

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: P631033

Luminaire Tested: GWS-SA1E-830-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631033
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-830-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6291.6 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

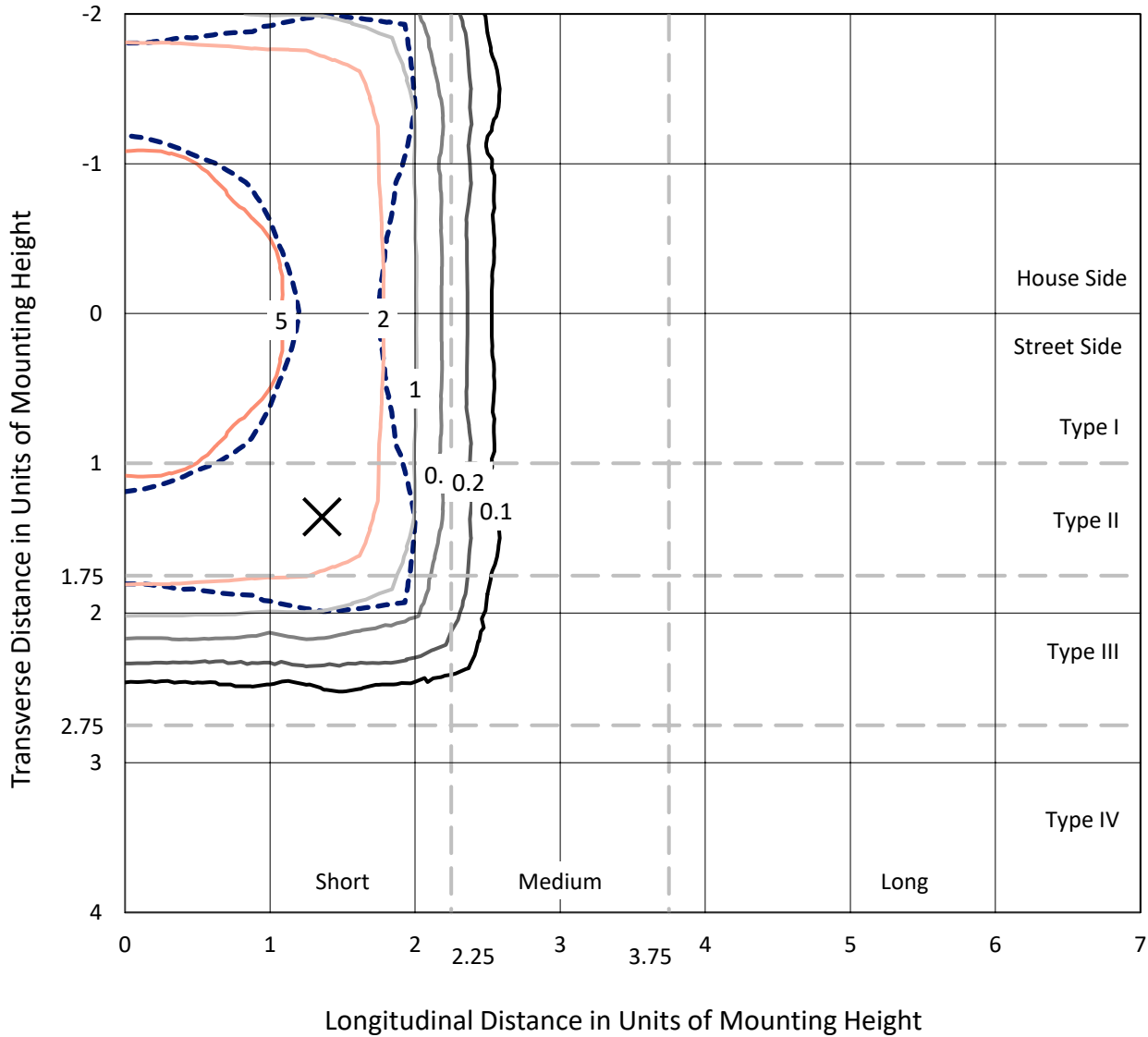
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

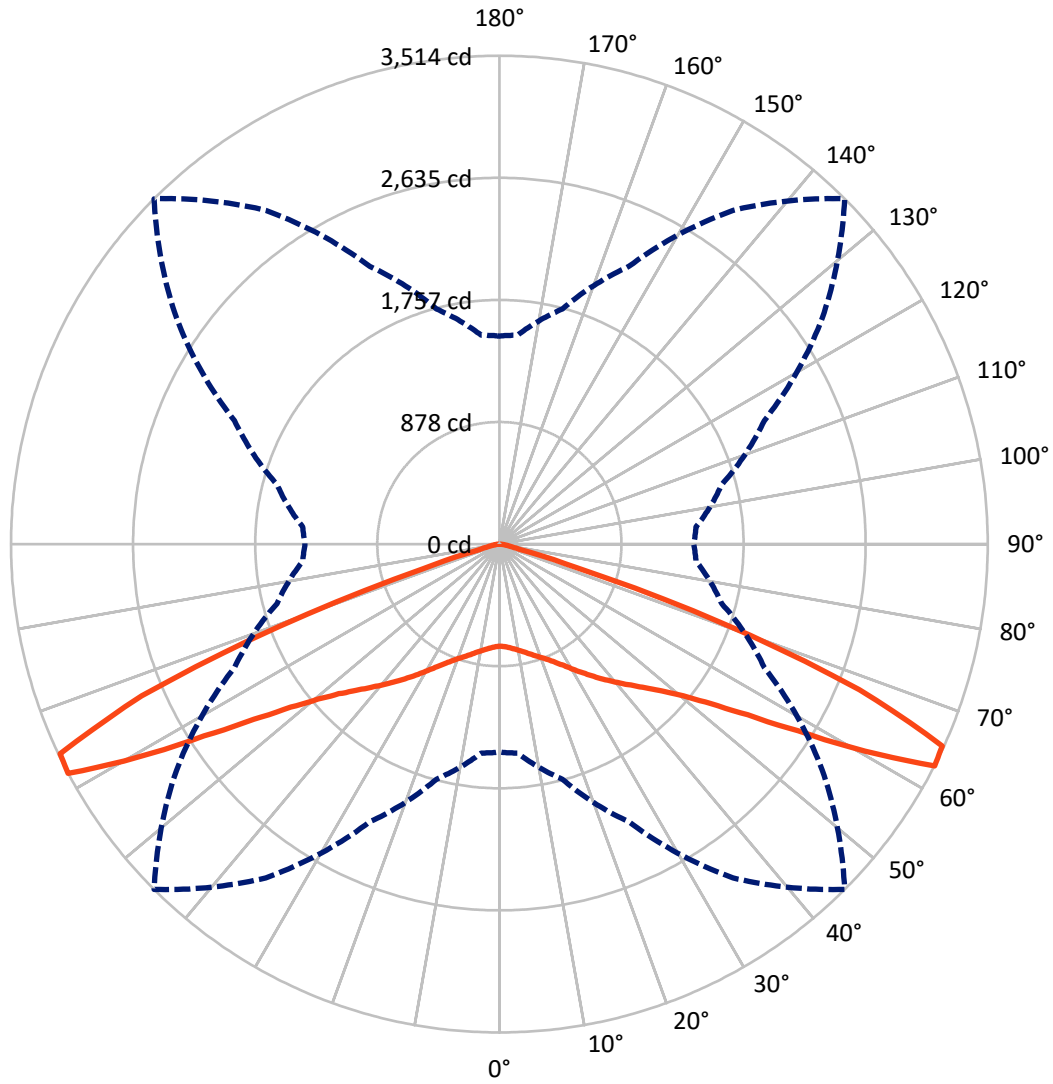
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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	3145.8	0.0	3145.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3145.8	0.0	3145.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6291.6	0.0	6291.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.1
10°-20°	232.2	3.7
20°-30°	439.4	7.0
30°-40°	739.5	11.8
40°-50°	1181.5	18.8
50°-60°	1904.6	30.3
60°-70°	1553.9	24.7
70°-80°	150.9	2.4
80°-90°	17.6	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°	6291.6	100.0
0°-180°	6291.6	100.0

Coefficient of Utilization



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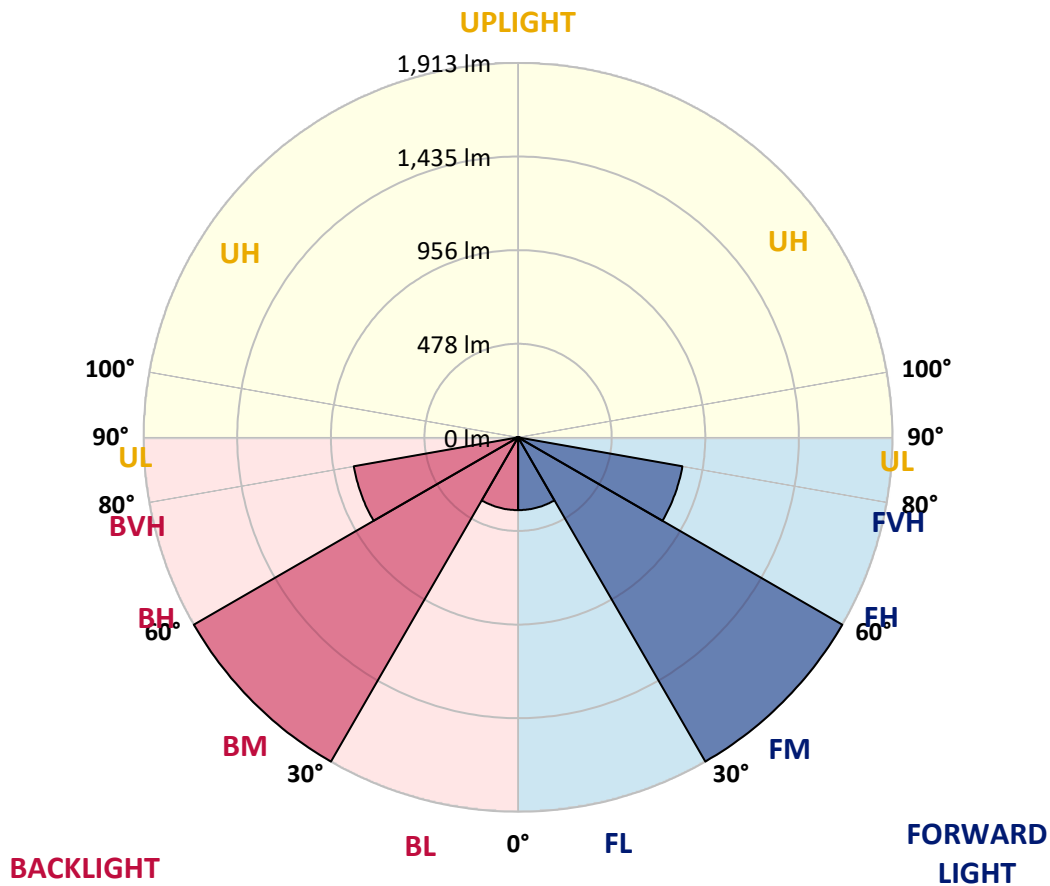
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.8	5.9			
FM (30°-60°)	1912.8	30.4			
FH (60°-80°)	852.4	13.5			G1/1800
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	371.8	5.9	B1/500		
BM (30°-60°)	1912.8	30.4	B2/2500		
BH (60°-80°)	852.4	13.5	B2/1000		G1/1800
BVH (80°-90°)	8.8	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	734.0	734.0	734.0	734.0	734.0	734.0	734.0	734.0	734.0	734.0	734.0
2.5°	733.1	733.1	734.9	736.2	735.3	738.7	738.3	737.5	737.0	735.7	739.6
5°	743.1	743.1	744.4	745.7	743.5	747.8	746.1	745.2	744.8	743.1	746.5
7.5°	754.3	755.6	756.0	758.2	756.9	761.6	760.3	758.6	757.7	755.6	758.6
10°	766.8	767.7	768.1	772.0	772.4	778.0	776.7	774.6	772.8	770.7	775.0
12.5°	783.6	784.1	785.3	790.1	791.4	795.7	795.3	792.3	790.1	787.1	791.8
15°	805.2	805.6	807.8	812.5	814.7	819.9	818.1	813.4	810.4	806.9	810.8
17.5°	827.6	829.4	831.5	836.3	839.3	845.3	843.2	838.0	835.4	832.0	834.5
20°	856.5	857.0	858.3	863.5	865.6	872.5	872.9	867.8	866.5	863.0	866.9
22.5°	888.5	888.9	890.2	895.8	899.7	904.0	906.6	903.6	901.4	897.1	901.9
25°	923.9	928.2	929.5	936.4	940.7	943.3	946.3	945.0	942.0	936.8	939.0
27.5°	973.5	974.4	976.5	984.3	986.9	989.5	992.5	992.9	988.6	982.6	985.6
30°	1030.0	1029.6	1034.3	1040.4	1042.5	1044.7	1049.0	1051.6	1046.0	1039.5	1042.5
32.5°	1087.8	1093.0	1099.1	1104.7	1103.4	1104.2	1111.1	1115.9	1108.1	1096.5	1099.1
35°	1153.0	1156.4	1164.2	1172.4	1170.7	1169.4	1173.7	1178.5	1167.7	1152.6	1156.4
37.5°	1219.9	1225.1	1236.7	1246.6	1244.0	1238.0	1242.8	1247.9	1237.6	1220.3	1218.6
40°	1294.5	1302.7	1319.6	1327.8	1320.9	1309.2	1317.4	1329.9	1319.6	1299.7	1295.0
42.5°	1382.1	1392.1	1408.9	1421.4	1406.3	1387.3	1401.1	1419.2	1416.7	1390.3	1382.1
45°	1490.4	1496.9	1517.6	1523.7	1501.2	1474.9	1499.9	1527.5	1521.1	1492.6	1481.8
47.5°	1608.2	1618.2	1636.3	1647.5	1611.3	1578.5	1613.4	1650.5	1643.6	1616.9	1604.4
50°	1758.4	1771.4	1795.1	1804.6	1754.5	1717.0	1761.9	1808.9	1795.5	1759.7	1743.3
52.5°	1921.9	1932.3	1972.9	1991.9	1944.8	1904.3	1943.5	1989.7	1961.2	1913.8	1891.7
55°	2066.1	2076.4	2136.0	2199.0	2196.8	2168.8	2188.6	2189.5	2112.2	2033.7	2010.4
57.5°	2097.1	2107.5	2221.0	2385.8	2502.3	2534.7	2476.4	2353.9	2159.3	2021.6	1995.3
60°	1931.4	1943.1	2123.5	2424.7	2807.8	3024.0	2755.6	2350.4	2013.9	1827.4	1802.4
62.5°	1496.5	1509.0	1751.5	2203.7	2931.3	3513.8	2836.8	2103.2	1656.6	1420.5	1398.5
65°	714.6	714.6	1022.7	1580.6	2685.3	3502.1	2602.0	1556.0	997.2	765.9	746.9
67.5°	176.9	177.8	263.2	615.3	1826.6	2794.9	1856.4	746.9	351.2	248.6	242.1
70°	110.5	110.0	122.1	166.6	639.1	1696.3	759.0	225.2	142.8	126.0	125.1
72.5°	85.9	85.9	91.9	106.6	167.4	577.8	221.4	125.1	103.6	93.2	93.2
75°	67.7	67.7	72.1	79.8	98.8	148.9	117.8	92.8	80.3	73.4	72.5
77.5°	50.5	51.3	54.8	60.0	67.3	83.7	74.7	69.9	62.6	57.4	55.7
80°	32.8	34.1	38.4	41.4	44.0	55.2	48.8	50.9	47.5	41.4	40.6
82.5°	17.7	18.1	23.3	24.2	25.0	30.2	31.1	32.4	33.7	26.3	24.6
85°	6.5	6.5	7.8	9.1	9.9	10.8	14.7	18.1	19.0	15.1	14.7
87.5°	1.3	1.3	1.3	0.9	0.9	0.9	2.6	4.7	7.8	6.0	6.0
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)