

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: P629824

Luminaire Tested: GWS-SA1C-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4357.4 lumens
Efficiency: N/A
Efficacy: 127.8 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

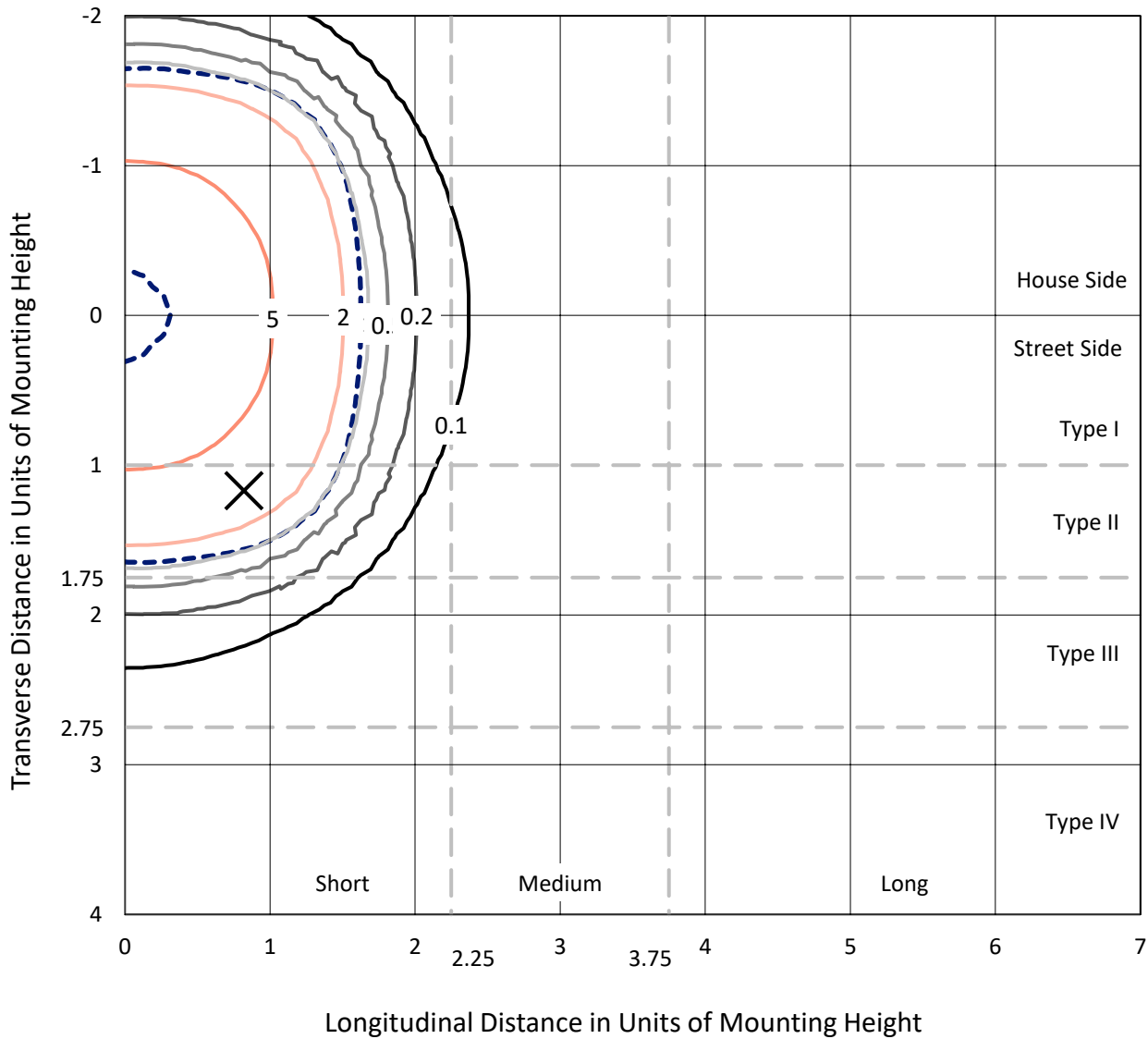
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

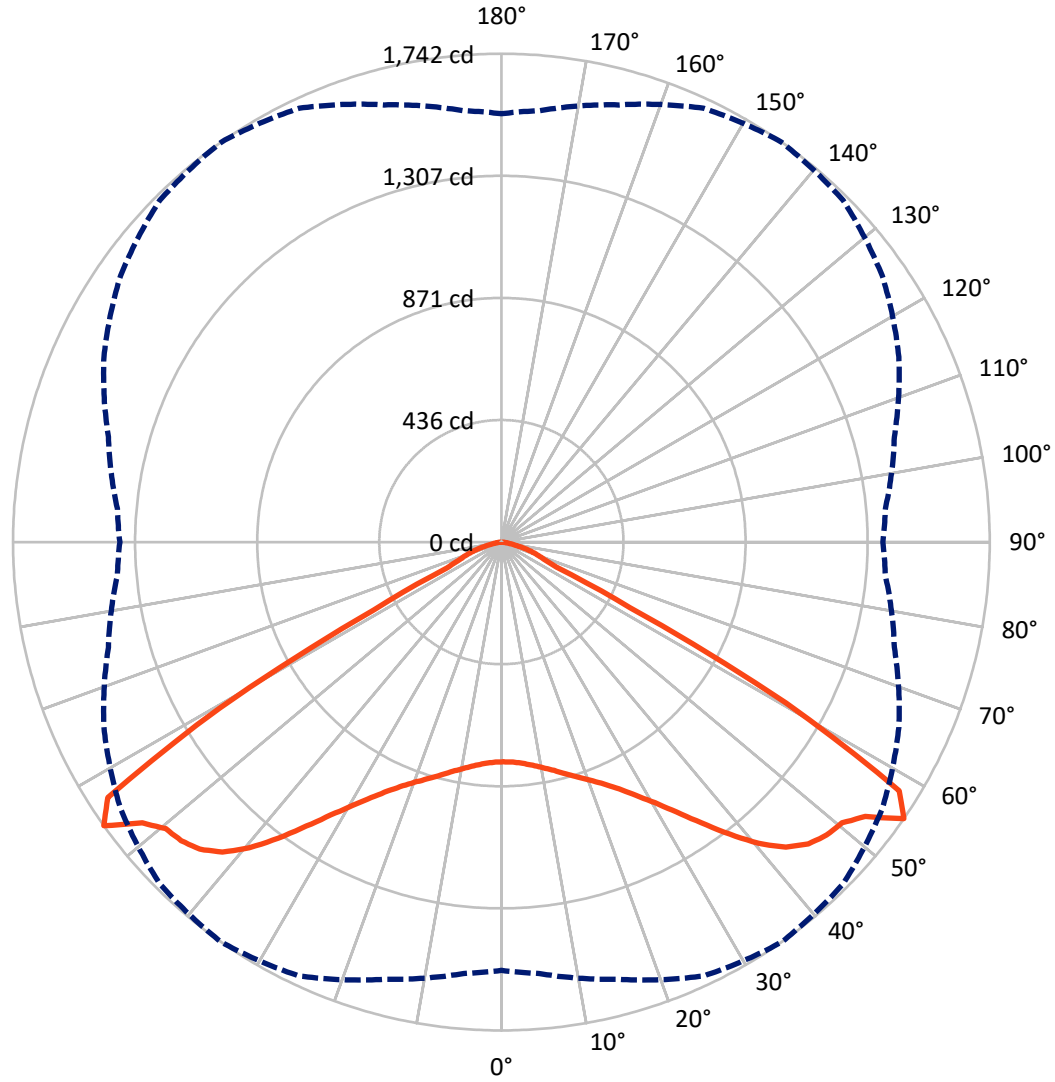
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2178.7	0.0	2178.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2178.7	0.0	2178.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4357.4	0.0	4357.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	1.8
10°-20°	243.4	5.6
20°-30°	450.5	10.3
30°-40°	753.7	17.3
40°-50°	1148.5	26.4
50°-60°	1286.5	29.5
60°-70°	304.4	7.0
70°-80°	82.1	1.9
80°-90°	11.8	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°	4357.4	100.0
0°-180°	4357.4	100.0

Coefficient of Utilization



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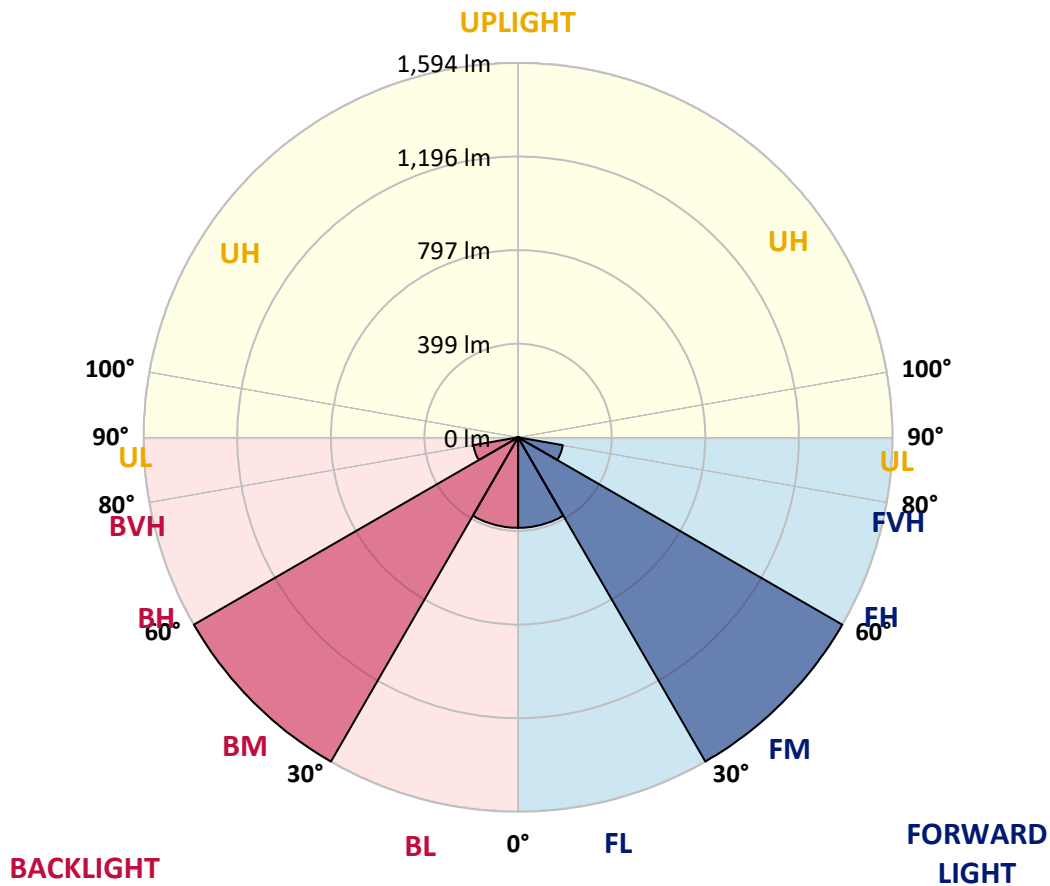
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.2	8.8			
FM (30°-60°)	1594.3	36.6			
FH (60°-80°)	193.2	4.4			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	385.2	8.8	B1/500		
BM (30°-60°)	1594.3	36.6	B2/2500		
BH (60°-80°)	193.2	4.4	B1/500		G0/660
BVH (80°-90°)	5.9	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°	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9
2.5°	782.2	782.2	783.6	785.3	785.6	789.1	788.4	787.0	786.3	784.9	788.0
5°	790.8	791.1	792.2	793.2	792.5	795.3	794.2	792.5	791.5	789.8	792.9
7.5°	802.2	802.2	803.2	804.6	803.9	808.0	806.0	803.5	801.8	799.8	802.5
10°	812.5	813.2	814.2	817.0	818.4	822.8	821.5	818.0	815.3	812.9	816.0
12.5°	828.0	828.7	829.7	833.5	835.9	840.4	838.4	833.5	829.4	825.9	829.4
15°	848.0	847.3	850.1	854.9	858.0	862.1	859.7	851.4	845.9	841.5	844.9
17.5°	868.3	868.0	870.7	876.9	881.4	886.9	882.8	873.2	867.3	861.8	865.2
20°	890.4	891.4	894.2	900.0	906.6	913.8	910.4	900.0	893.5	887.3	890.0
22.5°	917.6	917.9	921.0	928.6	937.2	944.1	942.1	929.3	921.0	914.5	917.9
25°	950.3	950.0	954.1	963.1	975.1	982.0	977.6	963.4	954.5	946.9	949.6
27.5°	987.9	987.6	993.8	1005.5	1022.7	1032.3	1023.0	1005.5	993.1	982.4	984.8
30°	1035.1	1034.1	1041.0	1056.8	1079.2	1095.4	1081.6	1057.2	1041.0	1029.6	1032.0
32.5°	1087.5	1088.9	1097.5	1118.8	1147.1	1168.1	1147.4	1120.2	1098.5	1082.0	1084.7
35°	1145.0	1145.0	1162.6	1189.1	1229.4	1257.4	1225.3	1186.0	1157.1	1134.3	1135.0
37.5°	1209.1	1209.8	1232.9	1269.4	1322.1	1354.9	1311.5	1262.9	1227.7	1203.3	1201.9
40°	1287.3	1289.4	1313.2	1353.8	1413.1	1443.1	1396.6	1349.0	1313.2	1284.2	1281.5
42.5°	1375.5	1376.2	1401.4	1437.9	1487.9	1505.8	1469.3	1430.3	1401.0	1374.9	1372.1
45°	1459.6	1457.9	1479.6	1506.8	1535.8	1537.5	1517.2	1501.3	1475.8	1453.4	1449.3
47.5°	1525.1	1523.7	1543.4	1558.2	1561.6	1544.7	1551.3	1553.7	1524.1	1493.7	1485.8
50°	1565.1	1567.8	1586.4	1594.7	1574.4	1546.8	1571.6	1565.4	1523.0	1483.4	1470.6
52.5°	1589.2	1593.3	1625.7	1646.7	1625.7	1599.5	1603.0	1566.4	1505.4	1453.1	1436.5
55°	1528.2	1544.7	1614.7	1707.7	1742.2	1723.9	1658.4	1564.4	1451.3	1375.2	1361.1
57.5°	1132.6	1158.8	1262.5	1464.1	1673.6	1740.1	1548.9	1311.5	1140.2	1042.3	1034.1
60°	578.2	607.5	690.5	897.6	1167.1	1260.8	1078.9	839.7	667.4	588.2	579.2
62.5°	236.0	240.9	268.1	348.0	515.8	595.1	522.7	367.0	275.7	254.0	254.3
65°	185.7	186.8	185.4	190.2	216.0	239.8	221.6	194.7	189.9	192.3	190.5
67.5°	162.0	162.3	161.3	161.3	162.3	161.3	163.3	164.4	165.1	167.8	166.1
70°	135.4	135.8	135.8	136.5	136.1	134.4	137.5	138.9	139.2	140.9	139.9
72.5°	104.8	105.8	106.5	106.8	106.5	105.4	107.2	109.6	109.2	111.0	109.2
75°	71.0	72.4	73.0	74.4	74.1	74.1	76.2	77.2	76.2	77.5	76.2
77.5°	40.3	41.3	43.4	44.8	46.2	47.2	48.6	49.3	48.9	49.6	48.9
80°	23.4	23.8	25.5	26.2	27.9	29.6	31.0	31.7	32.0	32.4	32.0
82.5°	13.4	13.8	14.5	15.2	16.5	17.9	19.3	20.3	20.3	20.7	20.3
85°	6.5	6.5	6.9	7.2	7.9	9.0	10.0	11.0	11.4	11.4	11.4
87.5°	1.0	1.0	1.4	1.4	1.7	2.1	2.8	3.4	3.8	3.8	3.8
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)