

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: P632904

Luminaire Tested: GWS-SA2D-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632904
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-SA2D-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6199.3 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 82.1
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

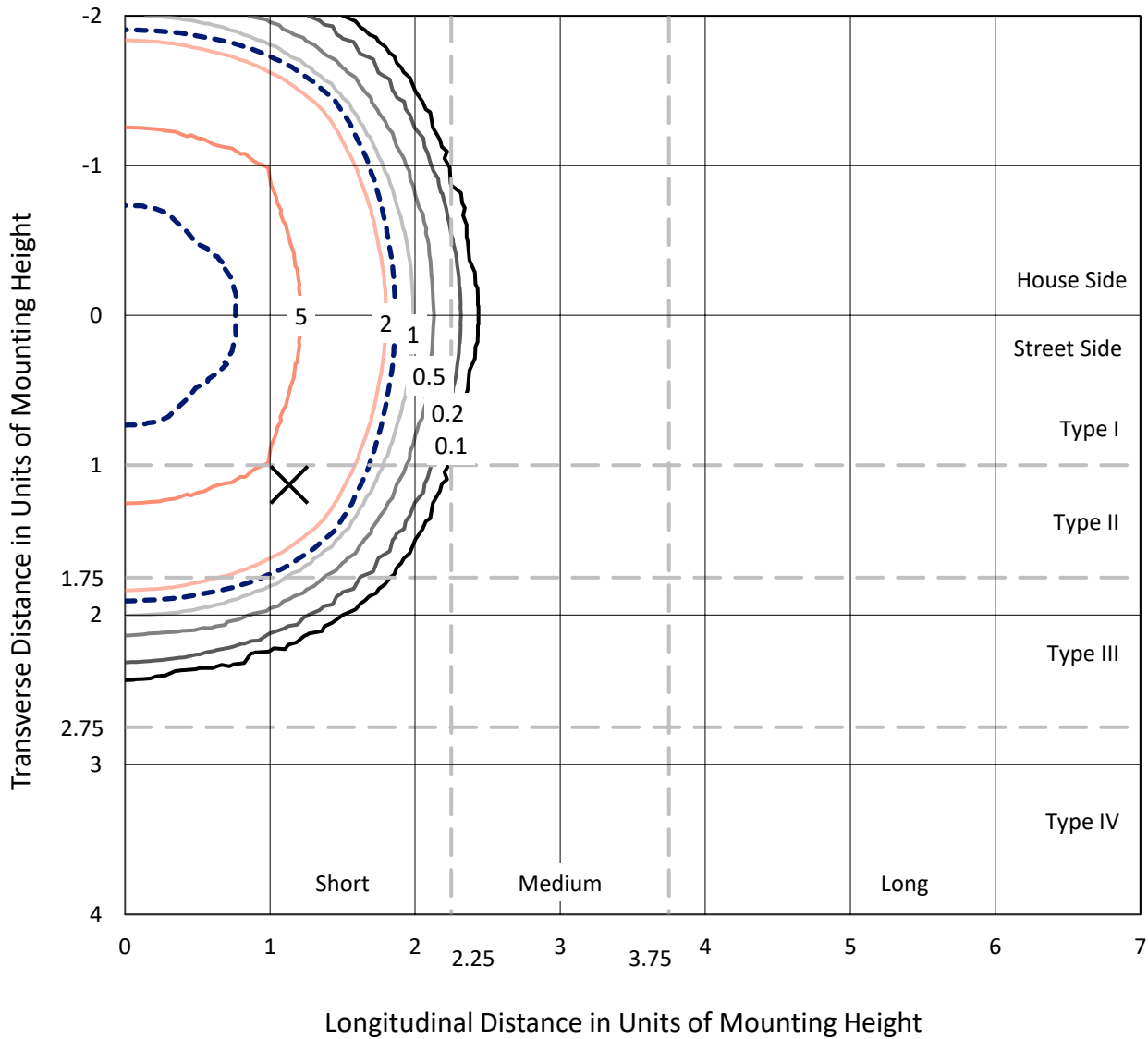


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Iso-Footcandle Lines of Horizontal Illumination

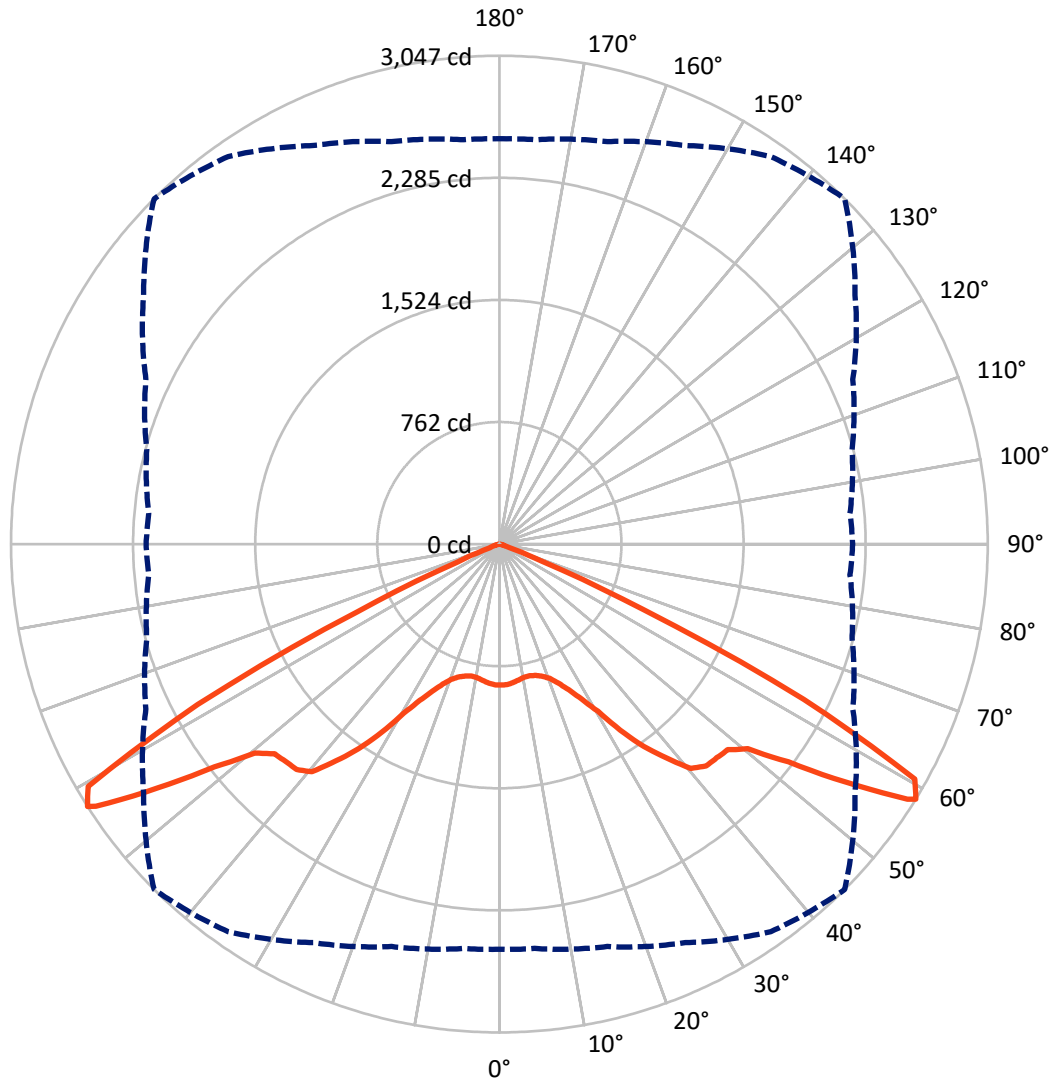
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 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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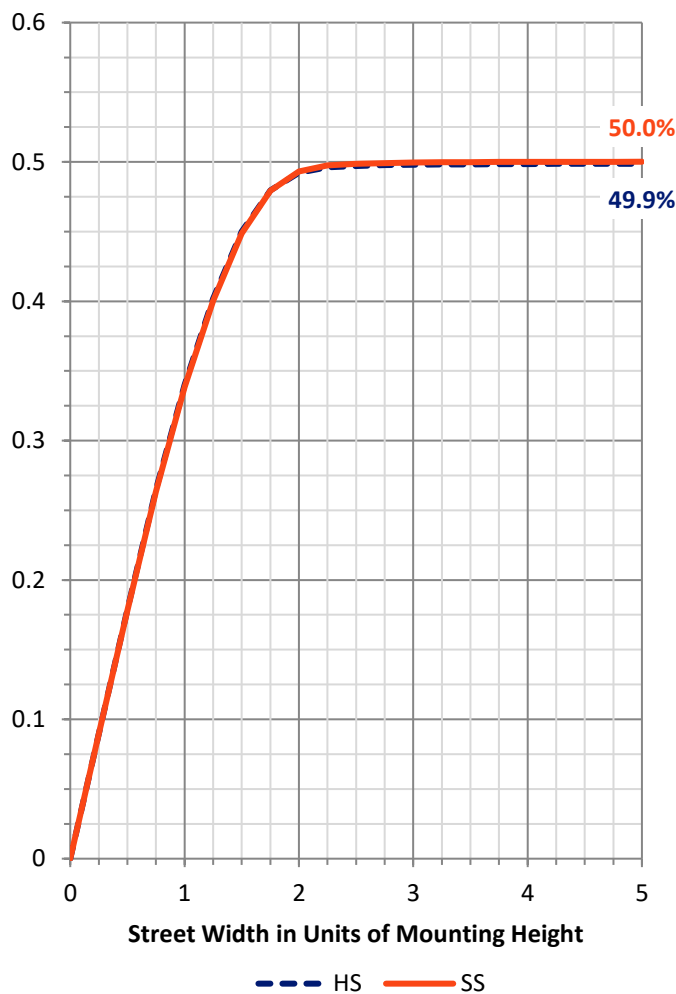
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3099.6	0.0	3099.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3099.6	0.0	3099.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6199.3	0.0	6199.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.3
10°-20°	242.7	3.9
20°-30°	459.0	7.4
30°-40°	905.3	14.6
40°-50°	1432.6	23.1
50°-60°	2105.9	34.0
60°-70°	940.0	15.2
70°-80°	31.5	0.5
80°-90°	0.2	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°	6199.3	100.0
0°-180°	6199.3	100.0

Coefficient of Utilization



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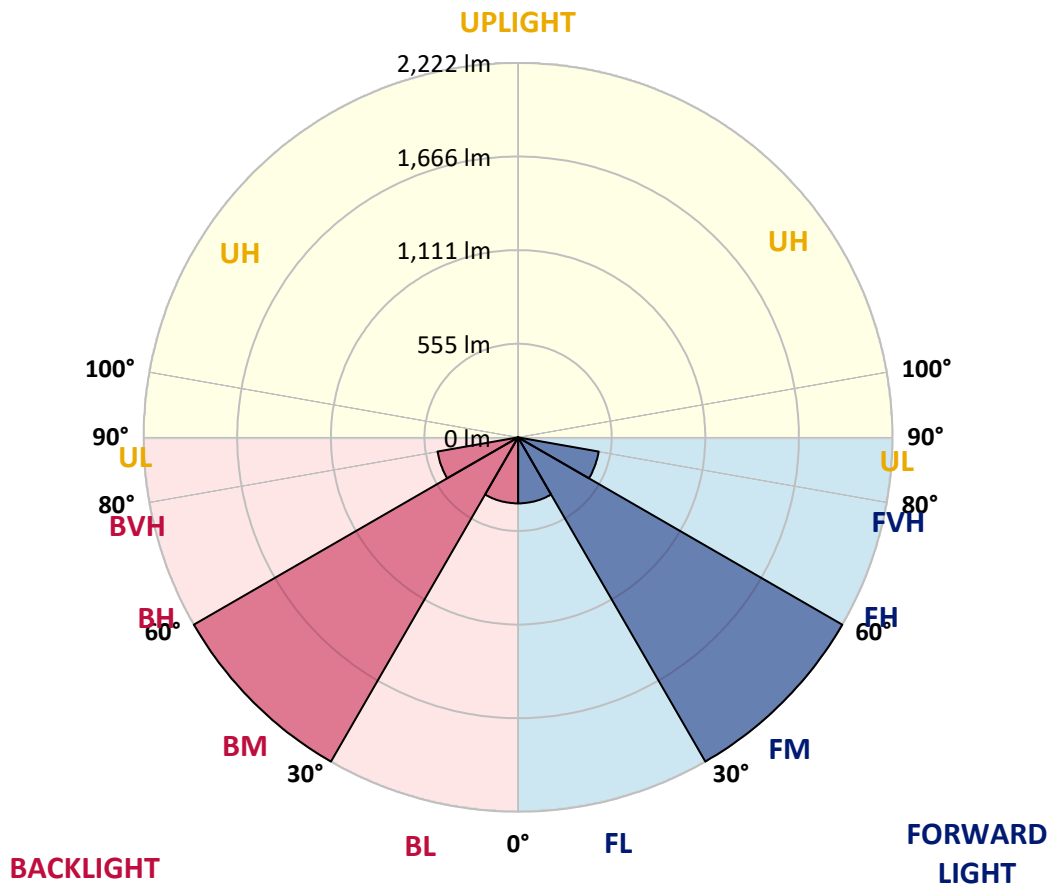
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	391.9	6.3			
FM (30°-60°)	2221.9	35.8			
FH (60°-80°)	485.7	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	391.9	6.3	B1/500		
BM (30°-60°)	2221.9	35.8	B2/2500		
BH (60°-80°)	485.7	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1
2.5°	870.7	872.4	874.1	874.9	875.8	878.3	879.1	876.6	876.6	871.5	877.5
5°	866.5	868.2	869.9	869.0	869.0	869.0	868.2	864.8	863.9	858.9	864.8
7.5°	858.9	860.6	860.6	858.0	856.3	856.3	855.5	851.3	850.4	845.4	851.3
10°	853.0	853.8	853.0	847.9	844.5	844.5	843.7	842.0	842.8	839.5	844.5
12.5°	856.3	857.2	853.8	847.1	842.8	842.0	839.5	836.9	839.5	838.6	843.7
15°	867.3	868.2	862.3	853.8	850.4	850.4	843.7	836.9	840.3	841.1	847.1
17.5°	880.8	880.8	873.2	865.6	866.5	866.5	855.5	843.7	844.5	847.9	853.8
20°	896.9	896.9	889.3	887.6	893.5	894.3	880.8	862.3	858.0	860.6	867.3
22.5°	925.6	925.6	919.7	923.9	937.4	941.6	921.4	895.2	885.1	886.7	893.5
25°	970.4	970.4	968.7	978.8	998.2	1007.5	980.5	945.9	929.0	926.4	934.0
27.5°	1045.5	1046.4	1043.8	1059.0	1083.5	1094.5	1057.3	1011.7	991.5	987.2	994.8
30°	1142.6	1142.6	1143.5	1164.6	1196.7	1211.0	1162.1	1108.9	1085.2	1071.7	1081.8
32.5°	1250.7	1252.4	1260.9	1296.3	1352.9	1382.5	1310.7	1236.4	1198.4	1184.0	1195.0
35°	1428.9	1412.9	1402.7	1428.9	1510.8	1549.7	1457.6	1370.7	1341.9	1340.3	1368.1
37.5°	1605.4	1596.1	1575.0	1602.1	1675.5	1693.3	1591.9	1519.3	1499.0	1510.0	1537.9
40°	1745.6	1728.7	1700.9	1726.2	1822.5	1840.2	1715.2	1643.4	1635.8	1660.3	1698.3
42.5°	1856.3	1832.6	1795.4	1801.4	1879.1	1891.7	1781.1	1727.0	1732.1	1762.5	1805.6
45°	1906.1	1887.5	1854.6	1852.0	1901.0	1901.9	1814.9	1787.0	1800.5	1824.2	1857.9
47.5°	1927.2	1918.7	1900.2	1895.9	1923.8	1917.1	1863.0	1851.2	1863.9	1870.6	1890.0
50°	1979.6	1979.6	1982.1	1985.5	2014.2	2007.4	1969.4	1955.9	1939.9	1916.2	1922.1
52.5°	2126.5	2132.4	2156.9	2183.9	2236.3	2258.2	2196.6	2118.1	2041.2	1989.7	1989.7
55°	2391.7	2397.6	2426.3	2471.9	2568.2	2620.5	2477.0	2303.8	2198.3	2128.2	2137.5
57.5°	2537.8	2544.5	2603.6	2726.9	2913.6	3002.3	2694.0	2437.3	2289.5	2209.3	2216.0
58°	2528.5	2532.7	2599.4	2743.8	2951.6	3047.0	2709.2	2433.1	2277.7	2195.7	2204.2
60°	2246.4	2240.5	2346.9	2553.0	2846.0	2977.8	2558.0	2221.1	2040.4	1956.7	1961.0
62.5°	1468.6	1472.0	1564.0	1779.4	2007.4	2131.6	1787.0	1536.2	1390.9	1340.3	1327.6
65°	613.1	602.1	658.7	778.6	915.5	984.7	846.2	716.2	626.6	592.9	602.1
67.5°	157.9	153.7	157.1	196.8	240.7	284.6	239.0	182.4	158.8	160.5	160.5
70°	89.5	84.5	68.4	63.3	61.6	61.6	61.6	61.6	70.9	83.6	86.1
72.5°	67.6	63.3	49.8	43.1	38.0	35.5	37.2	43.1	51.5	62.5	64.2
75°	33.8	33.8	30.4	28.7	25.3	23.6	24.5	27.0	31.2	35.5	34.6
77.5°	6.8	7.6	8.4	10.1	8.4	8.4	8.4	10.1	10.1	11.0	10.1
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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)