

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: P635874

Luminaire Tested: GWS-SA3E-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635874  
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-SA3E-760-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11676.1 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
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

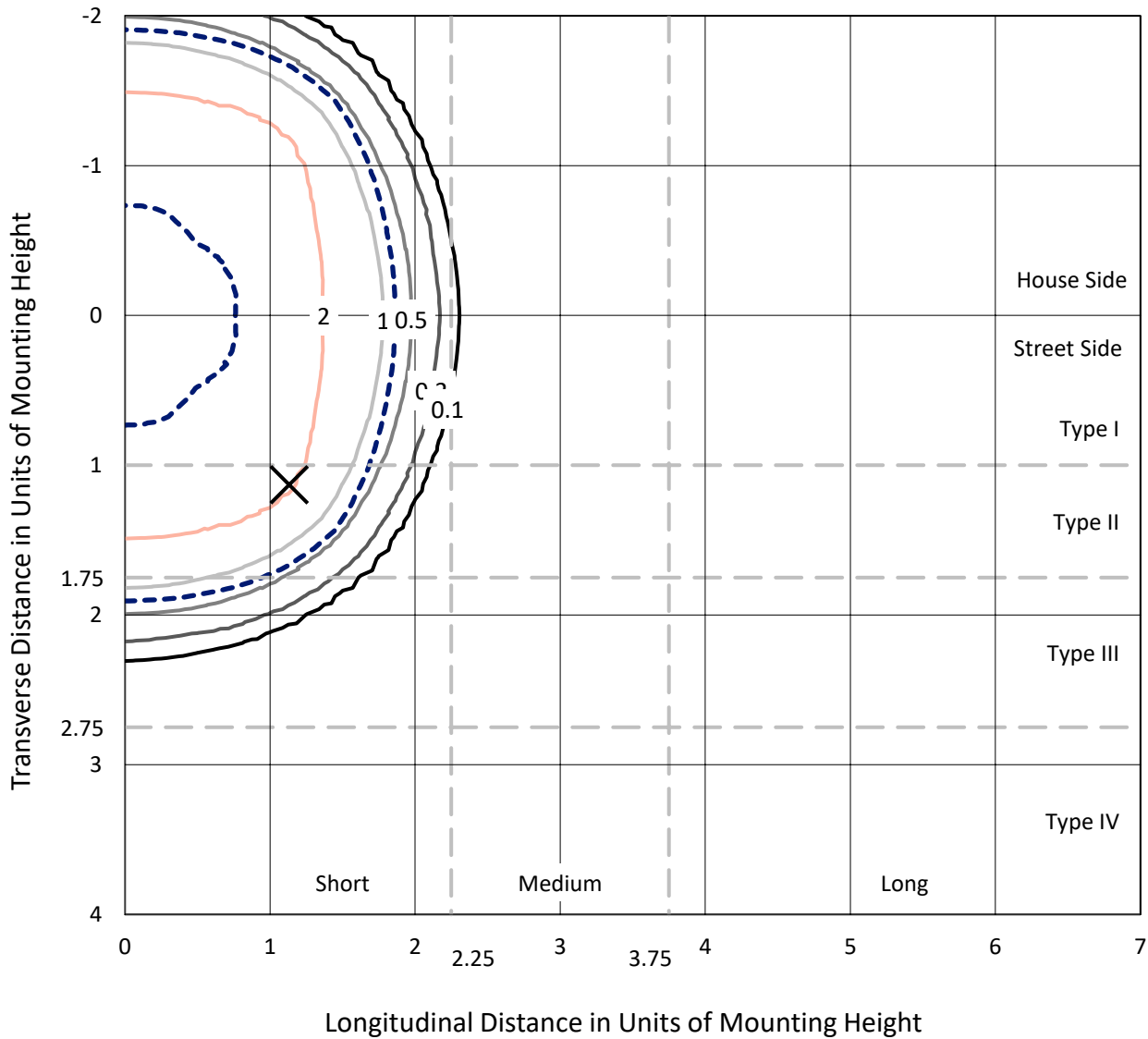


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

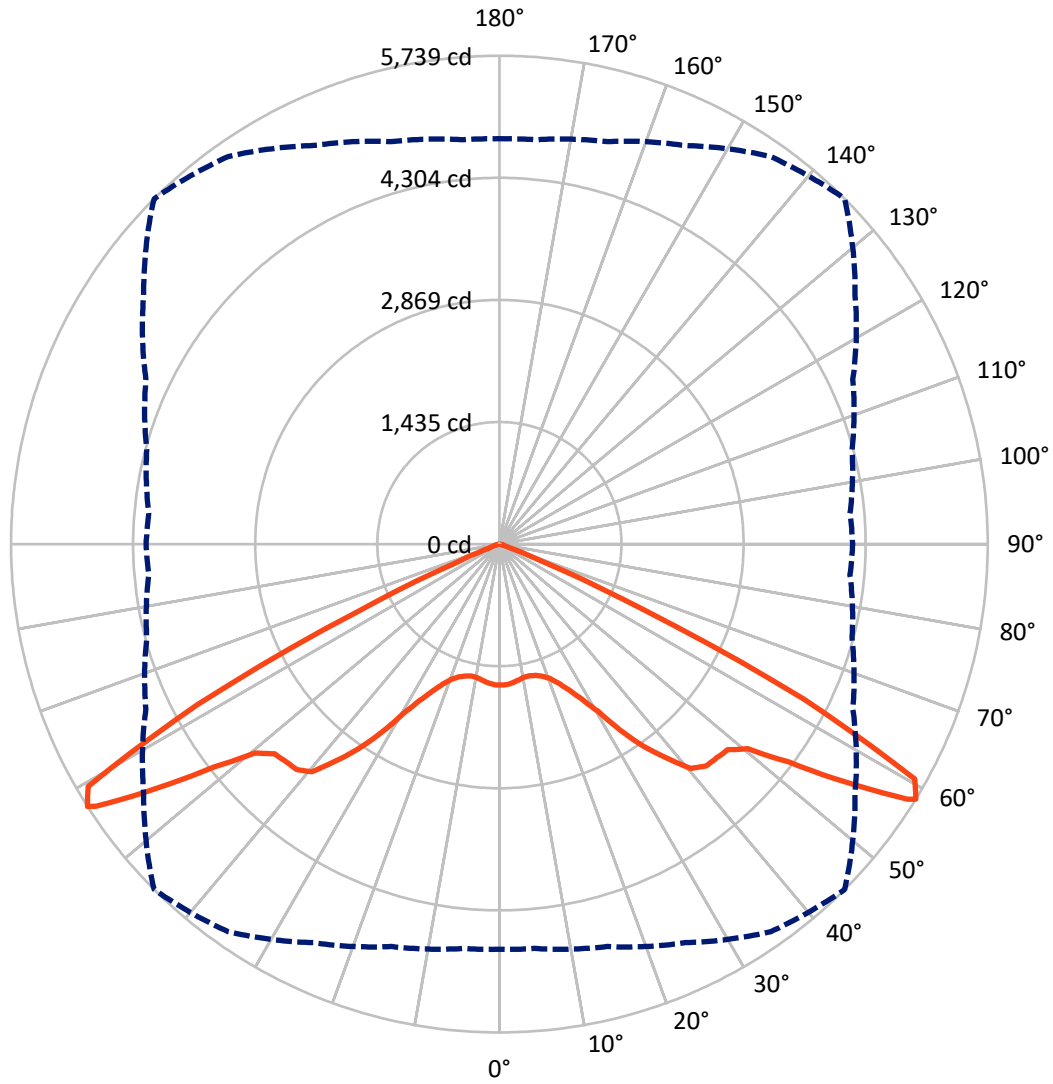


Based on 20 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

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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
<b>House Side</b>	Lumens	5838.0	0.0	5838.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5838.0	0.0	5838.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11676.1	0.0	11676.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.5	1.3
10°-20°	457.1	3.9
20°-30°	864.5	7.4
30°-40°	1705.1	14.6
40°-50°	2698.3	23.1
50°-60°	3966.3	34.0
60°-70°	1770.4	15.2
70°-80°	59.3	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°	11676.1	100.0
0°-180°	11676.1	100.0

**Coefficient of Utilization**



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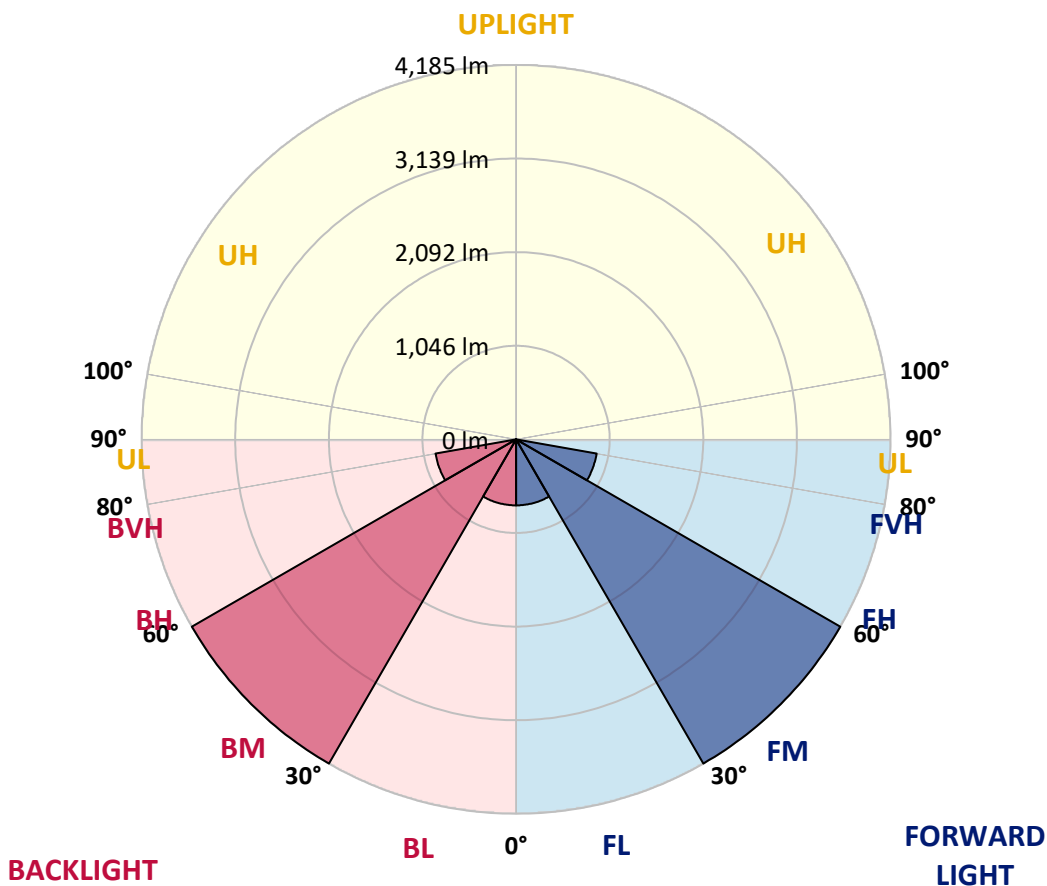
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	738.1	6.3			
FM (30°-60°)	4184.9	35.8			
FH (60°-80°)	914.9	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	738.1	6.3	B2/1000		
BM (30°-60°)	4184.9	35.8	B3/5000		
BH (60°-80°)	914.9	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°	1655.8	1655.8	1655.8	1655.8	1655.8	1655.8	1655.8	1655.8	1655.8	1655.8	1655.8
2.5°	1639.9	1643.1	1646.3	1647.9	1649.5	1654.2	1655.8	1651.1	1651.1	1641.5	1652.6
5°	1632.0	1635.1	1638.3	1636.7	1636.7	1636.7	1635.1	1628.8	1627.2	1617.7	1628.8
7.5°	1617.7	1620.8	1620.8	1616.1	1612.9	1612.9	1611.3	1603.3	1601.7	1592.2	1603.3
10°	1606.5	1608.1	1606.5	1597.0	1590.6	1590.6	1589.0	1585.8	1587.4	1581.1	1590.6
12.5°	1612.9	1614.5	1608.1	1595.4	1587.4	1585.8	1581.1	1576.3	1581.1	1579.5	1589.0
15°	1633.6	1635.1	1624.0	1608.1	1601.7	1601.7	1589.0	1576.3	1582.7	1584.2	1595.4
17.5°	1659.0	1659.0	1644.7	1630.4	1632.0	1632.0	1611.3	1589.0	1590.6	1597.0	1608.1
20°	1689.2	1689.2	1674.9	1671.7	1682.9	1684.5	1659.0	1624.0	1616.1	1620.8	1633.6
22.5°	1743.3	1743.3	1732.2	1740.1	1765.6	1773.5	1735.4	1686.0	1667.0	1670.1	1682.9
25°	1827.6	1827.6	1824.4	1843.5	1880.1	1897.6	1846.7	1781.5	1749.7	1744.9	1759.2
27.5°	1969.2	1970.8	1966.0	1994.6	2040.8	2061.4	1991.4	1905.6	1867.4	1859.4	1873.7
30°	2152.1	2152.1	2153.7	2193.5	2253.9	2280.9	2188.7	2088.5	2043.9	2018.5	2037.6
32.5°	2355.7	2358.9	2374.8	2441.6	2548.2	2603.8	2468.6	2328.7	2257.1	2230.0	2250.7
35°	2691.3	2661.1	2642.0	2691.3	2845.6	2918.8	2745.4	2581.6	2527.5	2524.3	2576.8
37.5°	3023.8	3006.3	2966.5	3017.4	3155.8	3189.2	2998.3	2861.5	2823.3	2844.0	2896.5
40°	3287.8	3256.0	3203.5	3251.2	3432.5	3465.9	3230.5	3095.3	3081.0	3127.1	3198.7
42.5°	3496.2	3451.6	3381.6	3392.8	3539.1	3563.0	3354.6	3252.8	3262.3	3319.6	3400.7
45°	3590.0	3555.0	3493.0	3488.2	3580.5	3582.1	3418.2	3365.7	3391.2	3435.7	3499.3
47.5°	3629.8	3613.9	3578.9	3570.9	3623.4	3610.7	3508.9	3486.6	3510.5	3523.2	3559.8
50°	3728.4	3728.4	3733.2	3739.5	3793.6	3780.9	3709.3	3683.9	3653.6	3609.1	3620.2
52.5°	4005.2	4016.3	4062.4	4113.3	4211.9	4253.3	4137.2	3989.3	3844.5	3747.5	3747.5
55°	4504.6	4515.7	4569.8	4655.7	4837.0	4935.7	4665.3	4339.2	4140.4	4008.3	4025.8
57.5°	4779.8	4792.5	4903.9	5136.1	5487.6	5654.6	5074.1	4590.5	4312.1	4161.0	4173.8
58°	4762.3	4770.2	4895.9	5167.9	5559.2	5738.9	5102.7	4582.6	4289.9	4135.6	4151.5
60°	4231.0	4219.9	4420.3	4808.4	5360.4	5608.5	4818.0	4183.3	3842.9	3685.4	3693.4
62.5°	2766.1	2772.4	2945.8	3351.4	3780.9	4014.7	3365.7	2893.3	2619.7	2524.3	2500.4
65°	1154.8	1134.1	1240.7	1466.5	1724.2	1854.7	1593.8	1348.8	1180.2	1116.6	1134.1
67.5°	297.4	289.5	295.9	370.6	453.3	536.0	450.1	343.6	299.0	302.2	302.2
70°	168.6	159.1	128.8	119.3	116.1	116.1	116.1	116.1	133.6	157.5	162.2
72.5°	127.2	119.3	93.8	81.1	71.6	66.8	70.0	81.1	97.0	117.7	120.9
75°	63.6	63.6	57.3	54.1	47.7	44.5	46.1	50.9	58.9	66.8	65.2
77.5°	12.7	14.3	15.9	19.1	15.9	15.9	15.9	19.1	19.1	20.7	19.1
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)