

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: P640216

Luminaire Tested: GWS-SA5D-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21139.2 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

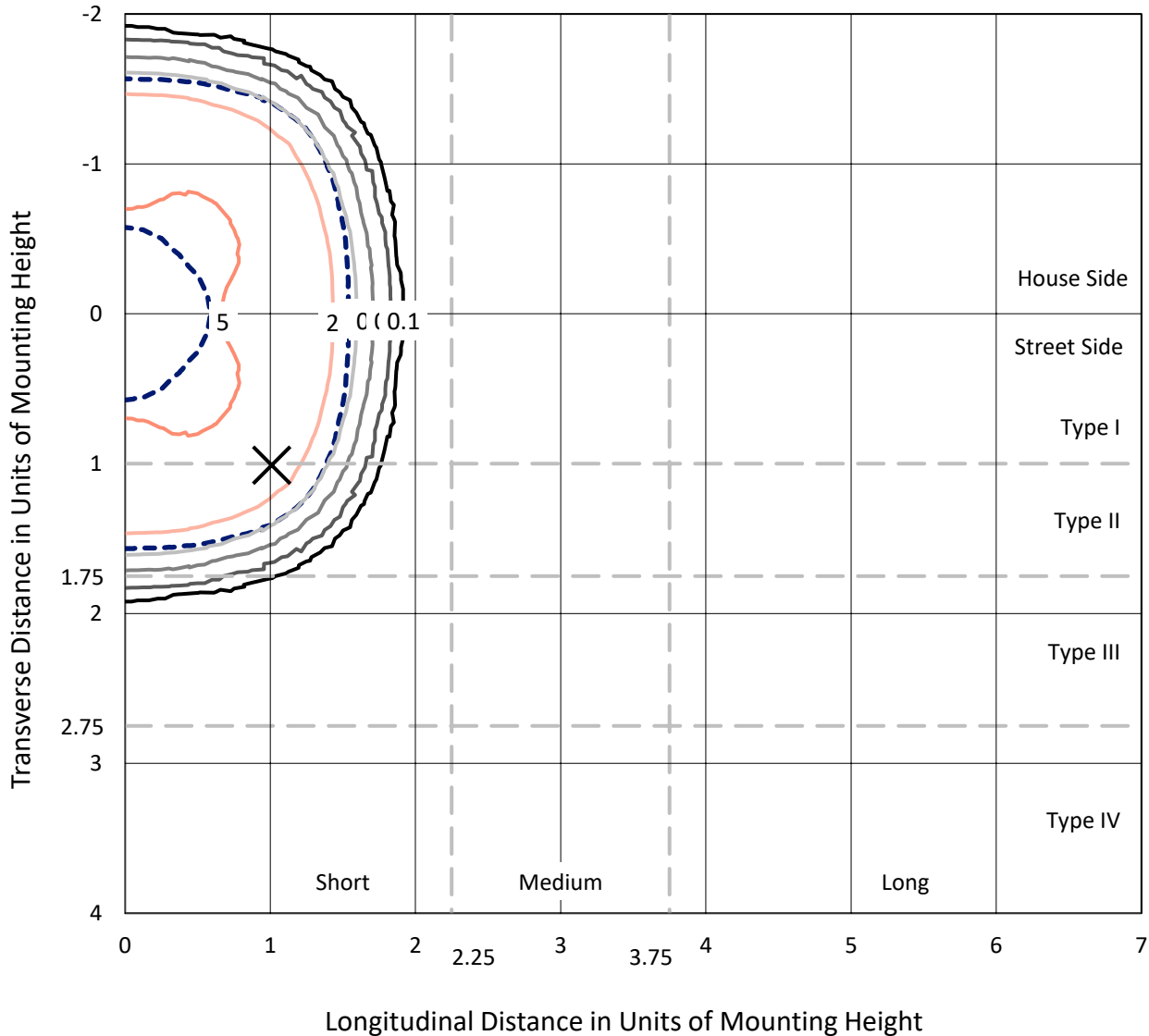
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

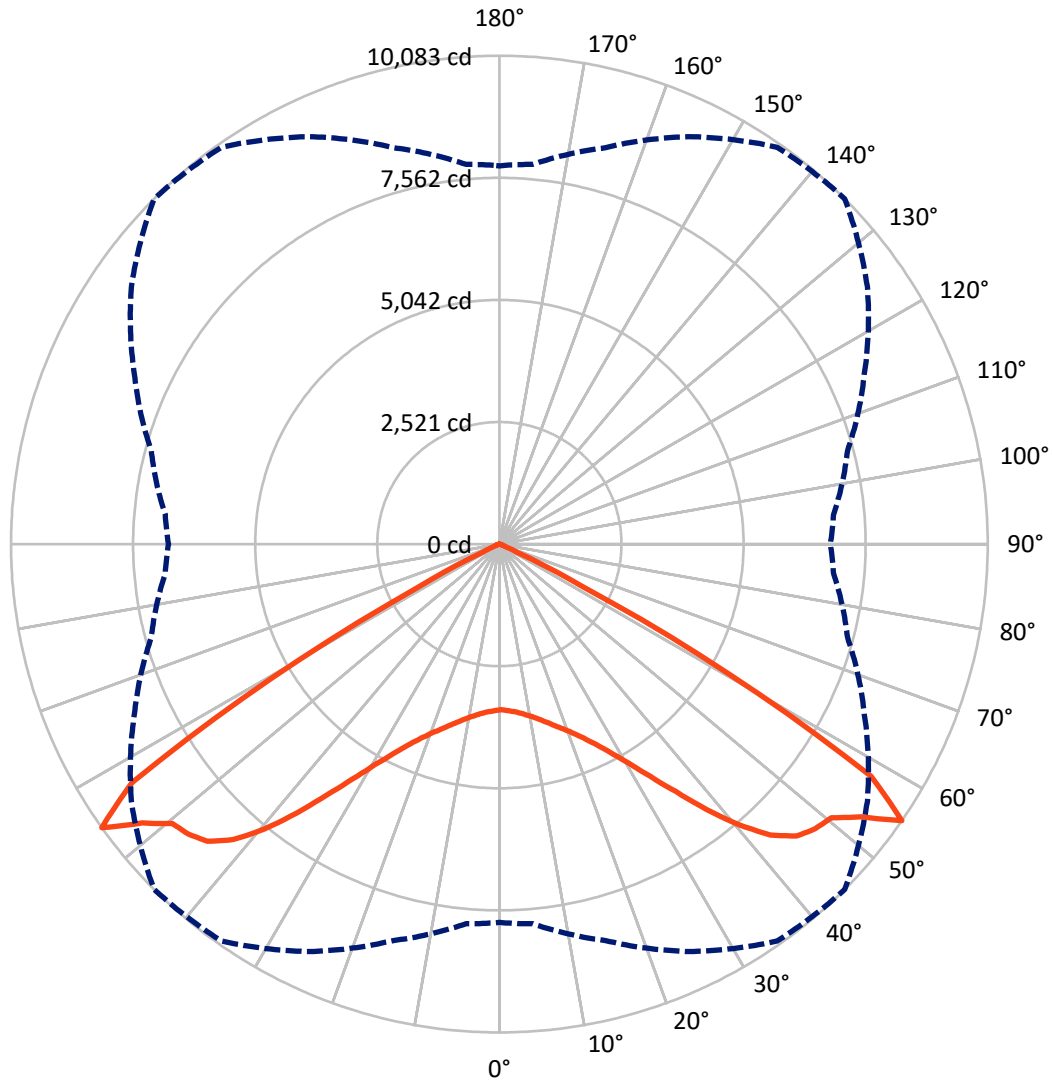
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10569.6	0.0	10569.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10569.6	0.0	10569.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	21139.2	0.0	21139.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.9	1.6
10°-20°	1085.5	5.1
20°-30°	2102.2	9.9
30°-40°	3766.2	17.8
40°-50°	6314.3	29.9
50°-60°	6759.2	32.0
60°-70°	742.7	3.5
70°-80°	32.7	0.2
80°-90°	1.5	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°	21139.2	100.0
0°-180°	21139.2	100.0

Coefficient of Utilization



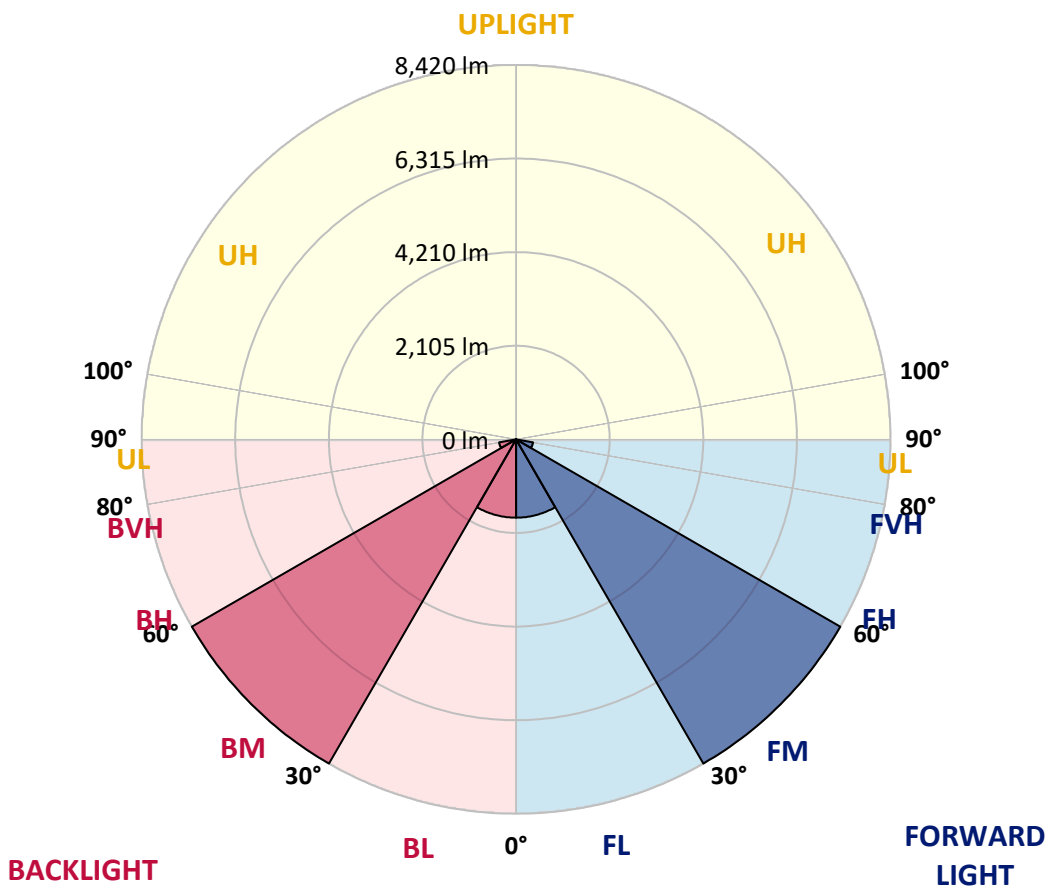
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1761.3	8.3			
FM (30°-60°)	8419.8	39.8			
FH (60°-80°)	387.7	1.8			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1761.3	8.3	B3/2500		
BM (30°-60°)	8419.8	39.8	B4/8500		
BH (60°-80°)	387.7	1.8	B1/500		G0/660
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8
2.5°	3411.3	3411.3	3420.0	3426.4	3426.4	3443.6	3437.2	3430.7	3430.7	3422.1	3439.3
5°	3460.9	3458.7	3467.3	3471.6	3463.0	3480.3	3469.5	3463.0	3458.7	3450.1	3467.3
7.5°	3514.7	3516.9	3519.0	3527.6	3523.3	3540.6	3531.9	3519.0	3514.7	3501.8	3519.0
10°	3579.3	3579.3	3583.6	3594.4	3596.6	3618.1	3609.5	3594.4	3581.5	3568.6	3585.8
12.5°	3661.2	3663.3	3669.8	3684.9	3693.5	3717.2	3704.2	3674.1	3654.7	3639.6	3659.0
15°	3779.6	3777.5	3786.1	3807.6	3818.4	3835.6	3816.2	3775.3	3751.6	3734.4	3747.3
17.5°	3908.8	3908.8	3913.1	3934.7	3949.7	3975.6	3951.9	3902.4	3880.8	3857.1	3870.1
20°	4051.0	4057.4	4061.7	4076.8	4102.7	4128.5	4109.1	4059.6	4035.9	4005.7	4020.8
22.5°	4238.3	4231.9	4234.0	4259.9	4296.5	4322.3	4307.2	4249.1	4208.2	4184.5	4193.1
25°	4447.2	4445.1	4451.5	4490.3	4531.2	4559.2	4537.7	4462.3	4421.4	4380.5	4397.7
27.5°	4703.5	4705.7	4710.0	4757.4	4822.0	4862.9	4809.0	4733.7	4677.7	4623.8	4636.8
30°	5007.2	5002.9	5015.8	5080.4	5175.2	5239.8	5177.3	5071.8	4992.1	4940.4	4946.9
32.5°	5330.2	5334.5	5369.0	5472.4	5597.3	5711.4	5584.3	5444.4	5341.0	5244.1	5257.0
35°	5679.1	5689.9	5767.4	5920.3	6124.9	6277.8	6101.2	5870.8	5724.3	5599.4	5603.7
37.5°	6090.4	6116.3	6224.0	6452.3	6745.2	6949.7	6691.3	6385.5	6196.0	6040.9	6030.1
40°	6631.0	6661.2	6807.6	7079.0	7434.3	7621.7	7322.3	7007.9	6773.1	6605.2	6579.3
42.5°	7251.3	7290.0	7449.4	7727.2	8082.6	8209.6	7916.7	7651.8	7440.8	7242.6	7234.0
45°	7951.2	7972.7	8101.9	8315.1	8571.4	8601.6	8381.9	8235.5	8022.2	7837.0	7822.0
47.5°	8608.0	8629.6	8717.9	8827.7	8888.0	8780.3	8741.6	8677.0	8401.3	8173.0	8125.6
50°	9107.7	9124.9	9234.7	9277.8	9109.8	8881.5	8956.9	8819.1	8519.7	8263.5	8190.2
52.5°	9073.2	9116.3	9398.4	9643.9	9538.4	9353.2	9150.7	8853.5	8388.4	8037.3	7946.9
55°	7811.2	7869.3	8474.5	9282.1	10003.6	10083.3	9273.5	8315.1	7440.8	6926.1	6833.4
57.5°	5020.1	5035.2	5773.9	6906.7	8532.7	9045.2	7690.6	6269.2	5181.6	4615.2	4576.5
60°	1845.7	1815.5	2373.3	3312.3	4914.6	5457.3	4526.9	3170.1	2261.3	1860.7	1828.4
62.5°	443.6	448.0	555.6	833.5	1542.0	1908.1	1507.5	842.1	536.3	450.1	445.8
65°	224.0	219.7	221.8	239.1	329.5	394.1	323.0	228.3	219.7	221.8	219.7
67.5°	144.3	142.1	146.4	148.6	146.4	137.8	135.7	140.0	140.0	142.1	137.8
70°	88.3	86.1	90.5	96.9	92.6	81.8	86.1	90.5	86.1	84.0	84.0
72.5°	47.4	47.4	51.7	56.0	51.7	47.4	47.4	49.5	47.4	47.4	47.4
75°	21.5	21.5	23.7	25.8	21.5	21.5	21.5	21.5	21.5	21.5	21.5
77.5°	6.5	6.5	8.6	8.6	6.5	6.5	6.5	6.5	8.6	8.6	8.6
80°	2.2	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
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)