

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: P630266

Luminaire Tested: GWS-SA1D-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630266
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-SA1D-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6063.2 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

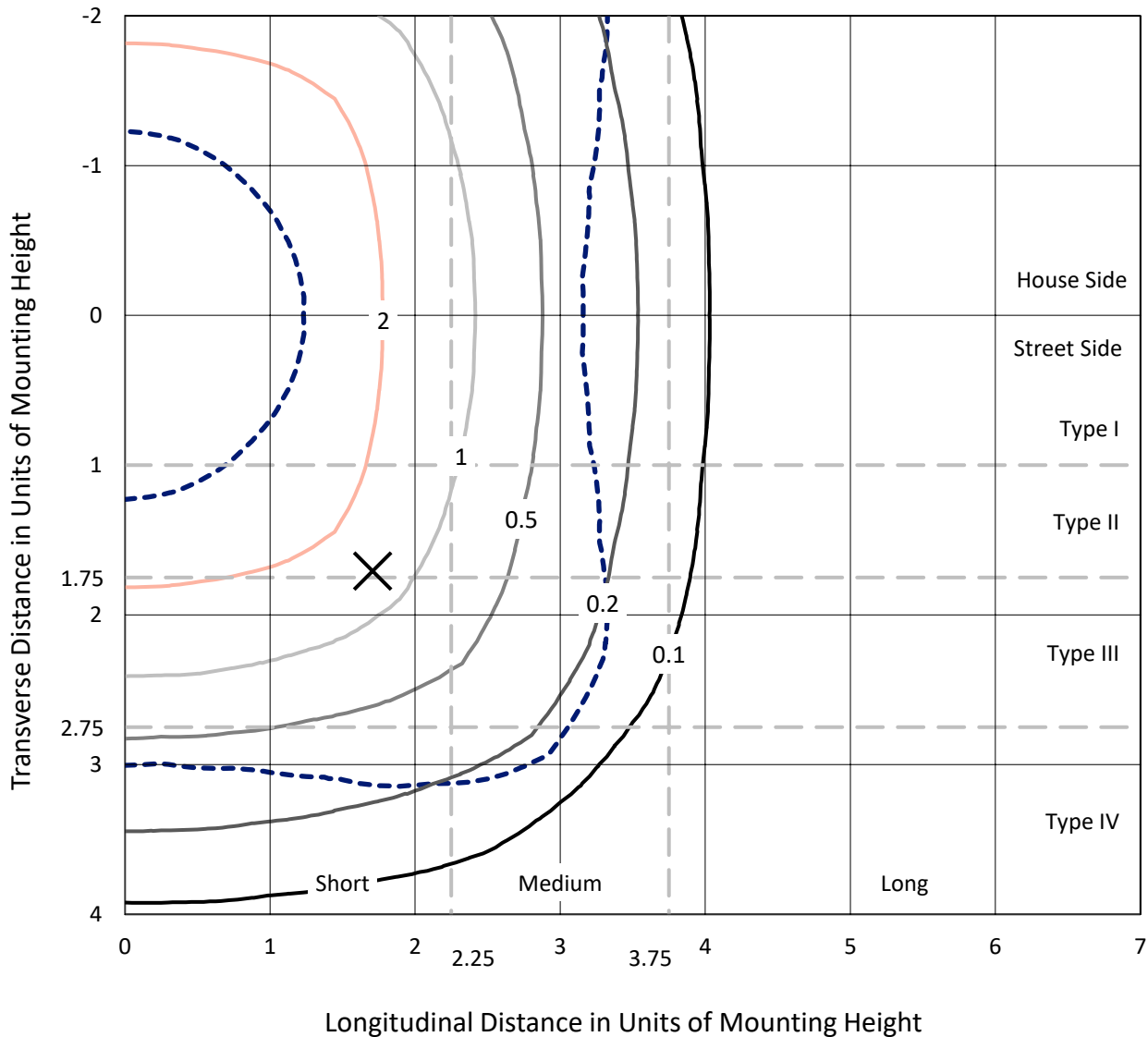
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

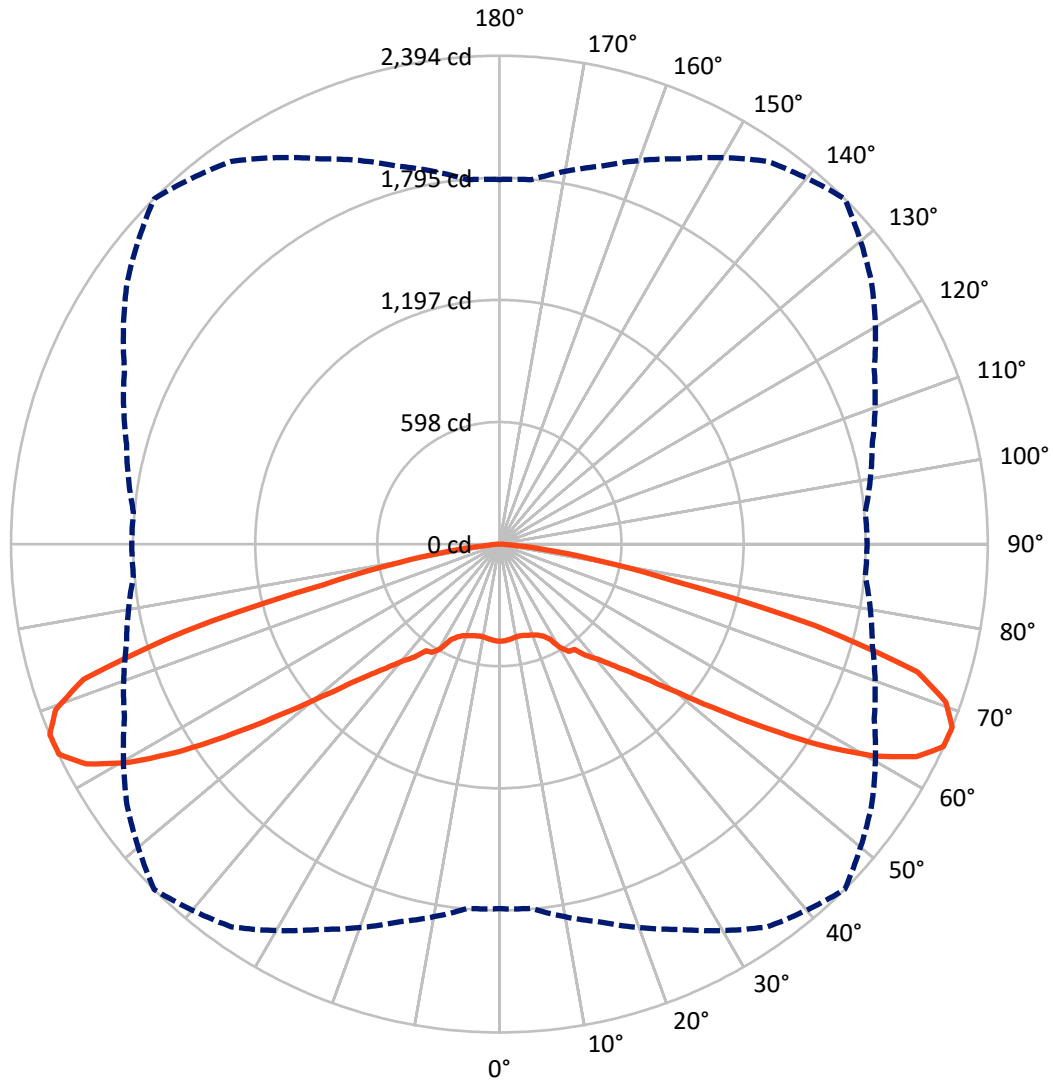
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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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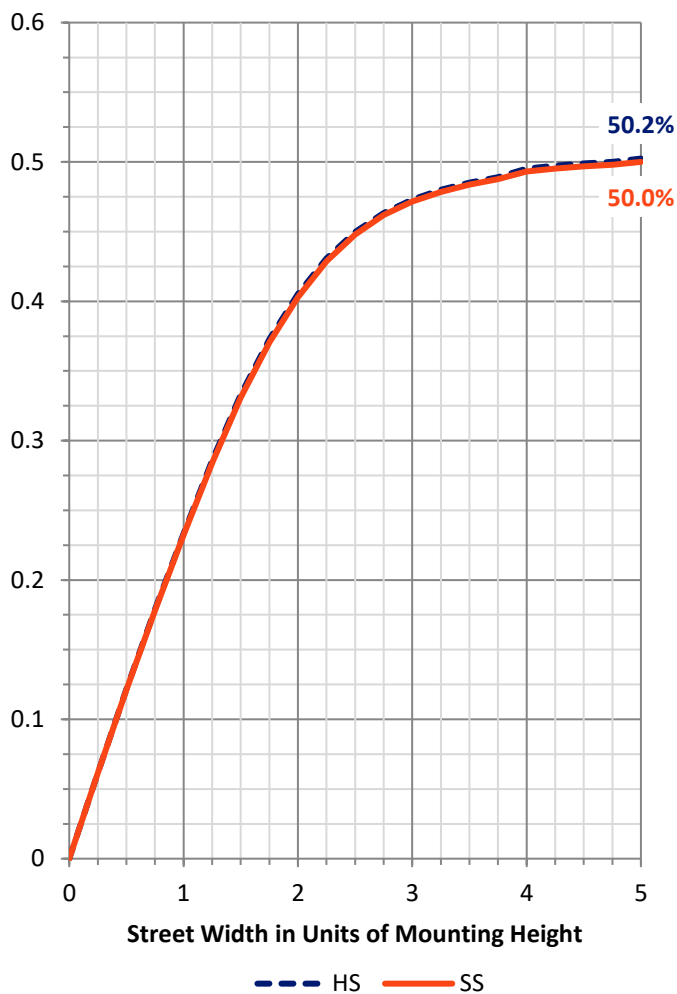
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3031.6	0.0	3031.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3031.6	0.0	3031.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6063.2	0.0	6063.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	0.7
10°-20°	132.5	2.2
20°-30°	237.7	3.9
30°-40°	401.5	6.6
40°-50°	705.4	11.6
50°-60°	1360.7	22.4
60°-70°	1974.2	32.6
70°-80°	1129.6	18.6
80°-90°	77.1	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°	6063.2	100.0
0°-180°	6063.2	100.0

Coefficient of Utilization

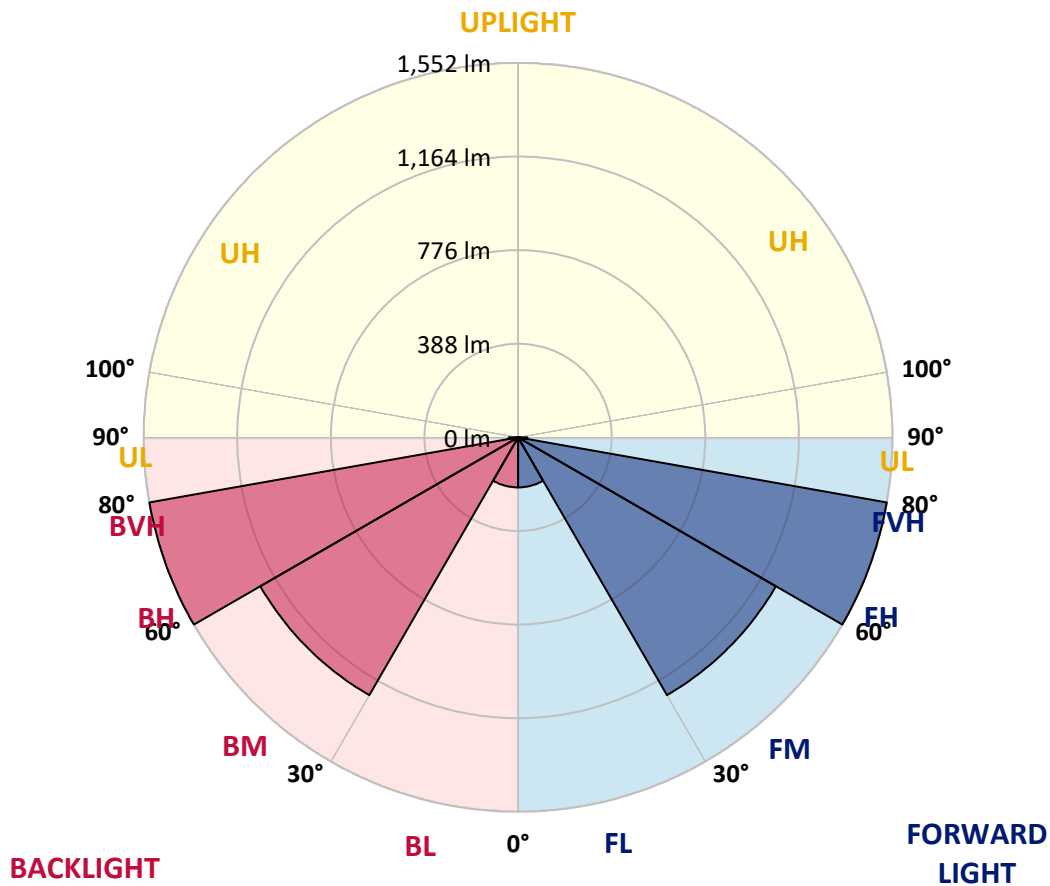


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.4	3.4			
FM (30°-60°)	1233.8	20.3			
FH (60°-80°)	1551.9	25.6			G1/1800
FVH (80°-90°)	38.5	0.6			G1/100
BL (0°-30°)	207.4	3.4	B1/500		
BM (30°-60°)	1233.8	20.3	B2/2500		
BH (60°-80°)	1551.9	25.6	B3/2500		G1/1800
BVH (80°-90°)	38.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5
2.5°	471.6	472.0	472.9	472.9	473.8	475.0	475.5	474.6	475.0	472.9	475.0
5°	470.3	470.8	471.2	470.3	470.3	470.8	470.8	469.9	470.3	468.2	470.3
7.5°	467.3	467.8	467.8	466.5	465.2	466.0	466.0	465.2	465.6	463.5	466.0
10°	464.8	464.8	464.3	461.8	460.5	461.8	462.2	462.6	464.3	462.6	465.6
12.5°	466.5	466.5	465.2	461.8	459.6	460.5	461.3	462.2	465.2	464.8	468.2
15°	471.2	471.6	468.2	464.3	463.0	464.3	463.5	463.0	466.9	468.2	472.0
17.5°	475.0	475.0	470.8	466.9	467.3	469.5	467.8	465.6	469.5	472.0	476.3
20°	478.5	478.1	473.3	470.8	472.5	475.5	474.2	471.2	473.8	476.8	480.6
22.5°	487.1	486.6	481.5	480.2	481.9	484.9	483.6	481.1	484.1	488.3	493.1
25°	511.5	510.6	502.9	498.6	497.8	499.9	499.5	498.6	503.3	508.5	514.1
27.5°	544.1	543.6	538.1	533.8	528.2	526.5	527.8	531.6	538.5	542.4	547.1
30°	560.4	560.4	559.5	566.4	578.4	590.0	581.0	566.4	560.4	558.7	563.4
32.5°	581.8	584.0	581.0	588.7	608.8	626.0	608.8	585.2	581.0	581.0	586.1
35°	631.1	632.0	627.3	626.0	632.4	634.5	626.4	617.8	622.5	623.4	629.8
37.5°	670.6	670.6	668.4	671.8	685.1	693.3	680.0	664.6	665.8	666.7	674.8
40°	731.4	733.2	728.0	727.6	732.7	740.0	725.9	716.0	722.9	725.0	737.4
42.5°	807.3	807.3	799.6	797.5	800.9	808.6	795.3	788.9	797.9	799.6	806.9
45°	897.8	899.9	889.6	885.8	887.5	890.1	880.6	877.6	886.2	890.1	902.9
47.5°	1008.0	1010.1	1001.1	1000.7	999.0	1000.7	991.7	990.0	996.8	993.8	1007.6
50°	1143.9	1147.8	1140.0	1150.8	1149.5	1154.6	1142.2	1133.2	1133.2	1125.0	1132.7
52.5°	1296.1	1303.8	1307.7	1325.7	1339.4	1352.3	1331.7	1317.5	1297.0	1280.2	1301.2
55°	1462.0	1459.9	1484.3	1523.8	1564.1	1594.5	1554.2	1509.6	1476.2	1441.4	1449.6
57.5°	1607.4	1614.7	1646.8	1718.8	1798.6	1862.9	1790.4	1704.7	1628.8	1579.1	1585.9
60°	1728.3	1734.3	1777.1	1880.9	2020.2	2109.0	1994.1	1852.6	1742.4	1673.8	1681.1
62.5°	1839.7	1845.3	1888.6	2003.1	2178.9	2294.6	2146.3	1952.9	1830.3	1761.3	1765.6
65°	1904.1	1907.5	1966.7	2087.1	2272.4	2392.0	2224.8	2025.4	1904.9	1834.6	1837.2
67.5°	1787.0	1792.6	1917.3	2083.7	2290.4	2393.7	2228.2	2027.5	1892.1	1800.3	1802.4
70°	1409.7	1405.0	1553.8	1839.7	2187.0	2321.7	2129.1	1875.3	1666.1	1537.9	1535.8
72.5°	1074.9	1076.2	1158.9	1354.8	1783.2	2142.4	1878.8	1510.0	1284.5	1187.2	1183.3
75°	779.5	791.5	858.8	1002.4	1247.2	1601.4	1414.4	1119.0	968.1	909.8	901.2
77.5°	351.1	366.6	460.5	629.4	833.9	884.9	888.4	759.7	573.2	476.3	461.3
80°	102.5	109.8	141.1	241.4	388.4	502.1	398.7	335.3	208.8	163.8	156.1
82.5°	43.3	49.3	60.5	66.9	112.8	232.8	144.9	92.2	85.7	69.5	63.5
85°	18.4	19.7	25.3	27.0	36.4	49.7	45.9	41.6	39.9	30.9	28.3
87.5°	7.7	7.7	7.7	6.9	6.4	6.9	9.4	12.0	15.9	12.4	11.6
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)