

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: P639006

Luminaire Tested: GWS-SA5B-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639006
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-SA5B-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9203.3 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

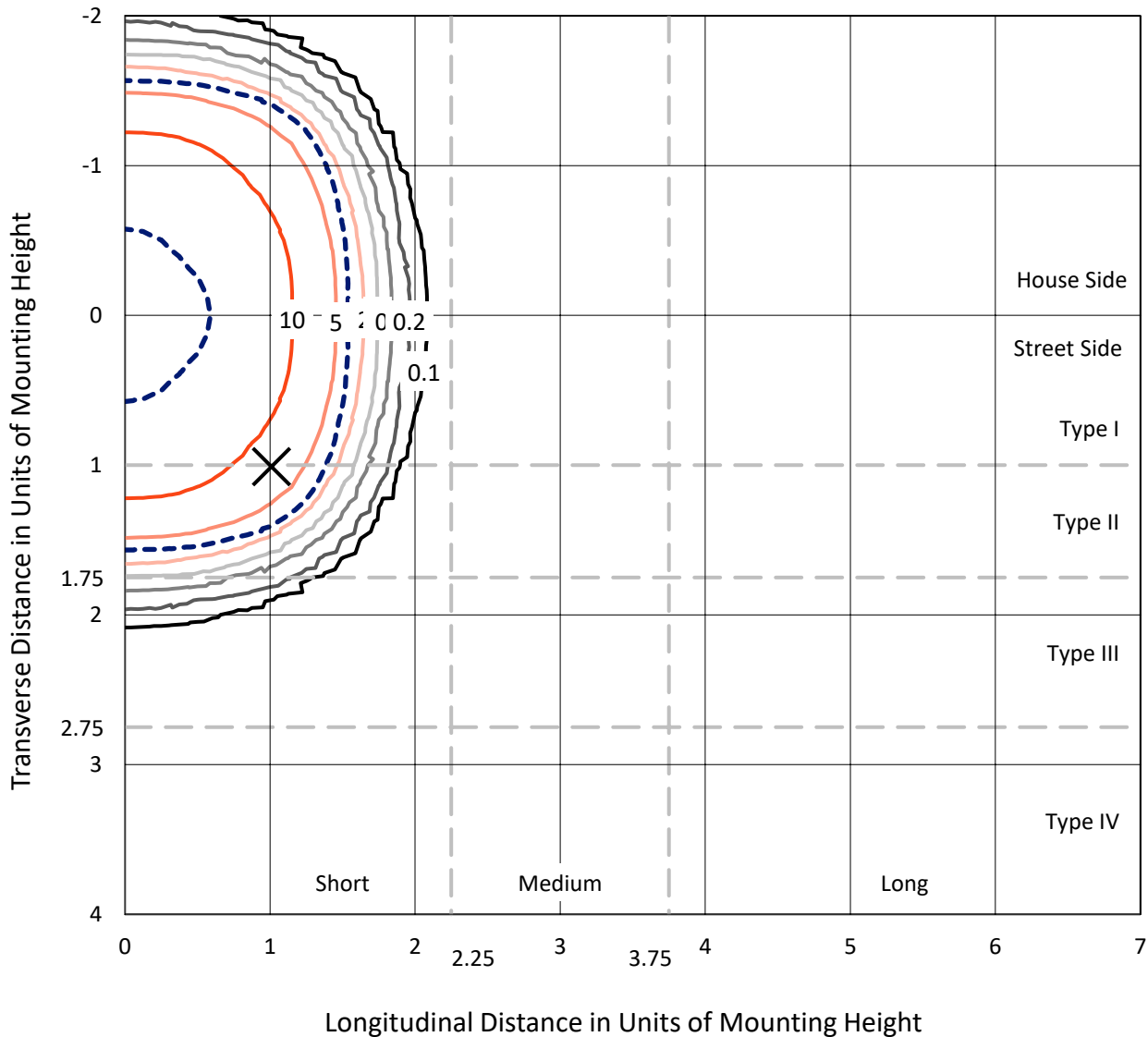
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

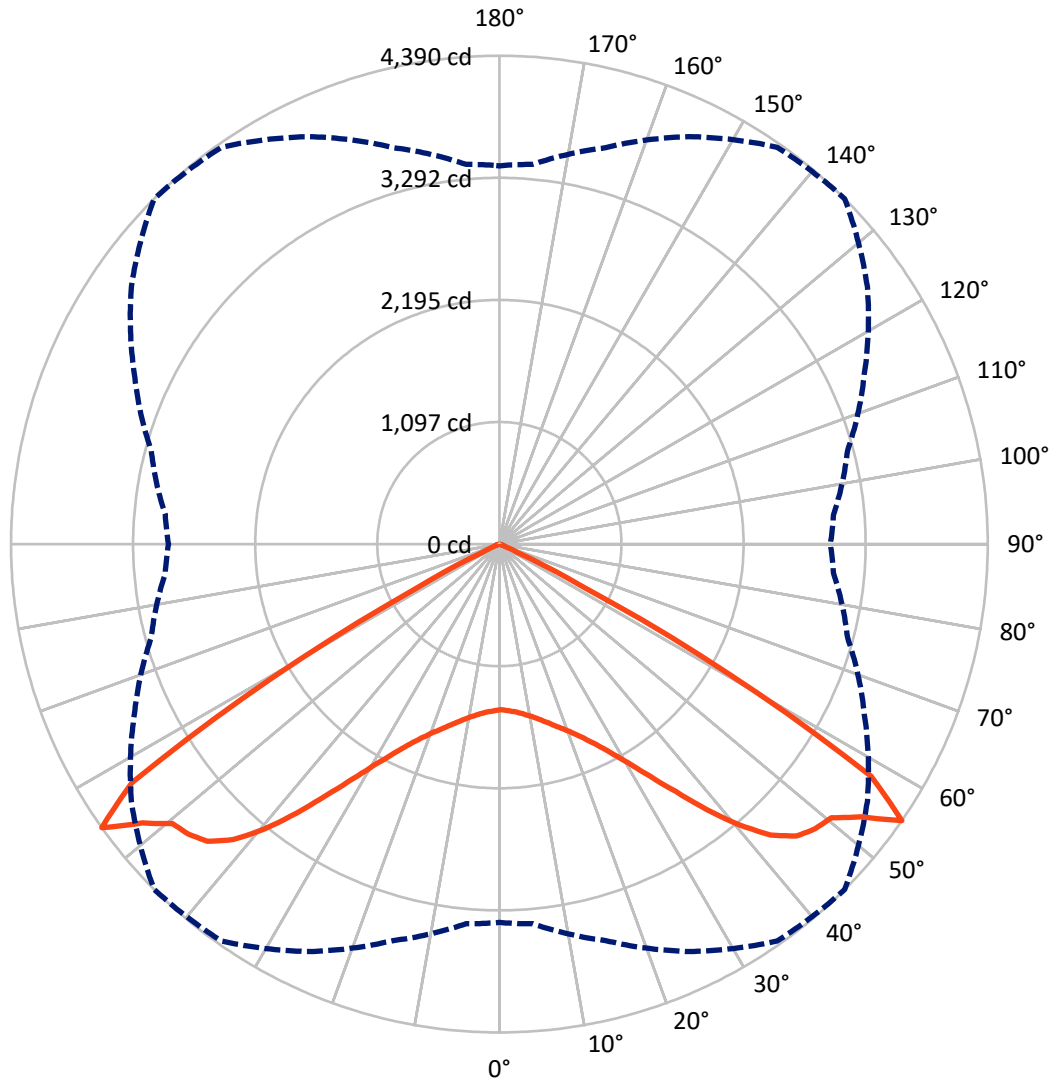
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 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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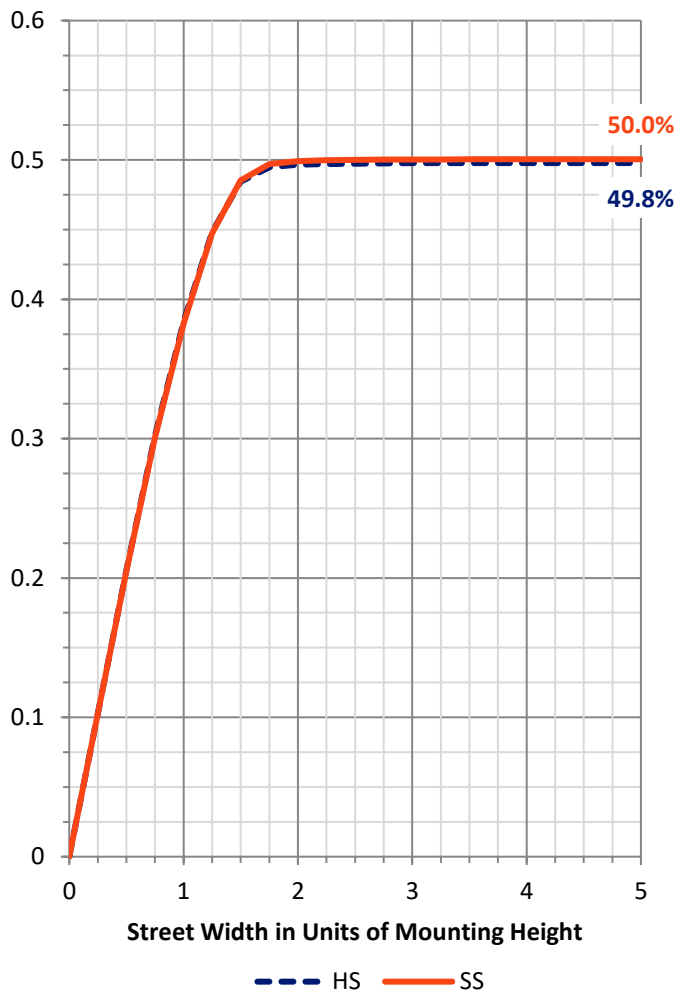
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4601.6	0.0	4601.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4601.6	0.0	4601.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9203.3	0.0	9203.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	1.6
10°-20°	472.6	5.1
20°-30°	915.2	9.9
30°-40°	1639.7	17.8
40°-50°	2749.0	29.9
50°-60°	2942.7	32.0
60°-70°	323.4	3.5
70°-80°	14.2	0.2
80°-90°	0.6	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°	9203.3	100.0
0°-180°	9203.3	100.0

Coefficient of Utilization



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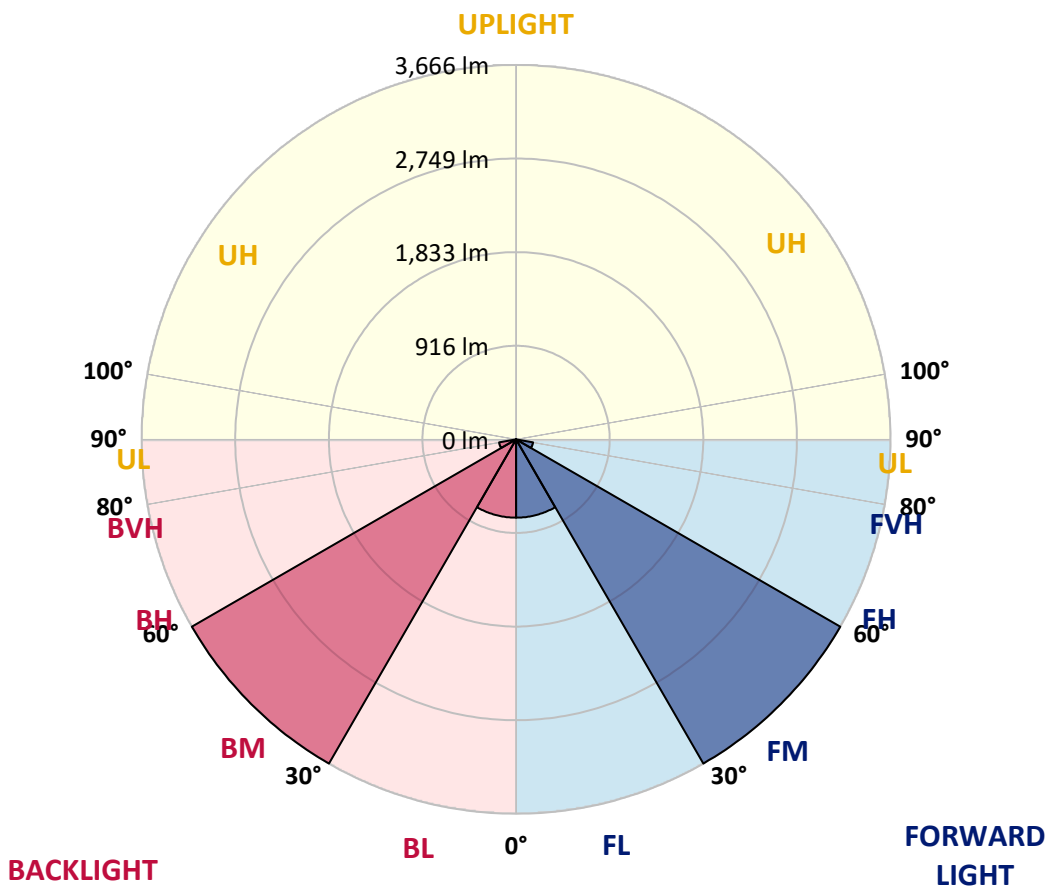
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.8	8.3			
FM (30°-60°)	3665.7	39.8			
FH (60°-80°)	168.8	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	766.8	8.3	B2/1000		
BM (30°-60°)	3665.7	39.8	B3/5000		
BH (60°-80°)	168.8	1.8	B1/500		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1488.0	1488.0	1488.0	1488.0	1488.0	1488.0	1488.0	1488.0	1488.0	1488.0	1488.0
2.5°	1485.2	1485.2	1488.9	1491.7	1491.7	1499.2	1496.4	1493.6	1493.6	1489.9	1497.4
5°	1506.7	1505.8	1509.6	1511.4	1507.7	1515.2	1510.5	1507.7	1505.8	1502.1	1509.6
7.5°	1530.2	1531.1	1532.1	1535.8	1533.9	1541.4	1537.7	1532.1	1530.2	1524.6	1532.1
10°	1558.3	1558.3	1560.2	1564.9	1565.8	1575.2	1571.4	1564.9	1559.3	1553.6	1561.1
12.5°	1593.9	1594.9	1597.7	1604.3	1608.0	1618.3	1612.7	1599.6	1591.1	1584.6	1593.0
15°	1645.5	1644.6	1648.3	1657.7	1662.4	1669.9	1661.5	1643.6	1633.3	1625.8	1631.5
17.5°	1701.8	1701.8	1703.6	1713.0	1719.6	1730.8	1720.5	1699.0	1689.6	1679.3	1684.9
20°	1763.7	1766.5	1768.3	1774.9	1786.2	1797.4	1789.0	1767.4	1757.1	1744.0	1750.5
22.5°	1845.2	1842.4	1843.4	1854.6	1870.5	1881.8	1875.2	1849.9	1832.1	1821.8	1825.5
25°	1936.2	1935.2	1938.1	1954.9	1972.7	1984.9	1975.6	1942.7	1924.9	1907.1	1914.6
27.5°	2047.8	2048.7	2050.6	2071.2	2099.3	2117.1	2093.7	2060.9	2036.5	2013.1	2018.7
30°	2180.0	2178.1	2183.7	2211.8	2253.1	2281.2	2254.0	2208.1	2173.4	2150.9	2153.7
32.5°	2320.6	2322.5	2337.5	2382.5	2436.9	2486.6	2431.2	2370.3	2325.3	2283.1	2288.7
35°	2472.5	2477.2	2510.9	2577.5	2666.6	2733.1	2656.3	2555.9	2492.2	2437.8	2439.7
37.5°	2651.6	2662.8	2709.7	2809.1	2936.6	3025.7	2913.2	2780.0	2697.5	2630.0	2625.3
40°	2886.9	2900.0	2963.8	3081.9	3236.6	3318.2	3187.9	3051.0	2948.8	2875.7	2864.4
42.5°	3157.0	3173.8	3243.2	3364.2	3518.9	3574.2	3446.7	3331.3	3239.5	3153.2	3149.5
45°	3461.7	3471.1	3527.3	3620.1	3731.7	3744.8	3649.2	3585.4	3492.6	3412.0	3405.4
47.5°	3747.7	3757.0	3795.5	3843.3	3869.5	3822.7	3805.8	3777.7	3657.6	3558.3	3537.6
50°	3965.2	3972.7	4020.5	4039.2	3966.1	3866.7	3899.5	3839.5	3709.2	3597.6	3565.8
52.5°	3950.2	3968.9	4091.8	4198.6	4152.7	4072.1	3983.9	3854.5	3652.0	3499.2	3459.8
55°	3400.7	3426.0	3689.5	4041.1	4355.2	4389.9	4037.4	3620.1	3239.5	3015.4	2975.1
57.5°	2185.6	2192.1	2513.7	3006.9	3714.8	3938.0	3348.2	2729.4	2255.9	2009.3	1992.4
60°	803.5	790.4	1033.3	1442.1	2139.6	2375.9	1970.9	1380.2	984.5	810.1	796.0
62.5°	193.1	195.0	241.9	362.9	671.3	830.7	656.3	366.6	233.5	196.0	194.1
65°	97.5	95.6	96.6	104.1	143.5	171.6	140.6	99.4	95.6	96.6	95.6
67.5°	62.8	61.9	63.8	64.7	63.8	60.0	59.1	60.9	60.9	61.9	60.0
70°	38.4	37.5	39.4	42.2	40.3	35.6	37.5	39.4	37.5	36.6	36.6
72.5°	20.6	20.6	22.5	24.4	22.5	20.6	20.6	21.6	20.6	20.6	20.6
75°	9.4	9.4	10.3	11.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4
77.5°	2.8	2.8	3.8	3.8	2.8	2.8	2.8	2.8	3.8	3.8	3.8
80°	0.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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)