

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: P630760

Luminaire Tested: GWS-SA1E-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-735-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

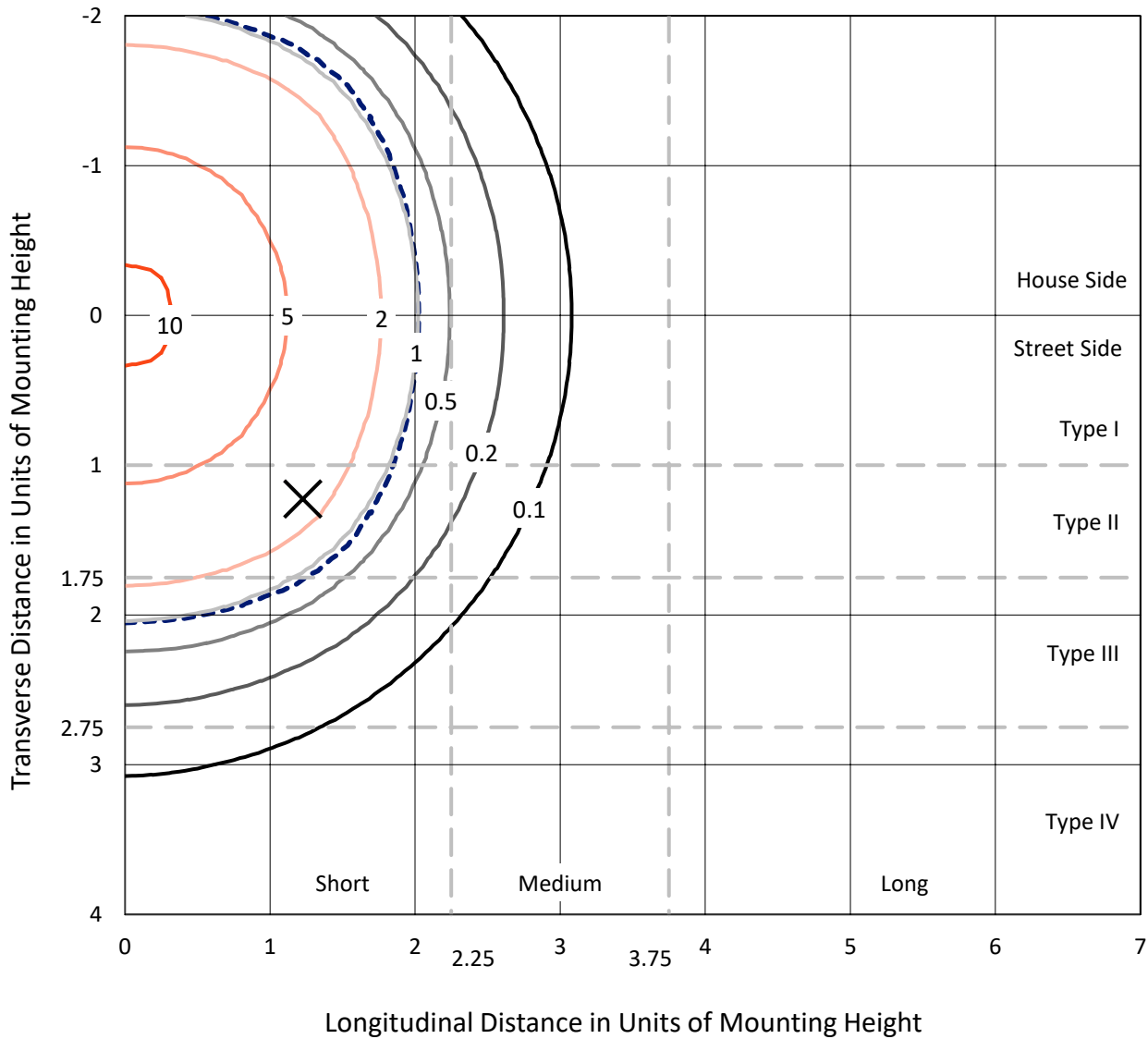
Lumens per Lamp: N/A  
Luminaire Lumens: 6311.9 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

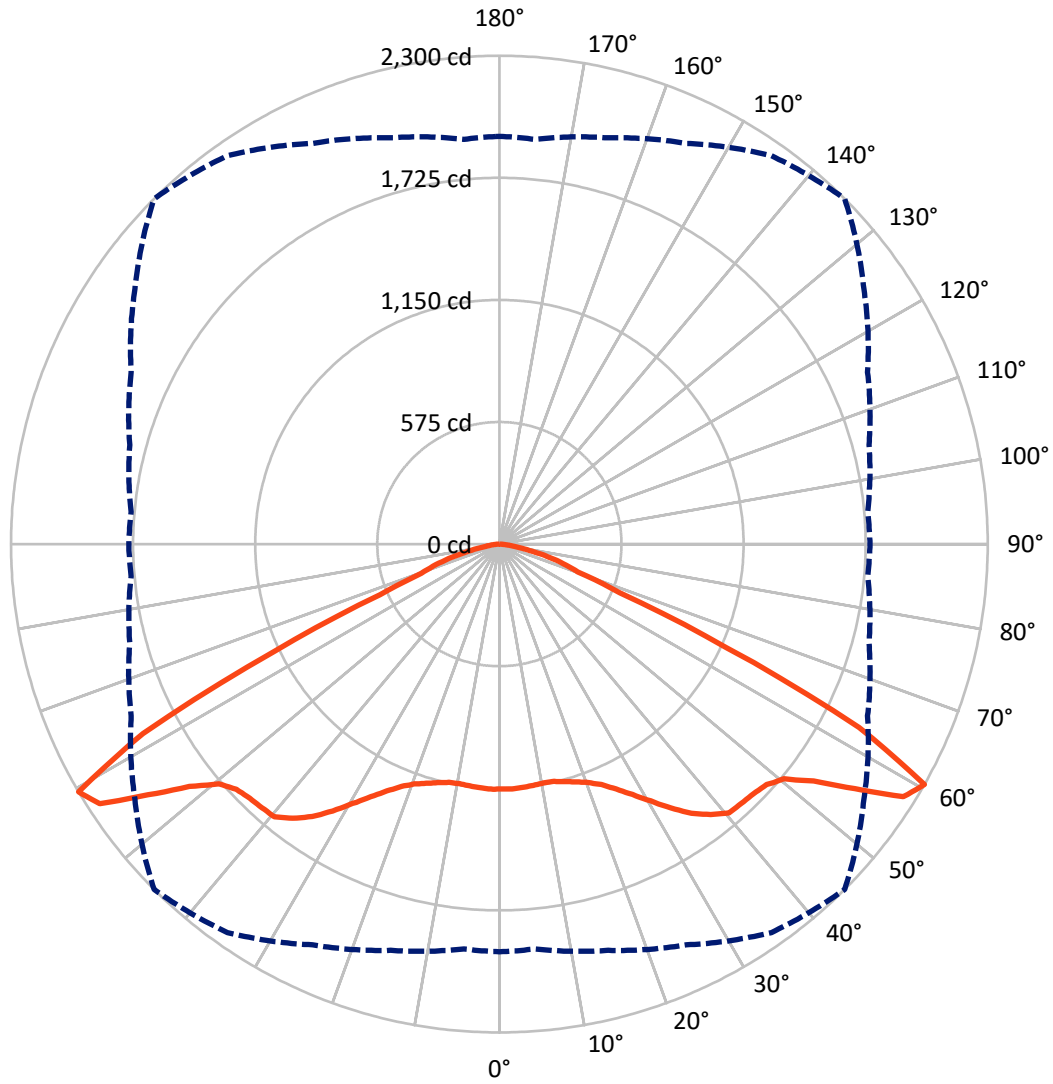
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3155.9	0.0	3155.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3155.9	0.0	3155.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6311.9	0.0	6311.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	1.7
10°-20°	329.0	5.2
20°-30°	582.1	9.2
30°-40°	937.2	14.8
40°-50°	1288.2	20.4
50°-60°	1716.6	27.2
60°-70°	1069.9	17.0
70°-80°	246.0	3.9
80°-90°	33.4	0.5
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°	6311.9	100.0
0°-180°	6311.9	100.0

**Coefficient of Utilization**



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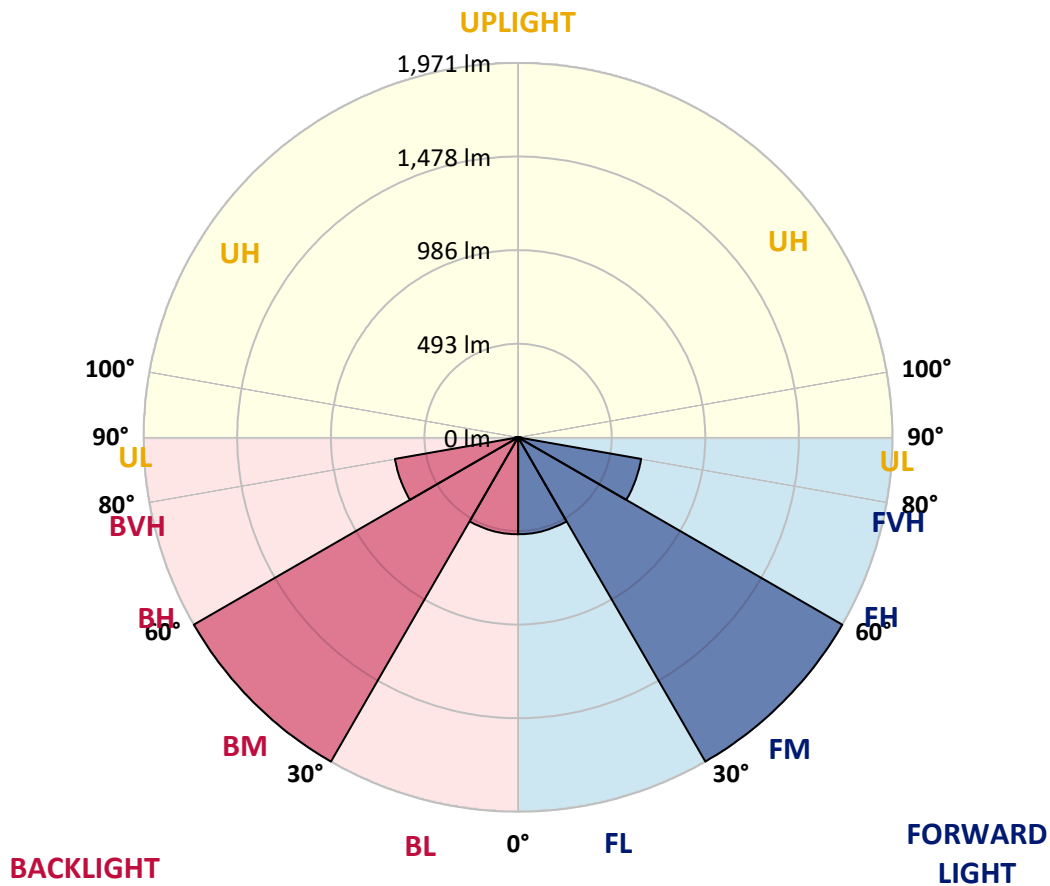
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.3	8.1			
FM (30°-60°)	1971.0	31.2			
FH (60°-80°)	658.0	10.4			G0/660
FVH (80°-90°)	16.7	0.3			G1/100
BL (0°-30°)	510.3	8.1	B2/1000		
BM (30°-60°)	1971.0	31.2	B2/2500		
BH (60°-80°)	658.0	10.4	B2/1000		G0/660
BVH (80°-90°)	16.7	0.3			G1/100
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°	1153.5	1153.5	1153.5	1153.5	1153.5	1153.5	1153.5	1153.5	1153.5	1153.5	1153.5
2.5°	1145.5	1146.5	1148.7	1150.3	1152.4	1154.6	1155.6	1153.5	1152.4	1148.1	1153.0
5°	1146.5	1147.6	1149.2	1149.2	1149.7	1151.3	1151.3	1148.7	1146.0	1141.2	1146.5
7.5°	1144.9	1146.0	1146.5	1146.0	1146.5	1147.1	1146.0	1142.8	1140.1	1135.8	1140.1
10°	1142.2	1143.3	1144.4	1143.3	1142.2	1143.8	1143.8	1141.7	1140.1	1135.8	1140.6
12.5°	1148.1	1149.7	1150.3	1147.6	1146.5	1147.1	1147.1	1144.9	1144.9	1141.2	1146.5
15°	1162.1	1163.1	1161.5	1158.3	1158.8	1160.5	1156.7	1151.3	1150.3	1148.7	1153.0
17.5°	1172.8	1173.8	1172.2	1170.1	1173.8	1177.6	1170.6	1160.5	1157.2	1156.2	1161.0
20°	1184.6	1186.2	1184.0	1186.7	1194.2	1198.5	1189.9	1176.0	1169.6	1168.0	1173.8
22.5°	1203.9	1206.0	1206.0	1211.9	1223.1	1230.1	1219.4	1200.6	1191.0	1188.3	1194.2
25°	1234.4	1236.0	1237.6	1249.4	1267.6	1277.3	1260.1	1234.4	1221.0	1216.7	1219.9
27.5°	1276.7	1279.4	1282.1	1299.2	1321.7	1335.6	1311.0	1278.9	1262.2	1253.7	1260.1
30°	1327.1	1330.8	1337.3	1356.5	1388.2	1403.7	1372.1	1333.0	1314.2	1305.1	1313.7
32.5°	1395.7	1396.2	1401.0	1422.4	1464.2	1481.9	1442.3	1398.9	1379.6	1368.9	1373.7
35°	1477.1	1477.6	1470.1	1492.1	1537.1	1556.9	1510.3	1466.4	1450.3	1447.1	1459.4
37.5°	1560.7	1555.8	1548.3	1558.0	1603.5	1616.4	1567.1	1529.6	1522.6	1528.5	1546.7
40°	1620.1	1612.1	1597.1	1604.1	1650.1	1665.1	1612.6	1577.3	1575.1	1589.6	1611.6
42.5°	1658.7	1650.1	1632.5	1632.5	1664.1	1670.5	1629.8	1611.0	1615.9	1632.5	1653.4
45°	1677.5	1672.6	1662.5	1657.1	1674.8	1677.5	1646.4	1638.9	1648.0	1656.0	1672.1
47.5°	1691.9	1691.9	1688.7	1683.4	1691.4	1693.0	1670.0	1667.8	1679.6	1679.6	1690.3
50°	1717.6	1720.3	1724.6	1723.5	1732.1	1737.5	1720.3	1717.1	1721.9	1706.4	1711.8
52.5°	1785.2	1792.1	1804.4	1814.1	1836.0	1852.7	1822.1	1796.4	1771.2	1736.9	1738.0
55°	1906.2	1909.4	1933.6	1962.0	1998.9	2032.7	1970.0	1890.2	1835.5	1795.3	1795.9
57.5°	2008.6	2013.4	2048.7	2108.2	2191.3	2243.8	2105.0	1971.6	1894.4	1845.2	1846.8
60°	1920.2	1913.7	1980.7	2082.5	2233.0	2300.0	2095.4	1913.2	1802.3	1741.2	1745.5
62.5°	1485.7	1473.3	1547.8	1654.4	1835.0	1901.9	1713.4	1538.7	1433.7	1386.0	1379.0
65°	904.4	893.1	946.7	1012.1	1134.2	1176.5	1090.3	997.6	906.0	877.0	869.0
67.5°	492.4	490.8	505.2	537.4	590.9	610.8	594.2	550.2	526.7	506.3	506.3
70°	390.6	387.4	384.7	385.2	390.0	392.7	393.2	391.1	393.8	394.3	392.2
72.5°	323.6	322.5	317.2	317.7	315.6	314.5	318.2	320.4	324.7	325.2	325.2
75°	234.7	232.0	234.7	235.2	233.1	233.1	235.7	235.2	237.3	238.4	232.5
77.5°	133.4	133.4	137.2	141.4	144.7	144.7	147.3	147.3	150.0	149.5	148.4
80°	73.4	73.4	75.5	78.2	81.4	84.7	87.3	87.9	89.5	88.9	87.3
82.5°	41.8	42.3	43.4	45.0	48.2	50.9	53.6	54.1	55.7	55.7	54.1
85°	19.8	19.3	19.8	20.9	22.5	24.6	27.3	28.9	30.0	30.0	28.9
87.5°	3.8	4.3	3.8	4.3	4.8	6.4	7.5	8.6	10.2	10.7	9.6
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)