

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: P635376

Luminaire Tested: GWS-SA3D-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635376
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-SA3D-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12493.7 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

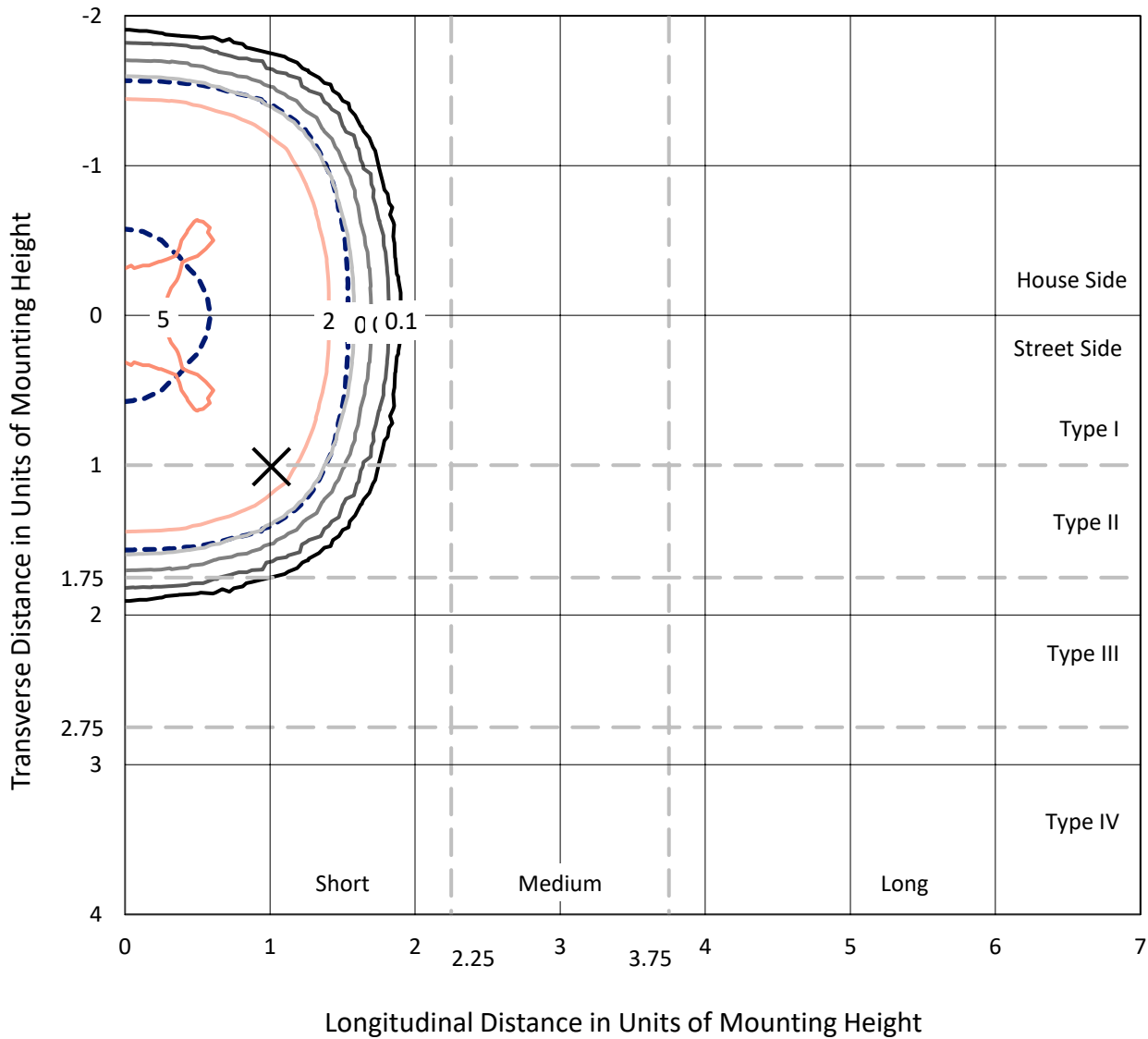
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

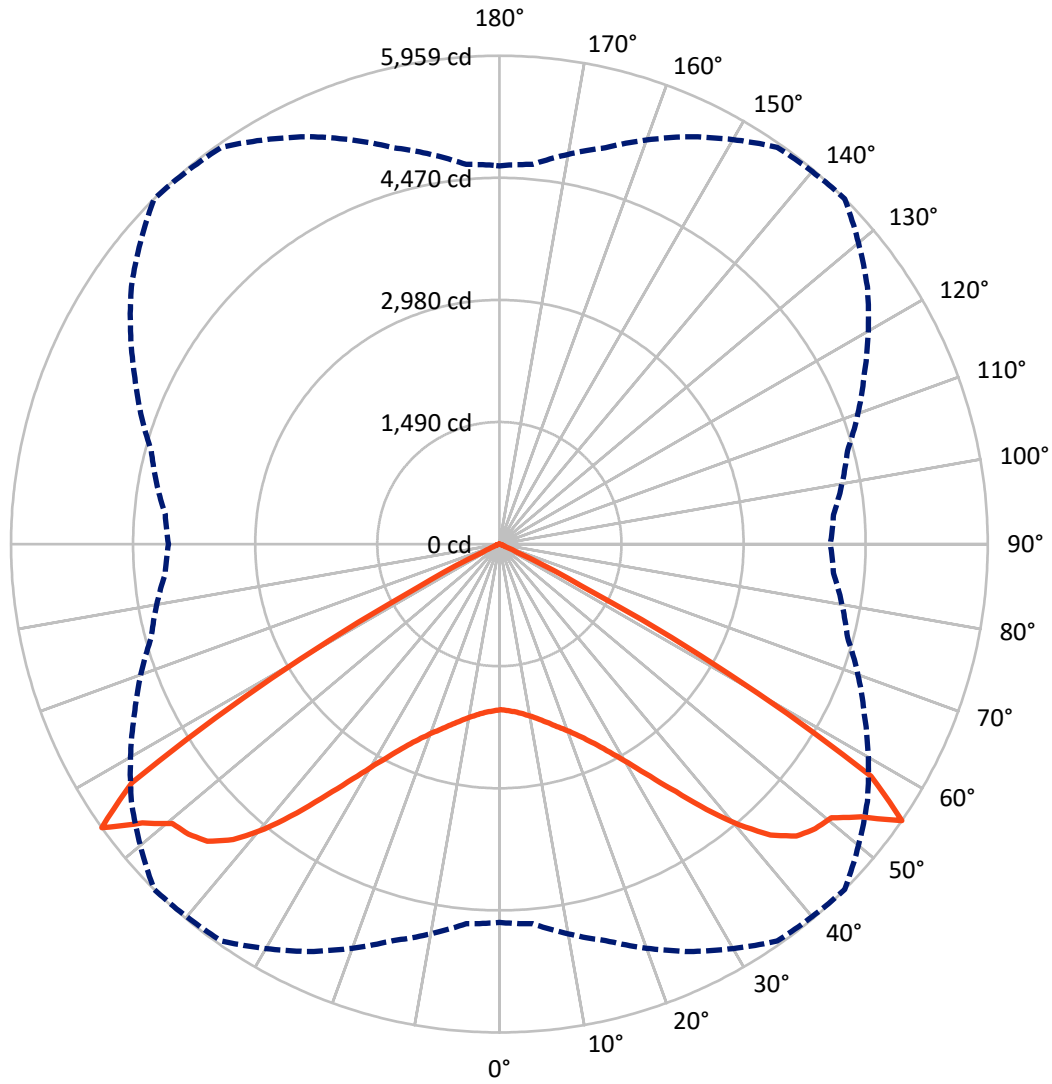
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 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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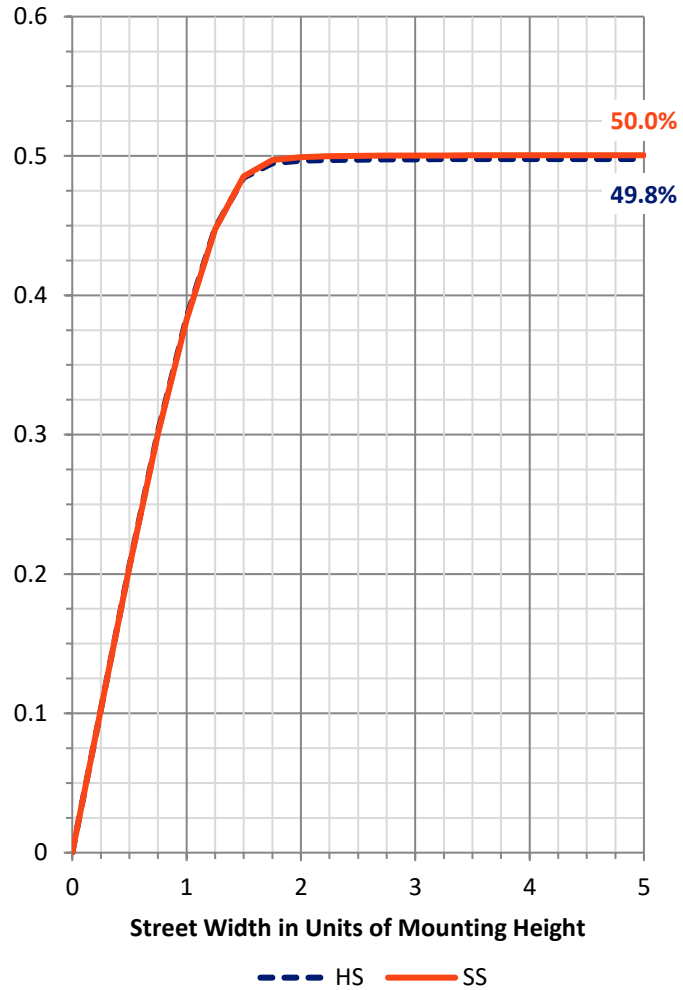
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6246.8	0.0	6246.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6246.8	0.0	6246.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12493.7	0.0	12493.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	1.6
10°-20°	641.5	5.1
20°-30°	1242.5	9.9
30°-40°	2225.9	17.8
40°-50°	3731.9	29.9
50°-60°	3994.8	32.0
60°-70°	439.0	3.5
70°-80°	19.3	0.2
80°-90°	0.9	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°	12493.7	100.0
0°-180°	12493.7	100.0

Coefficient of Utilization



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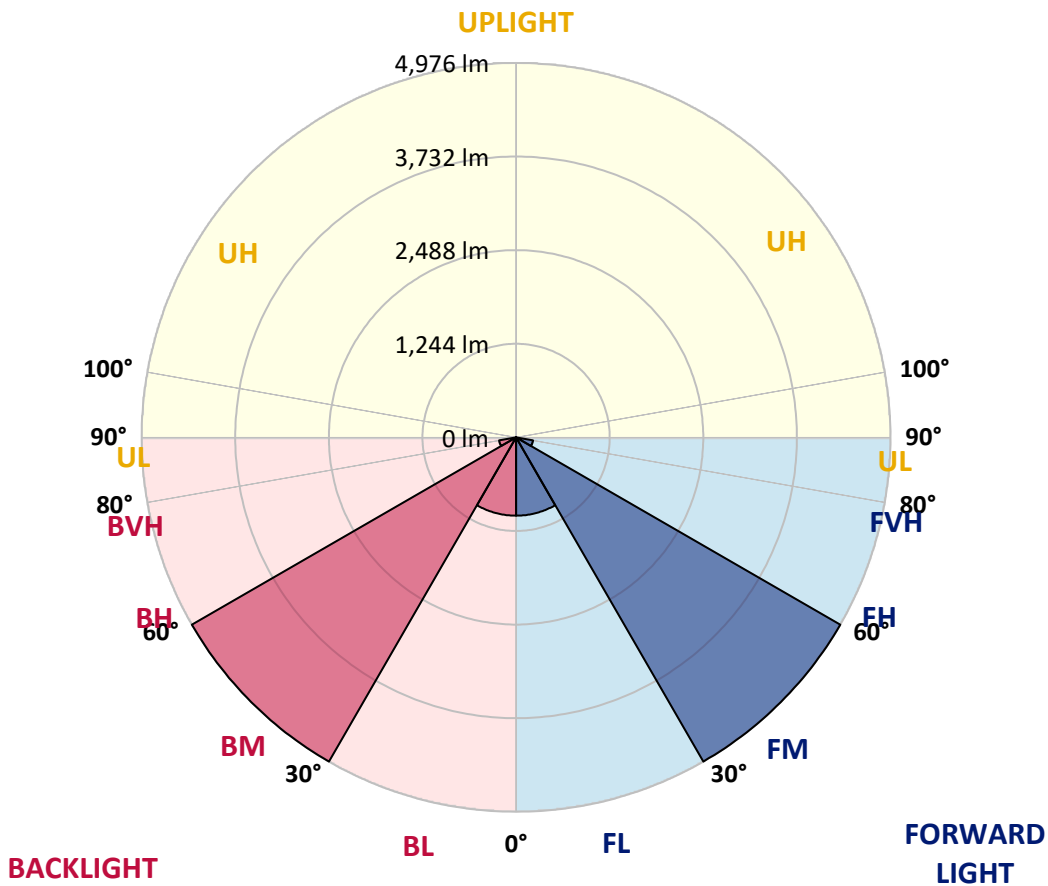
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.0	8.3			
FM (30°-60°)	4976.3	39.8			
FH (60°-80°)	229.1	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1041.0	8.3	B3/2500		
BM (30°-60°)	4976.3	39.8	B3/5000		
BH (60°-80°)	229.1	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2020.0	2020.0	2020.0	2020.0	2020.0	2020.0	2020.0	2020.0	2020.0	2020.0	2020.0
2.5°	2016.2	2016.2	2021.3	2025.1	2025.1	2035.3	2031.4	2027.6	2027.6	2022.5	2032.7
5°	2045.4	2044.2	2049.3	2051.8	2046.7	2056.9	2050.5	2046.7	2044.2	2039.1	2049.3
7.5°	2077.3	2078.5	2079.8	2084.9	2082.4	2092.5	2087.5	2079.8	2077.3	2069.6	2079.8
10°	2115.5	2115.5	2118.0	2124.4	2125.6	2138.4	2133.3	2124.4	2116.7	2109.1	2119.3
12.5°	2163.8	2165.1	2168.9	2177.8	2182.9	2196.9	2189.3	2171.5	2160.0	2151.1	2162.5
15°	2233.8	2232.6	2237.6	2250.4	2256.7	2266.9	2255.5	2231.3	2217.3	2207.1	2214.7
17.5°	2310.2	2310.2	2312.7	2325.5	2334.4	2349.7	2335.7	2306.4	2293.7	2279.6	2287.3
20°	2394.2	2398.0	2400.6	2409.5	2424.8	2440.0	2428.6	2399.3	2385.3	2367.5	2376.4
22.5°	2504.9	2501.1	2502.4	2517.7	2539.3	2554.6	2545.7	2511.3	2487.1	2473.1	2478.2
25°	2628.4	2627.1	2631.0	2653.9	2678.0	2694.6	2681.9	2637.3	2613.1	2588.9	2599.1
27.5°	2779.9	2781.1	2783.7	2811.7	2849.9	2874.1	2842.2	2797.7	2764.6	2732.8	2740.4
30°	2959.3	2956.8	2964.4	3002.6	3058.6	3096.8	3059.9	2997.5	2950.4	2919.9	2923.7
32.5°	3150.3	3152.8	3173.2	3234.3	3308.1	3375.6	3300.5	3217.7	3156.6	3099.4	3107.0
35°	3356.5	3362.8	3408.7	3499.0	3619.9	3710.3	3605.9	3469.8	3383.2	3309.4	3311.9
37.5°	3599.6	3614.9	3678.5	3813.4	3986.5	4107.4	3954.7	3774.0	3661.9	3570.3	3563.9
40°	3919.1	3936.9	4023.4	4183.8	4393.8	4504.6	4327.6	4141.8	4003.1	3903.8	3888.5
42.5°	4285.6	4308.5	4402.7	4566.9	4777.0	4852.1	4678.9	4522.4	4397.6	4280.5	4275.5
45°	4699.3	4712.0	4788.4	4914.4	5065.9	5083.7	4953.9	4867.3	4741.3	4631.8	4622.9
47.5°	5087.5	5100.3	5152.4	5217.4	5253.0	5189.4	5166.4	5128.3	4965.3	4830.4	4802.4
50°	5382.8	5393.0	5457.9	5483.4	5384.1	5249.2	5293.7	5212.3	5035.3	4883.9	4840.6
52.5°	5362.5	5387.9	5554.7	5699.8	5637.4	5527.9	5408.3	5232.6	4957.7	4750.2	4696.8
55°	4616.6	4650.9	5008.6	5485.9	5912.3	5959.4	5480.8	4914.4	4397.6	4093.4	4038.7
57.5°	2967.0	2975.9	3412.5	4082.0	5043.0	5345.9	4545.3	3705.2	3062.4	2727.7	2704.8
60°	1090.8	1073.0	1402.7	1957.6	2904.6	3225.4	2675.5	1873.6	1336.5	1099.7	1080.6
62.5°	262.2	264.7	328.4	492.6	911.4	1127.7	891.0	497.7	316.9	266.0	263.5
65°	132.4	129.8	131.1	141.3	194.7	232.9	190.9	134.9	129.8	131.1	129.8
67.5°	85.3	84.0	86.6	87.8	86.6	81.5	80.2	82.7	82.7	84.0	81.5
70°	52.2	50.9	53.5	57.3	54.7	48.4	50.9	53.5	50.9	49.6	49.6
72.5°	28.0	28.0	30.5	33.1	30.5	28.0	28.0	29.3	28.0	28.0	28.0
75°	12.7	12.7	14.0	15.3	12.7	12.7	12.7	12.7	12.7	12.7	12.7
77.5°	3.8	3.8	5.1	5.1	3.8	3.8	3.8	3.8	5.1	5.1	5.1
80°	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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)