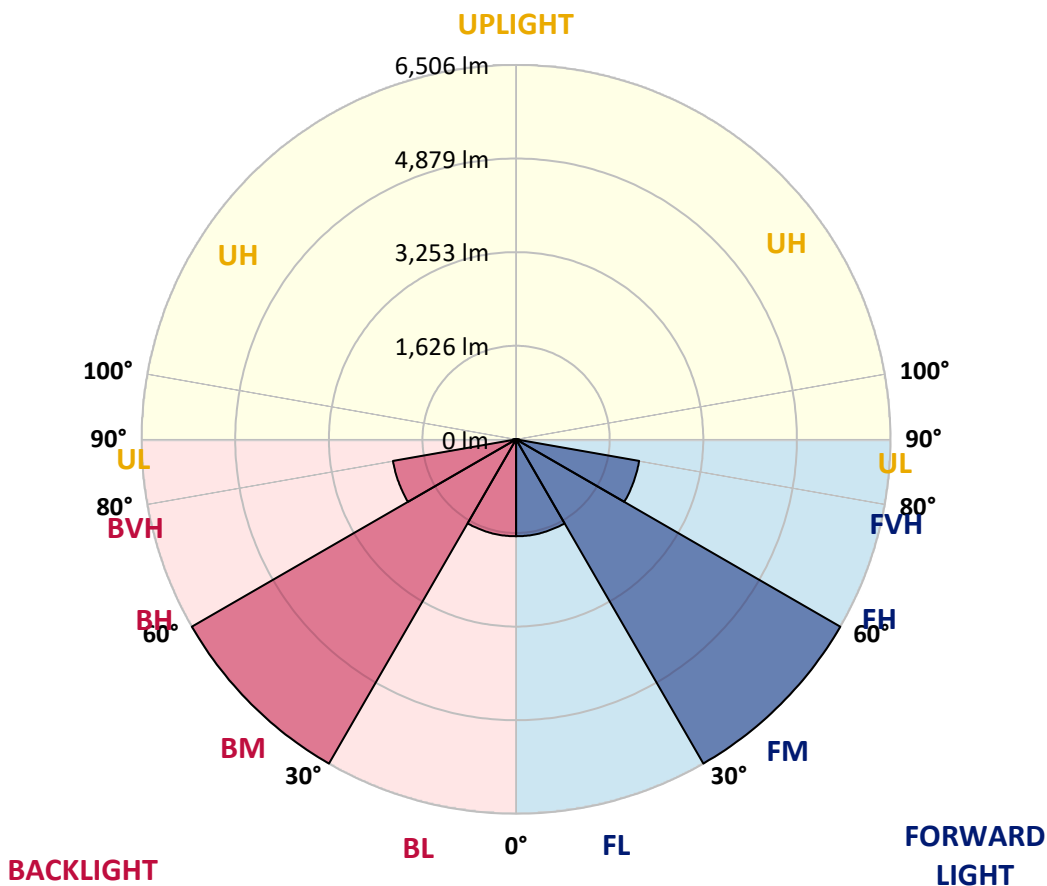
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1684.2	8.1			
FM (30°-60°)	6505.7	31.2			
FH (60°-80°)	2171.7	10.4			G2/5000
FVH (80°-90°)	55.1	0.3			G1/100
BL (0°-30°)	1684.2	8.1	B3/2500		
BM (30°-60°)	6505.7	31.2	B4/8500		
BH (60°-80°)	2171.7	10.4	B3/2500		G2/5000
BVH (80°-90°)	55.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3807.3	3807.3	3807.3	3807.3	3807.3	3807.3	3807.3	3807.3	3807.3	3807.3	3807.3
2.5°	3780.7	3784.3	3791.4	3796.7	3803.7	3810.8	3814.3	3807.3	3803.7	3789.6	3805.5
5°	3784.3	3787.8	3793.1	3793.1	3794.9	3800.2	3800.2	3791.4	3782.5	3766.6	3784.3
7.5°	3779.0	3782.5	3784.3	3782.5	3784.3	3786.1	3782.5	3771.9	3763.1	3748.9	3763.1
10°	3770.1	3773.7	3777.2	3773.7	3770.1	3775.4	3775.4	3768.4	3763.1	3748.9	3764.8
12.5°	3789.6	3794.9	3796.7	3787.8	3784.3	3786.1	3786.1	3779.0	3779.0	3766.6	3784.3
15°	3835.6	3839.1	3833.8	3823.2	3825.0	3830.3	3817.9	3800.2	3796.7	3791.4	3805.5
17.5°	3870.9	3874.5	3869.2	3862.1	3874.5	3886.9	3863.9	3830.3	3819.7	3816.1	3832.0
20°	3909.8	3915.1	3908.1	3916.9	3941.7	3955.8	3927.5	3881.5	3860.3	3855.0	3874.5
22.5°	3973.5	3980.6	3980.6	4000.0	4037.2	4060.1	4024.8	3962.9	3931.1	3922.2	3941.7
25°	4074.3	4079.6	4084.9	4123.8	4183.9	4215.8	4159.2	4074.3	4030.1	4015.9	4026.6
27.5°	4214.0	4222.8	4231.7	4288.3	4362.5	4408.5	4327.2	4221.1	4166.3	4138.0	4159.2
30°	4380.2	4392.6	4413.8	4477.5	4581.8	4633.1	4528.8	4399.7	4337.8	4307.7	4336.0
32.5°	4606.6	4608.3	4624.3	4695.0	4832.9	4891.3	4760.4	4617.2	4553.5	4518.2	4534.1
35°	4875.4	4877.1	4852.4	4924.9	5073.4	5138.8	4985.0	4840.0	4786.9	4776.3	4817.0
37.5°	5151.2	5135.3	5110.6	5142.4	5292.7	5335.1	5172.4	5048.7	5025.7	5045.1	5105.2
40°	5347.5	5321.0	5271.5	5294.5	5446.5	5496.1	5322.8	5206.0	5199.0	5246.7	5319.2
42.5°	5474.8	5446.5	5388.2	5388.2	5492.5	5513.7	5379.3	5317.5	5333.4	5388.2	5457.2
45°	5536.7	5520.8	5487.2	5469.5	5527.9	5536.7	5434.2	5409.4	5439.5	5466.0	5519.0
47.5°	5584.5	5584.5	5573.9	5556.2	5582.7	5588.0	5512.0	5504.9	5543.8	5543.8	5579.2
50°	5669.4	5678.2	5692.3	5688.8	5717.1	5734.8	5678.2	5667.6	5683.5	5632.2	5649.9
52.5°	5892.2	5915.2	5955.8	5987.7	6060.2	6115.0	6014.2	5929.3	5846.2	5733.0	5736.6
55°	6291.8	6302.4	6382.0	6475.7	6597.7	6709.1	6502.3	6238.8	6058.4	5925.8	5927.5
57.5°	6629.6	6645.5	6762.2	6958.5	7232.6	7405.9	6947.9	6507.6	6252.9	6090.2	6095.5
60°	6337.8	6316.6	6537.6	6873.6	7370.5	7591.6	6916.0	6314.8	5948.8	5747.2	5761.3
62.5°	4903.7	4863.0	5108.8	5460.7	6056.6	6277.7	5655.2	5078.7	4732.1	4574.7	4551.8
65°	2985.0	2947.9	3124.7	3340.4	3743.6	3883.3	3598.6	3292.7	2990.3	2894.8	2868.3
67.5°	1625.1	1619.8	1667.6	1773.7	1950.5	2015.9	1961.1	1816.1	1738.3	1671.1	1671.1
70°	1289.1	1278.5	1269.7	1271.4	1287.4	1296.2	1298.0	1290.9	1299.7	1301.5	1294.4
72.5°	1068.1	1064.6	1046.9	1048.6	1041.6	1038.0	1050.4	1057.5	1071.6	1073.4	1073.4
75°	774.5	765.7	774.5	776.3	769.2	769.2	778.1	776.3	783.4	786.9	767.5
77.5°	440.3	440.3	452.7	466.8	477.5	477.5	486.3	486.3	495.1	493.4	489.8
80°	242.3	242.3	249.3	258.2	268.8	279.4	288.2	290.0	295.3	293.5	288.2
82.5°	137.9	139.7	143.2	148.5	159.2	168.0	176.8	178.6	183.9	183.9	178.6
85°	65.4	63.7	65.4	69.0	74.3	81.3	90.2	95.5	99.0	99.0	95.5
87.5°	12.4	14.1	12.4	14.1	15.9	21.2	24.8	28.3	33.6	35.4	31.8
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)