

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: P630423

Luminaire Tested: GWS-SA1D-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630423
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-SA1D-760-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3737.9 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

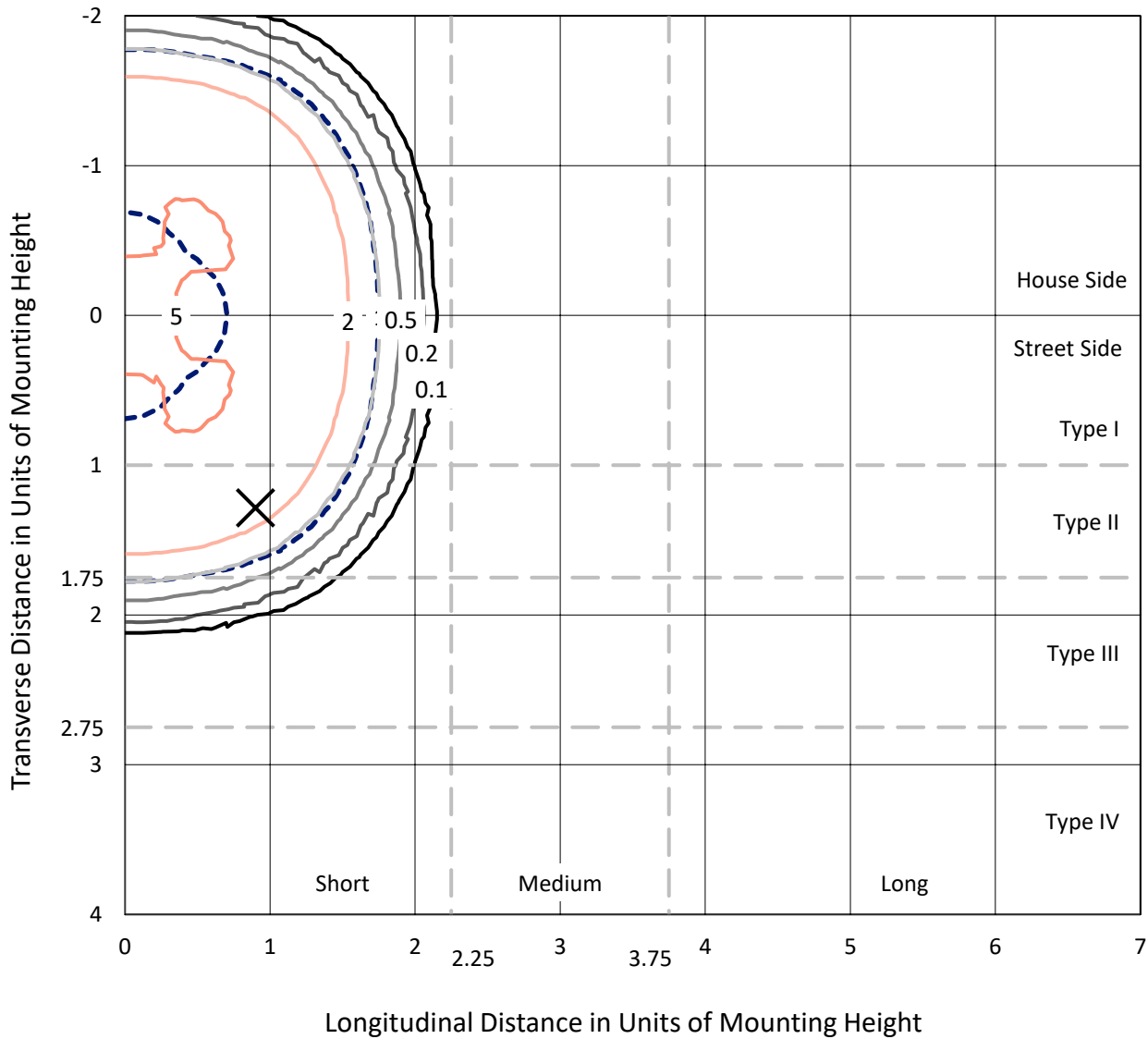
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

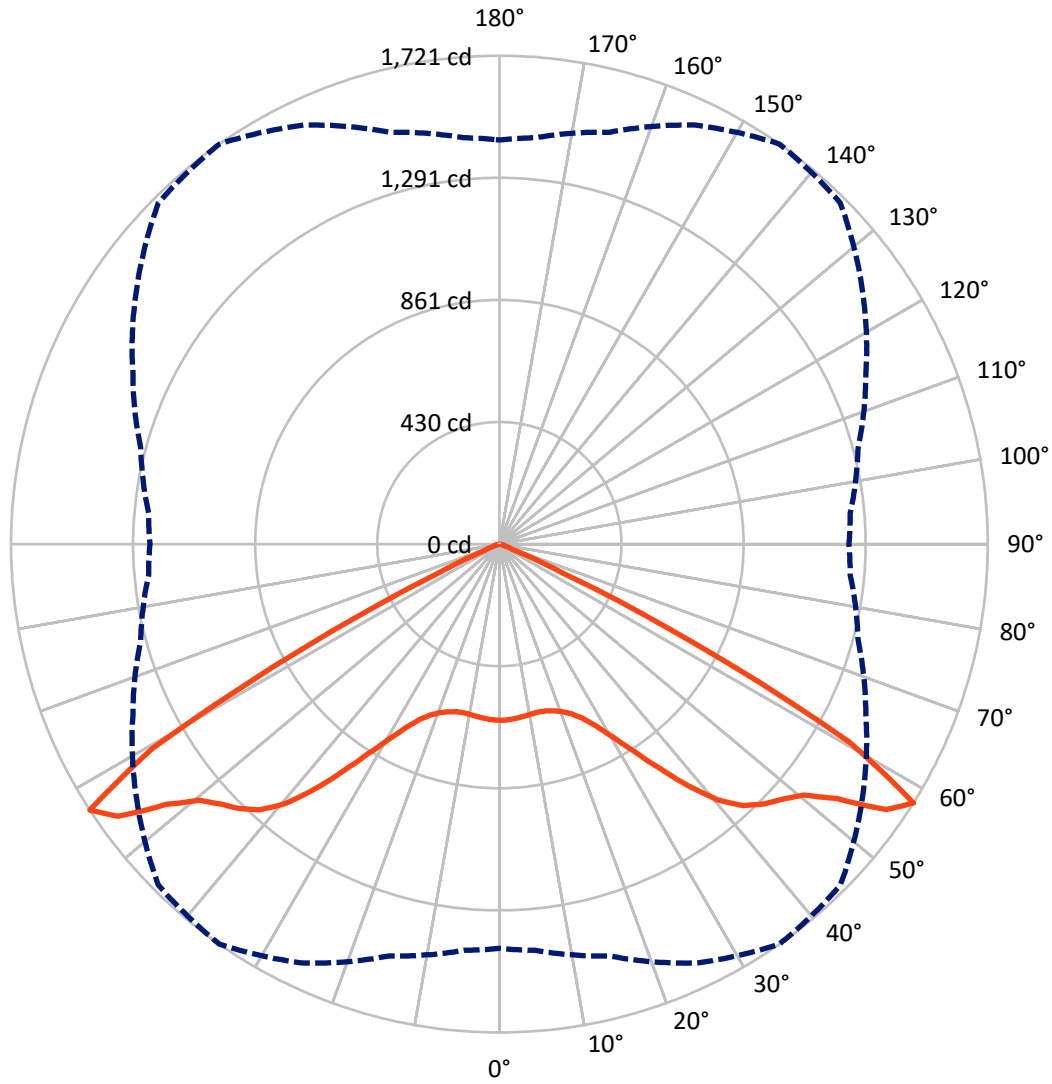
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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
House Side	Lumens	1868.9	0.0	1868.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1868.9	0.0	1868.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3737.9	0.0	3737.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	1.6
10°-20°	172.2	4.6
20°-30°	311.3	8.3
30°-40°	580.8	15.5
40°-50°	974.3	26.1
50°-60°	1286.6	34.4
60°-70°	341.7	9.1
70°-80°	12.1	0.3
80°-90°	0.2	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°	3737.9	100.0
0°-180°	3737.9	100.0

Coefficient of Utilization



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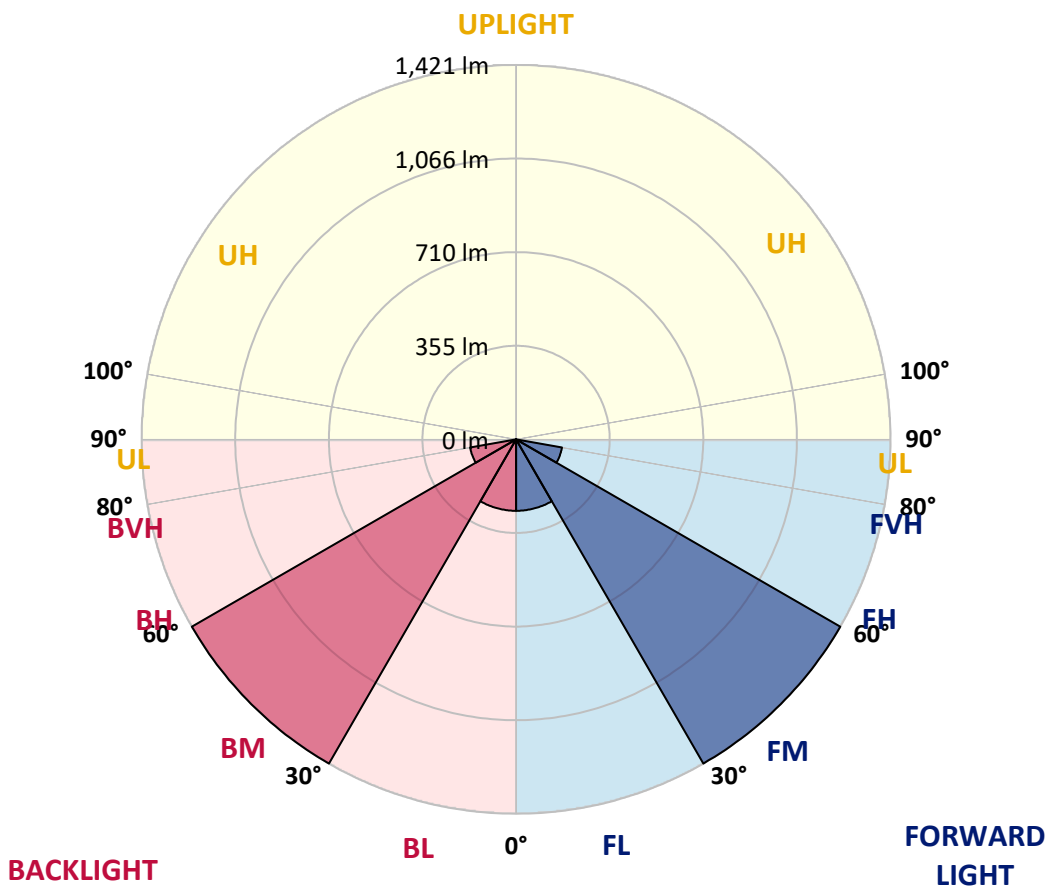
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.1	7.3			
FM (30°-60°)	1420.9	38.0			
FH (60°-80°)	176.9	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	271.1	7.3	B1/500		
BM (30°-60°)	1420.9	38.0	B2/2500		
BH (60°-80°)	176.9	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	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°	621.5	621.5	621.5	621.5	621.5	621.5	621.5	621.5	621.5	621.5	621.5
2.5°	617.1	616.6	618.4	619.7	619.7	622.8	621.9	621.0	620.1	618.8	621.9
5°	616.2	615.8	617.1	618.0	617.1	619.7	618.0	616.2	615.3	613.6	617.1
7.5°	612.2	612.7	613.6	614.4	613.1	615.3	613.1	610.5	608.3	606.5	609.6
10°	606.1	606.5	607.4	609.2	609.6	612.7	609.6	604.8	601.7	599.1	602.2
12.5°	603.0	603.5	604.8	607.0	607.4	611.4	607.4	600.4	596.0	593.0	596.0
15°	603.9	604.8	606.5	609.2	610.1	614.0	608.7	599.5	593.4	589.4	592.1
17.5°	607.0	607.9	610.5	614.9	618.0	621.9	615.3	603.5	595.1	589.4	592.1
20°	610.9	612.2	616.6	623.7	630.2	637.2	628.9	612.7	601.7	594.7	596.9
22.5°	621.9	623.2	629.4	638.6	649.5	658.3	648.2	627.6	612.7	603.5	605.7
25°	644.3	645.6	653.5	665.3	679.4	690.8	678.0	652.2	632.9	622.3	623.2
27.5°	679.4	680.7	689.9	706.5	725.4	741.6	723.2	692.9	671.0	658.7	658.7
30°	723.6	725.4	737.7	760.0	789.4	810.9	785.9	749.1	721.0	704.4	704.8
32.5°	780.7	778.9	796.5	827.2	868.8	897.3	860.5	815.7	781.1	757.9	760.0
35°	853.9	853.5	873.2	914.9	969.2	1003.5	959.6	901.7	860.0	836.4	836.8
37.5°	948.2	947.8	970.6	1015.7	1081.1	1109.6	1060.5	1001.7	957.0	934.2	936.8
40°	1058.7	1056.1	1076.3	1119.7	1185.0	1203.4	1149.9	1102.6	1059.6	1045.1	1052.1
42.5°	1164.0	1158.3	1170.1	1209.6	1260.0	1262.7	1222.3	1189.9	1160.5	1149.1	1153.4
45°	1248.6	1244.2	1255.2	1278.0	1307.0	1293.8	1274.5	1264.4	1240.7	1228.4	1232.4
47.5°	1311.8	1311.8	1324.9	1339.0	1343.4	1319.2	1322.3	1322.3	1298.6	1279.3	1274.5
50°	1366.2	1370.1	1389.8	1404.3	1389.8	1359.1	1376.7	1373.2	1324.9	1286.3	1276.3
52.5°	1453.0	1456.9	1487.2	1506.9	1490.7	1460.5	1462.6	1418.8	1347.7	1302.1	1286.3
55°	1545.1	1554.7	1598.6	1651.2	1651.7	1620.5	1562.6	1485.0	1398.6	1349.1	1332.8
57.5°	1424.5	1437.6	1503.0	1629.7	1721.4	1699.9	1561.8	1425.4	1308.7	1241.2	1232.0
60°	980.2	1003.0	1068.4	1241.6	1418.3	1426.7	1263.5	1110.5	976.7	893.4	895.1
62.5°	414.0	437.3	474.1	616.6	778.9	789.0	710.1	600.4	491.2	431.1	440.3
65°	97.4	103.9	114.9	170.6	247.4	258.8	238.6	186.0	137.3	116.2	118.4
67.5°	42.5	43.4	41.2	43.9	54.4	55.7	53.9	47.4	44.7	45.6	45.6
70°	29.8	30.3	28.5	27.2	25.9	24.1	25.0	27.6	29.8	31.6	31.1
72.5°	18.4	18.9	19.3	19.3	18.0	16.2	17.1	18.9	19.3	19.7	19.3
75°	9.2	9.6	10.5	11.0	10.5	10.1	10.1	10.5	10.5	10.1	10.1
77.5°	1.8	2.2	3.1	3.5	3.5	3.5	3.5	3.5	3.9	3.5	3.5
80°	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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)