

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: P630098

Luminaire Tested: GWS-SA1D-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4668.4 lumens
Efficiency: N/A
Efficacy: 105.4 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

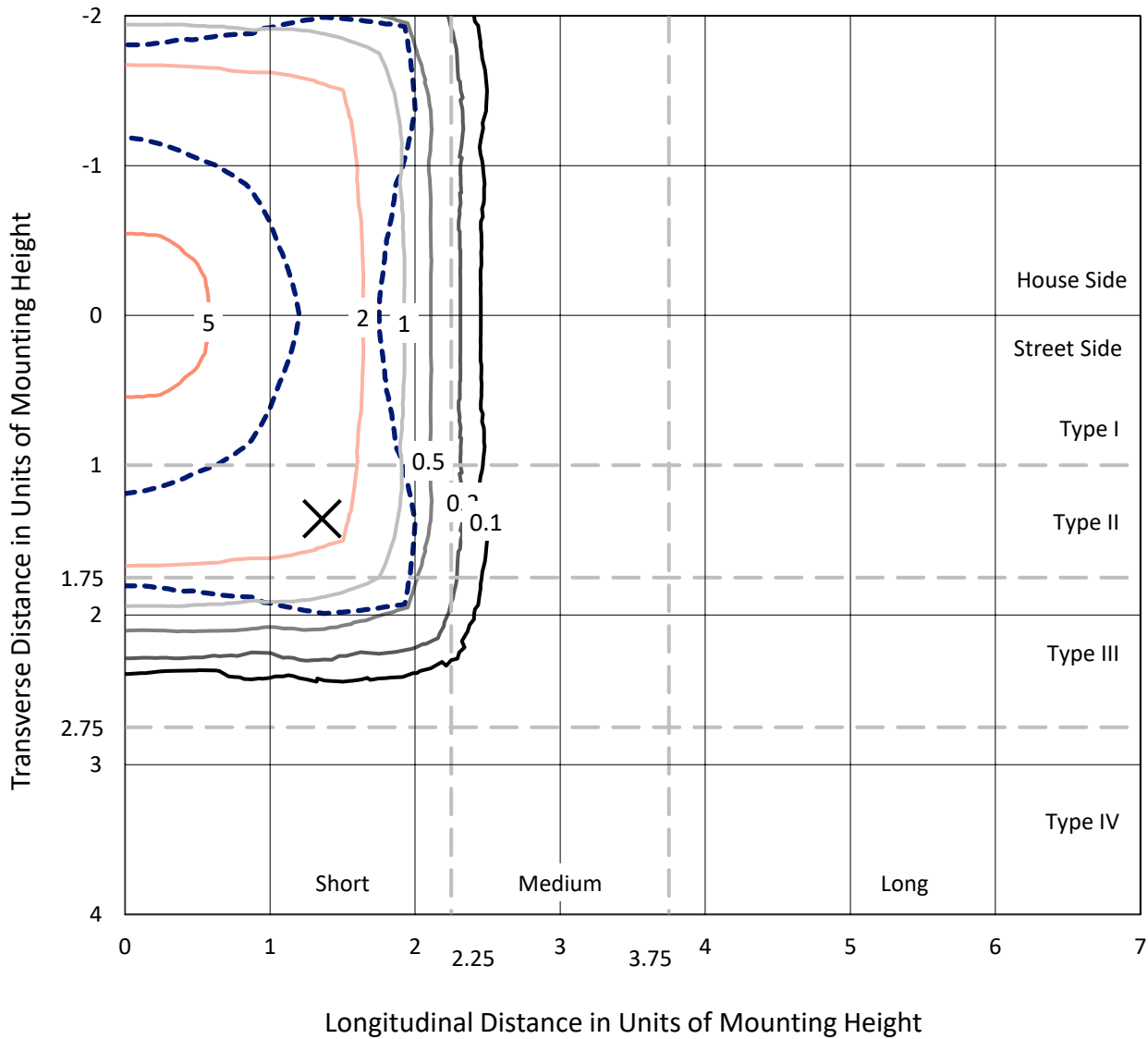
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

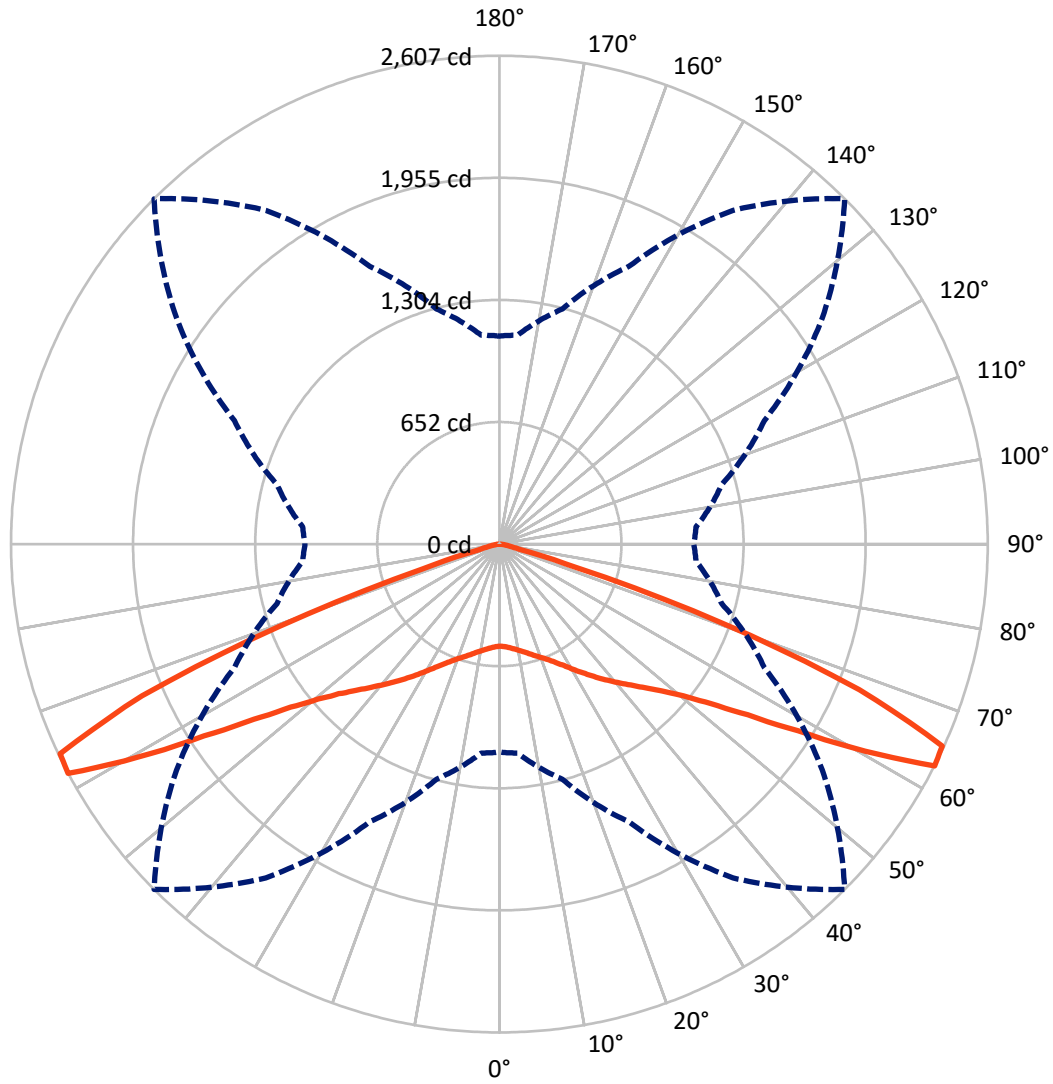
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2334.2	0.0	2334.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2334.2	0.0	2334.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4668.4	0.0	4668.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.1
10°-20°	172.3	3.7
20°-30°	326.0	7.0
30°-40°	548.7	11.8
40°-50°	876.7	18.8
50°-60°	1413.2	30.3
60°-70°	1153.0	24.7
70°-80°	112.0	2.4
80°-90°	13.0	0.3
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°	4668.4	100.0
0°-180°	4668.4	100.0

Coefficient of Utilization



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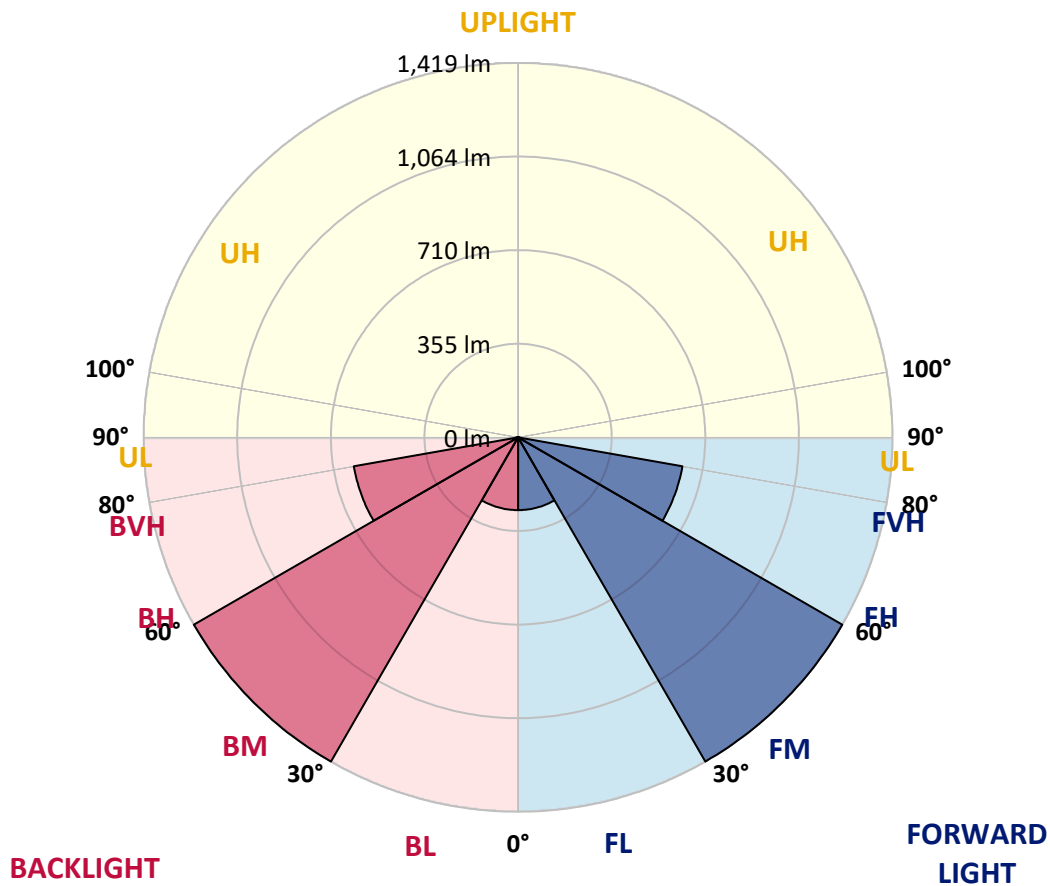
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.9	5.9			
FM (30°-60°)	1419.3	30.4			
FH (60°-80°)	632.5	13.5			G0/660
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	275.9	5.9	B1/500		
BM (30°-60°)	1419.3	30.4	B2/2500		
BH (60°-80°)	632.5	13.5	B2/1000		G0/660
BVH (80°-90°)	6.5	0.1			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°	544.6	544.6	544.6	544.6	544.6	544.6	544.6	544.6	544.6	544.6	544.6
2.5°	544.0	544.0	545.3	546.2	545.6	548.2	547.8	547.2	546.9	545.9	548.8
5°	551.4	551.4	552.3	553.3	551.7	554.9	553.6	553.0	552.6	551.4	553.9
7.5°	559.7	560.6	561.0	562.6	561.6	565.1	564.2	562.9	562.2	560.6	562.9
10°	569.0	569.6	569.9	572.8	573.1	577.3	576.3	574.7	573.4	571.8	575.0
12.5°	581.5	581.8	582.7	586.3	587.2	590.4	590.1	587.9	586.3	584.0	587.5
15°	597.5	597.8	599.4	602.9	604.5	608.3	607.1	603.5	601.3	598.7	601.6
17.5°	614.1	615.4	617.0	620.5	622.8	627.2	625.6	621.8	619.9	617.3	619.2
20°	635.6	635.9	636.8	640.7	642.3	647.4	647.7	643.9	642.9	640.4	643.2
22.5°	659.3	659.6	660.5	664.7	667.6	670.8	672.7	670.5	668.9	665.7	669.2
25°	685.5	688.7	689.7	694.8	698.0	699.9	702.2	701.2	699.0	695.1	696.7
27.5°	722.3	723.0	724.6	730.3	732.3	734.2	736.4	736.7	733.5	729.1	731.3
30°	764.3	764.0	767.5	772.0	773.6	775.2	778.4	780.3	776.1	771.3	773.6
32.5°	807.2	811.0	815.5	819.7	818.7	819.3	824.5	828.0	822.2	813.6	815.5
35°	855.5	858.1	863.9	869.9	868.7	867.7	870.9	874.4	866.4	855.2	858.1
37.5°	905.2	909.0	917.6	925.0	923.1	918.6	922.1	926.0	918.3	905.5	904.2
40°	960.5	966.6	979.1	985.2	980.1	971.4	977.5	986.8	979.1	964.4	960.9
42.5°	1025.5	1032.9	1045.4	1054.7	1043.5	1029.4	1039.6	1053.1	1051.2	1031.6	1025.5
45°	1105.9	1110.7	1126.1	1130.6	1113.9	1094.4	1113.0	1133.4	1128.6	1107.5	1099.5
47.5°	1193.3	1200.7	1214.1	1222.5	1195.6	1171.2	1197.2	1224.7	1219.6	1199.7	1190.4
50°	1304.7	1314.4	1332.0	1339.0	1301.9	1274.0	1307.3	1342.2	1332.3	1305.7	1293.5
52.5°	1426.1	1433.8	1463.9	1478.0	1443.1	1413.0	1442.1	1476.4	1455.2	1420.0	1403.7
55°	1533.0	1540.7	1584.9	1631.7	1630.1	1609.2	1624.0	1624.6	1567.3	1509.0	1491.7
57.5°	1556.1	1563.8	1648.0	1770.3	1856.7	1880.8	1837.5	1746.6	1602.2	1500.1	1480.5
60°	1433.1	1441.8	1575.6	1799.1	2083.4	2243.8	2044.7	1744.0	1494.3	1356.0	1337.4
62.5°	1110.4	1119.7	1299.6	1635.2	2175.0	2607.3	2104.9	1560.6	1229.2	1054.0	1037.7
65°	530.2	530.2	758.8	1172.8	1992.5	2598.6	1930.7	1154.6	739.9	568.3	554.2
67.5°	131.3	131.9	195.3	456.6	1355.3	2073.8	1377.4	554.2	260.6	184.4	179.6
70°	82.0	81.6	90.6	123.6	474.2	1258.6	563.2	167.1	106.0	93.5	92.9
72.5°	63.7	63.7	68.2	79.1	124.2	428.7	164.3	92.9	76.8	69.2	69.2
75°	50.3	50.3	53.5	59.2	73.3	110.5	87.4	68.8	59.6	54.4	53.8
77.5°	37.5	38.1	40.7	44.5	49.9	62.1	55.4	51.9	46.4	42.6	41.3
80°	24.3	25.3	28.5	30.7	32.7	41.0	36.2	37.8	35.2	30.7	30.1
82.5°	13.1	13.4	17.3	17.9	18.6	22.4	23.1	24.0	25.0	19.5	18.3
85°	4.8	4.8	5.8	6.7	7.4	8.0	10.9	13.4	14.1	11.2	10.9
87.5°	1.0	1.0	1.0	0.6	0.6	0.6	1.9	3.5	5.8	4.5	4.5
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)