

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: P635766

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
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
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22295 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

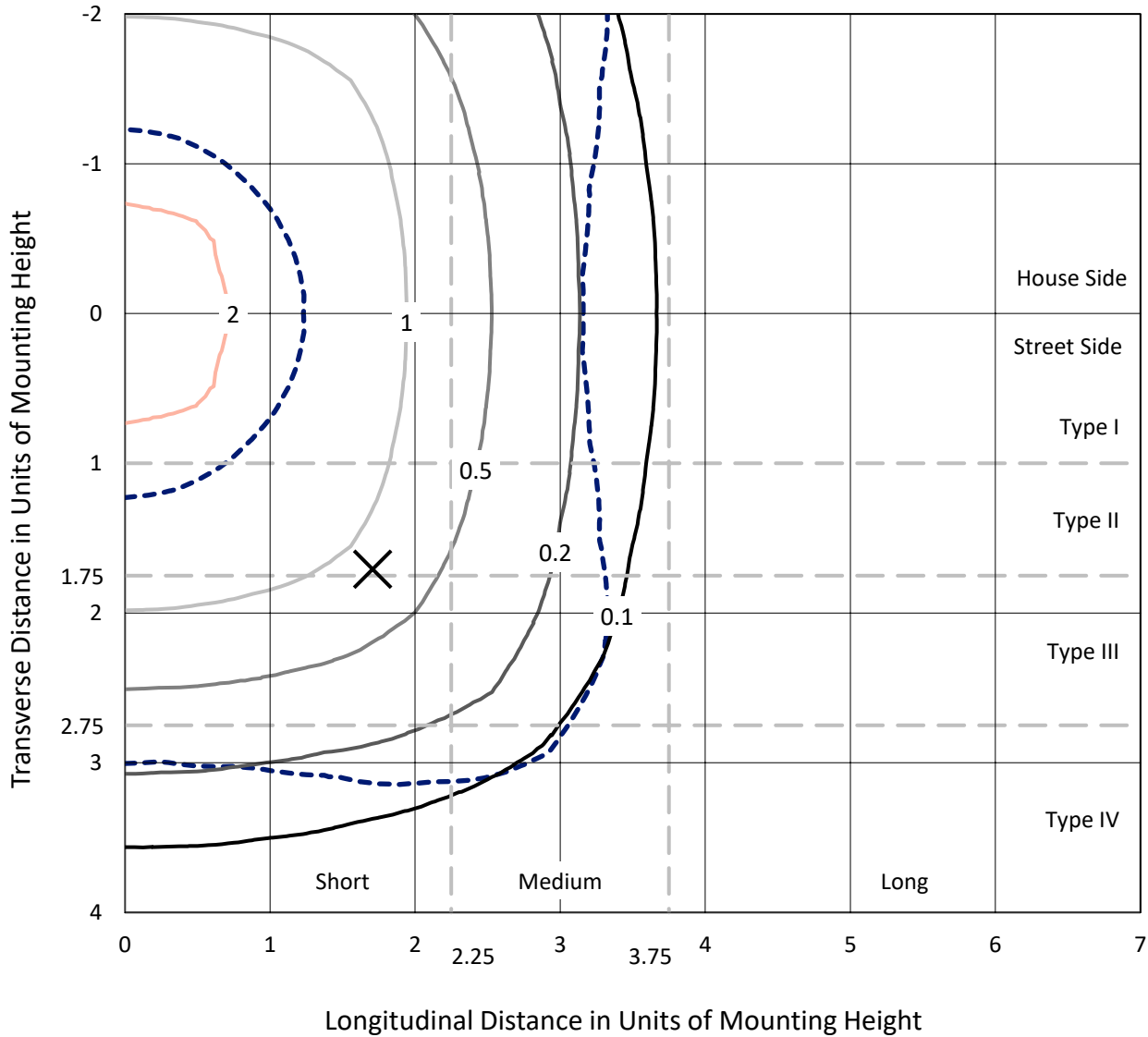
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

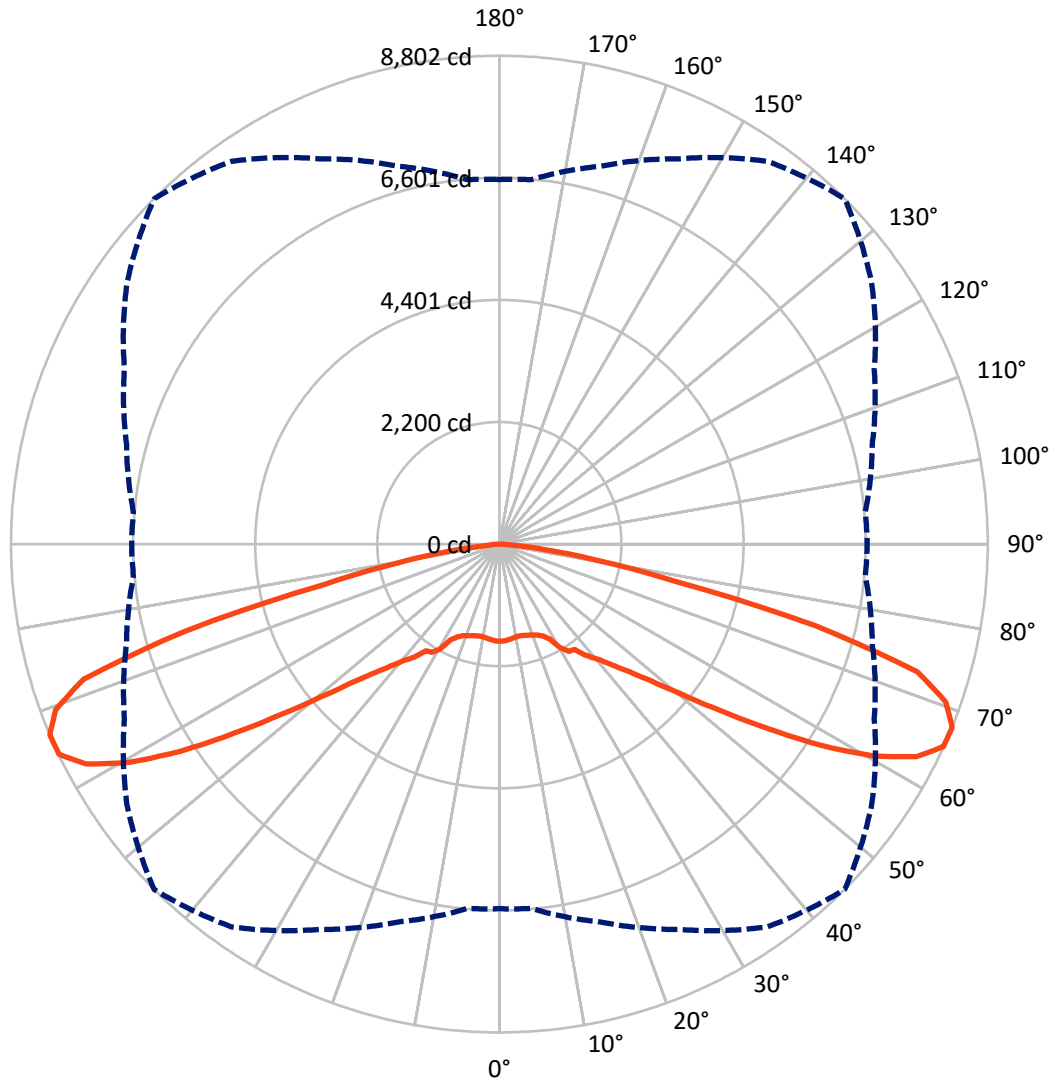
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11147.5	0.0	11147.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11147.5	0.0	11147.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22295.0	0.0	22295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	0.7
10°-20°	487.2	2.2
20°-30°	873.9	3.9
30°-40°	1476.2	6.6
40°-50°	2593.8	11.6
50°-60°	5003.5	22.4
60°-70°	7259.4	32.6
70°-80°	4153.5	18.6
80°-90°	283.5	1.3
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°	22295.0	100.0
0°-180°	22295.0	100.0

Coefficient of Utilization



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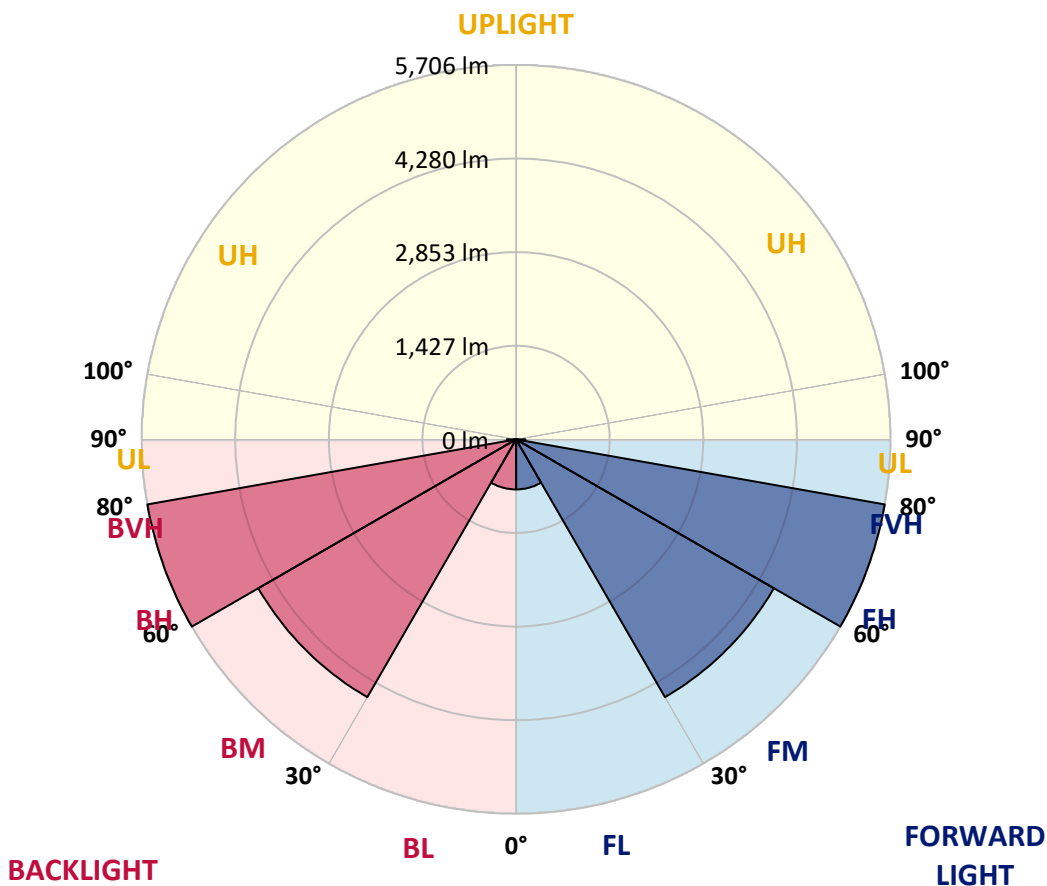
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	762.6	3.4			
FM (30°-60°)	4536.7	20.3			
FH (60°-80°)	5706.4	25.6			G3/7500
FVH (80°-90°)	141.7	0.6			G2/225
BL (0°-30°)	762.6	3.4	B2/1000		
BM (30°-60°)	4536.7	20.3	B3/5000		
BH (60°-80°)	5706.4	25.6	B5		G3/7500
BVH (80°-90°)	141.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4
2.5°	1734.2	1735.8	1738.9	1738.9	1742.1	1746.8	1748.4	1745.2	1746.8	1738.9	1746.8
5°	1729.5	1731.0	1732.6	1729.5	1729.5	1731.0	1731.0	1727.9	1729.5	1721.6	1729.5
7.5°	1718.4	1720.0	1720.0	1715.3	1710.5	1713.7	1713.7	1710.5	1712.1	1704.2	1713.7
10°	1709.0	1709.0	1707.4	1697.9	1693.2	1697.9	1699.5	1701.1	1707.4	1701.1	1712.1
12.5°	1715.3	1715.3	1710.5	1697.9	1690.1	1693.2	1696.4	1699.5	1710.5	1709.0	1721.6
15°	1732.6	1734.2	1721.6	1707.4	1702.7	1707.4	1704.2	1702.7	1716.9	1721.6	1735.8
17.5°	1746.8	1746.8	1731.0	1716.9	1718.4	1726.3	1720.0	1712.1	1726.3	1735.8	1751.5
20°	1759.4	1757.8	1740.5	1731.0	1737.3	1748.4	1743.7	1732.6	1742.1	1753.1	1767.3
22.5°	1790.9	1789.4	1770.5	1765.7	1772.0	1783.1	1778.3	1768.9	1779.9	1795.7	1813.0
25°	1880.8	1877.7	1849.3	1833.5	1830.4	1838.2	1836.7	1833.5	1850.9	1869.8	1890.3
27.5°	2000.6	1999.1	1978.6	1962.8	1942.3	1936.0	1940.7	1954.9	1980.1	1994.3	2011.7
30°	2060.5	2060.5	2057.4	2082.6	2126.8	2169.3	2136.2	2082.6	2060.5	2054.2	2071.6
32.5°	2139.4	2147.2	2136.2	2164.6	2238.7	2301.7	2238.7	2152.0	2136.2	2136.2	2155.1
35°	2320.7	2323.8	2306.5	2301.7	2325.4	2333.3	2303.3	2271.8	2289.1	2292.3	2315.9
37.5°	2465.7	2465.7	2457.8	2470.4	2519.3	2549.3	2500.4	2443.6	2448.4	2451.5	2481.5
40°	2689.6	2695.9	2677.0	2675.4	2694.3	2721.1	2669.1	2632.8	2658.0	2665.9	2711.6
42.5°	2968.6	2968.6	2940.2	2932.4	2945.0	2973.4	2924.5	2900.8	2933.9	2940.2	2967.0
45°	3301.3	3309.2	3271.3	3257.1	3263.4	3272.9	3238.2	3227.2	3258.7	3272.9	3320.2
47.5°	3706.4	3714.3	3681.2	3679.6	3673.3	3679.6	3646.5	3640.2	3665.5	3654.4	3704.9
50°	4206.2	4220.4	4192.0	4231.4	4226.7	4245.6	4199.9	4166.8	4166.8	4136.8	4165.2
52.5°	4765.9	4794.3	4808.4	4874.7	4925.1	4972.4	4896.7	4844.7	4769.0	4707.5	4784.8
55°	5376.0	5368.1	5458.0	5603.0	5751.2	5863.2	5715.0	5551.0	5428.0	5300.3	5330.3
57.5°	5910.4	5937.3	6055.5	6320.3	6613.6	6850.1	6583.6	6268.3	5989.3	5806.4	5831.6
60°	6355.0	6377.1	6534.8	6916.3	7428.7	7755.0	7332.5	6812.2	6407.1	6154.8	6181.6
62.5°	6764.9	6785.4	6944.7	7365.6	8012.0	8437.6	7892.2	7181.1	6730.3	6476.4	6492.2
65°	7001.4	7014.0	7231.6	7674.6	8355.7	8795.5	8180.7	7447.6	7004.6	6746.0	6755.5
67.5°	6571.0	6591.5	7050.3	7662.0	8421.9	8801.8	8193.3	7455.5	6957.3	6619.9	6627.8
70°	5183.7	5166.3	5713.4	6764.9	8041.9	8537.0	7829.1	6895.8	6126.4	5655.0	5647.2
72.5°	3952.4	3957.1	4261.4	4981.9	6556.8	7878.0	6908.4	5552.6	4723.3	4365.4	4351.3
75°	2866.2	2910.3	3157.8	3686.0	4586.2	5888.4	5201.0	4114.8	3559.8	3345.4	3313.9
77.5°	1291.2	1347.9	1693.2	2314.4	3066.4	3254.0	3266.6	2793.6	2107.8	1751.5	1696.4
80°	376.8	403.6	518.7	887.6	1428.3	1846.1	1466.2	1232.9	767.8	602.2	573.9
82.5°	159.2	181.3	222.3	245.9	414.6	856.1	532.9	339.0	315.3	255.4	233.3
85°	67.8	72.5	93.0	99.3	134.0	182.9	168.7	152.9	146.6	113.5	104.1
87.5°	28.4	28.4	28.4	25.2	23.6	25.2	34.7	44.1	58.3	45.7	42.6
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)