

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: P632851

Luminaire Tested: GWS-SA2D-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12108.5 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

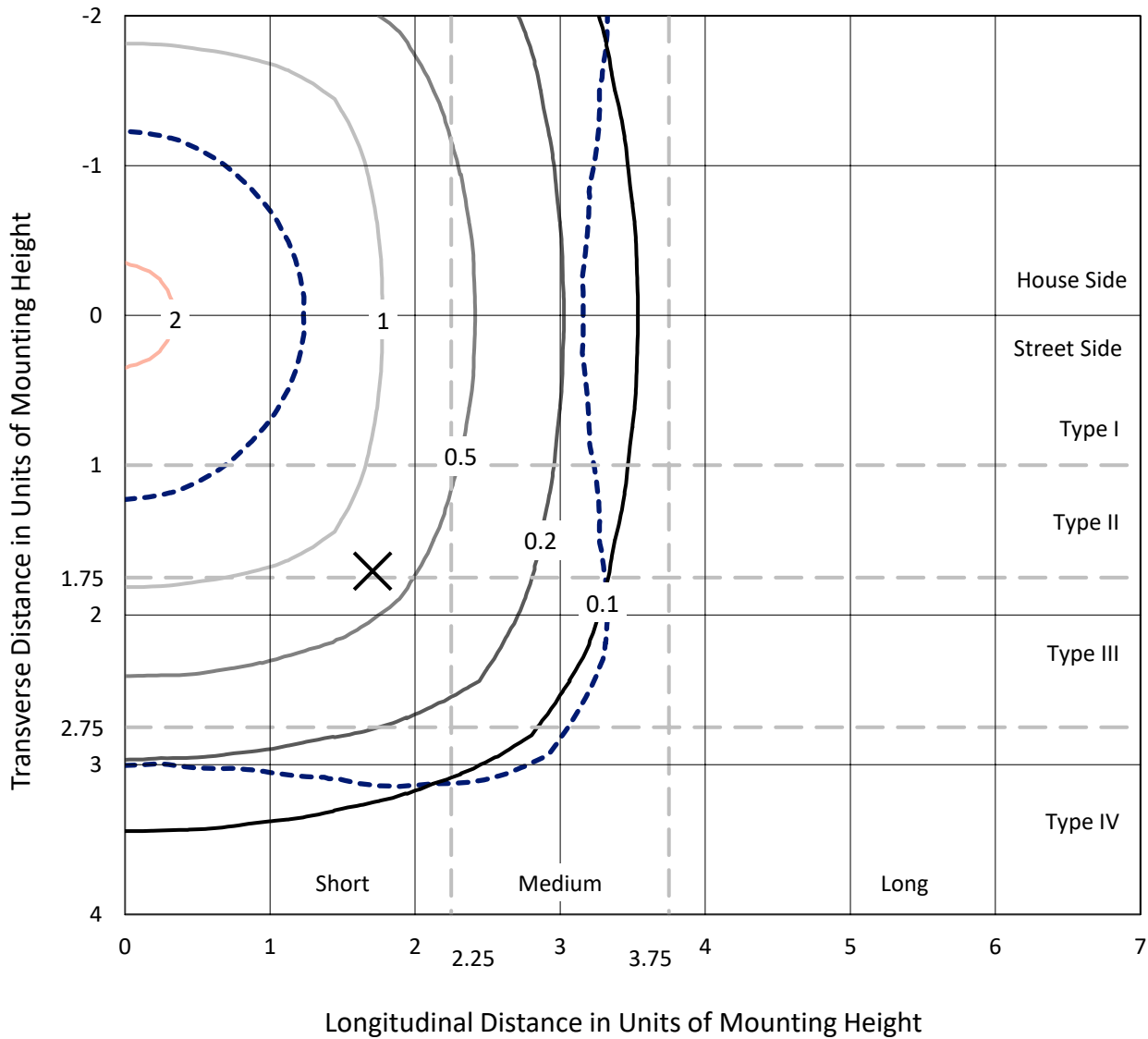
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

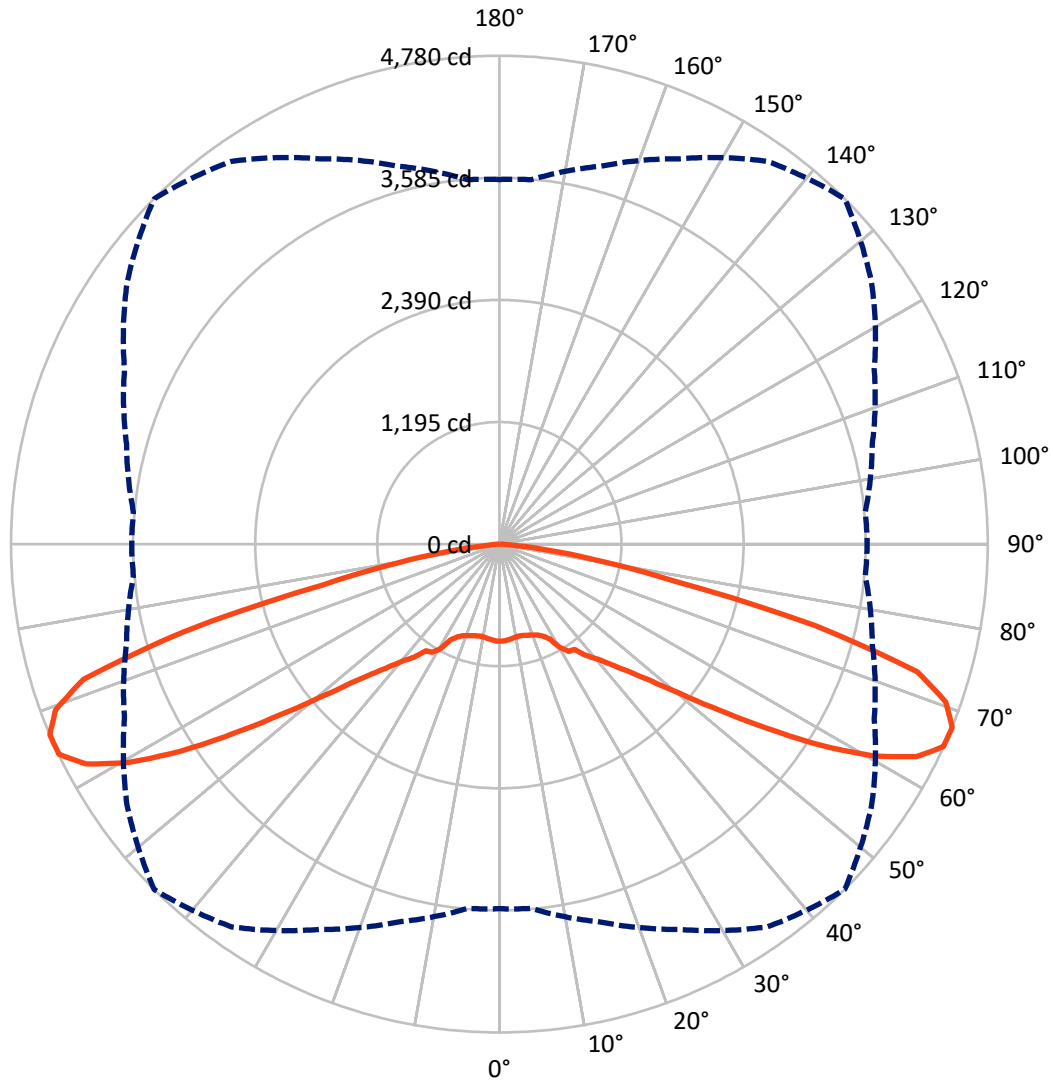
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6054.3	0.0	6054.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6054.3	0.0	6054.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12108.5	0.0	12108.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	0.7
10°-20°	264.6	2.2
20°-30°	474.6	3.9
30°-40°	801.8	6.6
40°-50°	1408.7	11.6
50°-60°	2717.4	22.4
60°-70°	3942.6	32.6
70°-80°	2255.8	18.6
80°-90°	154.0	1.3
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°	12108.5	100.0
0°-180°	12108.5	100.0

Coefficient of Utilization



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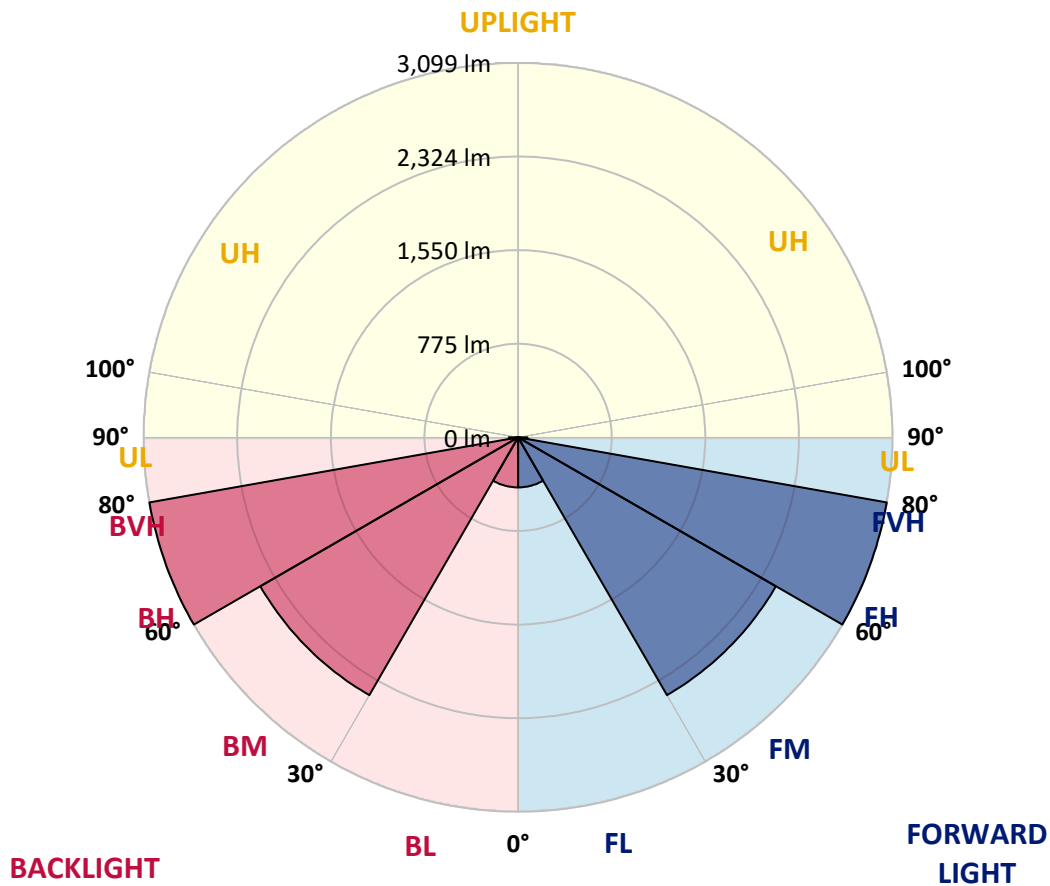
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.2	3.4			
FM (30°-60°)	2463.9	20.3			
FH (60°-80°)	3099.2	25.6			G2/5000
FVH (80°-90°)	77.0	0.6			G1/100
BL (0°-30°)	414.2	3.4	B1/500		
BM (30°-60°)	2463.9	20.3	B2/2500		
BH (60°-80°)	3099.2	25.6	B4/5000		G2/5000
BVH (80°-90°)	77.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	949.6	949.6	949.6	949.6	949.6	949.6	949.6	949.6	949.6	949.6	949.6
2.5°	941.8	942.7	944.4	944.4	946.1	948.7	949.6	947.8	948.7	944.4	948.7
5°	939.3	940.1	941.0	939.3	939.3	940.1	940.1	938.4	939.3	935.0	939.3
7.5°	933.3	934.1	934.1	931.6	929.0	930.7	930.7	929.0	929.9	925.6	930.7
10°	928.1	928.1	927.3	922.2	919.6	922.2	923.0	923.9	927.3	923.9	929.9
12.5°	931.6	931.6	929.0	922.2	917.9	919.6	921.3	923.0	929.0	928.1	935.0
15°	941.0	941.8	935.0	927.3	924.7	927.3	925.6	924.7	932.4	935.0	942.7
17.5°	948.7	948.7	940.1	932.4	933.3	937.6	934.1	929.9	937.6	942.7	951.3
20°	955.5	954.7	945.3	940.1	943.6	949.6	947.0	941.0	946.1	952.1	959.8
22.5°	972.7	971.8	961.5	959.0	962.4	968.4	965.8	960.7	966.7	975.2	984.7
25°	1021.5	1019.8	1004.4	995.8	994.1	998.4	997.5	995.8	1005.2	1015.5	1026.6
27.5°	1086.5	1085.7	1074.6	1066.0	1054.9	1051.4	1054.0	1061.7	1075.4	1083.1	1092.5
30°	1119.1	1119.1	1117.4	1131.1	1155.0	1178.2	1160.2	1131.1	1119.1	1115.7	1125.1
32.5°	1161.9	1166.2	1160.2	1175.6	1215.8	1250.1	1215.8	1168.7	1160.2	1160.2	1170.5
35°	1260.4	1262.1	1252.7	1250.1	1262.9	1267.2	1250.9	1233.8	1243.2	1245.0	1257.8
37.5°	1339.1	1339.1	1334.9	1341.7	1368.2	1384.5	1358.0	1327.1	1329.7	1331.4	1347.7
40°	1460.7	1464.1	1453.9	1453.0	1463.3	1477.8	1449.6	1429.9	1443.6	1447.9	1472.7
42.5°	1612.3	1612.3	1596.9	1592.6	1599.4	1614.8	1588.3	1575.5	1593.4	1596.9	1611.4
45°	1792.9	1797.2	1776.7	1769.0	1772.4	1777.5	1758.7	1752.7	1769.8	1777.5	1803.2
47.5°	2013.0	2017.3	1999.3	1998.4	1995.0	1998.4	1980.4	1977.0	1990.7	1984.7	2012.1
50°	2284.4	2292.1	2276.7	2298.1	2295.5	2305.8	2281.0	2263.0	2263.0	2246.7	2262.1
52.5°	2588.4	2603.8	2611.5	2647.4	2674.8	2700.5	2659.4	2631.2	2590.1	2556.7	2598.6
55°	2919.7	2915.4	2964.3	3043.0	3123.5	3184.3	3103.8	3014.8	2948.0	2878.6	2894.9
57.5°	3210.0	3224.5	3288.8	3432.6	3591.9	3720.3	3575.6	3404.4	3252.8	3153.5	3167.2
60°	3451.4	3463.4	3549.1	3756.3	4034.5	4211.8	3982.3	3699.7	3479.7	3342.7	3357.3
62.5°	3674.1	3685.2	3771.7	4000.3	4351.3	4582.5	4286.3	3900.1	3655.2	3517.4	3525.9
65°	3802.5	3809.3	3927.5	4168.1	4538.0	4776.9	4443.0	4044.8	3804.2	3663.8	3668.9
67.5°	3568.7	3579.9	3829.0	4161.3	4574.0	4780.3	4449.8	4049.1	3778.5	3595.3	3599.6
70°	2815.3	2805.8	3103.0	3674.1	4367.6	4636.5	4252.0	3745.1	3327.3	3071.3	3067.0
72.5°	2146.6	2149.1	2314.4	2705.7	3561.0	4278.6	3752.0	3015.6	2565.3	2370.9	2363.2
75°	1556.6	1580.6	1715.0	2001.9	2490.8	3198.0	2824.7	2234.7	1933.4	1816.9	1799.8
77.5°	701.2	732.1	919.6	1256.9	1665.4	1767.2	1774.1	1517.2	1144.8	951.3	921.3
80°	204.6	219.2	281.7	482.1	775.7	1002.6	796.3	669.6	417.0	327.1	311.7
82.5°	86.5	98.5	120.7	133.6	225.2	464.9	289.4	184.1	171.2	138.7	126.7
85°	36.8	39.4	50.5	53.9	72.8	99.3	91.6	83.1	79.6	61.6	56.5
87.5°	15.4	15.4	15.4	13.7	12.8	13.7	18.8	24.0	31.7	24.8	23.1
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)