

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: P629876

Luminaire Tested: GWS-SA1C-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3459.9 lumens
Efficiency: N/A
Efficacy: 101.5 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

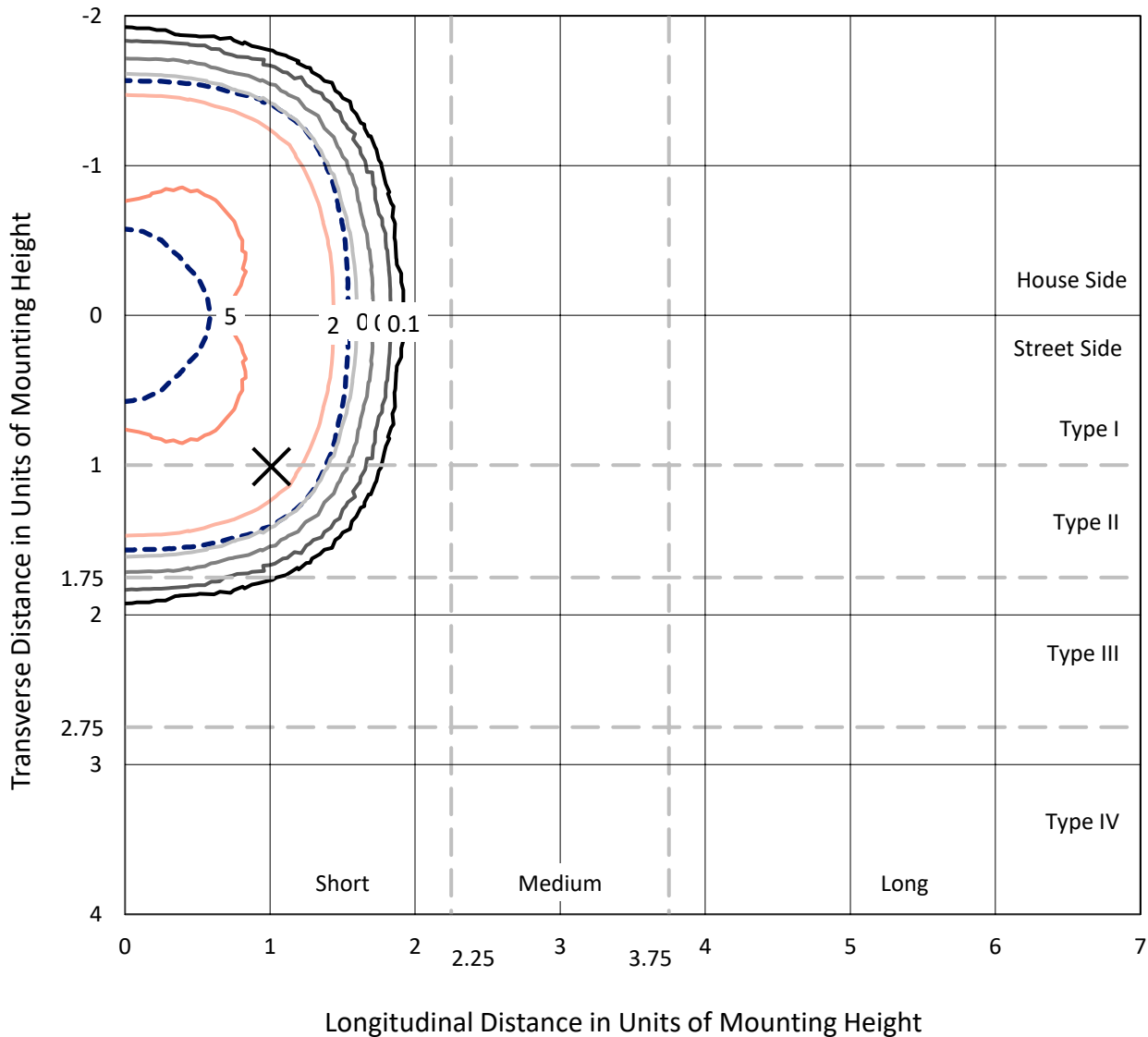
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

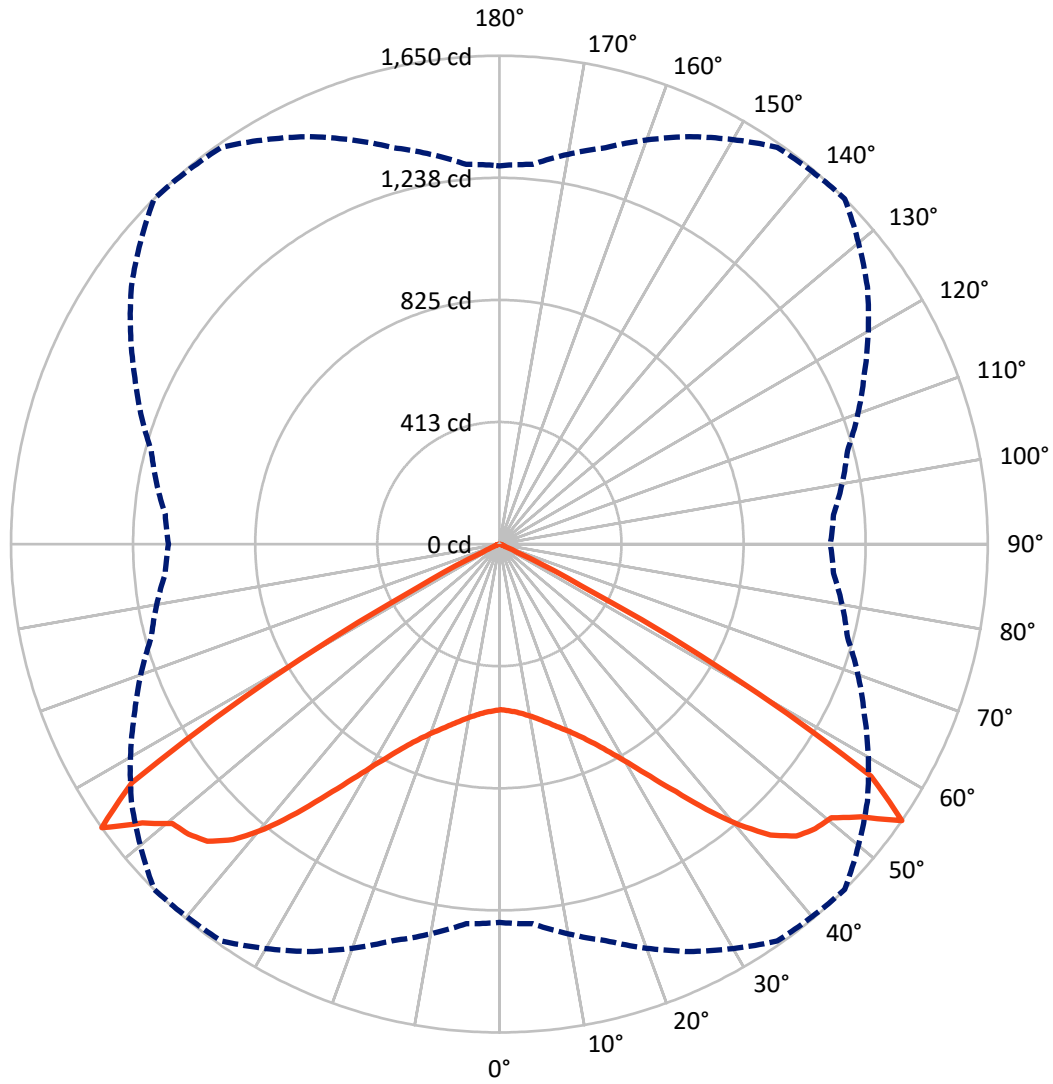
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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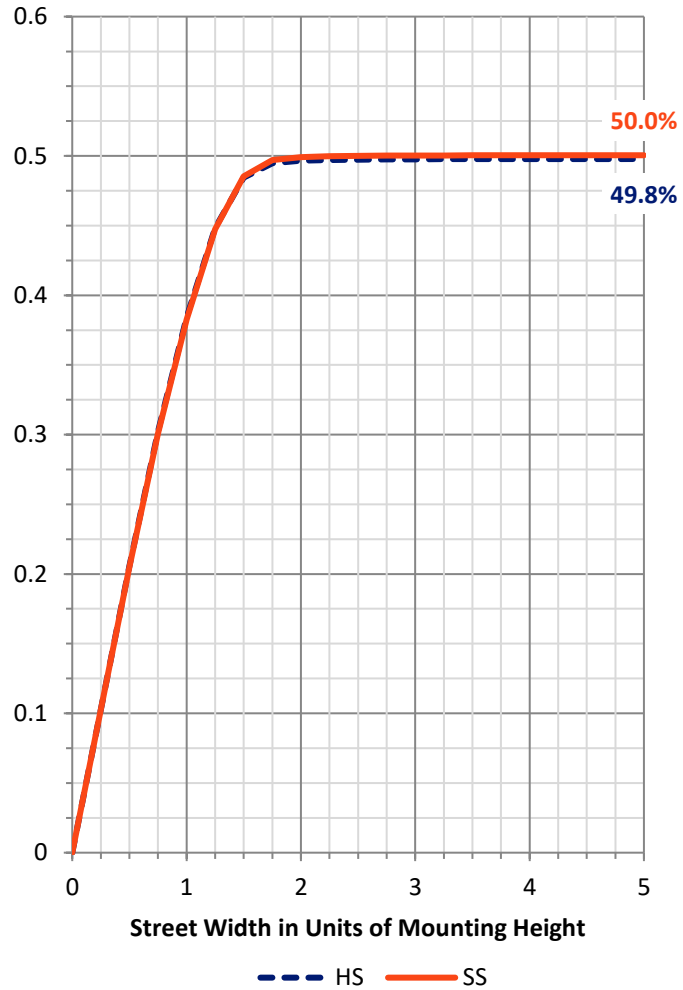
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1729.9	0.0	1729.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1729.9	0.0	1729.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3459.9	0.0	3459.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.6
10°-20°	177.7	5.1
20°-30°	344.1	9.9
30°-40°	616.4	17.8
40°-50°	1033.4	29.9
50°-60°	1106.3	32.0
60°-70°	121.6	3.5
70°-80°	5.4	0.2
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°	3459.9	100.0
0°-180°	3459.9	100.0

Coefficient of Utilization



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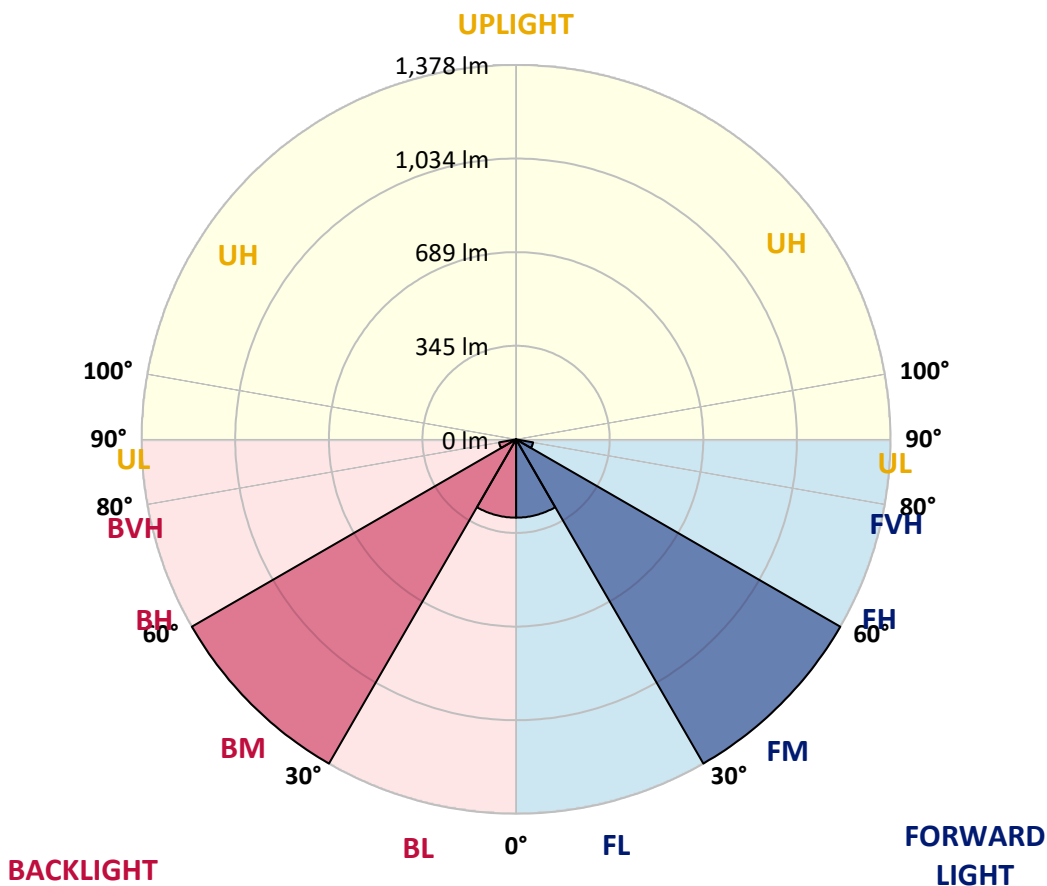
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.3	8.3			
FM (30°-60°)	1378.1	39.8			
FH (60°-80°)	63.5	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	288.3	8.3	B1/500		
BM (30°-60°)	1378.1	39.8	B2/2500		
BH (60°-80°)	63.5	1.8	B0/110		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°	559.4	559.4	559.4	559.4	559.4	559.4	559.4	559.4	559.4	559.4	559.4
2.5°	558.3	558.3	559.7	560.8	560.8	563.6	562.6	561.5	561.5	560.1	562.9
5°	566.4	566.1	567.5	568.2	566.8	569.6	567.8	566.8	566.1	564.7	567.5
7.5°	575.2	575.6	575.9	577.4	576.7	579.5	578.1	575.9	575.2	573.1	575.9
10°	585.8	585.8	586.5	588.3	588.6	592.2	590.8	588.3	586.2	584.1	586.9
12.5°	599.2	599.6	600.6	603.1	604.5	608.4	606.3	601.3	598.2	595.7	598.9
15°	618.6	618.2	619.7	623.2	624.9	627.8	624.6	617.9	614.0	611.2	613.3
17.5°	639.7	639.7	640.5	644.0	646.4	650.7	646.8	638.7	635.2	631.3	633.4
20°	663.0	664.1	664.8	667.2	671.5	675.7	672.5	664.4	660.5	655.6	658.1
22.5°	693.7	692.6	693.0	697.2	703.2	707.4	705.0	695.4	688.7	684.9	686.3
25°	727.9	727.5	728.6	734.9	741.6	746.2	742.7	730.3	723.6	716.9	719.8
27.5°	769.8	770.2	770.9	778.6	789.2	795.9	787.1	774.7	765.6	756.8	758.9
30°	819.5	818.8	820.9	831.5	847.0	857.6	847.4	830.1	817.0	808.6	809.6
32.5°	872.4	873.1	878.7	895.6	916.1	934.8	914.0	891.1	874.1	858.3	860.4
35°	929.5	931.2	943.9	969.0	1002.4	1027.5	998.6	960.9	936.9	916.4	917.1
37.5°	996.8	1001.0	1018.7	1056.0	1104.0	1137.4	1095.1	1045.1	1014.1	988.7	986.9
40°	1085.3	1090.2	1114.2	1158.6	1216.8	1247.4	1198.4	1147.0	1108.5	1081.1	1076.8
42.5°	1186.8	1193.1	1219.2	1264.7	1322.9	1343.6	1295.7	1252.4	1217.8	1185.4	1184.0
45°	1301.3	1304.9	1326.0	1360.9	1402.9	1407.8	1371.8	1347.9	1313.0	1282.7	1280.2
47.5°	1408.9	1412.4	1426.8	1444.8	1454.7	1437.1	1430.7	1420.1	1375.0	1337.7	1329.9
50°	1490.6	1493.5	1511.4	1518.5	1491.0	1453.6	1466.0	1443.4	1394.4	1352.5	1340.5
52.5°	1485.0	1492.0	1538.2	1578.4	1561.1	1530.8	1497.7	1449.0	1372.9	1315.4	1300.6
55°	1278.4	1288.0	1387.0	1519.2	1637.3	1650.3	1517.8	1360.9	1217.8	1133.6	1118.4
57.5°	821.6	824.1	945.0	1130.4	1396.5	1480.4	1258.7	1026.1	848.1	755.4	749.0
60°	302.1	297.1	388.4	542.1	804.4	893.2	740.9	518.8	370.1	304.5	299.3
62.5°	72.6	73.3	90.9	136.4	252.4	312.3	246.7	137.8	87.8	73.7	73.0
65°	36.7	36.0	36.3	39.1	53.9	64.5	52.9	37.4	36.0	36.3	36.0
67.5°	23.6	23.3	24.0	24.3	24.0	22.6	22.2	22.9	22.9	23.3	22.6
70°	14.5	14.1	14.8	15.9	15.2	13.4	14.1	14.8	14.1	13.7	13.7
72.5°	7.8	7.8	8.5	9.2	8.5	7.8	7.8	8.1	7.8	7.8	7.8
75°	3.5	3.5	3.9	4.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.4	1.4	1.4
80°	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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)