

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: P639834

Luminaire Tested: GWS-SA5C-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639834
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-SA5C-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12642.9 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 157.5
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

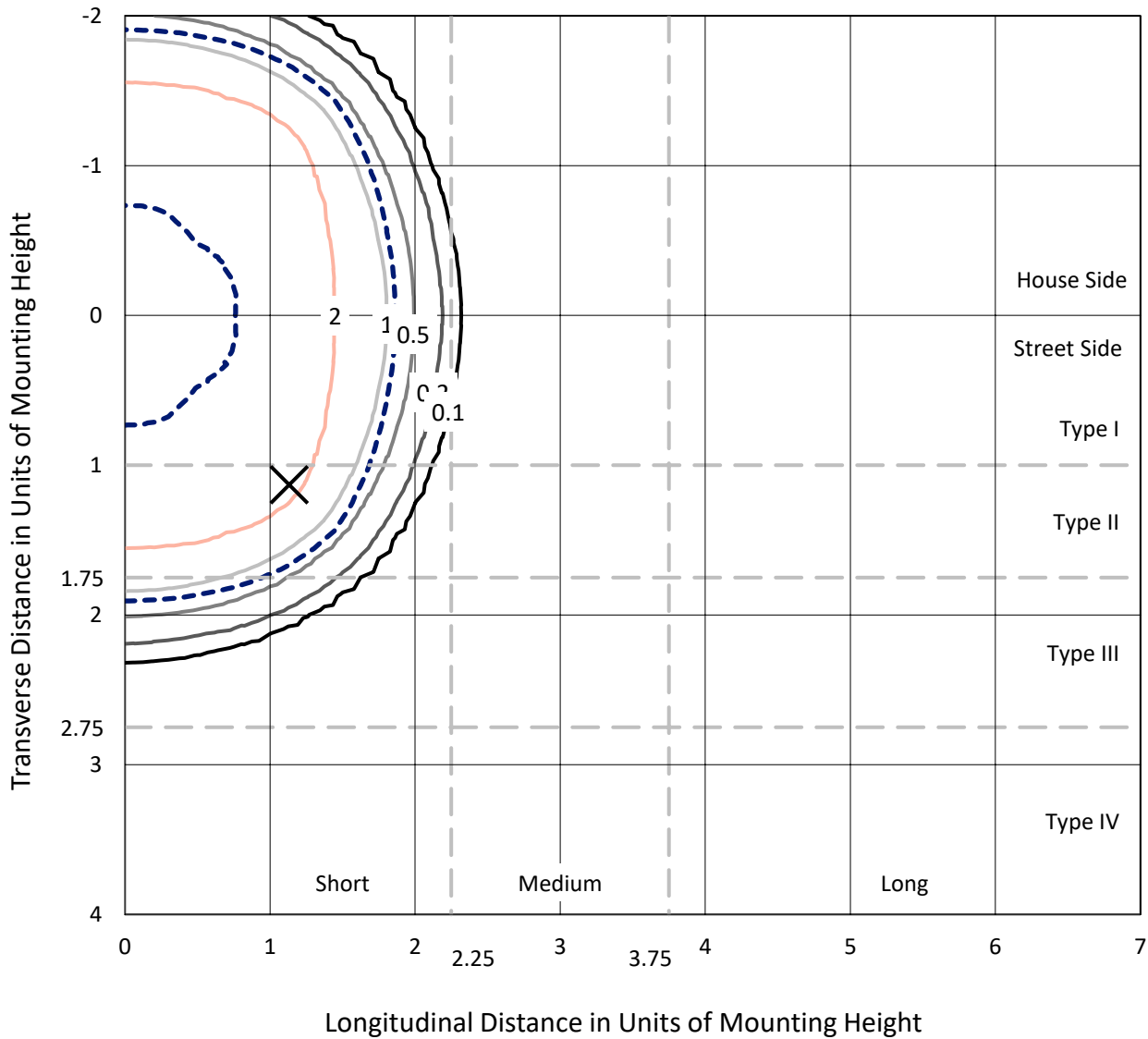


REPORT NUMBER: P639834

CATALOG NUMBER: GWS-SA5C-760-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

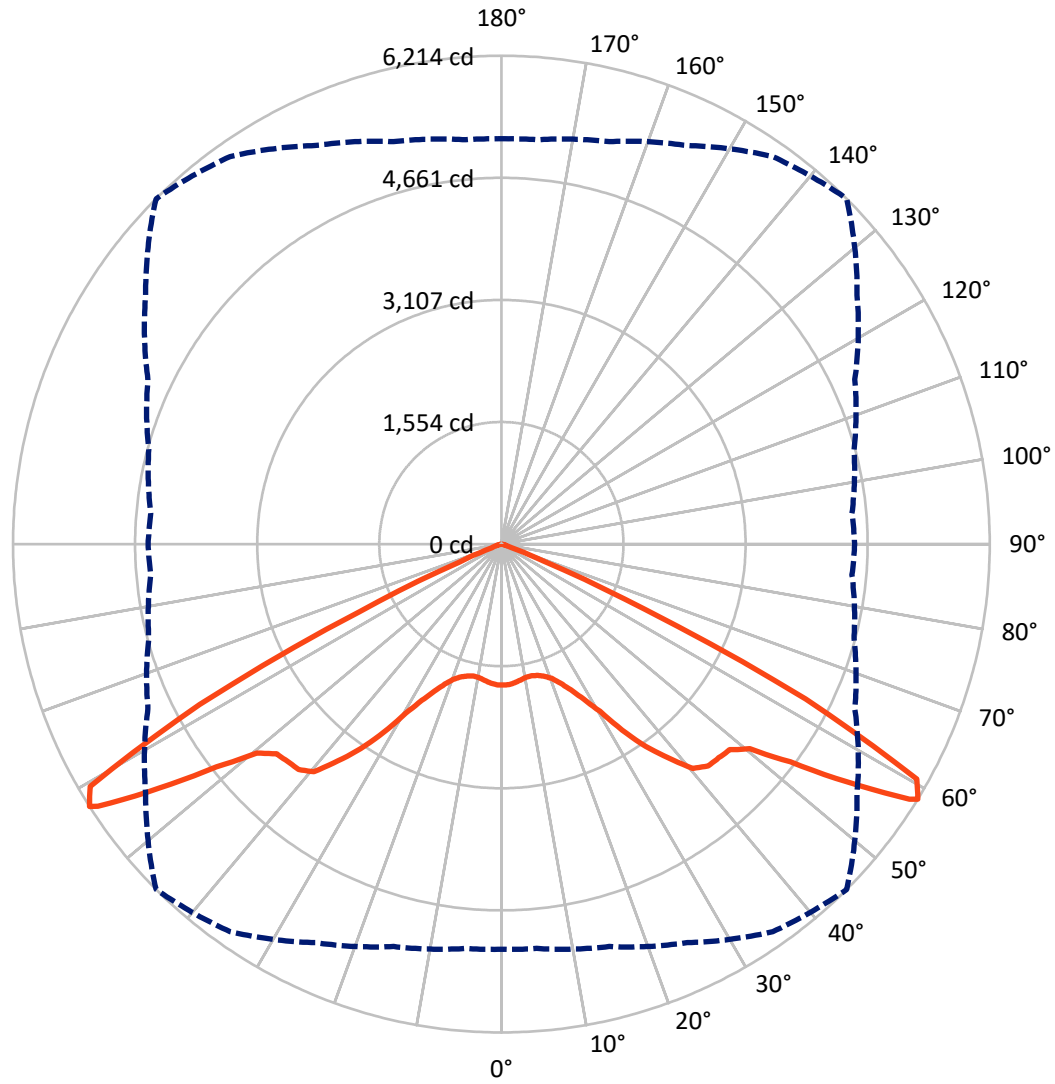
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

REPORT NUMBER: P639834
CATALOG NUMBER: GWS-SA5C-760-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639834

CATALOG NUMBER: GWS-SA5C-760-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6321.4	0.0	6321.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6321.4	0.0	6321.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12642.9	0.0	12642.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	1.3
10°-20°	495.0	3.9
20°-30°	936.1	7.4
30°-40°	1846.3	14.6
40°-50°	2921.7	23.1
50°-60°	4294.7	34.0
60°-70°	1917.0	15.2
70°-80°	64.2	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°	12642.9	100.0
0°-180°	12642.9	100.0

Coefficient of Utilization



REPORT NUMBER: P639834

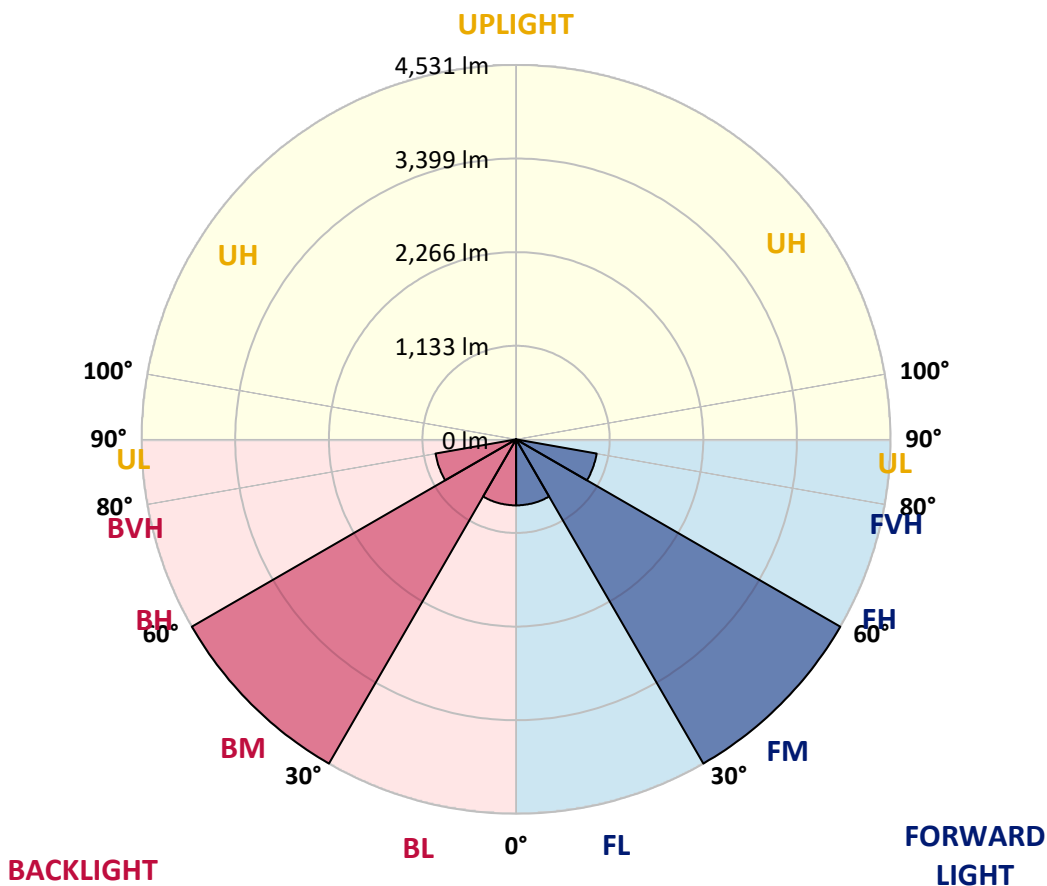
CATALOG NUMBER: GWS-SA5C-760-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	799.2	6.3			
FM (30°-60°)	4531.4	35.8			
FH (60°-80°)	990.6	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	799.2	6.3	B2/1000		
BM (30°-60°)	4531.4	35.8	B3/5000		
BH (60°-80°)	990.6	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.3	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





REPORT NUMBER: P639834

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1792.9	1792.9	1792.9	1792.9	1792.9	1792.9	1792.9	1792.9	1792.9	1792.9	1792.9
2.5°	1775.7	1779.2	1782.6	1784.3	1786.0	1791.2	1792.9	1787.8	1787.8	1777.4	1789.5
5°	1767.1	1770.5	1774.0	1772.3	1772.3	1772.3	1770.5	1763.7	1761.9	1751.6	1763.7
7.5°	1751.6	1755.0	1755.0	1749.9	1746.4	1746.4	1744.7	1736.1	1734.4	1724.0	1736.1
10°	1739.5	1741.3	1739.5	1729.2	1722.3	1722.3	1720.6	1717.1	1718.9	1712.0	1722.3
12.5°	1746.4	1748.2	1741.3	1727.5	1718.9	1717.1	1712.0	1706.8	1712.0	1710.3	1720.6
15°	1768.8	1770.5	1758.5	1741.3	1734.4	1734.4	1720.6	1706.8	1713.7	1715.4	1727.5
17.5°	1796.4	1796.4	1780.9	1765.4	1767.1	1767.1	1744.7	1720.6	1722.3	1729.2	1741.3
20°	1829.1	1829.1	1813.6	1810.2	1822.2	1823.9	1796.4	1758.5	1749.9	1755.0	1768.8
22.5°	1887.7	1887.7	1875.6	1884.2	1911.8	1920.4	1879.0	1825.7	1805.0	1808.4	1822.2
25°	1978.9	1978.9	1975.5	1996.2	2035.8	2054.7	1999.6	1929.0	1894.5	1889.4	1904.9
27.5°	2132.2	2134.0	2128.8	2159.8	2209.7	2232.1	2156.3	2063.3	2022.0	2013.4	2028.9
30°	2330.3	2330.3	2332.0	2375.1	2440.5	2469.8	2369.9	2261.4	2213.2	2185.6	2206.3
32.5°	2550.8	2554.2	2571.4	2643.8	2759.2	2819.4	2673.0	2521.5	2444.0	2414.7	2437.1
35°	2914.2	2881.4	2860.8	2914.2	3081.2	3160.5	2972.7	2795.3	2736.8	2733.3	2790.2
37.5°	3274.1	3255.2	3212.1	3267.2	3417.1	3453.2	3246.6	3098.4	3057.1	3079.5	3136.3
40°	3560.0	3525.6	3468.7	3520.4	3716.8	3752.9	3498.0	3351.6	3336.1	3386.1	3463.6
42.5°	3785.7	3737.4	3661.6	3673.7	3832.2	3858.0	3632.4	3522.1	3532.5	3594.5	3682.3
45°	3887.3	3849.4	3782.2	3777.0	3876.9	3878.7	3701.3	3644.4	3672.0	3720.2	3789.1
47.5°	3930.3	3913.1	3875.2	3866.6	3923.4	3909.7	3799.4	3775.3	3801.2	3814.9	3854.5
50°	4037.1	4037.1	4042.3	4049.2	4107.7	4093.9	4016.4	3988.9	3956.2	3907.9	3920.0
52.5°	4336.8	4348.8	4398.8	4453.9	4560.7	4605.5	4479.7	4319.6	4162.8	4057.8	4057.8
55°	4877.6	4889.7	4948.2	5041.2	5237.6	5344.3	5051.6	4698.5	4483.2	4340.2	4359.2
57.5°	5175.6	5189.3	5309.9	5561.4	5942.0	6122.8	5494.2	4970.6	4669.2	4505.6	4519.4
58°	5156.6	5165.2	5301.3	5595.8	6019.5	6214.1	5525.2	4962.0	4645.1	4478.0	4495.2
60°	4581.4	4569.3	4786.3	5206.6	5804.2	6072.9	5216.9	4529.7	4161.1	3990.6	3999.2
62.5°	2995.1	3002.0	3189.7	3628.9	4093.9	4347.1	3644.4	3132.9	2836.7	2733.3	2707.5
65°	1250.4	1228.0	1343.4	1588.0	1867.0	2008.2	1725.8	1460.5	1278.0	1209.1	1228.0
67.5°	322.1	313.5	320.4	401.3	490.9	580.4	487.4	372.0	323.8	327.2	327.2
70°	182.6	172.2	139.5	129.2	125.7	125.7	125.7	125.7	144.7	170.5	175.7
72.5°	137.8	129.2	101.6	87.8	77.5	72.3	75.8	87.8	105.1	127.5	130.9
75°	68.9	68.9	62.0	58.6	51.7	48.2	49.9	55.1	63.7	72.3	70.6
77.5°	13.8	15.5	17.2	20.7	17.2	17.2	17.2	20.7	20.7	22.4	20.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
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)