

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: P635764

Luminaire Tested: GWS-SA3E-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11573.2 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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

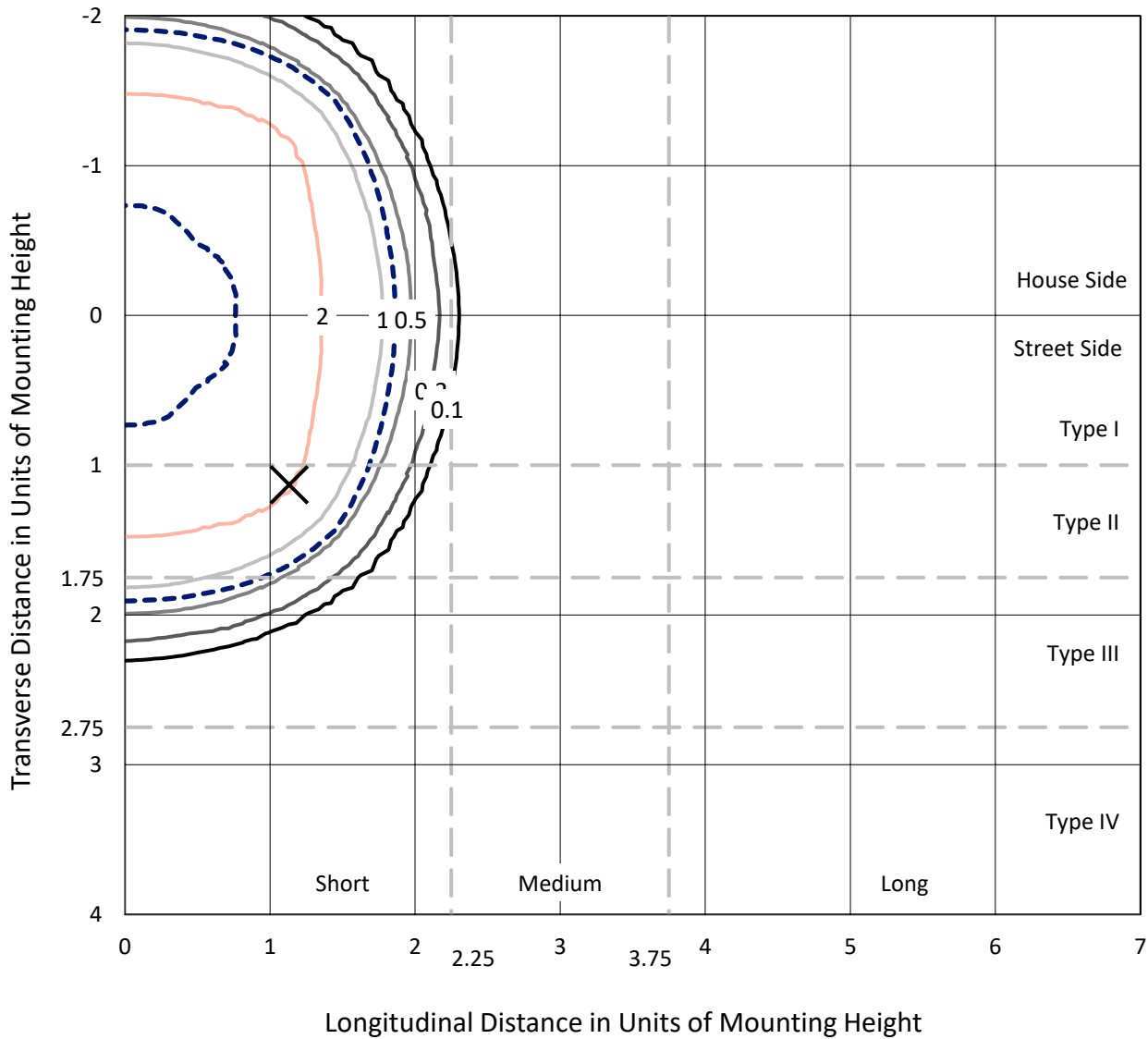


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Iso-Footcandle Lines of Horizontal Illumination

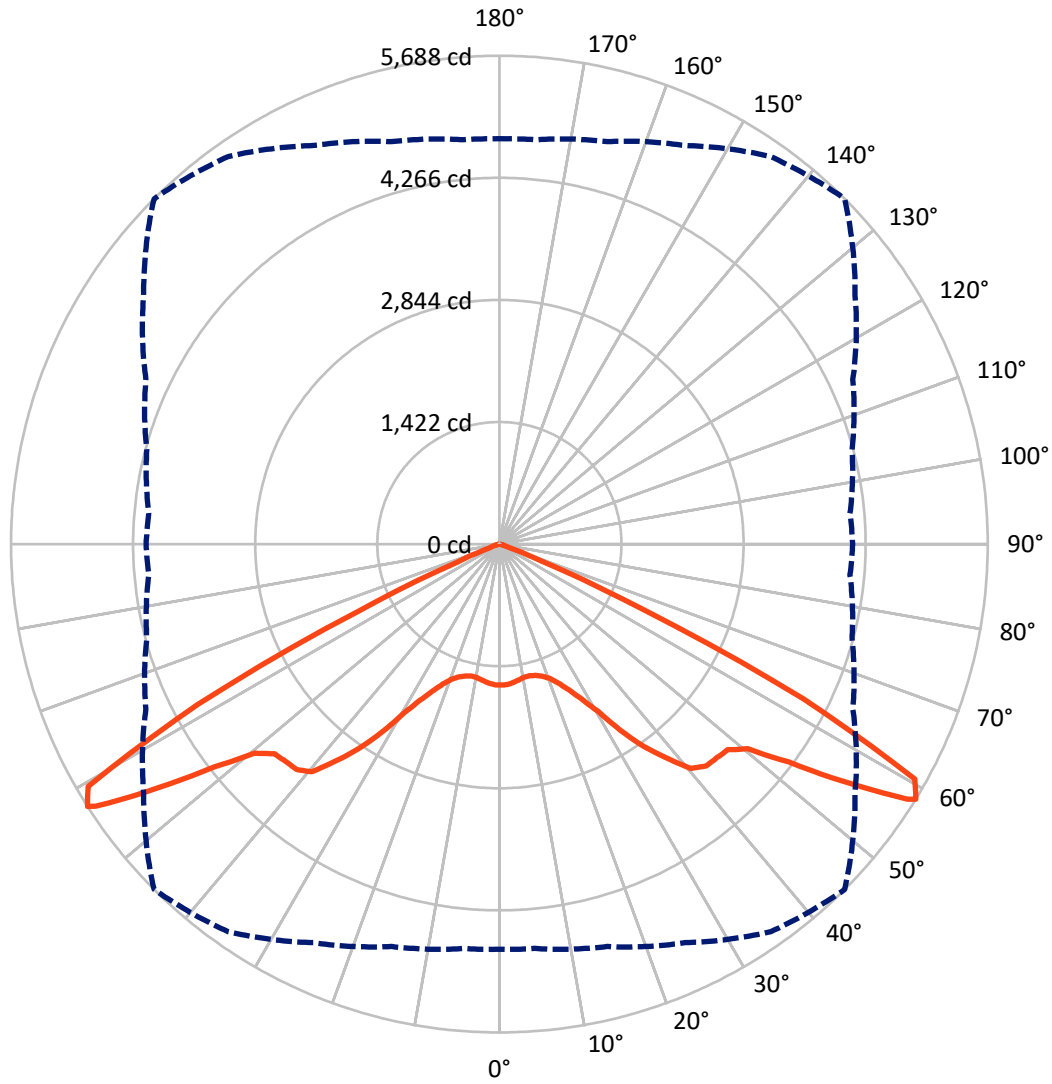
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5786.6	0.0	5786.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5786.6	0.0	5786.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11573.2	0.0	11573.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	1.3
10°-20°	453.1	3.9
20°-30°	856.9	7.4
30°-40°	1690.1	14.6
40°-50°	2674.5	23.1
50°-60°	3931.4	34.0
60°-70°	1754.8	15.2
70°-80°	58.8	0.5
80°-90°	0.5	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°	11573.2	100.0
0°-180°	11573.2	100.0

Coefficient of Utilization



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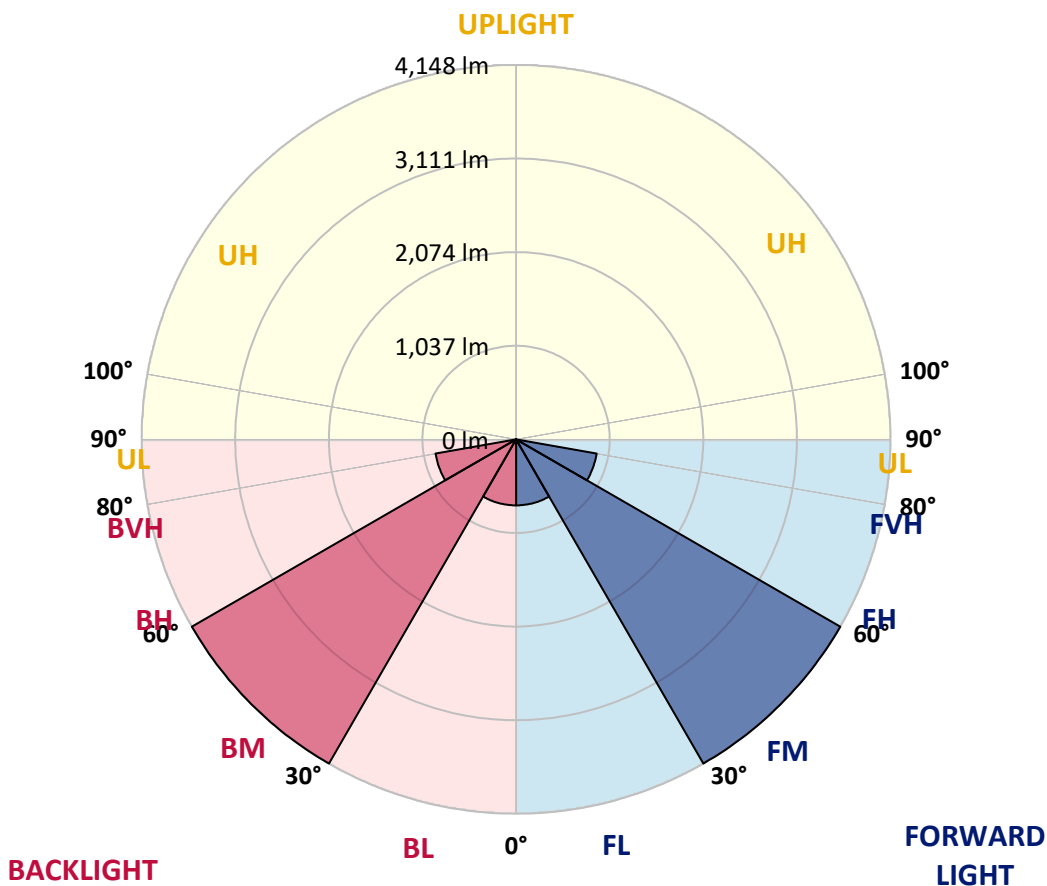
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.6	6.3			
FM (30°-60°)	4148.0	35.8			
FH (60°-80°)	906.8	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	731.6	6.3	B2/1000		
BM (30°-60°)	4148.0	35.8	B3/5000		
BH (60°-80°)	906.8	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1641.2	1641.2	1641.2	1641.2	1641.2	1641.2	1641.2	1641.2	1641.2	1641.2	1641.2
2.5°	1625.5	1628.6	1631.8	1633.4	1634.9	1639.7	1641.2	1636.5	1636.5	1627.0	1638.1
5°	1617.6	1620.7	1623.9	1622.3	1622.3	1622.3	1620.7	1614.4	1612.9	1603.4	1614.4
7.5°	1603.4	1606.5	1606.5	1601.8	1598.7	1598.7	1597.1	1589.2	1587.6	1578.2	1589.2
10°	1592.4	1593.9	1592.4	1582.9	1576.6	1576.6	1575.0	1571.9	1573.4	1567.1	1576.6
12.5°	1598.7	1600.2	1593.9	1581.3	1573.4	1571.9	1567.1	1562.4	1567.1	1565.6	1575.0
15°	1619.2	1620.7	1609.7	1593.9	1587.6	1587.6	1575.0	1562.4	1568.7	1570.3	1581.3
17.5°	1644.4	1644.4	1630.2	1616.0	1617.6	1617.6	1597.1	1575.0	1576.6	1582.9	1593.9
20°	1674.3	1674.3	1660.2	1657.0	1668.0	1669.6	1644.4	1609.7	1601.8	1606.5	1619.2
22.5°	1727.9	1727.9	1716.9	1724.8	1750.0	1757.9	1720.1	1671.2	1652.3	1655.4	1668.0
25°	1811.5	1811.5	1808.4	1827.3	1863.5	1880.9	1830.4	1765.8	1734.3	1729.5	1743.7
27.5°	1951.8	1953.4	1948.7	1977.0	2022.8	2043.3	1973.9	1888.8	1850.9	1843.0	1857.2
30°	2133.1	2133.1	2134.7	2174.1	2234.0	2260.8	2169.4	2070.1	2025.9	2000.7	2019.6
32.5°	2334.9	2338.1	2353.9	2420.1	2525.7	2580.9	2446.9	2308.1	2237.2	2210.4	2230.9
35°	2667.6	2637.6	2618.7	2667.6	2820.5	2893.0	2721.2	2558.8	2505.2	2502.1	2554.1
37.5°	2997.1	2979.8	2940.3	2990.8	3128.0	3161.1	2971.9	2836.3	2798.5	2818.9	2871.0
40°	3258.8	3227.3	3175.3	3222.6	3402.3	3435.4	3202.1	3068.1	3053.9	3099.6	3170.5
42.5°	3465.4	3421.2	3351.8	3362.9	3507.9	3531.6	3325.0	3224.1	3233.6	3290.4	3370.8
45°	3558.4	3523.7	3462.2	3457.5	3548.9	3550.5	3388.1	3336.1	3361.3	3405.4	3468.5
47.5°	3597.8	3582.0	3547.3	3539.5	3591.5	3578.9	3478.0	3455.9	3479.5	3492.2	3528.4
50°	3695.5	3695.5	3700.3	3706.6	3760.2	3747.6	3676.6	3651.4	3621.4	3577.3	3588.3
52.5°	3969.9	3980.9	4026.6	4077.1	4174.8	4215.8	4100.7	3954.1	3810.6	3714.5	3714.5
55°	4464.9	4475.9	4529.6	4614.7	4794.4	4892.2	4624.1	4300.9	4103.9	3973.0	3990.4
57.5°	4737.7	4750.3	4860.6	5090.8	5439.2	5604.8	5029.3	4550.0	4274.1	4124.4	4137.0
58°	4720.3	4728.2	4852.8	5122.4	5510.2	5688.3	5057.7	4542.2	4252.1	4099.1	4114.9
60°	4193.7	4182.7	4381.4	4766.0	5313.1	5559.1	4775.5	4146.4	3809.1	3653.0	3660.9
62.5°	2741.7	2748.0	2919.9	3321.9	3747.6	3979.3	3336.1	2867.8	2596.6	2502.1	2478.4
65°	1144.6	1124.1	1229.7	1453.6	1709.0	1838.3	1579.7	1337.0	1169.8	1106.8	1124.1
67.5°	294.8	286.9	293.2	367.3	449.3	531.3	446.2	340.5	296.4	299.6	299.6
70°	167.1	157.7	127.7	118.2	115.1	115.1	115.1	115.1	132.4	156.1	160.8
72.5°	126.1	118.2	93.0	80.4	70.9	66.2	69.4	80.4	96.2	116.7	119.8
75°	63.1	63.1	56.8	53.6	47.3	44.1	45.7	50.5	58.3	66.2	64.6
77.5°	12.6	14.2	15.8	18.9	15.8	15.8	15.8	18.9	18.9	20.5	18.9
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)