

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: P632906

Luminaire Tested: GWS-SA2D-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632906
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11942.5 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

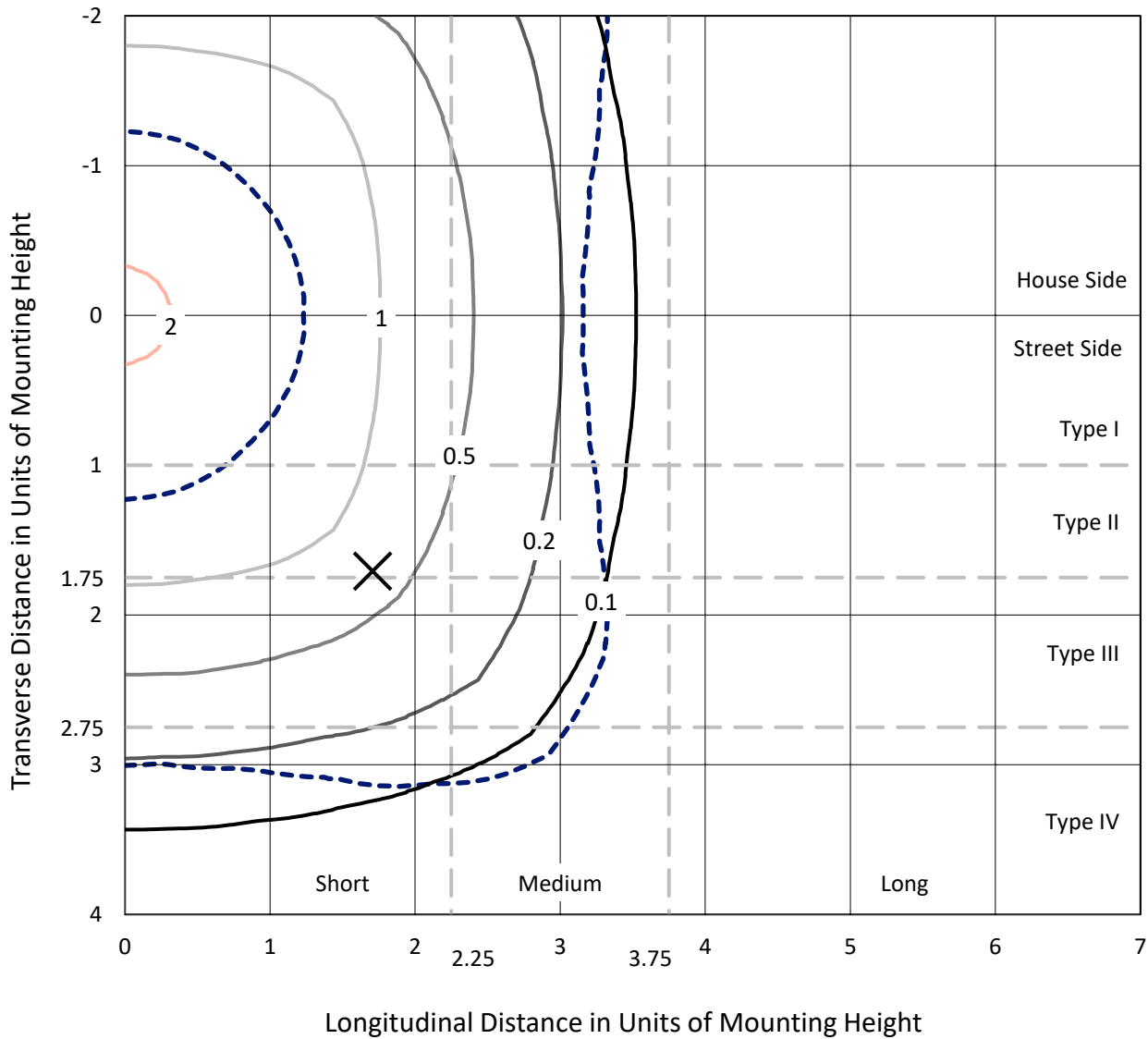
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

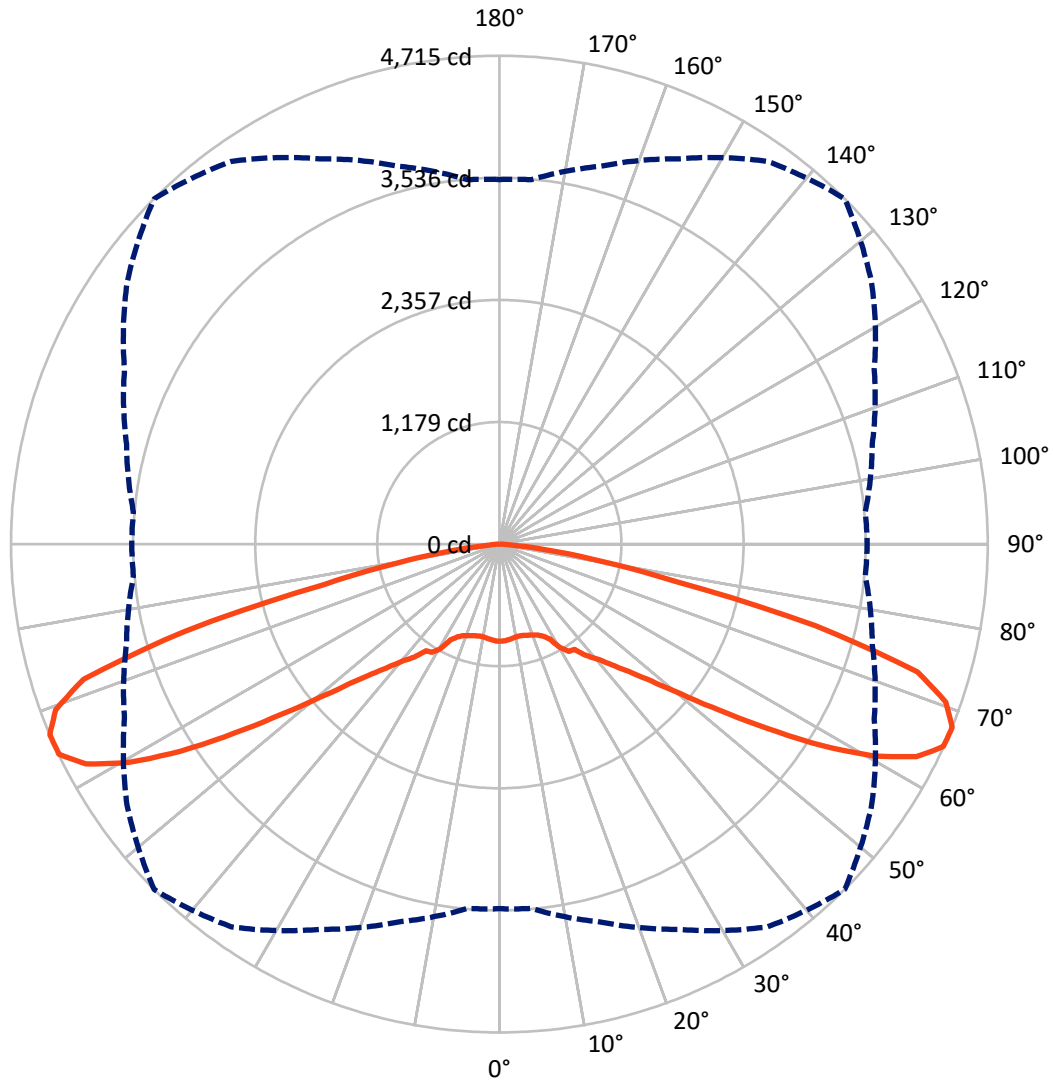
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.3 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	5971.3	0.0	5971.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5971.3	0.0	5971.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11942.5	0.0	11942.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	0.7
10°-20°	261.0	2.2
20°-30°	468.1	3.9
30°-40°	790.8	6.6
40°-50°	1389.4	11.6
50°-60°	2680.1	22.4
60°-70°	3888.5	32.6
70°-80°	2224.8	18.6
80°-90°	151.8	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°	11942.5	100.0
0°-180°	11942.5	100.0

Coefficient of Utilization



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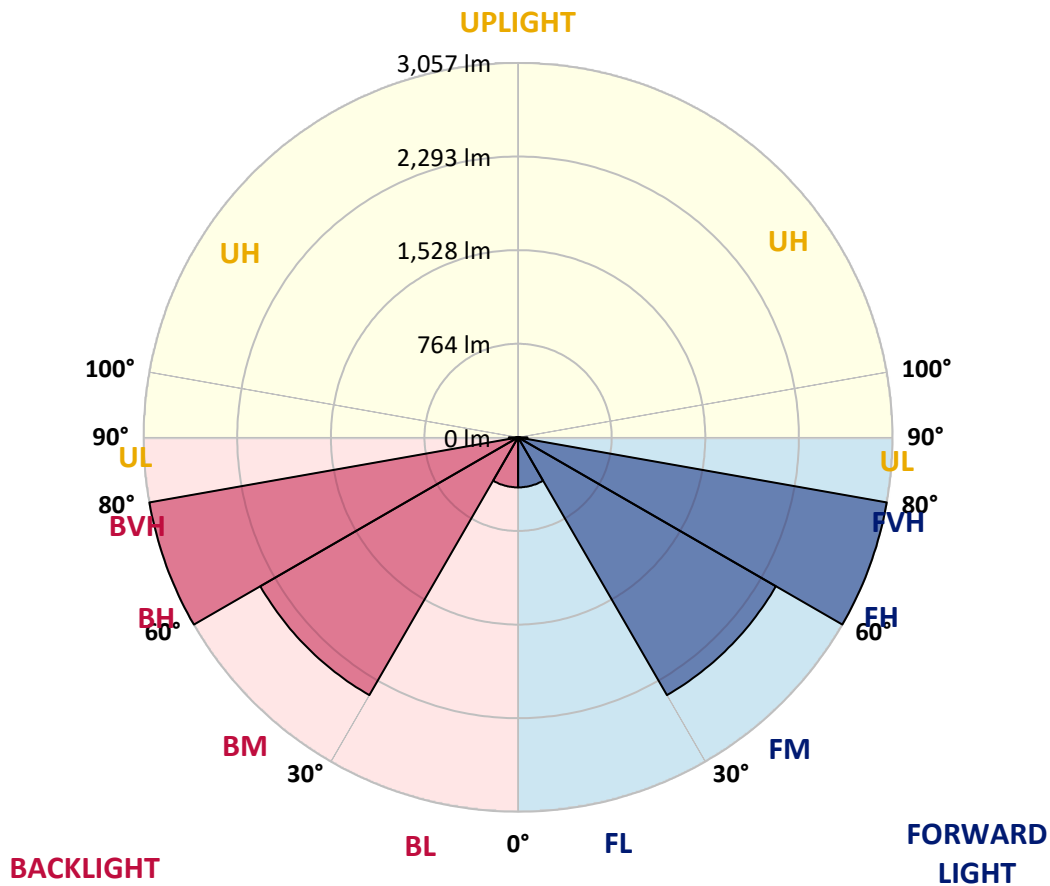
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.5	3.4			
FM (30°-60°)	2430.1	20.3			
FH (60°-80°)	3056.7	25.6			G2/5000
FVH (80°-90°)	75.9	0.6			G1/100
BL (0°-30°)	408.5	3.4	B1/500		
BM (30°-60°)	2430.1	20.3	B2/2500		
BH (60°-80°)	3056.7	25.6	B4/5000		G2/5000
BVH (80°-90°)	75.9	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°	936.5	936.5	936.5	936.5	936.5	936.5	936.5	936.5	936.5	936.5	936.5
2.5°	928.9	929.8	931.5	931.5	933.2	935.7	936.5	934.8	935.7	931.5	935.7
5°	926.4	927.2	928.1	926.4	926.4	927.2	927.2	925.6	926.4	922.2	926.4
7.5°	920.5	921.3	921.3	918.8	916.3	918.0	918.0	916.3	917.1	912.9	918.0
10°	915.4	915.4	914.6	909.5	907.0	909.5	910.4	911.2	914.6	911.2	917.1
12.5°	918.8	918.8	916.3	909.5	905.3	907.0	908.7	910.4	916.3	915.4	922.2
15°	928.1	928.9	922.2	914.6	912.0	914.6	912.9	912.0	919.6	922.2	929.8
17.5°	935.7	935.7	927.2	919.6	920.5	924.7	921.3	917.1	924.7	929.8	938.2
20°	942.4	941.6	932.3	927.2	930.6	936.5	934.0	928.1	933.2	939.1	946.7
22.5°	959.3	958.5	948.4	945.8	949.2	955.1	952.6	947.5	953.4	961.9	971.2
25°	1007.5	1005.8	990.6	982.1	980.4	984.7	983.8	982.1	991.4	1001.6	1012.5
27.5°	1071.7	1070.8	1059.8	1051.4	1040.4	1037.0	1039.6	1047.2	1060.7	1068.3	1077.6
30°	1103.7	1103.7	1102.1	1115.6	1139.2	1162.0	1144.3	1115.6	1103.7	1100.4	1109.7
32.5°	1146.0	1150.2	1144.3	1159.5	1199.2	1233.0	1199.2	1152.7	1144.3	1144.3	1154.4
35°	1243.1	1244.8	1235.5	1233.0	1245.6	1249.8	1233.8	1216.9	1226.2	1227.9	1240.6
37.5°	1320.8	1320.8	1316.6	1323.3	1349.5	1365.5	1339.4	1309.0	1311.5	1313.2	1329.2
40°	1440.7	1444.1	1433.9	1433.1	1443.2	1457.6	1429.7	1410.3	1423.8	1428.0	1452.5
42.5°	1590.2	1590.2	1575.0	1570.7	1577.5	1592.7	1566.5	1553.9	1571.6	1575.0	1589.3
45°	1768.4	1772.6	1752.3	1744.7	1748.1	1753.2	1734.6	1728.7	1745.6	1753.2	1778.5
47.5°	1985.4	1989.6	1971.9	1971.0	1967.7	1971.0	1953.3	1949.9	1963.4	1957.5	1984.5
50°	2253.1	2260.7	2245.5	2266.6	2264.1	2274.2	2249.7	2232.0	2232.0	2215.9	2231.1
52.5°	2552.9	2568.1	2575.7	2611.2	2638.2	2663.5	2623.0	2595.1	2554.6	2521.6	2563.0
55°	2879.7	2875.5	2923.6	3001.3	3080.7	3140.6	3061.3	2973.4	2907.6	2839.2	2855.2
57.5°	3166.0	3180.3	3243.7	3385.5	3542.6	3669.3	3526.6	3357.7	3208.2	3110.2	3123.8
60°	3404.1	3415.9	3500.4	3704.8	3979.2	4154.0	3927.7	3649.0	3432.0	3296.9	3311.2
62.5°	3623.7	3634.7	3720.0	3945.4	4291.7	4519.7	4227.5	3846.6	3605.1	3469.2	3477.6
65°	3750.4	3757.1	3873.7	4111.0	4475.8	4711.4	4382.0	3989.4	3752.1	3613.6	3618.6
67.5°	3519.8	3530.8	3776.5	4104.2	4511.2	4714.8	4388.8	3993.6	3726.7	3546.0	3550.2
70°	2776.7	2767.4	3060.4	3623.7	4307.7	4572.9	4193.7	3693.8	3281.7	3029.2	3025.0
72.5°	2117.1	2119.7	2282.6	2668.6	3512.2	4219.9	3700.5	2974.3	2530.1	2338.4	2330.8
75°	1535.3	1558.9	1691.5	1974.4	2456.6	3154.2	2786.0	2204.1	1906.9	1792.0	1775.1
77.5°	691.6	722.0	907.0	1239.7	1642.5	1743.0	1749.8	1496.4	1129.1	938.2	908.7
80°	201.8	216.2	277.8	475.4	765.1	988.9	785.4	660.4	411.3	322.6	307.4
82.5°	85.3	97.1	119.1	131.7	222.1	458.6	285.4	181.6	168.9	136.8	125.0
85°	36.3	38.8	49.8	53.2	71.8	98.0	90.4	81.9	78.5	60.8	55.7
87.5°	15.2	15.2	15.2	13.5	12.7	13.5	18.6	23.6	31.2	24.5	22.8
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)