

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: P632348

Luminaire Tested: GWS-SA2C-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-750-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5784.5 lumens  
Efficiency: N/A  
Efficacy: 91.5 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): 63.2  
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

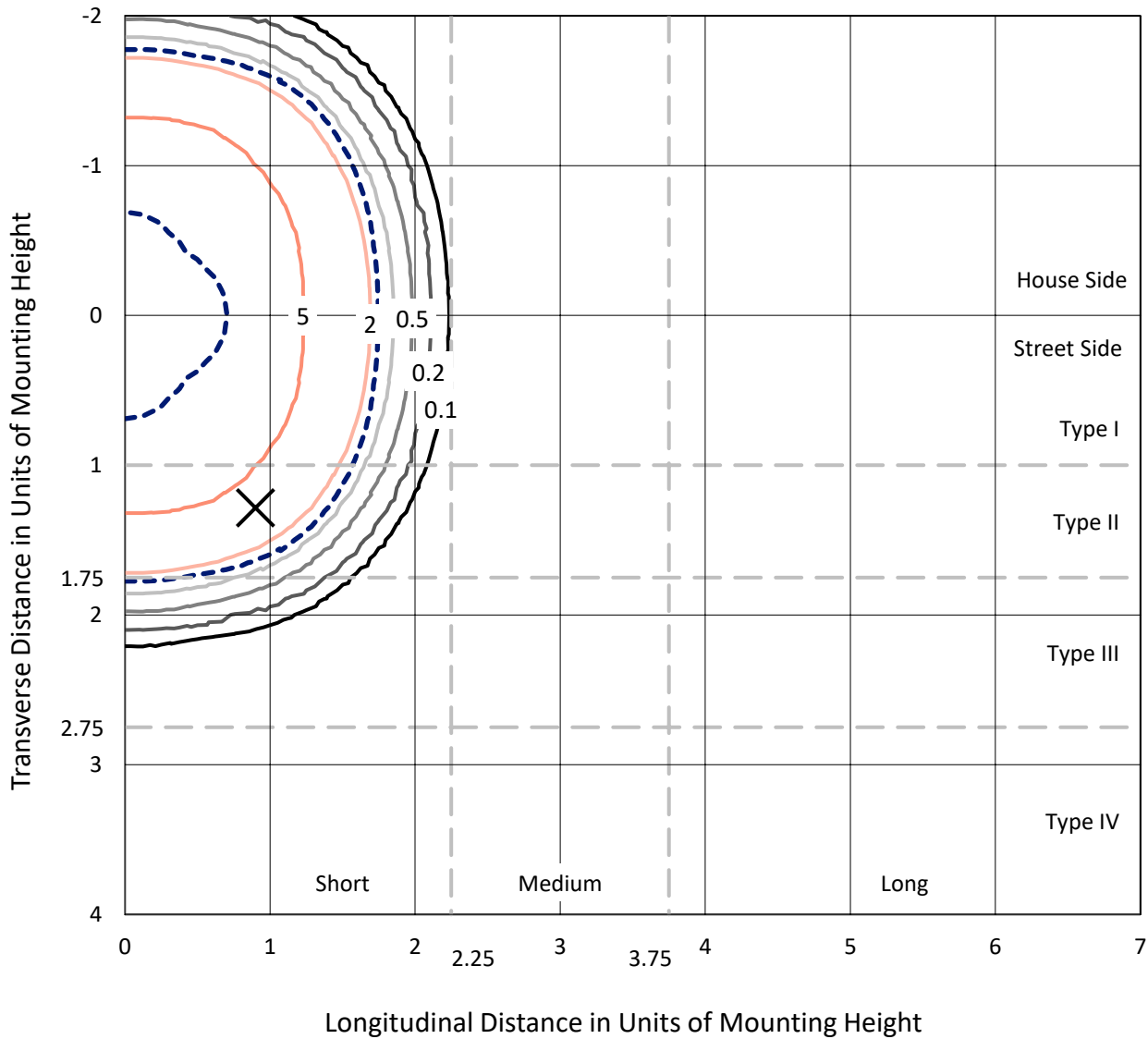


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### Iso-Footcandle Lines of Horizontal Illumination

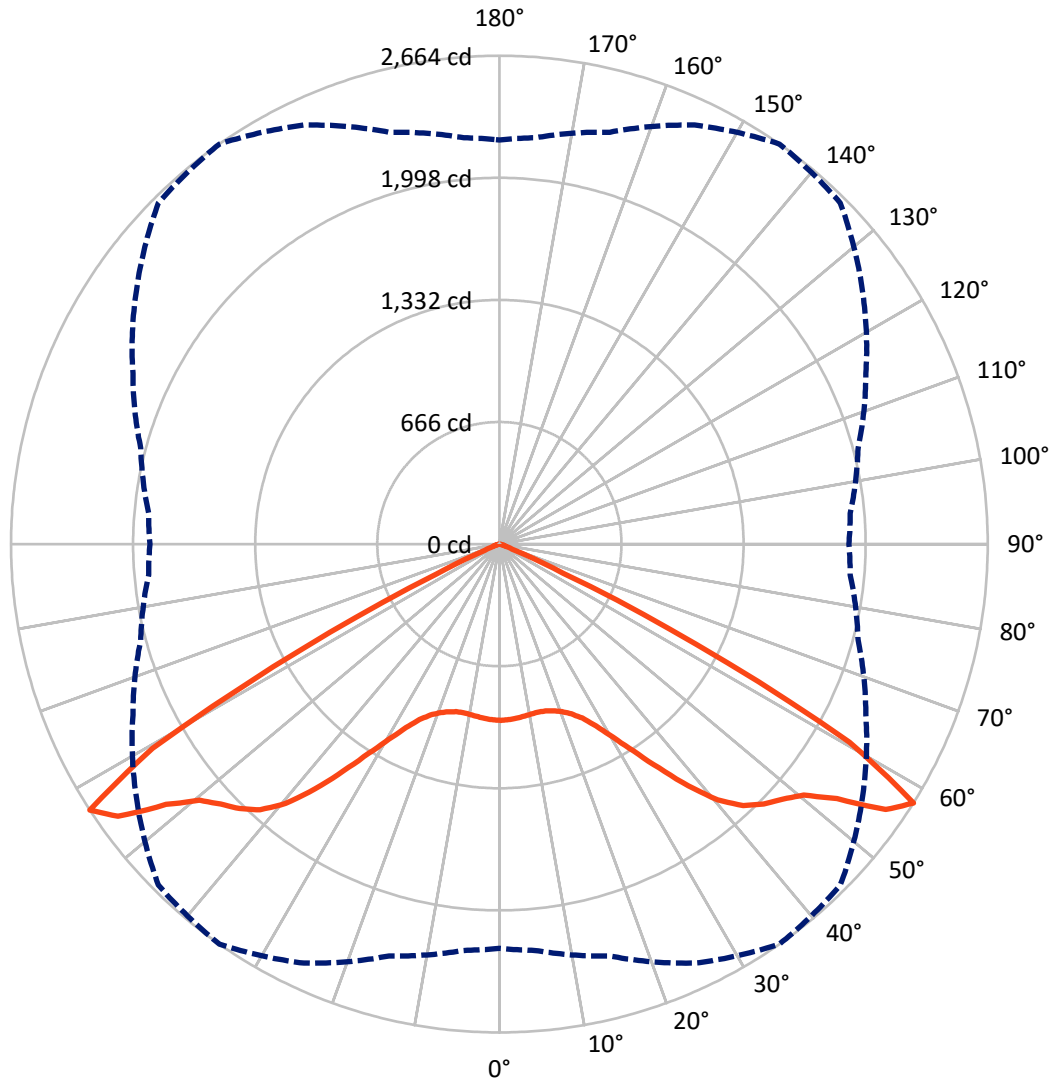
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2892.3	0.0	2892.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2892.3	0.0	2892.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5784.5	0.0	5784.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.6	1.6
10°-20°	266.5	4.6
20°-30°	481.8	8.3
30°-40°	898.8	15.5
40°-50°	1507.7	26.1
50°-60°	1991.1	34.4
60°-70°	528.8	9.1
70°-80°	18.8	0.3
80°-90°	0.3	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°	5784.5	100.0
0°-180°	5784.5	100.0

**Coefficient of Utilization**



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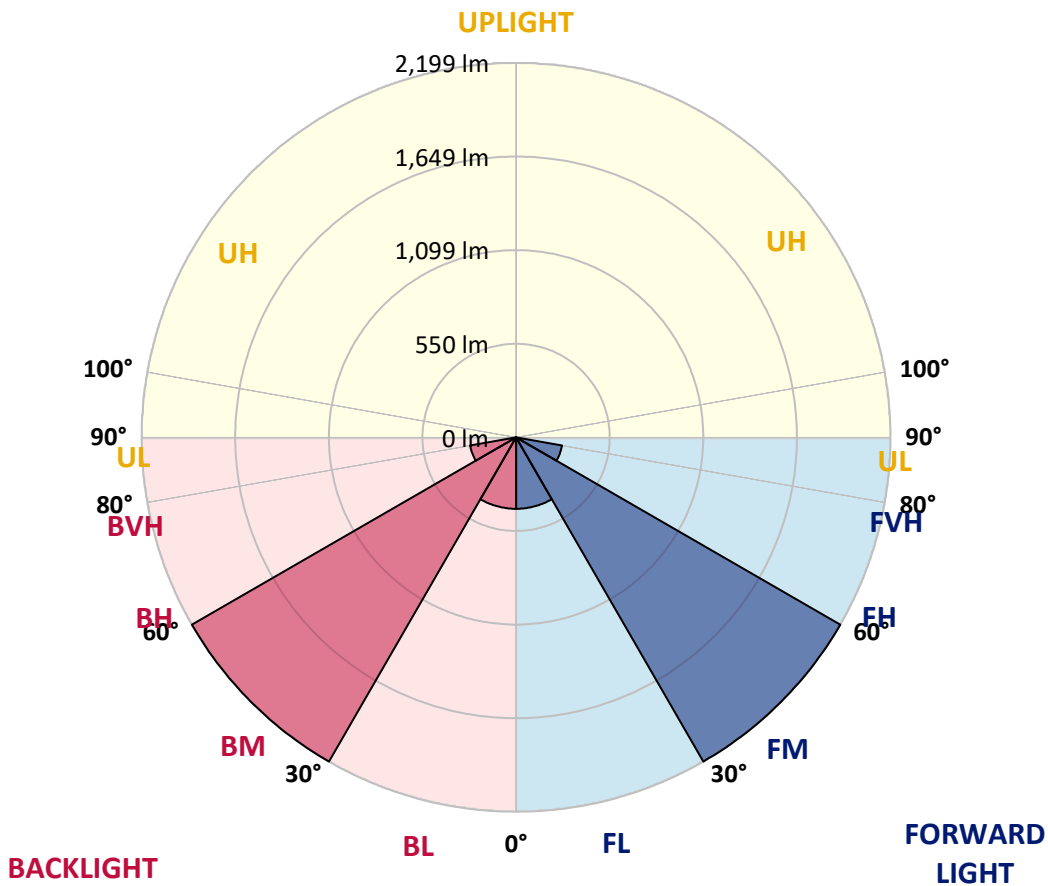
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	419.5	7.3			
FM (30°-60°)	2198.8	38.0			
FH (60°-80°)	273.8	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	419.5	7.3	B1/500		
BM (30°-60°)	2198.8	38.0	B2/2500		
BH (60°-80°)	273.8	4.7	B1/500		G0/660
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: 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°	961.7	961.7	961.7	961.7	961.7	961.7	961.7	961.7	961.7	961.7	961.7
2.5°	954.9	954.3	957.0	959.0	959.0	963.8	962.4	961.0	959.7	957.7	962.4
5°	953.6	952.9	954.9	956.3	954.9	959.0	956.3	953.6	952.2	949.5	954.9
7.5°	947.5	948.2	949.5	950.9	948.8	952.2	948.8	944.8	941.4	938.6	943.4
10°	938.0	938.6	940.0	942.7	943.4	948.2	943.4	935.9	931.2	927.1	931.9
12.5°	933.2	933.9	935.9	939.3	940.0	946.1	940.0	929.1	922.4	917.6	922.4
15°	934.6	935.9	938.6	942.7	944.1	950.2	942.0	927.8	918.3	912.2	916.3
17.5°	939.3	940.7	944.8	951.5	956.3	962.4	952.2	933.9	921.0	912.2	916.3
20°	945.4	947.5	954.3	965.1	975.3	986.2	973.3	948.2	931.2	920.3	923.7
22.5°	962.4	964.4	973.9	988.2	1005.2	1018.7	1003.1	971.2	948.2	933.9	937.3
25°	997.0	999.1	1011.3	1029.6	1051.3	1069.0	1049.3	1009.2	979.4	963.1	964.4
27.5°	1051.3	1053.4	1067.6	1093.4	1122.6	1147.7	1119.2	1072.4	1038.4	1019.4	1019.4
30°	1119.9	1122.6	1141.6	1176.2	1221.7	1254.9	1216.2	1159.2	1115.8	1090.0	1090.7
32.5°	1208.1	1205.4	1232.5	1280.0	1344.5	1388.6	1331.6	1262.4	1208.8	1172.8	1176.2
35°	1321.4	1320.8	1351.3	1415.8	1499.9	1552.9	1485.0	1395.4	1330.9	1294.3	1295.0
37.5°	1467.4	1466.7	1502.0	1571.9	1673.0	1717.1	1641.1	1550.2	1480.9	1445.6	1449.7
40°	1638.4	1634.3	1665.5	1732.7	1833.9	1862.4	1779.6	1706.3	1639.8	1617.4	1628.2
42.5°	1801.3	1792.5	1810.8	1871.9	1949.9	1954.0	1891.6	1841.3	1795.9	1778.2	1785.0
45°	1932.3	1925.5	1942.5	1977.7	2022.5	2002.2	1972.3	1956.7	1920.1	1901.1	1907.2
47.5°	2030.0	2030.0	2050.4	2072.1	2078.9	2041.5	2046.3	2046.3	2009.6	1979.8	1972.3
50°	2114.2	2120.3	2150.8	2173.2	2150.8	2103.3	2130.5	2125.0	2050.4	1990.6	1975.0
52.5°	2248.6	2254.7	2301.5	2332.0	2306.9	2260.1	2263.5	2195.6	2085.7	2015.1	1990.6
55°	2391.1	2406.0	2473.9	2555.3	2556.0	2507.8	2418.2	2298.1	2164.4	2087.7	2062.6
57.5°	2204.4	2224.8	2325.9	2522.1	2663.9	2630.7	2416.9	2205.8	2025.3	1920.7	1906.5
60°	1516.9	1552.2	1653.3	1921.4	2194.9	2207.8	1955.3	1718.5	1511.5	1382.5	1385.2
62.5°	640.7	676.7	733.7	954.3	1205.4	1221.0	1098.8	929.1	760.1	667.2	681.4
65°	150.7	160.9	177.8	264.0	382.8	400.4	369.2	287.8	212.4	179.9	183.3
67.5°	65.8	67.2	63.8	67.9	84.2	86.2	83.5	73.3	69.2	70.6	70.6
70°	46.2	46.8	44.1	42.1	40.0	37.3	38.7	42.8	46.2	48.9	48.2
72.5°	28.5	29.2	29.9	29.9	27.8	25.1	26.5	29.2	29.9	30.5	29.9
75°	14.3	14.9	16.3	17.0	16.3	15.6	15.6	16.3	16.3	15.6	15.6
77.5°	2.7	3.4	4.8	5.4	5.4	5.4	5.4	5.4	6.1	5.4	5.4
80°	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
82.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
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)