

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: P630317

Luminaire Tested: GWS-SA1D-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-740-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

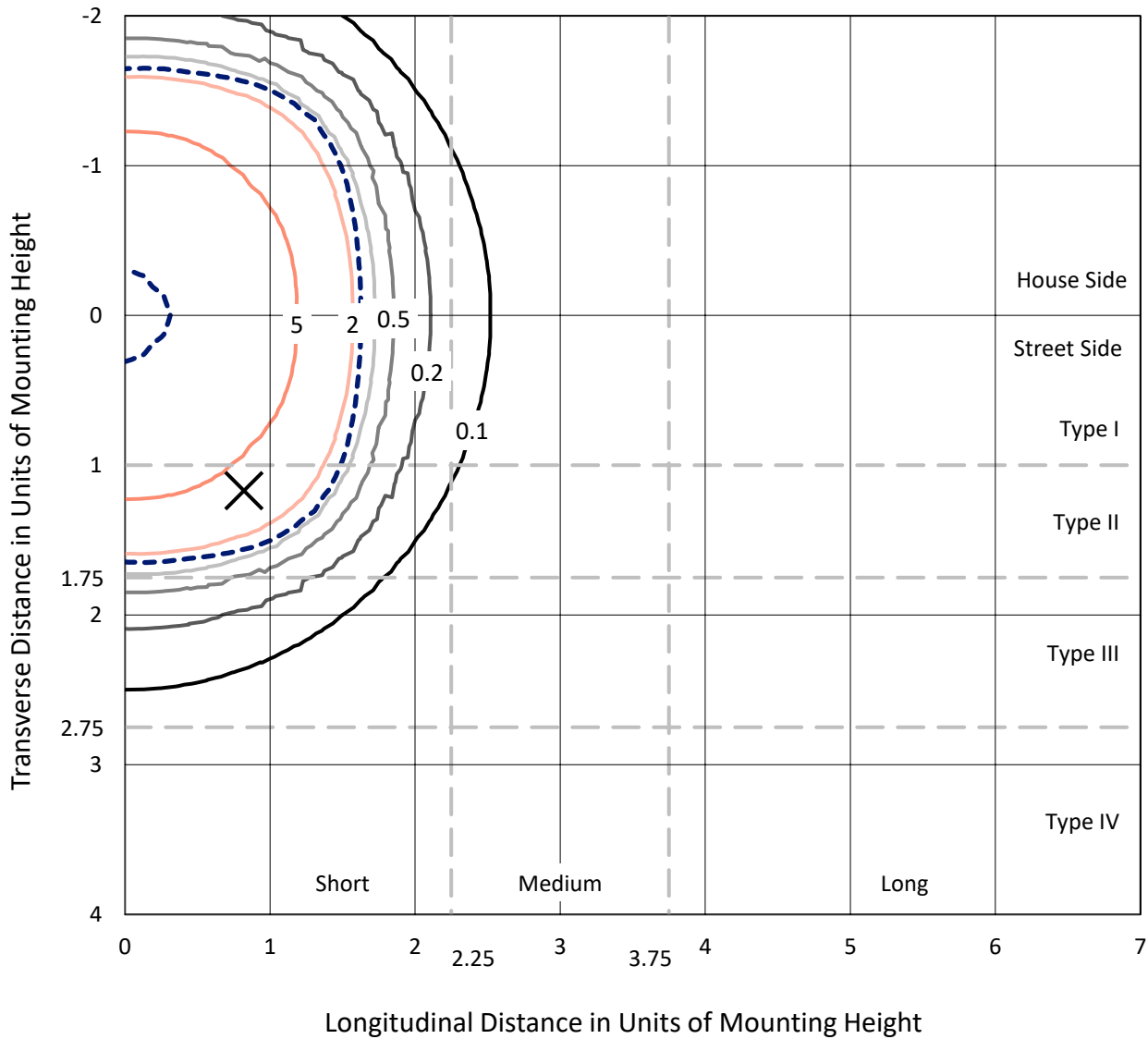
Lumens per Lamp: N/A  
Luminaire Lumens: 5497.1 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

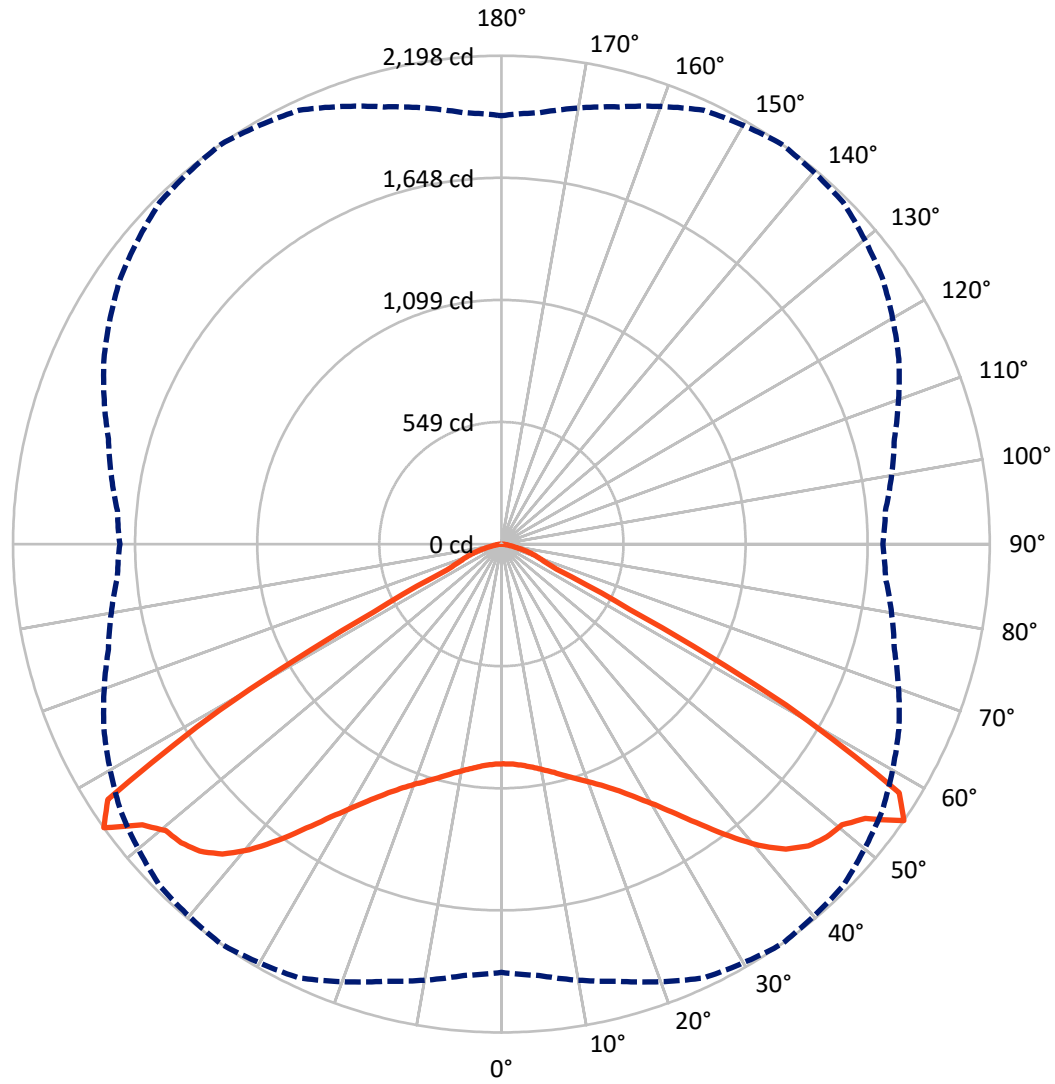
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2748.5	0.0	2748.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2748.5	0.0	2748.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5497.1	0.0	5497.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	1.8
10°-20°	307.1	5.6
20°-30°	568.4	10.3
30°-40°	950.8	17.3
40°-50°	1448.9	26.4
50°-60°	1623.0	29.5
60°-70°	384.0	7.0
70°-80°	103.5	1.9
80°-90°	14.9	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°	5497.1	100.0
0°-180°	5497.1	100.0

**Coefficient of Utilization**



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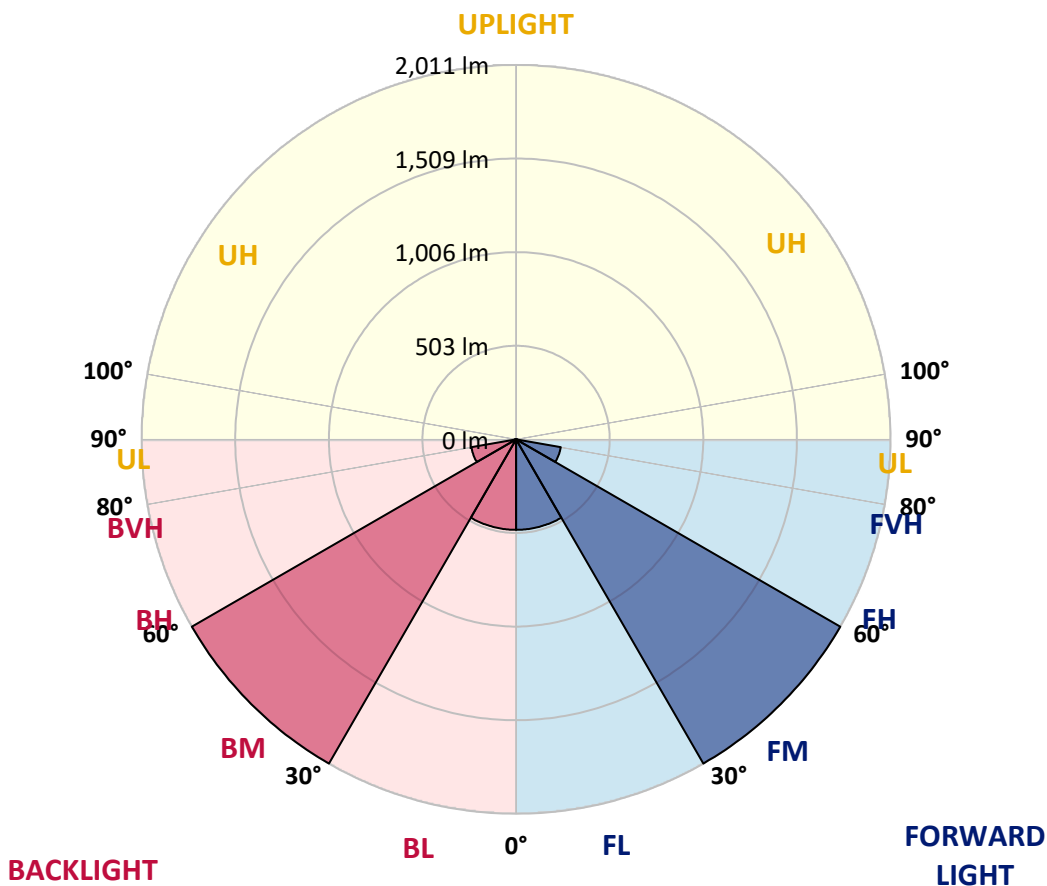
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.0	8.8			
FM (30°-60°)	2011.3	36.6			
FH (60°-80°)	243.8	4.4			G0/660
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	486.0	8.8	B1/500		
BM (30°-60°)	2011.3	36.6	B2/2500		
BH (60°-80°)	243.8	4.4	B1/500		G0/660
BVH (80°-90°)	7.4	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-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9
2.5°	986.8	986.8	988.5	990.7	991.1	995.5	994.6	992.9	992.0	990.2	994.2
5°	997.6	998.1	999.4	1000.7	999.8	1003.3	1002.0	999.8	998.5	996.3	1000.2
7.5°	1012.0	1012.0	1013.3	1015.0	1014.2	1019.4	1016.8	1013.7	1011.5	1008.9	1012.4
10°	1025.0	1025.9	1027.2	1030.7	1032.4	1038.1	1036.3	1032.0	1028.5	1025.5	1029.4
12.5°	1044.6	1045.5	1046.8	1051.5	1054.6	1060.2	1057.6	1051.5	1046.3	1042.0	1046.3
15°	1069.8	1068.9	1072.4	1078.5	1082.4	1087.6	1084.6	1074.1	1067.2	1061.5	1065.9
17.5°	1095.4	1095.0	1098.5	1106.3	1112.0	1118.9	1113.7	1101.5	1094.1	1087.2	1091.5
20°	1123.3	1124.6	1128.0	1135.4	1143.7	1152.8	1148.5	1135.4	1127.2	1119.4	1122.8
22.5°	1157.6	1158.0	1162.0	1171.5	1182.4	1191.1	1188.5	1172.4	1162.0	1153.7	1158.0
25°	1198.9	1198.5	1203.7	1215.0	1230.2	1238.9	1233.2	1215.4	1204.1	1194.6	1198.0
27.5°	1246.3	1245.9	1253.7	1268.5	1290.2	1302.4	1290.6	1268.5	1252.8	1239.3	1242.4
30°	1305.8	1304.5	1313.2	1333.2	1361.5	1381.9	1364.5	1333.7	1313.2	1298.9	1301.9
32.5°	1371.9	1373.7	1384.5	1411.5	1447.1	1473.6	1447.6	1413.2	1385.8	1365.0	1368.4
35°	1444.5	1444.5	1466.7	1500.2	1551.0	1586.2	1545.8	1496.2	1459.7	1431.0	1431.9
37.5°	1525.4	1526.2	1555.4	1601.4	1667.9	1709.2	1654.5	1593.2	1548.8	1518.0	1516.2
40°	1624.0	1626.6	1656.6	1707.9	1782.7	1820.5	1761.8	1701.9	1656.6	1620.1	1616.7
42.5°	1735.3	1736.2	1767.9	1814.0	1877.0	1899.6	1853.6	1804.4	1767.5	1734.5	1731.0
45°	1841.4	1839.2	1866.6	1900.9	1937.5	1939.6	1914.0	1894.0	1861.8	1833.6	1828.3
47.5°	1924.0	1922.2	1947.0	1965.7	1970.1	1948.8	1957.0	1960.1	1922.7	1884.4	1874.4
50°	1974.4	1977.9	2001.4	2011.8	1986.1	1951.4	1982.7	1974.8	1921.4	1871.4	1855.3
52.5°	2004.8	2010.1	2050.9	2077.4	2050.9	2017.9	2022.2	1976.1	1899.2	1833.1	1812.3
55°	1927.9	1948.8	2037.0	2154.4	2197.8	2174.8	2092.2	1973.5	1831.0	1734.9	1717.1
57.5°	1428.9	1461.9	1592.7	1847.0	2111.3	2195.2	1954.0	1654.5	1438.4	1315.0	1304.5
60°	729.4	766.4	871.1	1132.4	1472.3	1590.6	1361.0	1059.4	842.0	742.0	730.7
62.5°	297.8	303.9	338.2	439.0	650.7	750.7	659.4	463.0	347.8	320.4	320.8
65°	234.3	235.6	233.9	240.0	272.6	302.6	279.5	245.6	239.5	242.6	240.4
67.5°	204.3	204.7	203.4	203.4	204.7	203.4	206.0	207.4	208.2	211.7	209.5
70°	170.8	171.3	171.3	172.1	171.7	169.5	173.4	175.2	175.6	177.8	176.5
72.5°	132.1	133.5	134.3	134.8	134.3	133.0	135.2	138.2	137.8	140.0	137.8
75°	89.5	91.3	92.2	93.9	93.5	93.5	96.1	97.4	96.1	97.8	96.1
77.5°	50.9	52.2	54.8	56.5	58.2	59.6	61.3	62.2	61.7	62.6	61.7
80°	29.6	30.0	32.2	33.0	35.2	37.4	39.1	40.0	40.4	40.9	40.4
82.5°	17.0	17.4	18.3	19.1	20.9	22.6	24.3	25.6	25.6	26.1	25.6
85°	8.3	8.3	8.7	9.1	10.0	11.3	12.6	13.9	14.3	14.3	14.3
87.5°	1.3	1.3	1.7	1.7	2.2	2.6	3.5	4.3	4.8	4.8	4.8
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)