

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: P630923

Luminaire Tested: GWS-SA1E-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630923
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-SA1E-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7990.5 lumens
Efficiency: N/A
Efficacy: 136.8 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

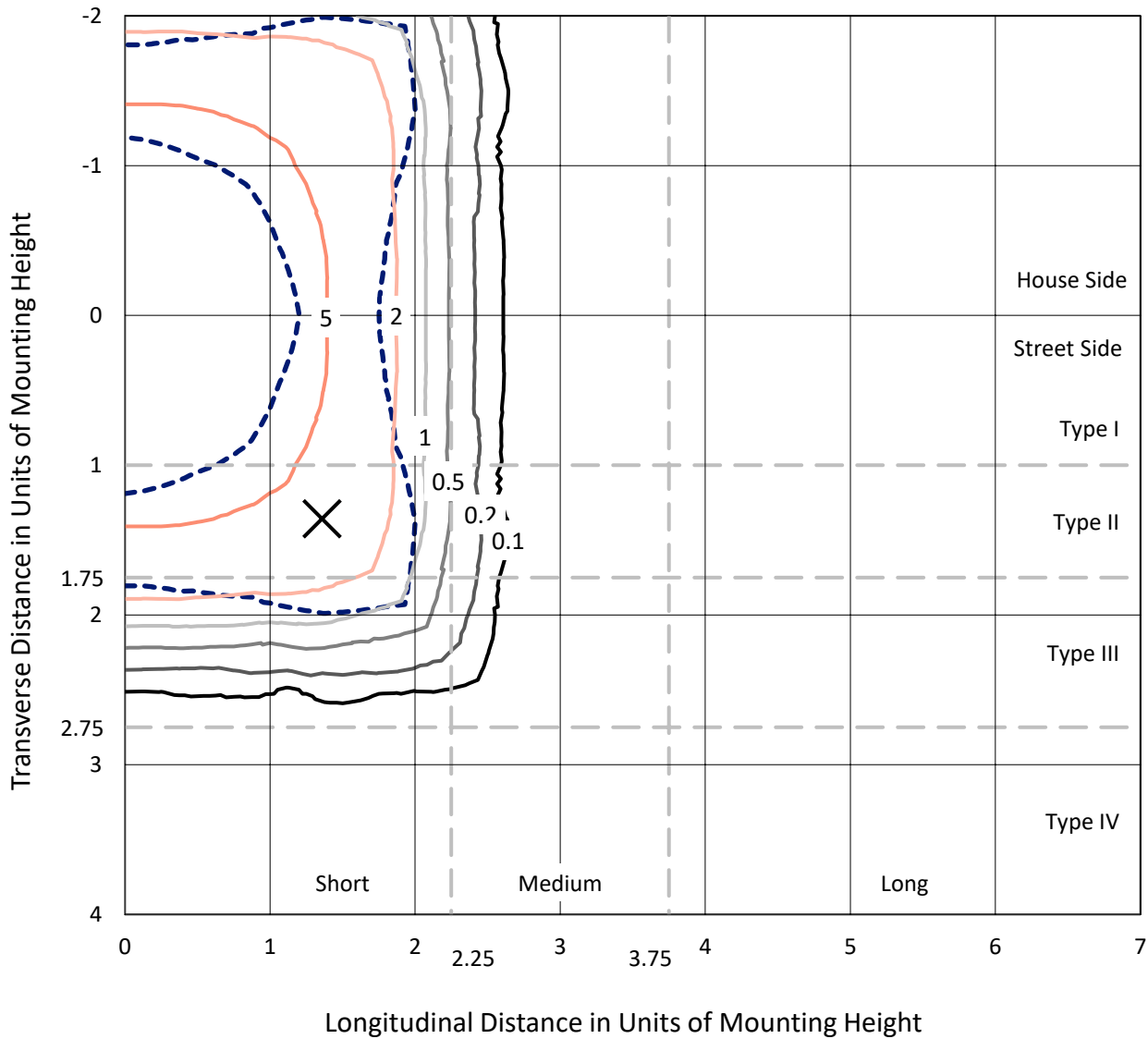
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630923
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Iso-Footcandle Lines of Horizontal Illumination

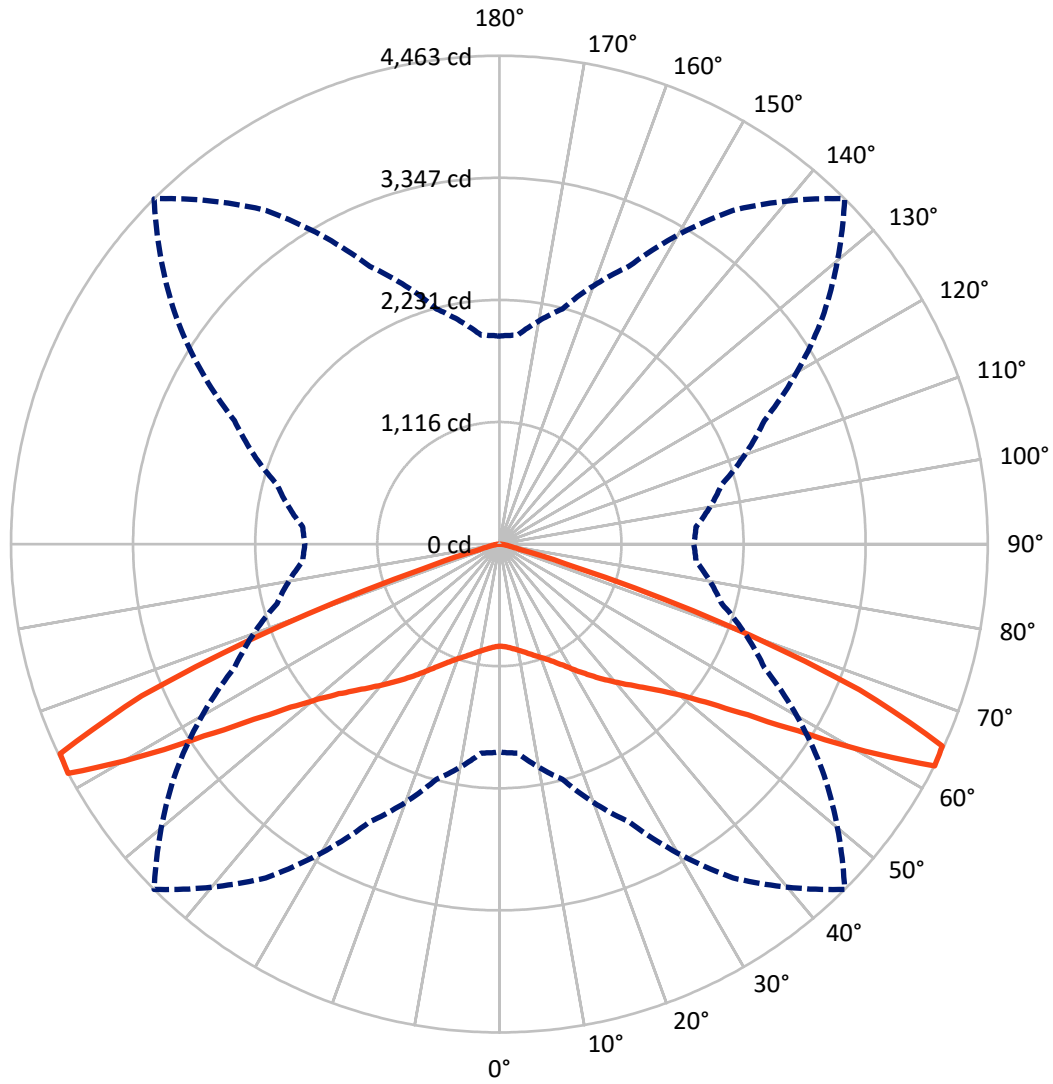
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

REPORT NUMBER: P630923
CATALOG NUMBER: GWS-SA1E-760-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P630923

CATALOG NUMBER: GWS-SA1E-760-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3995.2	0.0	3995.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3995.2	0.0	3995.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7990.5	0.0	7990.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.1
10°-20°	294.9	3.7
20°-30°	558.0	7.0
30°-40°	939.2	11.8
40°-50°	1500.6	18.8
50°-60°	2418.8	30.3
60°-70°	1973.5	24.7
70°-80°	191.6	2.4
80°-90°	22.3	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°	7990.5	100.0
0°-180°	7990.5	100.0

Coefficient of Utilization



REPORT NUMBER: P630923

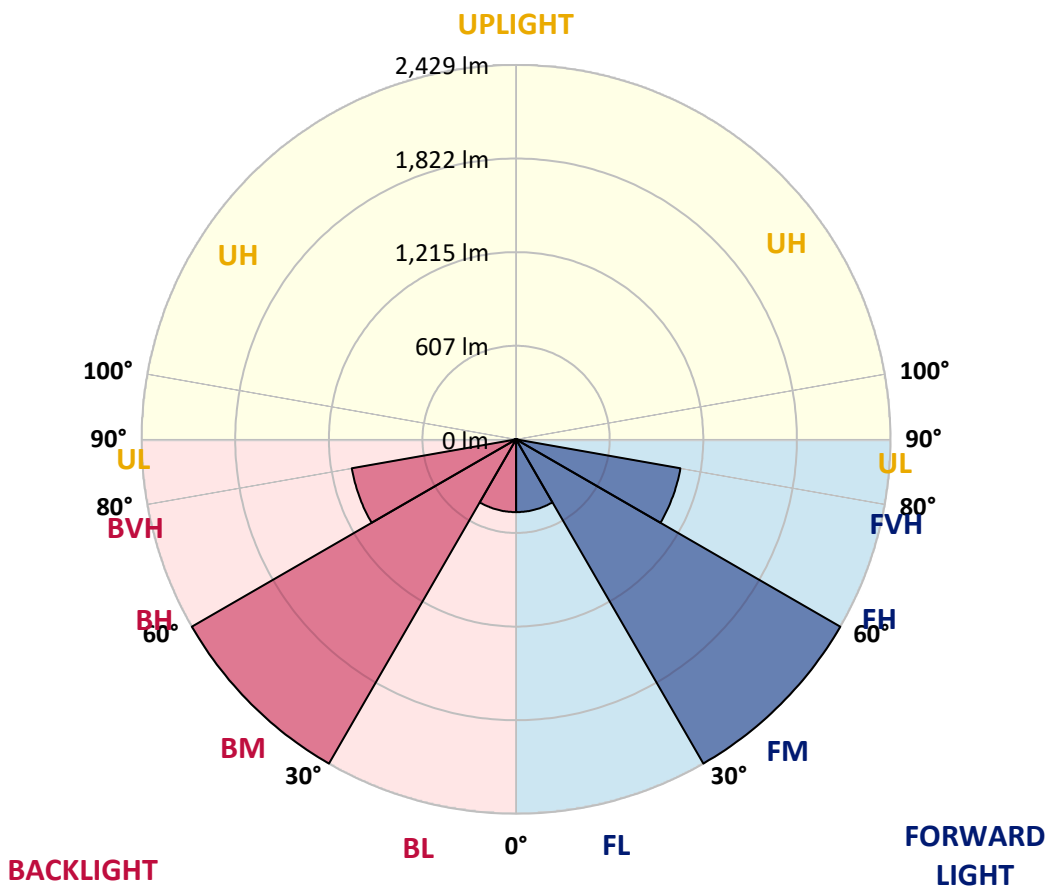
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.2	5.9			
FM (30°-60°)	2429.3	30.4			
FH (60°-80°)	1082.6	13.5			G1/1800
FVH (80°-90°)	11.1	0.1			G1/100
BL (0°-30°)	472.2	5.9	B1/500		
BM (30°-60°)	2429.3	30.4	B2/2500		
BH (60°-80°)	1082.6	13.5	B3/2500		G1/1800
BVH (80°-90°)	11.1	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°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2
2.5°	931.1	931.1	933.3	934.9	933.8	938.2	937.7	936.6	936.0	934.4	939.3
5°	943.7	943.7	945.4	947.0	944.3	949.7	947.5	946.4	945.9	943.7	948.1
7.5°	958.0	959.6	960.1	962.9	961.2	967.3	965.6	963.4	962.3	959.6	963.4
10°	973.8	974.9	975.5	980.4	981.0	988.1	986.5	983.7	981.5	978.8	984.3
12.5°	995.2	995.8	997.4	1003.4	1005.1	1010.6	1010.0	1006.2	1003.4	999.6	1005.6
15°	1022.6	1023.2	1025.9	1031.9	1034.7	1041.3	1039.1	1033.0	1029.2	1024.8	1029.7
17.5°	1051.1	1053.3	1056.1	1062.1	1065.9	1073.6	1070.9	1064.3	1061.0	1056.6	1059.9
20°	1087.8	1088.4	1090.0	1096.6	1099.3	1108.1	1108.7	1102.1	1100.4	1096.1	1101.0
22.5°	1128.4	1128.9	1130.6	1137.7	1142.6	1148.1	1151.4	1147.6	1144.8	1139.4	1145.4
25°	1173.3	1178.8	1180.5	1189.2	1194.7	1198.0	1201.8	1200.2	1196.4	1189.8	1192.5
27.5°	1236.4	1237.5	1240.2	1250.1	1253.3	1256.6	1260.5	1261.0	1255.5	1247.9	1251.7
30°	1308.1	1307.6	1313.6	1321.3	1324.0	1326.8	1332.3	1335.5	1328.4	1320.2	1324.0
32.5°	1381.6	1388.2	1395.8	1403.0	1401.3	1402.4	1411.2	1417.2	1407.3	1392.5	1395.8
35°	1464.3	1468.7	1478.6	1489.0	1486.8	1485.2	1490.6	1496.7	1483.0	1463.8	1468.7
37.5°	1549.3	1555.9	1570.7	1583.3	1580.0	1572.3	1578.3	1584.9	1571.8	1549.8	1547.6
40°	1644.1	1654.5	1675.9	1686.3	1677.5	1662.7	1673.1	1689.0	1675.9	1650.7	1644.6
42.5°	1755.3	1767.9	1789.3	1805.2	1786.0	1761.9	1779.5	1802.5	1799.2	1765.8	1755.3
45°	1892.9	1901.1	1927.4	1935.1	1906.6	1873.2	1905.0	1940.0	1931.8	1895.6	1881.9
47.5°	2042.5	2055.1	2078.1	2092.4	2046.3	2004.7	2049.1	2096.2	2087.4	2053.5	2037.6
50°	2233.2	2249.7	2279.8	2291.9	2228.3	2180.6	2237.6	2297.3	2280.4	2234.9	2214.0
52.5°	2440.9	2454.1	2505.6	2529.7	2470.0	2418.5	2468.3	2527.0	2490.8	2430.5	2402.6
55°	2624.0	2637.1	2712.8	2792.8	2790.0	2754.4	2779.6	2780.7	2682.6	2582.9	2553.3
57.5°	2663.4	2676.6	2820.7	3030.1	3178.0	3219.1	3145.1	2989.5	2742.3	2567.5	2534.1
60°	2453.0	2467.8	2696.9	3079.4	3566.0	3840.6	3499.7	2985.1	2557.7	2320.9	2289.1
62.5°	1900.6	1916.5	2224.5	2798.8	3722.8	4462.6	3602.8	2671.1	2103.9	1804.1	1776.2
65°	907.5	907.5	1298.8	2007.4	3410.4	4447.8	3304.6	1976.2	1266.5	972.8	948.6
67.5°	224.7	225.8	334.3	781.5	2319.8	3549.6	2357.6	948.6	446.1	315.7	307.4
70°	140.3	139.7	155.1	211.5	811.6	2154.3	964.0	286.1	181.4	160.0	158.9
72.5°	109.1	109.1	116.7	135.4	212.6	733.8	281.1	158.9	131.5	118.4	118.4
75°	86.0	86.0	91.5	101.4	125.5	189.1	149.6	117.8	101.9	93.2	92.1
77.5°	64.1	65.2	69.6	76.2	85.5	106.3	94.8	88.8	79.5	72.9	70.7
80°	41.7	43.3	48.8	52.6	55.9	70.1	61.9	64.7	60.3	52.6	51.5
82.5°	22.5	23.0	29.6	30.7	31.8	38.4	39.5	41.1	42.7	33.4	31.2
85°	8.2	8.2	9.9	11.5	12.6	13.7	18.6	23.0	24.1	19.2	18.6
87.5°	1.6	1.6	1.6	1.1	1.1	1.1	3.3	6.0	9.9	7.7	7.7
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)