

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: P632408

Luminaire Tested: GWS-SA2C-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632408
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-SA2C-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9759.7 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

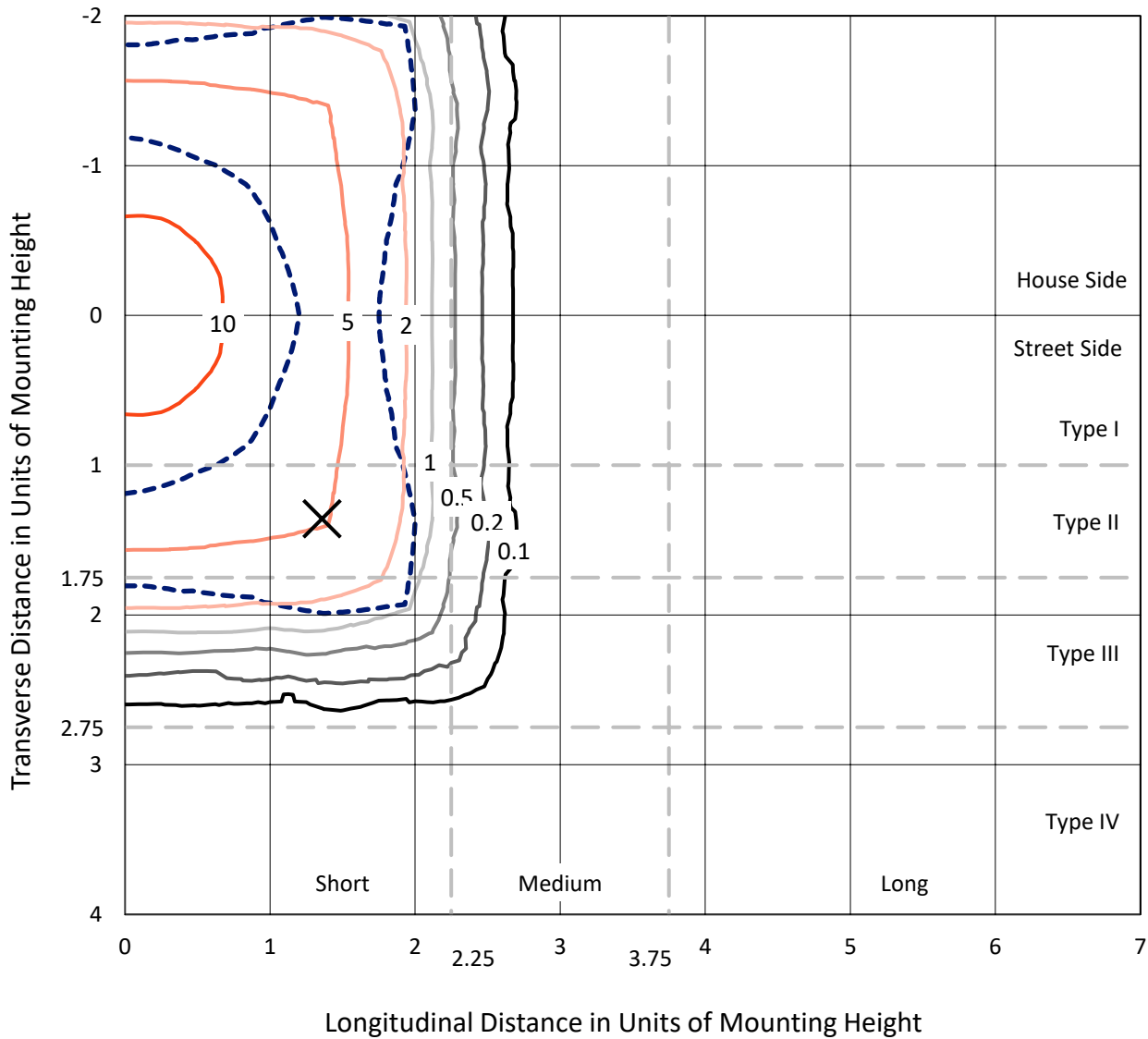
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

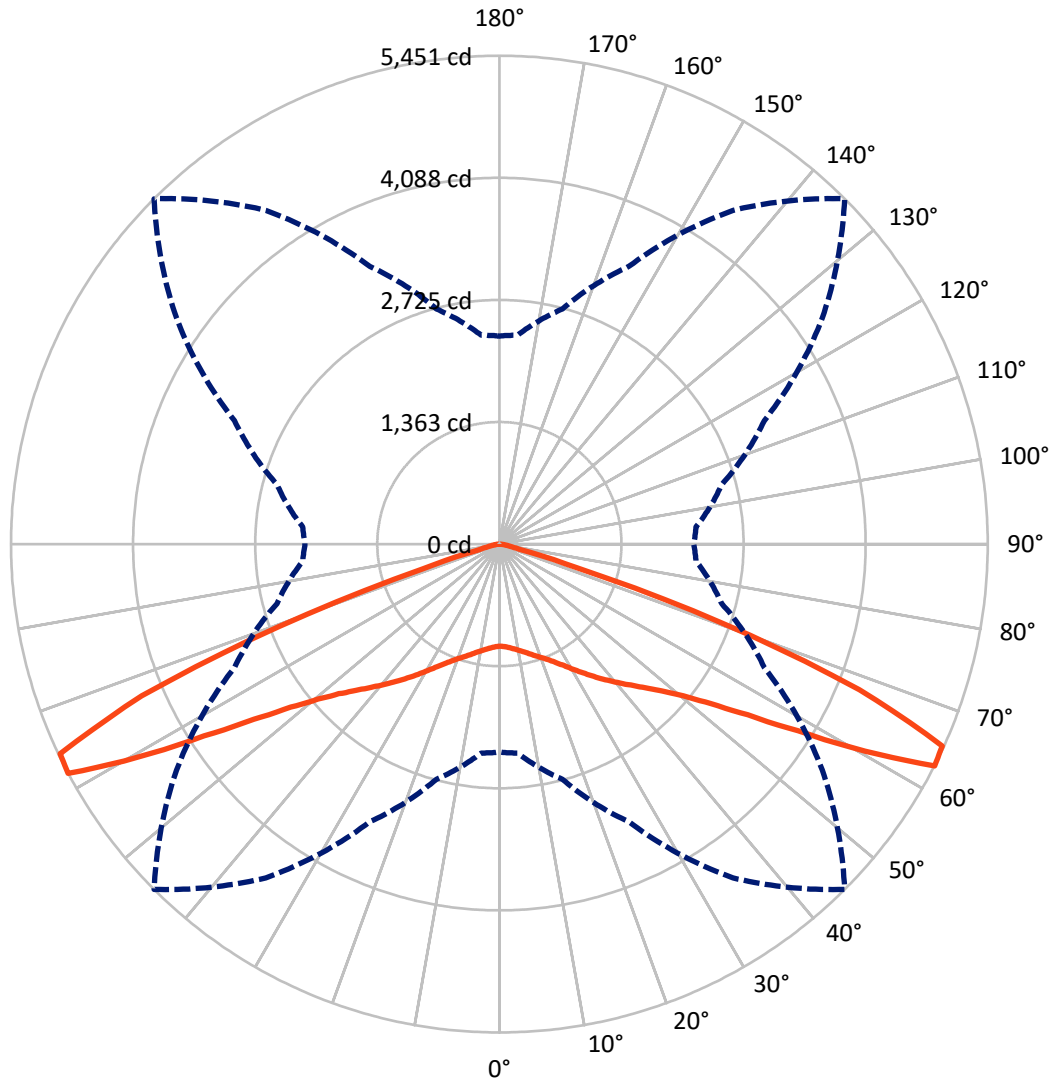
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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	4879.8	0.0	4879.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4879.8	0.0	4879.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9759.7	0.0	9759.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	1.1
10°-20°	360.3	3.7
20°-30°	681.6	7.0
30°-40°	1147.2	11.8
40°-50°	1832.8	18.8
50°-60°	2954.4	30.3
60°-70°	2410.5	24.7
70°-80°	234.1	2.4
80°-90°	27.2	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°	9759.7	100.0
0°-180°	9759.7	100.0

Coefficient of Utilization



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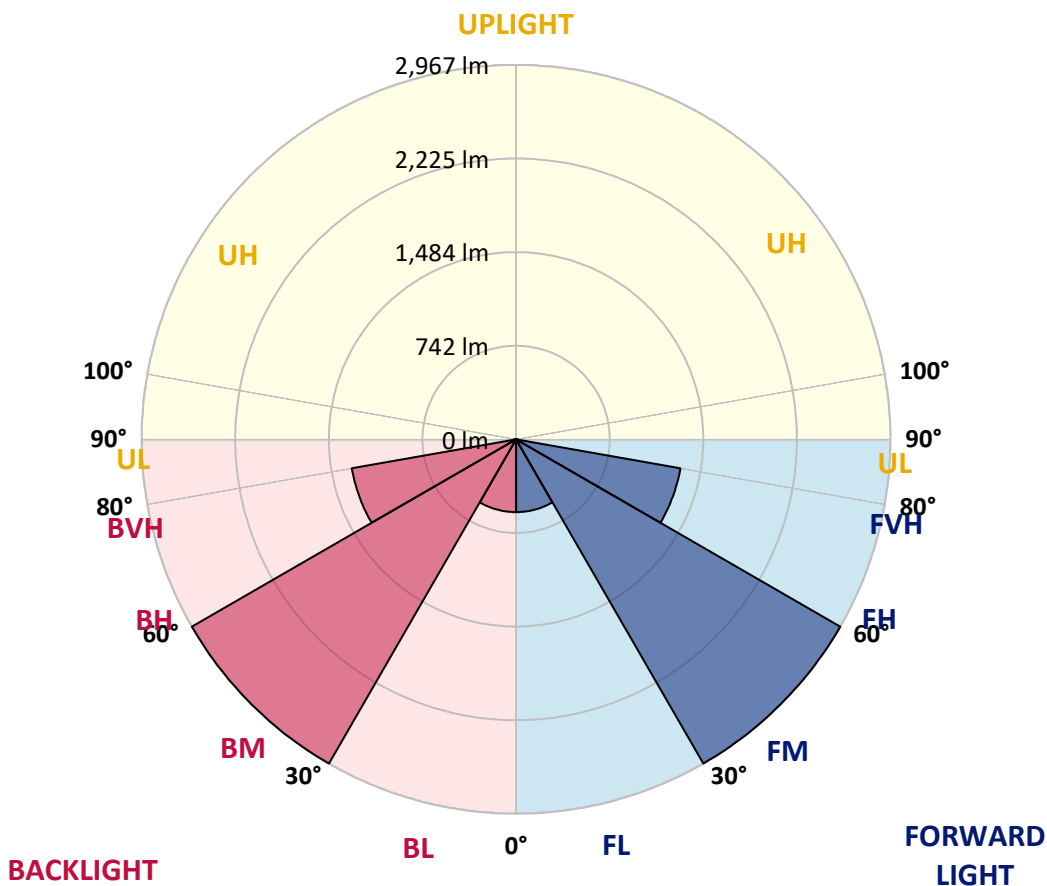
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	576.8	5.9			
FM (30°-60°)	2967.2	30.4			
FH (60°-80°)	1322.3	13.5			G1/1800
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	576.8	5.9	B2/1000		
BM (30°-60°)	2967.2	30.4	B3/5000		
BH (60°-80°)	1322.3	13.5	B3/2500		G1/1800
BVH (80°-90°)	13.6	0.1			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°	1138.6	1138.6	1138.6	1138.6	1138.6	1138.6	1138.6	1138.6	1138.6	1138.6	1138.6
2.5°	1137.3	1137.3	1139.9	1141.9	1140.6	1146.0	1145.3	1144.0	1143.3	1141.3	1147.3
5°	1152.7	1152.7	1154.7	1156.7	1153.3	1160.0	1157.3	1156.0	1155.3	1152.7	1158.0
7.5°	1170.1	1172.1	1172.7	1176.1	1174.1	1181.4	1179.4	1176.8	1175.4	1172.1	1176.8
10°	1189.5	1190.8	1191.5	1197.5	1198.2	1206.9	1204.9	1201.5	1198.8	1195.5	1202.2
12.5°	1215.6	1216.2	1218.3	1225.6	1227.6	1234.3	1233.7	1229.0	1225.6	1220.9	1228.3
15°	1249.0	1249.7	1253.1	1260.4	1263.8	1271.8	1269.1	1261.8	1257.1	1251.7	1257.7
17.5°	1283.9	1286.5	1289.9	1297.2	1301.9	1311.3	1308.0	1299.9	1295.9	1290.5	1294.6
20°	1328.7	1329.4	1331.4	1339.4	1342.8	1353.5	1354.1	1346.1	1344.1	1338.7	1344.8
22.5°	1378.2	1378.9	1380.9	1389.6	1395.6	1402.3	1406.3	1401.7	1398.3	1391.6	1399.0
25°	1433.1	1439.8	1441.8	1452.5	1459.2	1463.2	1467.9	1465.9	1461.2	1453.2	1456.6
27.5°	1510.1	1511.4	1514.8	1526.8	1530.9	1534.9	1539.6	1540.2	1533.5	1524.2	1528.8
30°	1597.8	1597.1	1604.5	1613.9	1617.2	1620.5	1627.2	1631.3	1622.6	1612.5	1617.2
32.5°	1687.5	1695.5	1704.9	1713.6	1711.6	1712.9	1723.6	1731.0	1718.9	1700.9	1704.9
35°	1788.6	1793.9	1806.0	1818.7	1816.0	1814.0	1820.7	1828.1	1811.3	1787.9	1793.9
37.5°	1892.3	1900.3	1918.4	1933.8	1929.8	1920.4	1927.8	1935.8	1919.8	1893.0	1890.3
40°	2008.1	2020.8	2046.9	2059.7	2048.9	2030.9	2043.6	2063.0	2046.9	2016.1	2008.8
42.5°	2144.0	2159.4	2185.5	2204.9	2181.5	2152.0	2173.4	2201.6	2197.5	2156.7	2144.0
45°	2312.0	2322.0	2354.2	2363.6	2328.7	2287.9	2326.7	2369.6	2359.5	2315.4	2298.6
47.5°	2494.7	2510.1	2538.3	2555.7	2499.4	2448.6	2502.8	2560.3	2549.6	2508.1	2488.7
50°	2727.7	2747.8	2784.6	2799.3	2721.7	2663.4	2733.0	2806.0	2785.3	2729.7	2704.3
52.5°	2981.4	2997.4	3060.4	3089.8	3016.9	2953.9	3014.8	3086.5	3042.3	2968.7	2934.5
55°	3204.9	3221.0	3313.4	3411.1	3407.8	3364.3	3395.1	3396.4	3276.6	3154.7	3118.6
57.5°	3253.1	3269.2	3445.3	3701.0	3881.7	3931.9	3841.5	3651.4	3349.5	3136.0	3095.2
60°	2996.1	3014.2	3294.0	3761.2	4355.6	4691.0	4274.6	3646.1	3124.0	2834.8	2796.0
62.5°	2321.4	2340.8	2717.0	3418.5	4547.0	5450.7	4400.4	3262.5	2569.7	2203.6	2169.4
65°	1108.5	1108.5	1586.4	2451.9	4165.5	5432.6	4036.3	2413.8	1546.9	1188.1	1158.7
67.5°	274.4	275.8	408.3	954.5	2833.4	4335.5	2879.6	1158.7	544.9	385.6	375.5
70°	171.4	170.7	189.4	258.4	991.3	2631.3	1177.4	349.4	221.6	195.5	194.1
72.5°	133.2	133.2	142.6	165.3	259.7	896.3	343.4	194.1	160.6	144.6	144.6
75°	105.1	105.1	111.8	123.8	153.3	230.9	182.7	143.9	124.5	113.8	112.5
77.5°	78.3	79.7	85.0	93.0	104.4	129.9	115.8	108.4	97.1	89.0	86.3
80°	50.9	52.9	59.6	64.3	68.3	85.7	75.6	79.0	73.6	64.3	62.9
82.5°	27.4	28.1	36.1	37.5	38.8	46.9	48.2	50.2	52.2	40.8	38.2
85°	10.0	10.0	12.0	14.1	15.4	16.7	22.8	28.1	29.5	23.4	22.8
87.5°	2.0	2.0	2.0	1.3	1.3	1.3	4.0	7.4	12.0	9.4	9.4
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)