

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: P634719

Luminaire Tested: GWS-SA3C-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634719
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7240.4 lumens
Efficiency: N/A
Efficacy: 77.9 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

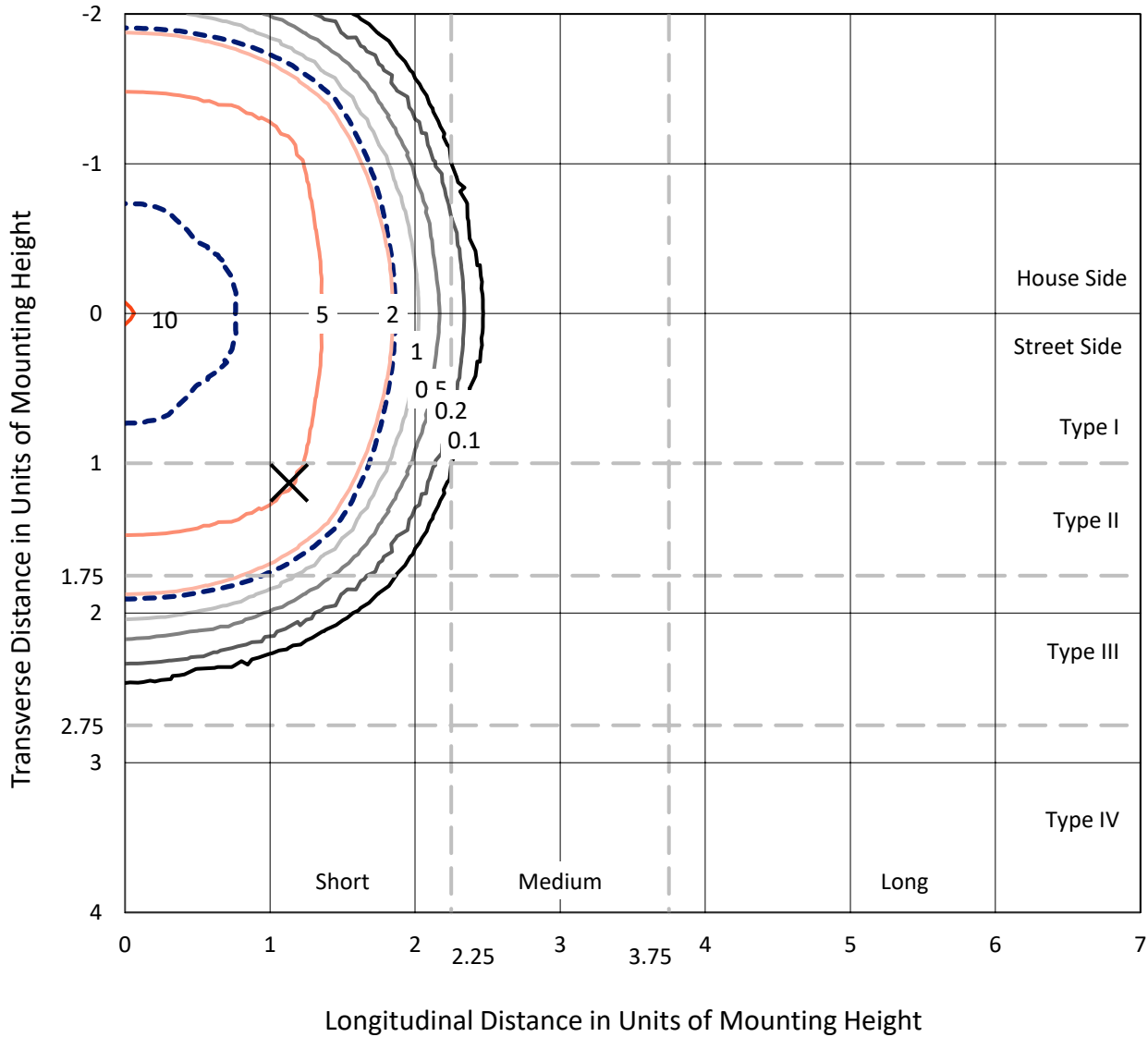


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Iso-Footcandle Lines of Horizontal Illumination

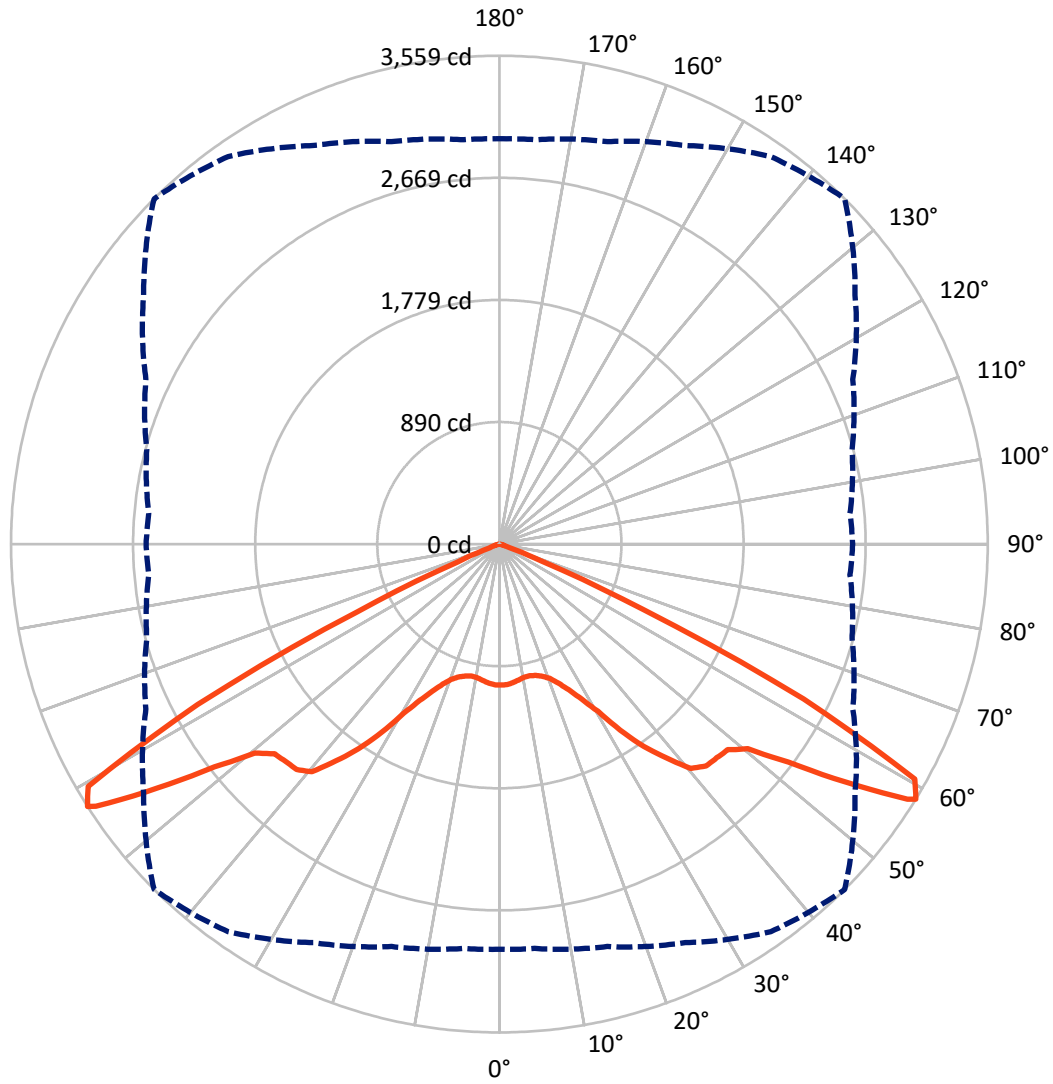
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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	3620.2	0.0	3620.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3620.2	0.0	3620.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7240.4	0.0	7240.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	1.3
10°-20°	283.5	3.9
20°-30°	536.1	7.4
30°-40°	1057.3	14.6
40°-50°	1673.2	23.1
50°-60°	2459.5	34.0
60°-70°	1097.8	15.2
70°-80°	36.8	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°	7240.4	100.0
0°-180°	7240.4	100.0

Coefficient of Utilization



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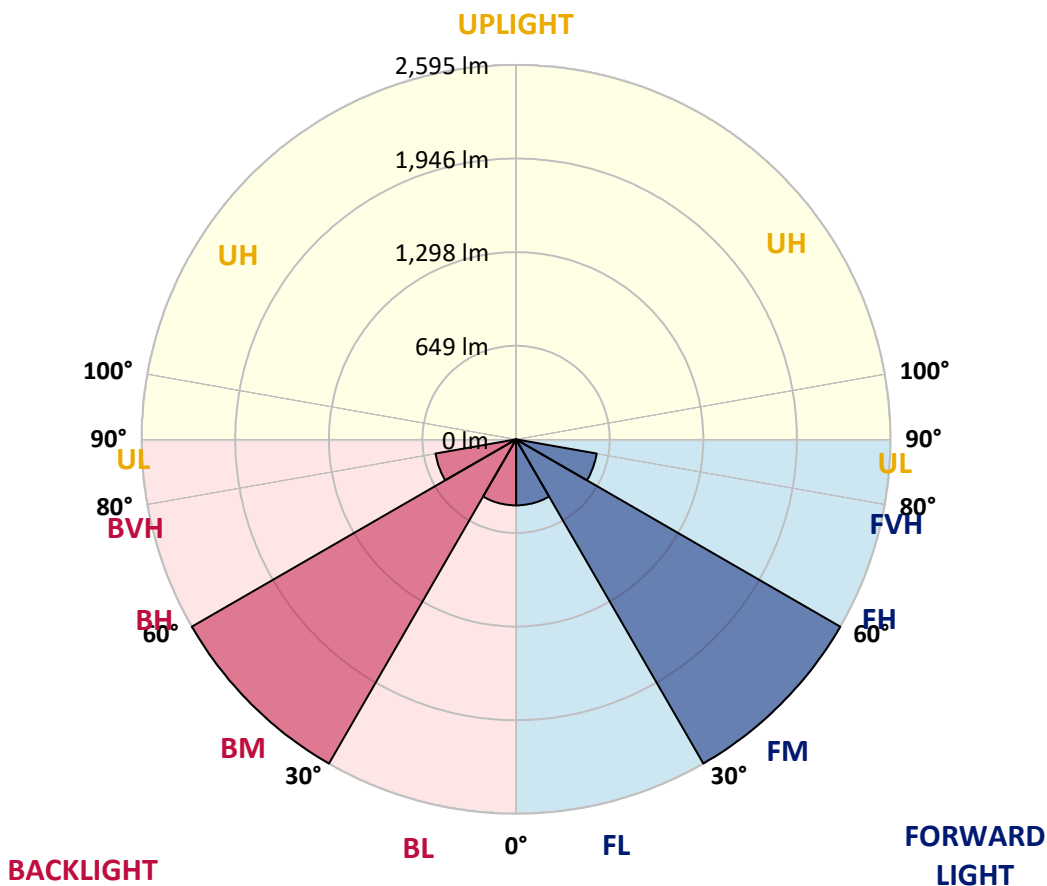
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	457.7	6.3			
FM (30°-60°)	2595.1	35.8			
FH (60°-80°)	567.3	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	457.7	6.3	B1/500		
BM (30°-60°)	2595.1	35.8	B3/5000		
BH (60°-80°)	567.3	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°	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8
2.5°	1016.9	1018.9	1020.9	1021.9	1022.8	1025.8	1026.8	1023.8	1023.8	1017.9	1024.8
5°	1012.0	1014.0	1015.9	1014.9	1014.9	1014.9	1014.0	1010.0	1009.0	1003.1	1010.0
7.5°	1003.1	1005.1	1005.1	1002.1	1000.2	1000.2	999.2	994.2	993.2	987.3	994.2
10°	996.2	997.2	996.2	990.3	986.3	986.3	985.4	983.4	984.4	980.4	986.3
12.5°	1000.2	1001.1	997.2	989.3	984.4	983.4	980.4	977.5	980.4	979.4	985.4
15°	1013.0	1014.0	1007.1	997.2	993.2	993.2	985.4	977.5	981.4	982.4	989.3
17.5°	1028.8	1028.8	1019.9	1011.0	1012.0	1012.0	999.2	985.4	986.3	990.3	997.2
20°	1047.5	1047.5	1038.6	1036.6	1043.6	1044.5	1028.8	1007.1	1002.1	1005.1	1013.0
22.5°	1081.0	1081.0	1074.1	1079.1	1094.8	1099.8	1076.1	1045.5	1033.7	1035.7	1043.6
25°	1133.3	1133.3	1131.3	1143.2	1165.9	1176.7	1145.1	1104.7	1085.0	1082.0	1090.9
27.5°	1221.1	1222.1	1219.1	1236.9	1265.5	1278.3	1234.9	1181.6	1158.0	1153.0	1161.9
30°	1334.5	1334.5	1335.5	1360.2	1397.7	1414.4	1357.2	1295.1	1267.5	1251.7	1263.5
32.5°	1460.8	1462.7	1472.6	1514.0	1580.1	1614.6	1530.8	1444.0	1399.6	1382.9	1395.7
35°	1668.9	1650.2	1638.3	1668.9	1764.6	1809.9	1702.4	1600.8	1567.3	1565.3	1597.9
37.5°	1875.0	1864.2	1839.5	1871.1	1956.9	1977.6	1859.3	1774.4	1750.8	1763.6	1796.1
40°	2038.8	2019.0	1986.5	2016.1	2128.5	2149.2	2003.3	1919.4	1910.6	1939.2	1983.5
42.5°	2168.0	2140.4	2097.0	2103.9	2194.6	2209.4	2080.2	2017.1	2023.0	2058.5	2108.8
45°	2226.2	2204.5	2166.0	2163.1	2220.3	2221.2	2119.7	2087.1	2102.9	2130.5	2170.0
47.5°	2250.8	2241.0	2219.3	2214.3	2246.9	2239.0	2175.9	2162.1	2176.9	2184.8	2207.4
50°	2312.0	2312.0	2315.0	2318.9	2352.4	2344.5	2300.2	2284.4	2265.6	2238.0	2244.9
52.5°	2483.6	2490.5	2519.1	2550.7	2611.8	2637.5	2565.5	2473.8	2384.0	2323.8	2323.8
55°	2793.3	2800.2	2833.8	2887.0	2999.5	3060.6	2892.9	2690.7	2567.5	2485.6	2496.4
57.5°	2964.0	2971.9	3040.9	3184.9	3402.9	3506.5	3146.4	2846.6	2674.0	2580.3	2588.2
58°	2953.1	2958.0	3036.0	3204.6	3447.3	3558.7	3164.2	2841.7	2660.2	2564.5	2574.4
60°	2623.7	2616.8	2741.1	2981.7	3324.0	3477.9	2987.6	2594.1	2383.0	2285.4	2290.3
62.5°	1715.3	1719.2	1826.7	2078.2	2344.5	2489.5	2087.1	1794.2	1624.5	1565.3	1550.5
65°	716.1	703.3	769.3	909.4	1069.2	1150.1	988.3	836.4	731.9	692.4	703.3
67.5°	184.4	179.5	183.5	229.8	281.1	332.4	279.1	213.1	185.4	187.4	187.4
70°	104.6	98.6	79.9	74.0	72.0	72.0	72.0	72.0	82.9	97.6	100.6
72.5°	78.9	74.0	58.2	50.3	44.4	41.4	43.4	50.3	60.2	73.0	75.0
75°	39.5	39.5	35.5	33.5	29.6	27.6	28.6	31.6	36.5	41.4	40.4
77.5°	7.9	8.9	9.9	11.8	9.9	9.9	9.9	11.8	11.8	12.8	11.8
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)