

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: P634884

Luminaire Tested: GWS-SA3C-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634884
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-SA3C-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: 7406.3 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 93
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

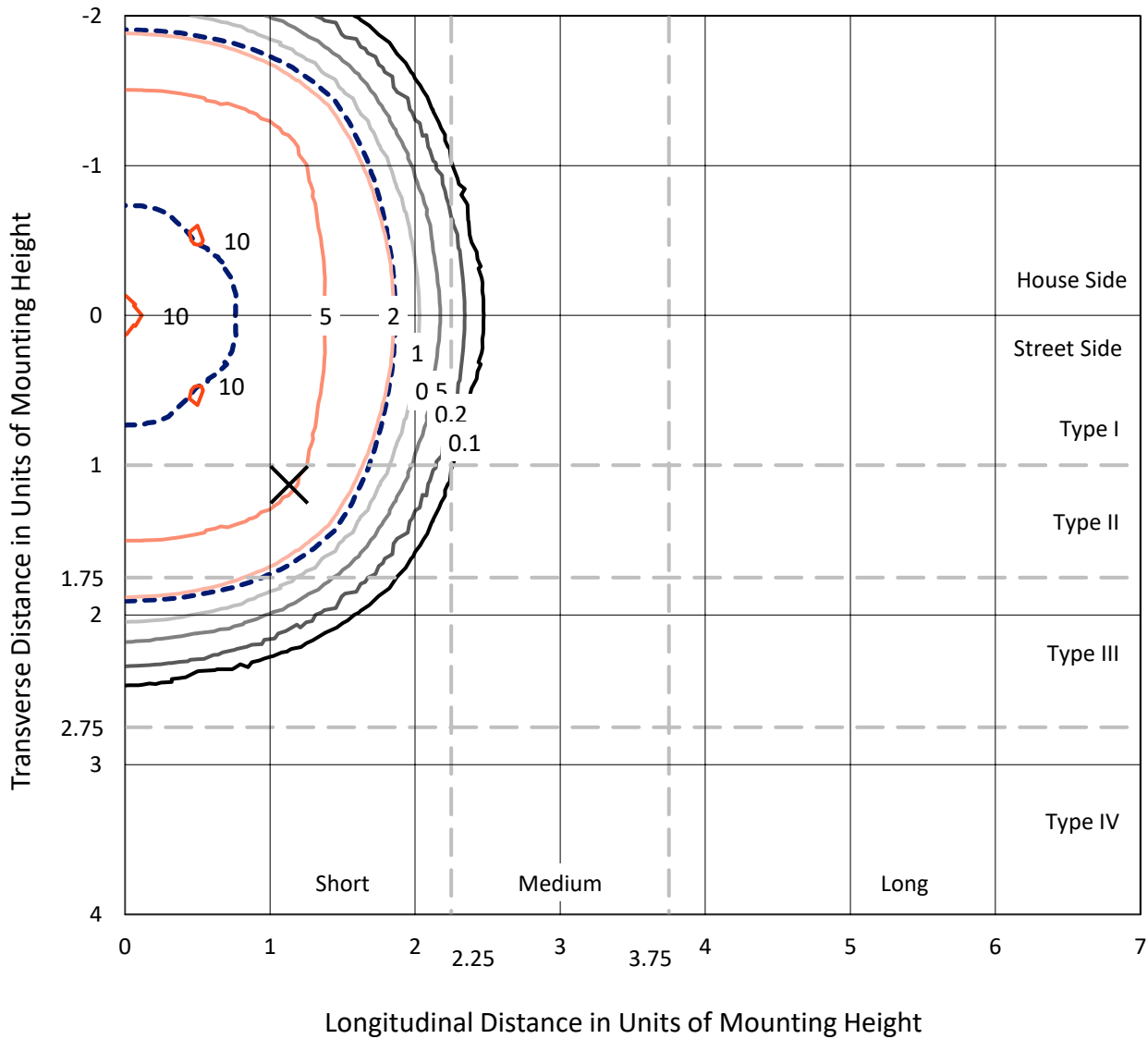


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Iso-Footcandle Lines of Horizontal Illumination

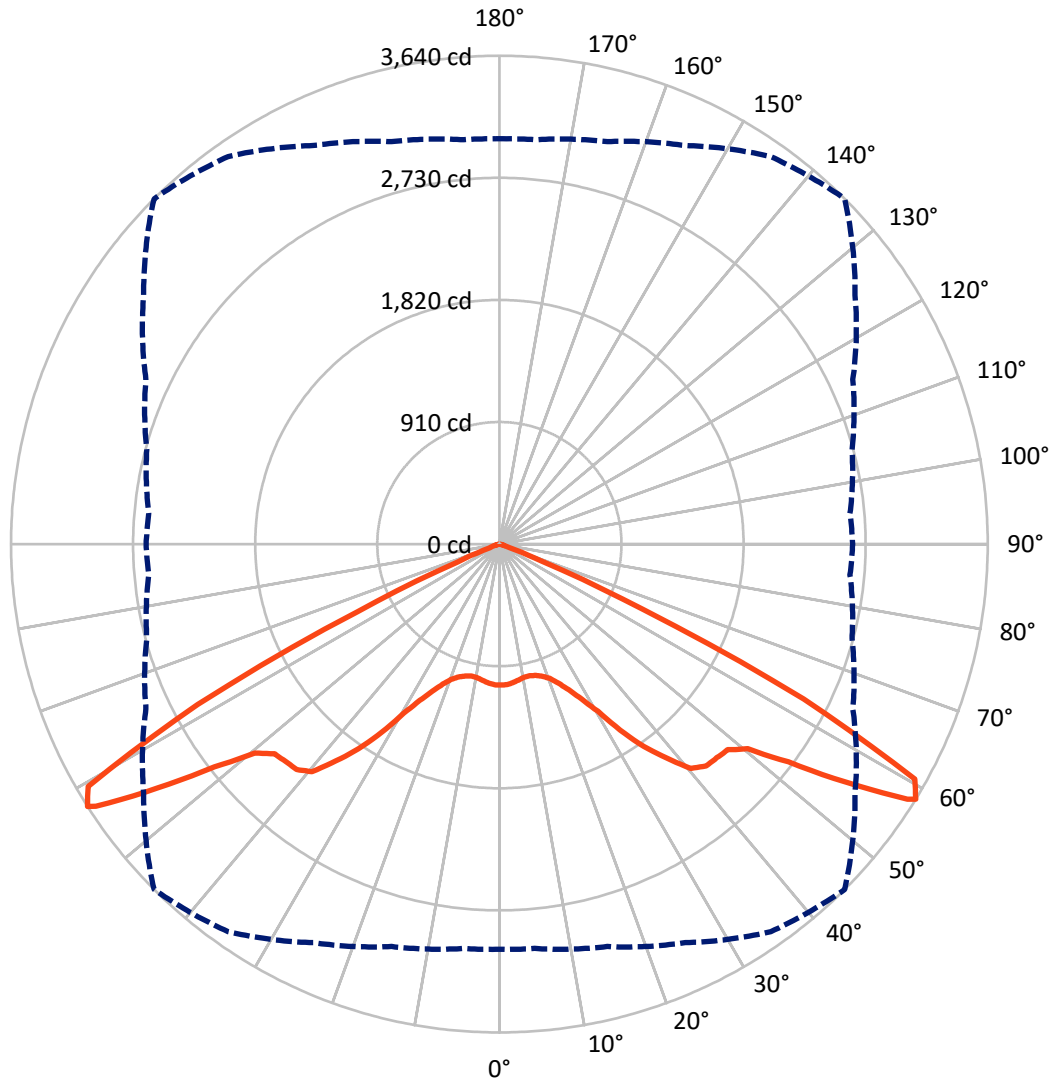
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 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	3703.2	0.0	3703.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3703.2	0.0	3703.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7406.3	0.0	7406.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	1.3
10°-20°	290.0	3.9
20°-30°	548.4	7.4
30°-40°	1081.6	14.6
40°-50°	1711.6	23.1
50°-60°	2515.9	34.0
60°-70°	1123.0	15.2
70°-80°	37.6	0.5
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°	7406.3	100.0
0°-180°	7406.3	100.0

Coefficient of Utilization



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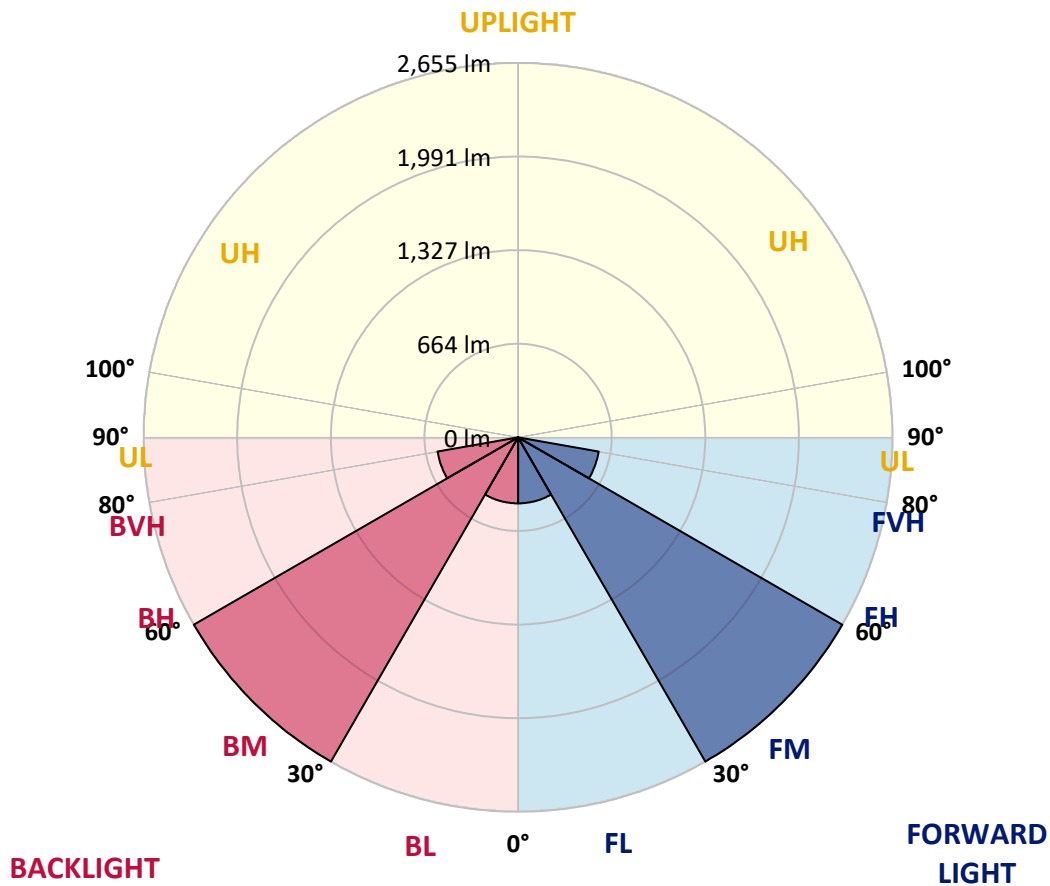
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	468.2	6.3			
FM (30°-60°)	2654.5	35.8			
FH (60°-80°)	580.3	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	468.2	6.3	B1/500		
BM (30°-60°)	2654.5	35.8	B3/5000		
BH (60°-80°)	580.3	7.8	B2/1000		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: 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°	1050.3	1050.3	1050.3	1050.3	1050.3	1050.3	1050.3	1050.3	1050.3	1050.3	1050.3
2.5°	1040.2	1042.2	1044.3	1045.3	1046.3	1049.3	1050.3	1047.3	1047.3	1041.2	1048.3
5°	1035.2	1037.2	1039.2	1038.2	1038.2	1038.2	1037.2	1033.2	1032.2	1026.1	1033.2
7.5°	1026.1	1028.1	1028.1	1025.1	1023.1	1023.1	1022.1	1017.0	1016.0	1010.0	1017.0
10°	1019.0	1020.0	1019.0	1013.0	1008.9	1008.9	1007.9	1005.9	1006.9	1002.9	1008.9
12.5°	1023.1	1024.1	1020.0	1012.0	1006.9	1005.9	1002.9	999.9	1002.9	1001.9	1007.9
15°	1036.2	1037.2	1030.1	1020.0	1016.0	1016.0	1007.9	999.9	1003.9	1004.9	1012.0
17.5°	1052.3	1052.3	1043.2	1034.2	1035.2	1035.2	1022.1	1007.9	1008.9	1013.0	1020.0
20°	1071.5	1071.5	1062.4	1060.4	1067.5	1068.5	1052.3	1030.1	1025.1	1028.1	1036.2
22.5°	1105.8	1105.8	1098.7	1103.8	1119.9	1125.0	1100.8	1069.5	1057.4	1059.4	1067.5
25°	1159.3	1159.3	1157.3	1169.4	1192.6	1203.7	1171.4	1130.0	1109.8	1106.8	1115.9
27.5°	1249.1	1250.1	1247.1	1265.2	1294.5	1307.6	1263.2	1208.7	1184.5	1179.5	1188.5
30°	1365.1	1365.1	1366.1	1391.3	1429.7	1446.8	1388.3	1324.7	1296.5	1280.4	1292.5
32.5°	1494.2	1496.3	1506.4	1548.7	1616.3	1651.6	1565.9	1477.1	1431.7	1414.5	1427.7
35°	1707.1	1688.0	1675.9	1707.1	1805.0	1851.4	1741.4	1637.5	1603.2	1601.2	1634.5
37.5°	1918.0	1906.9	1881.7	1914.0	2001.7	2022.9	1901.9	1815.1	1790.9	1804.0	1837.3
40°	2085.5	2065.3	2032.0	2062.3	2177.3	2198.5	2049.2	1963.4	1954.3	1983.6	2029.0
42.5°	2217.7	2189.4	2145.0	2152.1	2244.9	2260.0	2127.9	2063.3	2069.3	2105.7	2157.1
45°	2277.2	2255.0	2215.6	2212.6	2271.1	2272.1	2168.2	2134.9	2151.1	2179.3	2219.7
47.5°	2302.4	2292.3	2270.1	2265.1	2298.4	2290.3	2225.7	2211.6	2226.7	2234.8	2258.0
50°	2365.0	2365.0	2368.0	2372.0	2406.3	2398.3	2352.9	2336.7	2317.5	2289.3	2296.4
52.5°	2540.5	2547.6	2576.8	2609.1	2671.7	2697.9	2624.3	2530.4	2438.6	2377.1	2377.1
55°	2857.3	2864.4	2898.7	2953.2	3068.2	3130.8	2959.2	2752.4	2626.3	2542.5	2553.6
57.5°	3031.9	3040.0	3110.6	3257.9	3480.9	3586.8	3218.5	2911.8	2735.3	2639.4	2647.5
58°	3020.8	3025.8	3105.5	3278.1	3526.3	3640.3	3236.7	2906.8	2721.1	2623.3	2633.3
60°	2683.8	2676.7	2803.9	3050.0	3400.1	3557.5	3056.1	2653.5	2437.6	2337.7	2342.8
62.5°	1754.6	1758.6	1868.6	2125.8	2398.3	2546.6	2134.9	1835.3	1661.7	1601.2	1586.1
65°	732.5	719.4	787.0	930.2	1093.7	1176.4	1011.0	855.6	748.6	708.3	719.4
67.5°	188.7	183.6	187.7	235.1	287.5	340.0	285.5	217.9	189.7	191.7	191.7
70°	106.9	100.9	81.7	75.7	73.7	73.7	73.7	73.7	84.8	99.9	102.9
72.5°	80.7	75.7	59.5	51.5	45.4	42.4	44.4	51.5	61.5	74.7	76.7
75°	40.4	40.4	36.3	34.3	30.3	28.3	29.3	32.3	37.3	42.4	41.4
77.5°	8.1	9.1	10.1	12.1	10.1	10.1	10.1	12.1	12.1	13.1	12.1
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)