

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: P639999

Luminaire Tested: GWS-SA5D-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639999
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-SA5D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11645 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

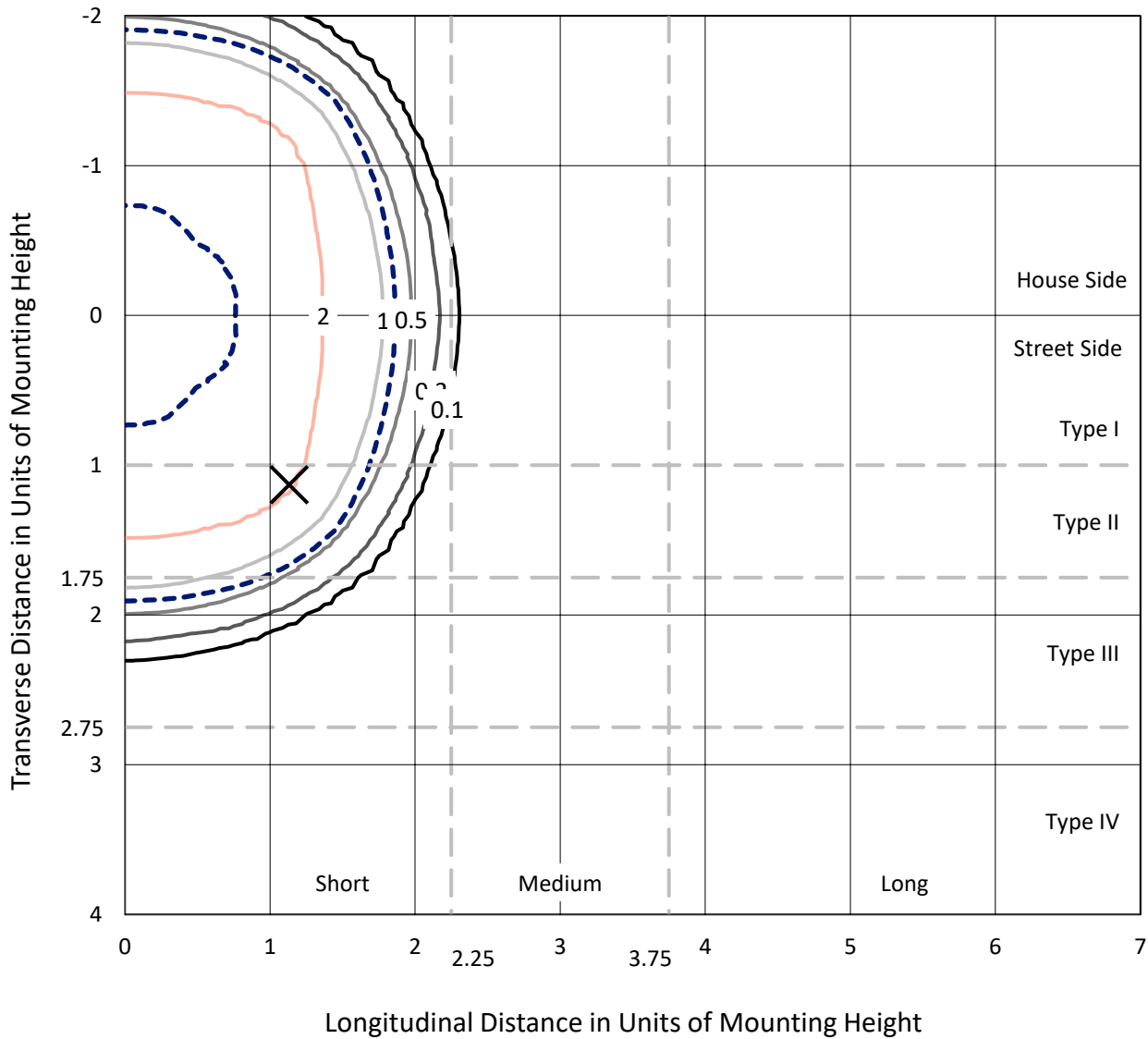
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

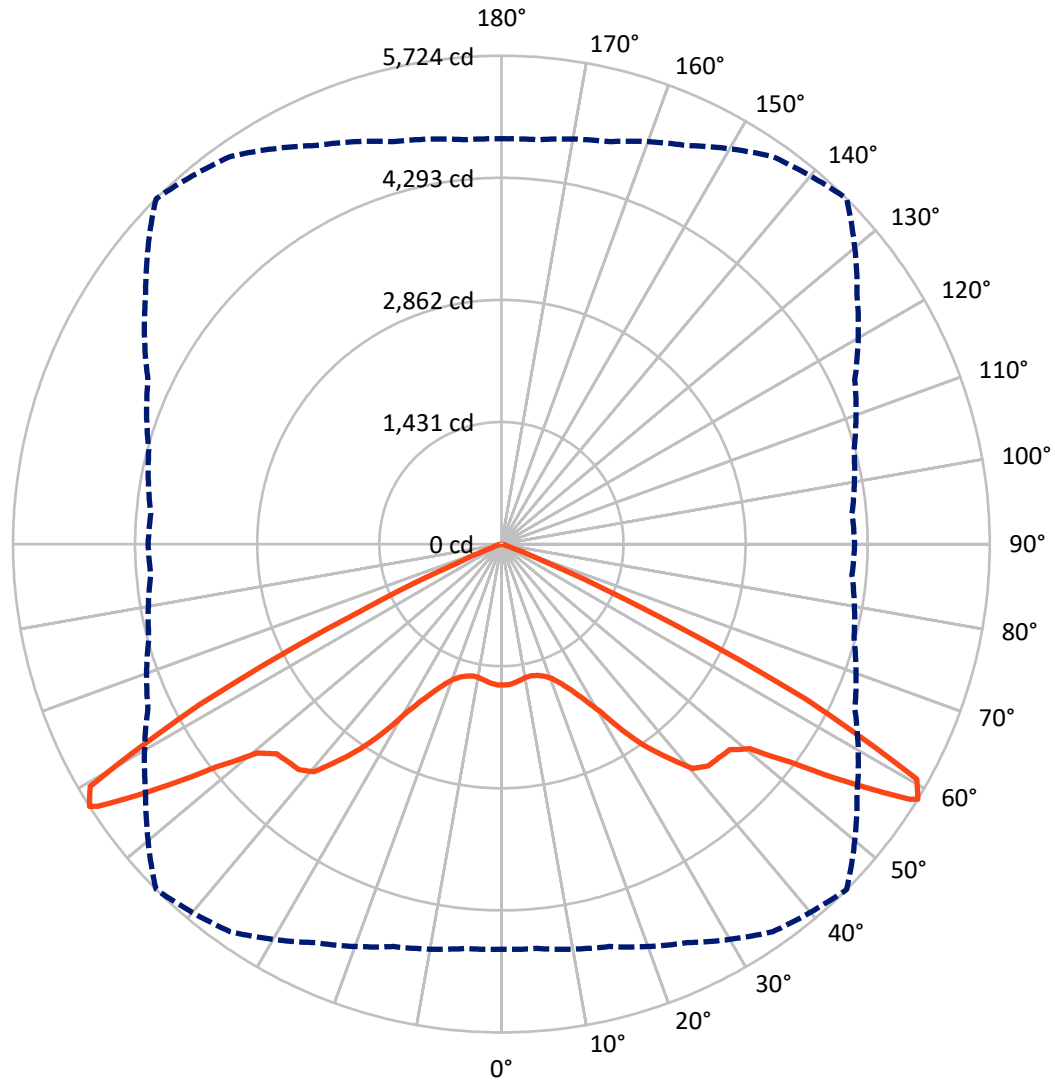
✕ Max cd
 - - - 1/2 Max cd



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	5822.5	0.0	5822.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5822.5	0.0	5822.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11645.0	0.0	11645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	1.3
10°-20°	455.9	3.9
20°-30°	862.2	7.4
30°-40°	1700.6	14.6
40°-50°	2691.1	23.1
50°-60°	3955.8	34.0
60°-70°	1765.7	15.2
70°-80°	59.2	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°	11645.0	100.0
0°-180°	11645.0	100.0

Coefficient of Utilization



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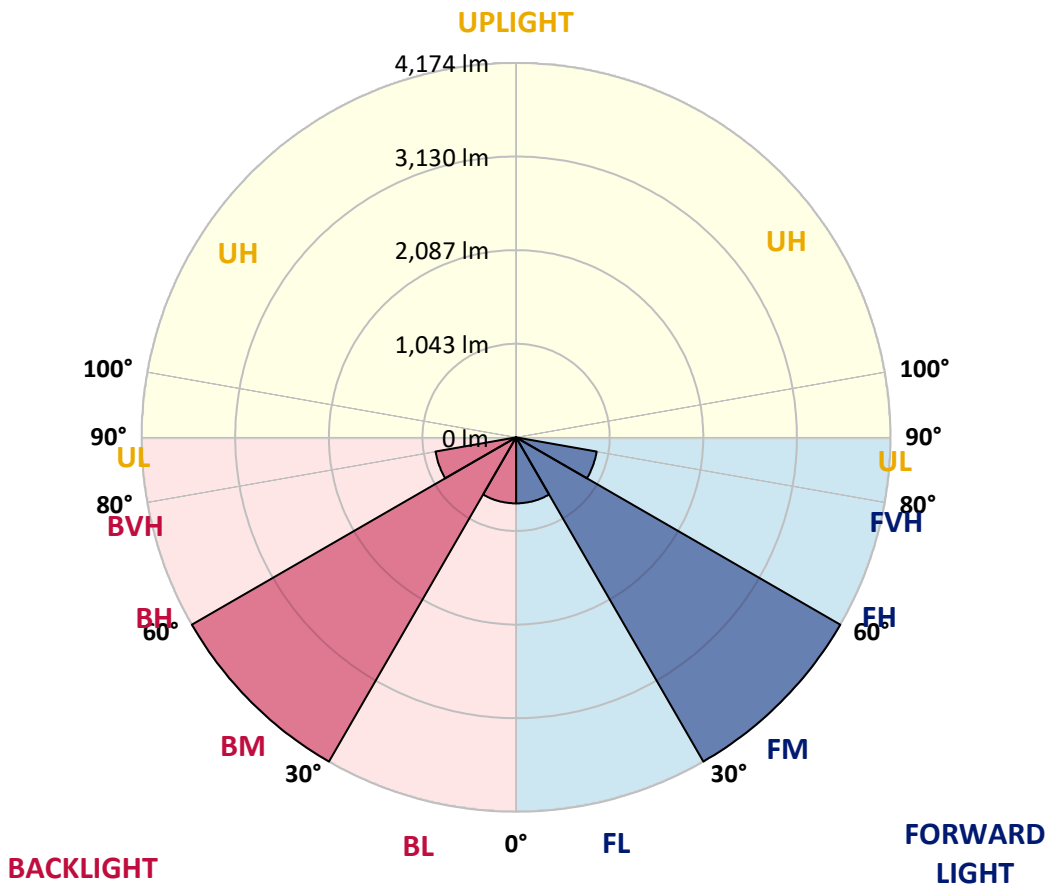
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	736.1	6.3			
FM (30°-60°)	4173.7	35.8			
FH (60°-80°)	912.4	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	736.1	6.3	B2/1000		
BM (30°-60°)	4173.7	35.8	B3/5000		
BH (60°-80°)	912.4	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°	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4
2.5°	1635.6	1638.7	1641.9	1643.5	1645.1	1649.8	1651.4	1646.7	1646.7	1637.1	1648.2
5°	1627.6	1630.8	1634.0	1632.4	1632.4	1632.4	1630.8	1624.4	1622.9	1613.3	1624.4
7.5°	1613.3	1616.5	1616.5	1611.8	1608.6	1608.6	1607.0	1599.1	1597.5	1588.0	1599.1
10°	1602.2	1603.8	1602.2	1592.7	1586.4	1586.4	1584.8	1581.6	1583.2	1576.9	1586.4
12.5°	1608.6	1610.2	1603.8	1591.1	1583.2	1581.6	1576.9	1572.1	1576.9	1575.3	1584.8
15°	1629.2	1630.8	1619.7	1603.8	1597.5	1597.5	1584.8	1572.1	1578.4	1580.0	1591.1
17.5°	1654.6	1654.6	1640.3	1626.0	1627.6	1627.6	1607.0	1584.8	1586.4	1592.7	1603.8
20°	1684.7	1684.7	1670.5	1667.3	1678.4	1680.0	1654.6	1619.7	1611.8	1616.5	1629.2
22.5°	1738.7	1738.7	1727.6	1735.5	1760.9	1768.8	1730.7	1681.6	1662.5	1665.7	1678.4
25°	1822.7	1822.7	1819.6	1838.6	1875.1	1892.5	1841.8	1776.7	1745.0	1740.3	1754.5
27.5°	1963.9	1965.5	1960.8	1989.3	2035.3	2055.9	1986.1	1900.5	1862.4	1854.5	1868.7
30°	2146.4	2146.4	2148.0	2187.6	2247.9	2274.9	2182.9	2082.9	2038.5	2013.1	2032.1
32.5°	2349.4	2352.6	2368.5	2435.1	2541.4	2596.9	2462.1	2322.5	2251.1	2224.1	2244.7
35°	2684.1	2654.0	2635.0	2684.1	2838.0	2911.0	2738.1	2574.7	2520.7	2517.6	2569.9
37.5°	3015.7	2998.2	2958.6	3009.4	3147.4	3180.7	2990.3	2853.9	2815.8	2836.4	2888.8
40°	3279.0	3247.3	3195.0	3242.5	3423.4	3456.7	3221.9	3087.1	3072.8	3118.8	3190.2
42.5°	3486.9	3442.4	3372.6	3383.7	3529.7	3553.5	3345.7	3244.1	3253.7	3310.8	3391.7
45°	3580.4	3545.5	3483.7	3478.9	3570.9	3572.5	3409.1	3356.8	3382.2	3426.6	3490.0
47.5°	3620.1	3604.2	3569.3	3561.4	3613.8	3601.1	3499.5	3477.3	3501.1	3513.8	3550.3
50°	3718.5	3718.5	3723.2	3729.6	3783.5	3770.8	3699.4	3674.0	3643.9	3599.5	3610.6
52.5°	3994.5	4005.6	4051.6	4102.4	4200.7	4242.0	4126.2	3978.6	3834.3	3737.5	3737.5
55°	4492.6	4503.7	4557.7	4643.3	4824.2	4922.5	4652.8	4327.6	4129.3	3997.7	4015.1
57.5°	4767.1	4779.7	4890.8	5122.4	5473.0	5639.6	5060.5	4578.3	4300.7	4150.0	4162.6
58°	4749.6	4757.5	4882.9	5154.1	5544.4	5723.6	5089.1	4570.3	4278.5	4124.6	4140.4
60°	4219.8	4208.7	4408.5	4795.6	5346.1	5593.6	4805.1	4172.2	3832.7	3675.6	3683.6
62.5°	2758.7	2765.1	2938.0	3342.5	3770.8	4004.0	3356.8	2885.6	2612.8	2517.6	2493.8
65°	1151.7	1131.1	1237.4	1462.6	1719.6	1849.7	1589.5	1345.2	1177.1	1113.6	1131.1
67.5°	296.7	288.7	295.1	369.6	452.1	534.6	448.9	342.7	298.2	301.4	301.4
70°	168.2	158.6	128.5	119.0	115.8	115.8	115.8	115.8	133.3	157.1	161.8
72.5°	126.9	119.0	93.6	80.9	71.4	66.6	69.8	80.9	96.8	117.4	120.6
75°	63.5	63.5	57.1	53.9	47.6	44.4	46.0	50.8	58.7	66.6	65.0
77.5°	12.7	14.3	15.9	19.0	15.9	15.9	15.9	19.0	19.0	20.6	19.0
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)