

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: P633291

Luminaire Tested: GWS-SA2E-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633291
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-SA2E-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14792.4 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

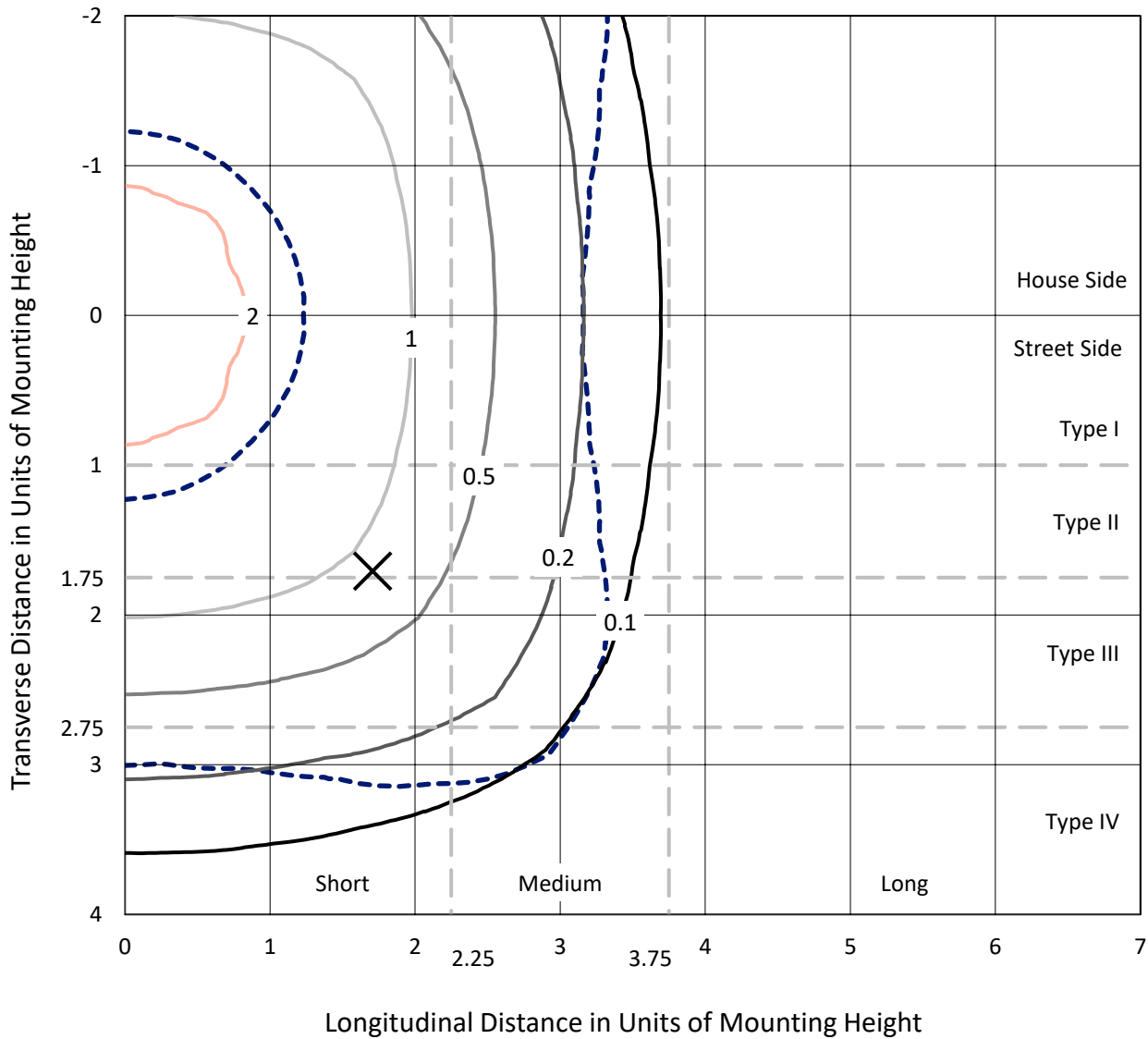
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

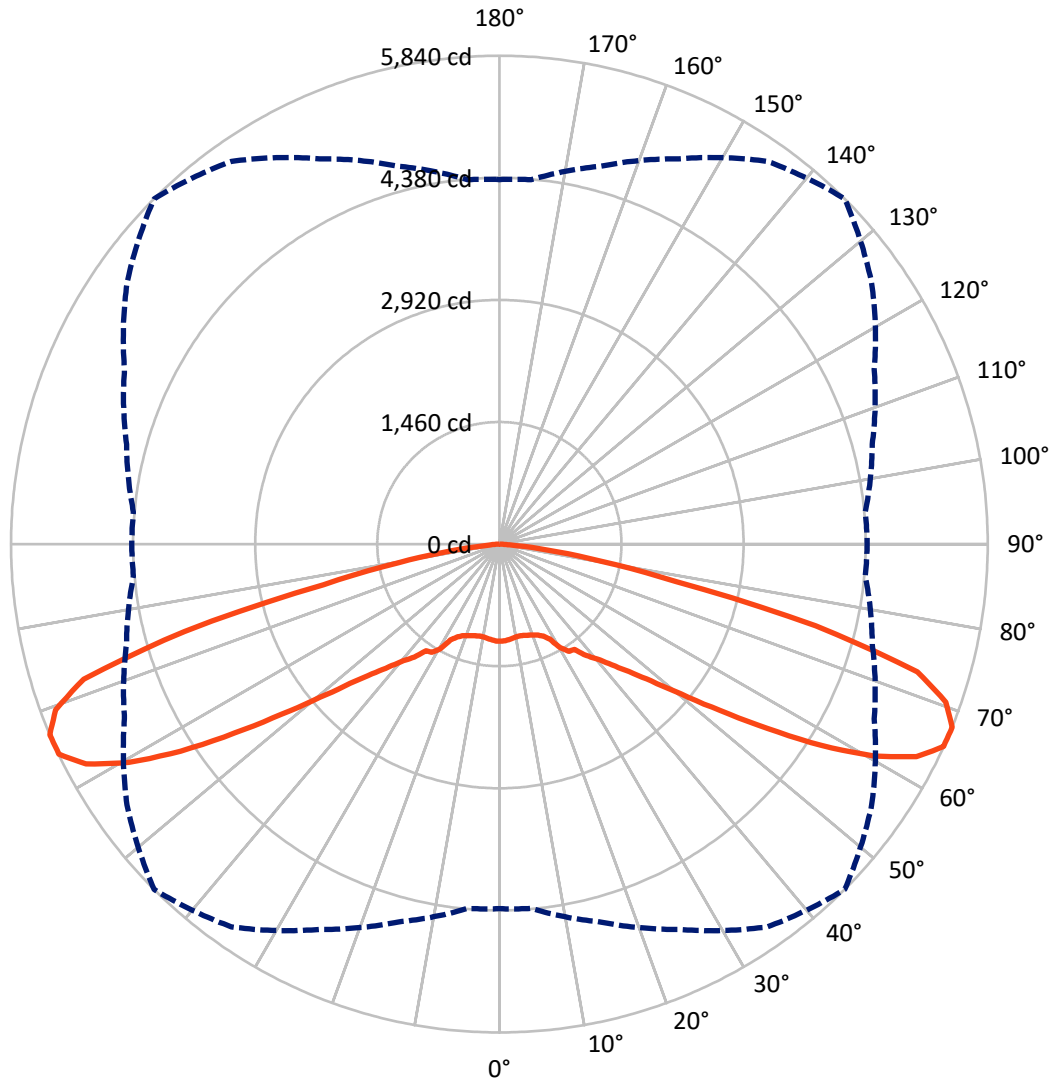
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 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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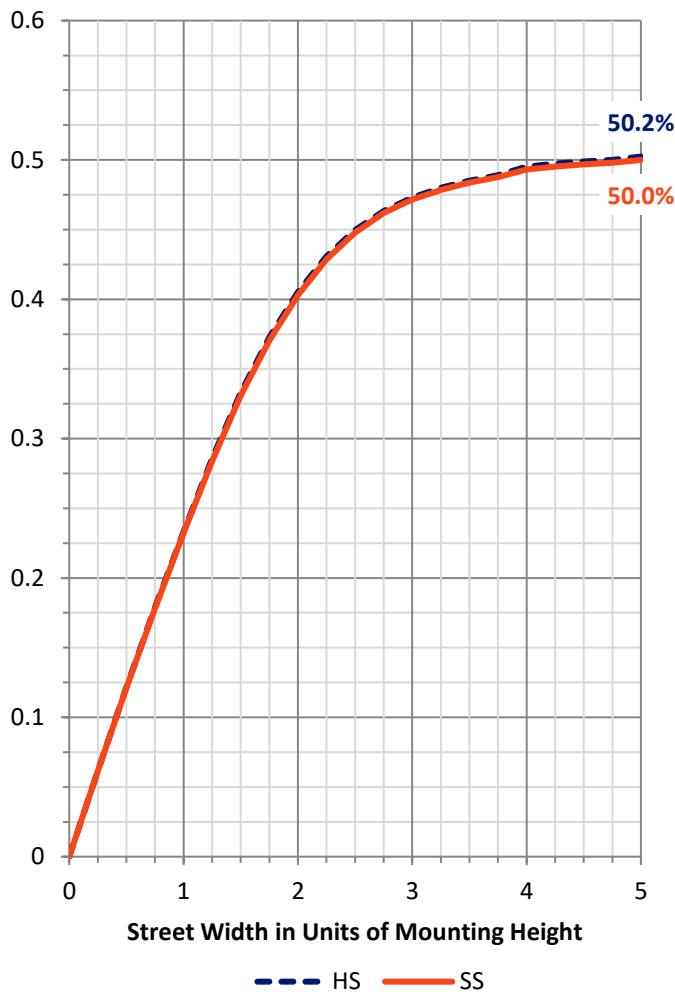
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7396.2	0.0	7396.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7396.2	0.0	7396.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14792.4	0.0	14792.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	0.7
10°-20°	323.2	2.2
20°-30°	579.8	3.9
30°-40°	979.5	6.6
40°-50°	1720.9	11.6
50°-60°	3319.7	22.4
60°-70°	4816.5	32.6
70°-80°	2755.8	18.6
80°-90°	188.1	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°	14792.4	100.0
0°-180°	14792.4	100.0

Coefficient of Utilization



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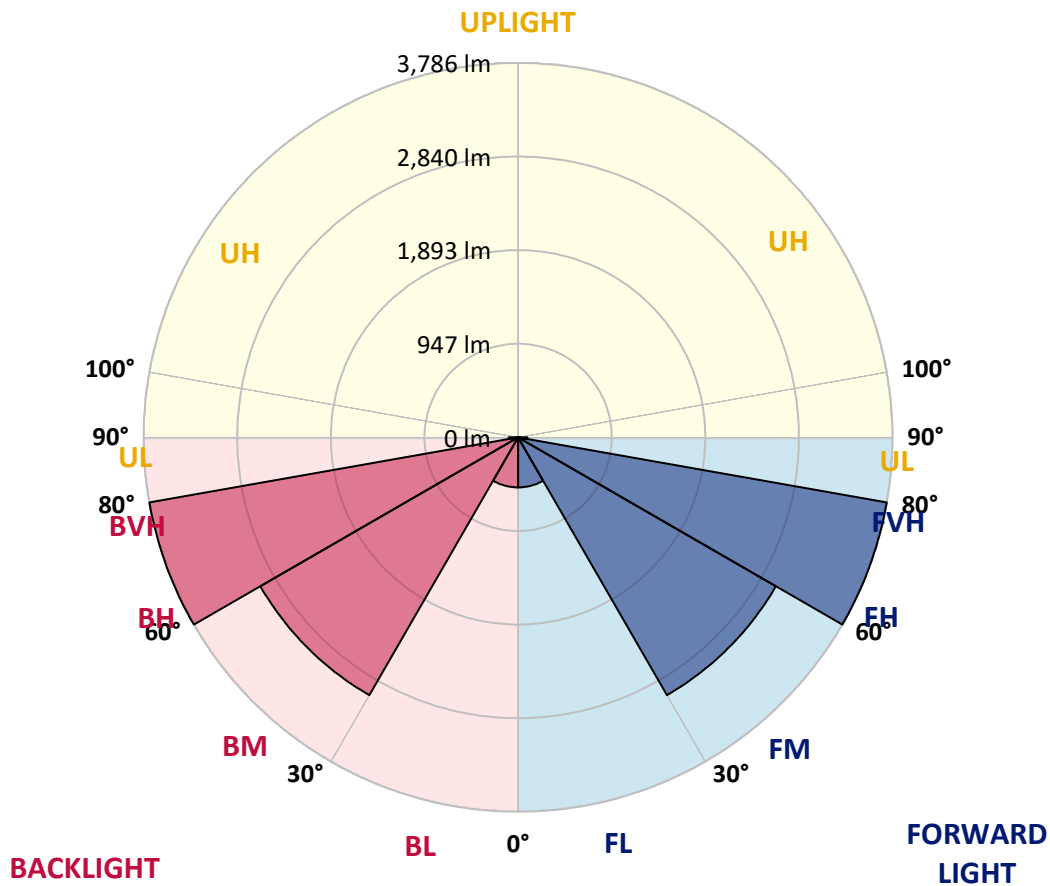
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	506.0	3.4			
FM (30°-60°)	3010.1	20.3			
FH (60°-80°)	3786.1	25.6			G2/5000
FVH (80°-90°)	94.0	0.6			G1/100
BL (0°-30°)	506.0	3.4	B2/1000		
BM (30°-60°)	3010.1	20.3	B3/5000		
BH (60°-80°)	3786.1	25.6	B4/5000		G2/5000
BVH (80°-90°)	94.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0
2.5°	1150.6	1151.7	1153.8	1153.8	1155.8	1159.0	1160.0	1157.9	1159.0	1153.8	1159.0
5°	1147.5	1148.5	1149.6	1147.5	1147.5	1148.5	1148.5	1146.4	1147.5	1142.2	1147.5
7.5°	1140.2	1141.2	1141.2	1138.1	1134.9	1137.0	1137.0	1134.9	1136.0	1130.7	1137.0
10°	1133.9	1133.9	1132.8	1126.6	1123.4	1126.6	1127.6	1128.6	1132.8	1128.6	1136.0
12.5°	1138.1	1138.1	1134.9	1126.6	1121.3	1123.4	1125.5	1127.6	1134.9	1133.9	1142.2
15°	1149.6	1150.6	1142.2	1132.8	1129.7	1132.8	1130.7	1129.7	1139.1	1142.2	1151.7
17.5°	1159.0	1159.0	1148.5	1139.1	1140.2	1145.4	1141.2	1136.0	1145.4	1151.7	1162.1
20°	1167.3	1166.3	1154.8	1148.5	1152.7	1160.0	1156.9	1149.6	1155.8	1163.2	1172.6
22.5°	1188.3	1187.2	1174.7	1171.5	1175.7	1183.0	1179.9	1173.6	1180.9	1191.4	1202.9
25°	1247.9	1245.8	1227.0	1216.5	1214.4	1219.6	1218.6	1216.5	1228.0	1240.6	1254.2
27.5°	1327.4	1326.3	1312.7	1302.3	1288.7	1284.5	1287.6	1297.1	1313.8	1323.2	1334.7
30°	1367.1	1367.1	1365.0	1381.8	1411.1	1439.3	1417.3	1381.8	1367.1	1363.0	1374.5
32.5°	1419.4	1424.7	1417.3	1436.2	1485.3	1527.2	1485.3	1427.8	1417.3	1417.3	1429.9
35°	1539.7	1541.8	1530.3	1527.2	1542.9	1548.1	1528.2	1507.3	1518.8	1520.9	1536.6
37.5°	1636.0	1636.0	1630.7	1639.1	1671.5	1691.4	1659.0	1621.3	1624.5	1626.5	1646.4
40°	1784.5	1788.7	1776.1	1775.1	1787.6	1805.4	1770.9	1746.8	1763.6	1768.8	1799.1
42.5°	1969.6	1969.6	1950.8	1945.6	1953.9	1972.8	1940.4	1924.7	1946.6	1950.8	1968.6
45°	2190.3	2195.6	2170.5	2161.1	2165.2	2171.5	2148.5	2141.2	2162.1	2171.5	2202.9
47.5°	2459.2	2464.4	2442.4	2441.4	2437.2	2441.4	2419.4	2415.2	2432.0	2424.7	2458.1
50°	2790.8	2800.2	2781.3	2807.5	2804.4	2816.9	2786.6	2764.6	2764.6	2744.7	2763.6
52.5°	3162.1	3180.9	3190.3	3234.3	3267.7	3299.1	3248.9	3214.4	3164.2	3123.4	3174.6
55°	3566.9	3561.7	3621.3	3717.5	3815.8	3890.1	3791.8	3683.0	3601.4	3516.7	3536.6
57.5°	3921.5	3939.3	4017.7	4193.5	4388.0	4544.9	4368.1	4158.9	3973.8	3852.5	3869.2
60°	4216.5	4231.1	4335.7	4588.8	4928.8	5145.3	4865.0	4519.8	4251.0	4083.6	4101.4
62.5°	4488.4	4502.0	4607.7	4887.0	5315.8	5598.3	5236.3	4764.6	4465.4	4297.0	4307.5
65°	4645.3	4653.7	4798.1	5092.0	5543.9	5835.7	5427.8	4941.4	4647.4	4475.9	4482.2
67.5°	4359.8	4373.4	4677.8	5083.6	5587.8	5839.9	5436.1	4946.6	4616.0	4392.2	4397.4
70°	3439.3	3427.8	3790.7	4488.4	5335.7	5664.1	5194.5	4575.3	4064.8	3752.0	3746.8
72.5°	2622.3	2625.5	2827.4	3305.4	4350.4	5226.9	4583.6	3684.1	3133.8	2896.4	2887.0
75°	1901.6	1930.9	2095.2	2445.6	3042.8	3906.9	3450.8	2730.1	2361.9	2219.6	2198.7
77.5°	856.7	894.3	1123.4	1535.5	2034.5	2159.0	2167.3	1853.5	1398.5	1162.1	1125.5
80°	250.0	267.8	344.1	588.9	947.7	1224.9	972.8	818.0	509.4	399.6	380.7
82.5°	105.6	120.3	147.5	163.2	275.1	568.0	353.6	224.9	209.2	169.5	154.8
85°	45.0	48.1	61.7	65.9	88.9	121.3	111.9	101.5	97.3	75.3	69.0
87.5°	18.8	18.8	18.8	16.7	15.7	16.7	23.0	29.3	38.7	30.3	28.2
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)