

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: P636861

Luminaire Tested: GWS-SA4B-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636861
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-SA4B-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10275.9 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

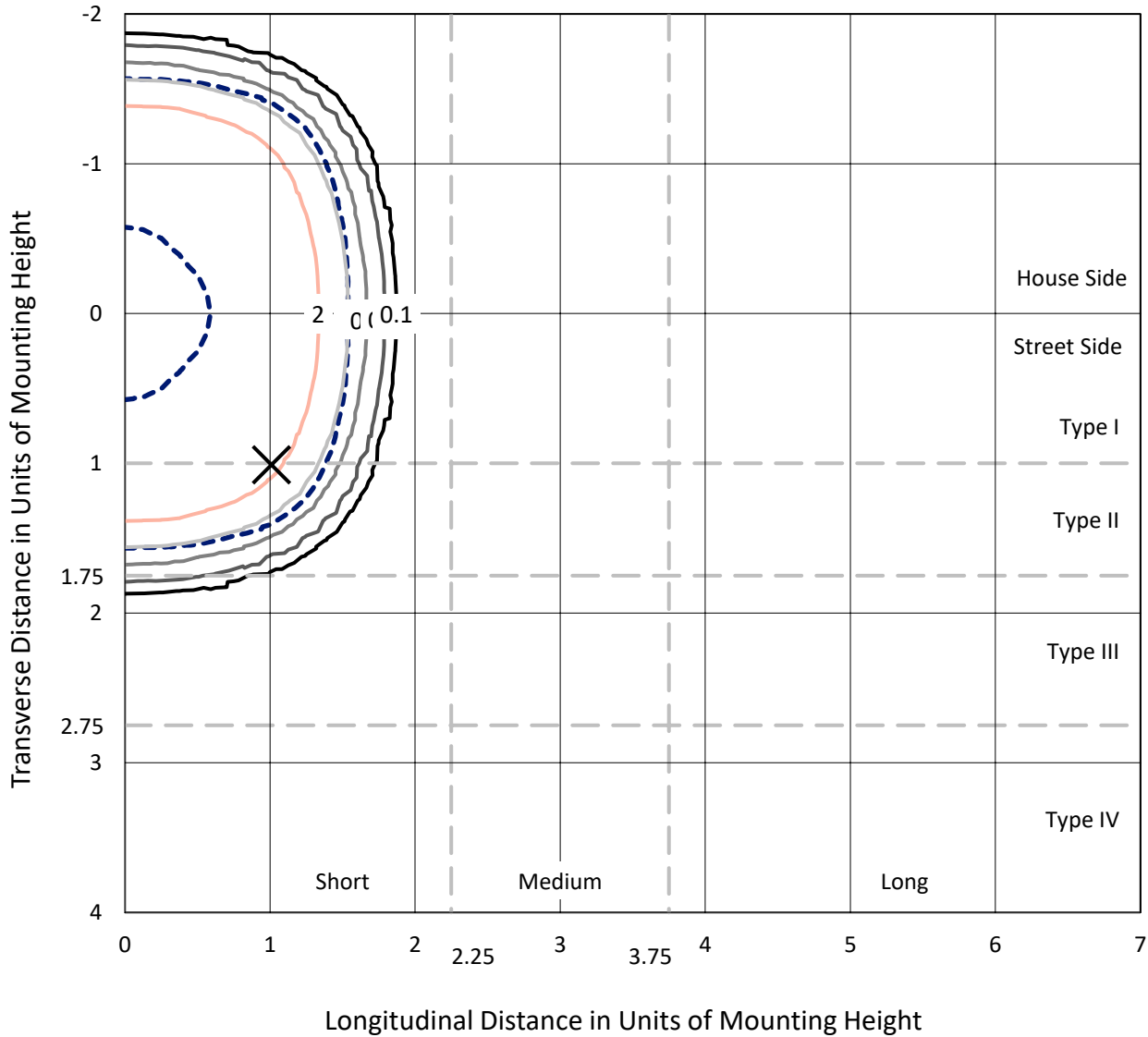
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

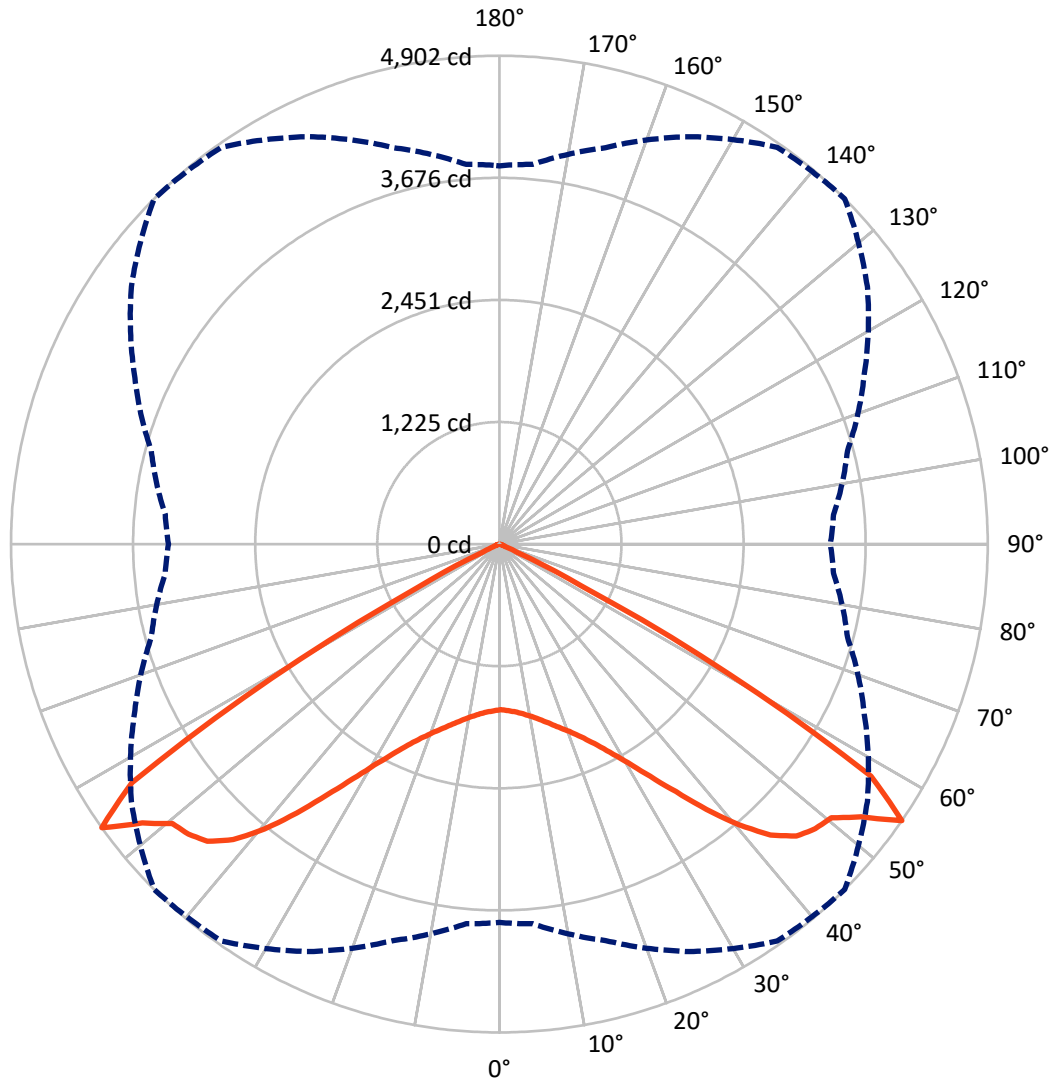
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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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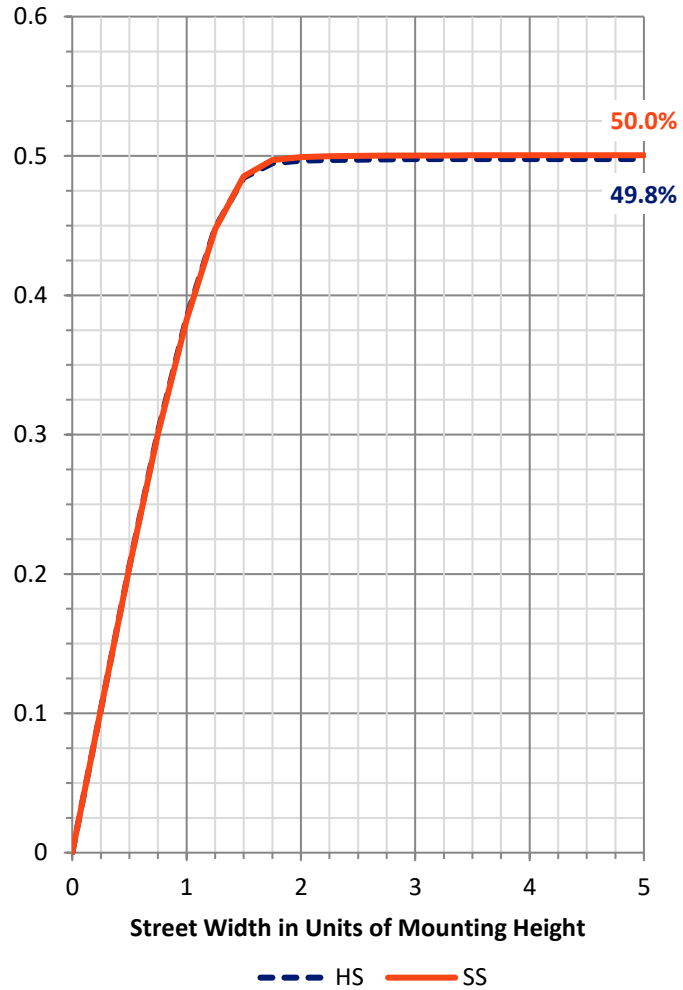
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5137.9	0.0	5137.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5137.9	0.0	5137.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10275.9	0.0	10275.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	1.6
10°-20°	527.7	5.1
20°-30°	1021.9	9.9
30°-40°	1830.8	17.8
40°-50°	3069.4	29.9
50°-60°	3285.7	32.0
60°-70°	361.1	3.5
70°-80°	15.9	0.2
80°-90°	0.7	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°	10275.9	100.0
0°-180°	10275.9	100.0

Coefficient of Utilization



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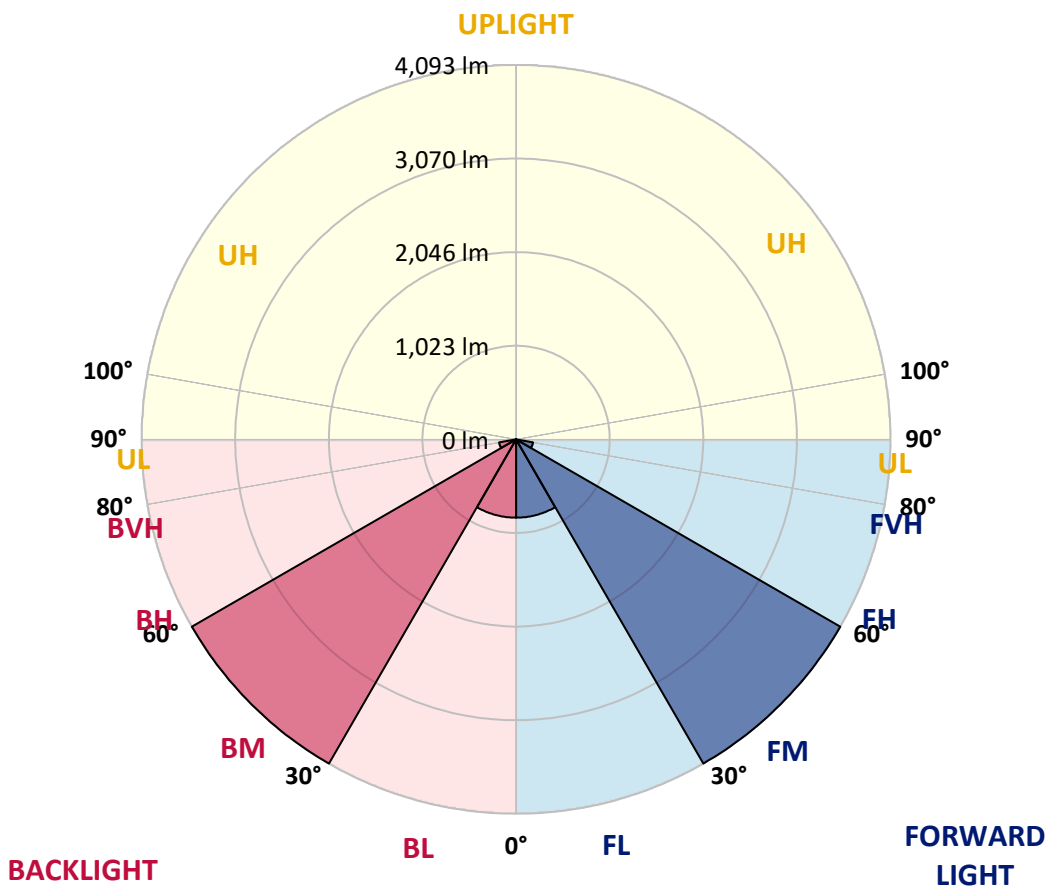
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	856.2	8.3			
FM (30°-60°)	4092.9	39.8			
FH (60°-80°)	188.5	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	856.2	8.3	B2/1000		
BM (30°-60°)	4092.9	39.8	B3/5000		
BH (60°-80°)	188.5	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	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°	1661.4	1661.4	1661.4	1661.4	1661.4	1661.4	1661.4	1661.4	1661.4	1661.4	1661.4
2.5°	1658.3	1658.3	1662.5	1665.6	1665.6	1674.0	1670.8	1667.7	1667.7	1663.5	1671.9
5°	1682.4	1681.3	1685.5	1687.6	1683.4	1691.8	1686.5	1683.4	1681.3	1677.1	1685.5
7.5°	1708.5	1709.6	1710.6	1714.8	1712.7	1721.1	1716.9	1710.6	1708.5	1702.2	1710.6
10°	1739.9	1739.9	1742.0	1747.3	1748.3	1758.8	1754.6	1747.3	1741.0	1734.7	1743.1
12.5°	1779.7	1780.8	1783.9	1791.2	1795.4	1806.9	1800.7	1786.0	1776.6	1769.2	1778.7
15°	1837.3	1836.2	1840.4	1850.9	1856.1	1864.5	1855.1	1835.2	1823.7	1815.3	1821.6
17.5°	1900.1	1900.1	1902.2	1912.7	1920.0	1932.6	1921.0	1897.0	1886.5	1875.0	1881.3
20°	1969.2	1972.3	1974.4	1981.8	1994.3	2006.9	1997.5	1973.4	1961.9	1947.2	1954.5
22.5°	2060.3	2057.1	2058.2	2070.7	2088.5	2101.1	2093.8	2065.5	2045.6	2034.1	2038.3
25°	2161.8	2160.8	2163.9	2182.8	2202.7	2216.3	2205.8	2169.2	2149.3	2129.4	2137.8
27.5°	2286.4	2287.5	2289.5	2312.6	2344.0	2363.9	2337.7	2301.1	2273.8	2247.7	2254.0
30°	2434.0	2431.9	2438.2	2469.6	2515.7	2547.1	2516.7	2465.4	2426.7	2401.6	2404.7
32.5°	2591.1	2593.1	2609.9	2660.1	2720.9	2776.4	2714.6	2646.5	2596.3	2549.2	2555.5
35°	2760.6	2765.9	2803.6	2877.9	2977.4	3051.7	2965.8	2853.8	2782.6	2721.9	2724.0
37.5°	2960.6	2973.2	3025.5	3136.5	3278.9	3378.3	3252.7	3104.0	3011.9	2936.5	2931.3
40°	3223.4	3238.0	3309.2	3441.1	3613.9	3704.9	3559.4	3406.6	3292.5	3210.8	3198.2
42.5°	3524.9	3543.7	3621.2	3756.2	3929.0	3990.7	3848.4	3719.6	3617.0	3520.7	3516.5
45°	3865.1	3875.6	3938.4	4042.0	4166.6	4181.3	4074.5	4003.3	3899.7	3809.6	3802.3
47.5°	4184.4	4194.9	4237.8	4291.2	4320.5	4268.2	4249.3	4217.9	4083.9	3972.9	3949.9
50°	4427.3	4435.7	4489.1	4510.0	4428.3	4317.4	4354.0	4287.0	4141.5	4016.9	3981.3
52.5°	4410.5	4431.5	4568.6	4688.0	4636.7	4546.6	4448.2	4303.8	4077.6	3907.0	3863.0
55°	3797.1	3825.3	4119.5	4512.1	4862.8	4901.5	4507.9	4042.0	3617.0	3366.8	3321.8
57.5°	2440.3	2447.6	2806.7	3357.4	4147.8	4396.9	3738.4	3047.5	2518.8	2243.5	2224.6
60°	897.2	882.5	1153.7	1610.1	2389.0	2652.8	2200.6	1541.0	1099.2	904.5	888.8
62.5°	215.7	217.8	270.1	405.1	749.6	927.5	732.8	409.3	260.7	218.8	216.7
65°	108.9	106.8	107.8	116.2	160.2	191.6	157.0	111.0	106.8	107.8	106.8
67.5°	70.1	69.1	71.2	72.2	71.2	67.0	66.0	68.0	68.0	69.1	67.0
70°	42.9	41.9	44.0	47.1	45.0	39.8	41.9	44.0	41.9	40.8	40.8
72.5°	23.0	23.0	25.1	27.2	25.1	23.0	23.0	24.1	23.0	23.0	23.0
75°	10.5	10.5	11.5	12.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5
77.5°	3.1	3.1	4.2	4.2	3.1	3.1	3.1	3.1	4.2	4.2	4.2
80°	1.0	2.1	2.1	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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)