

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526740

Luminaire Tested: **GALN-SA1D-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-727-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5778 lumens
Efficiency: N/A
Efficacy: 88.9 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

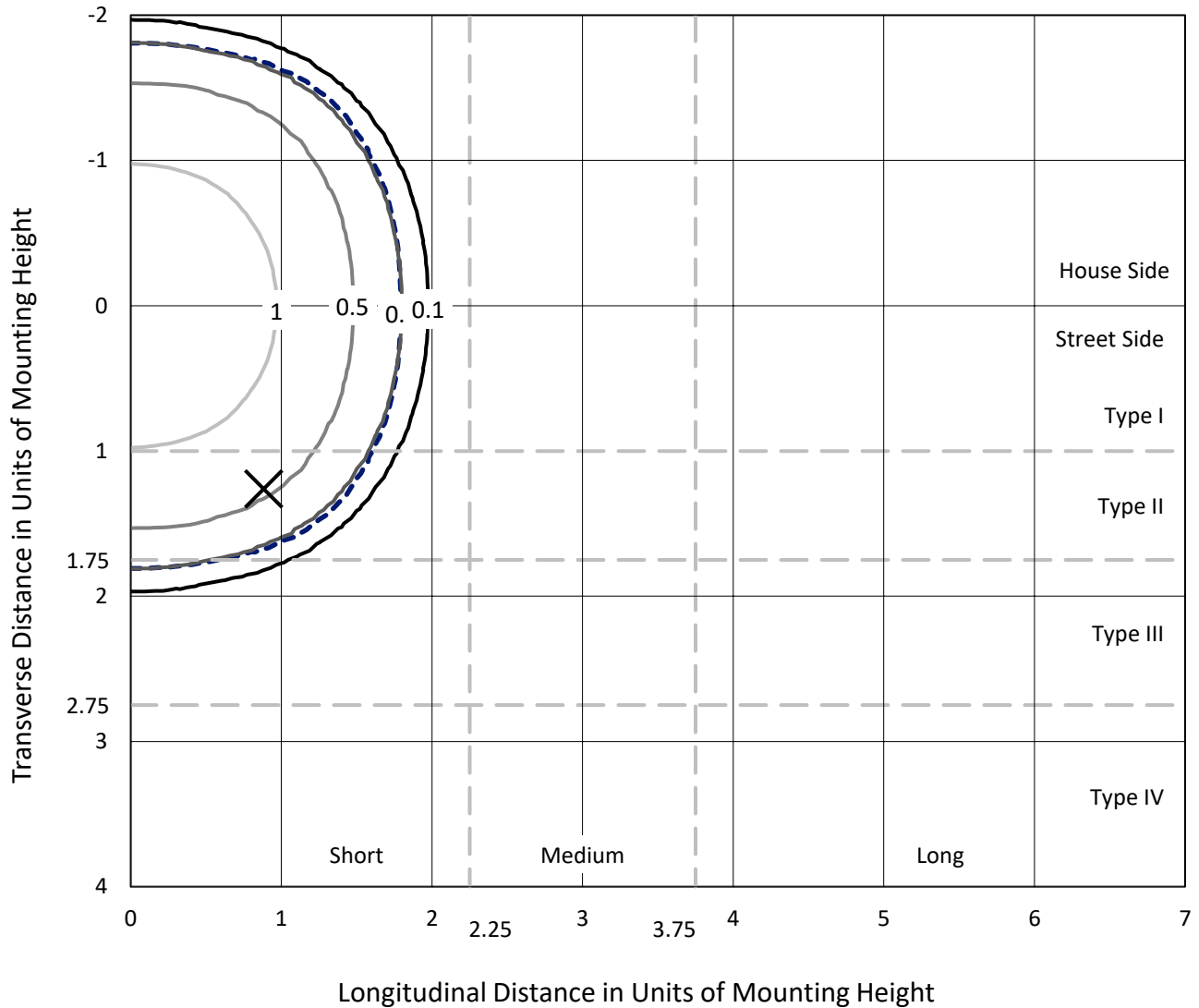
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

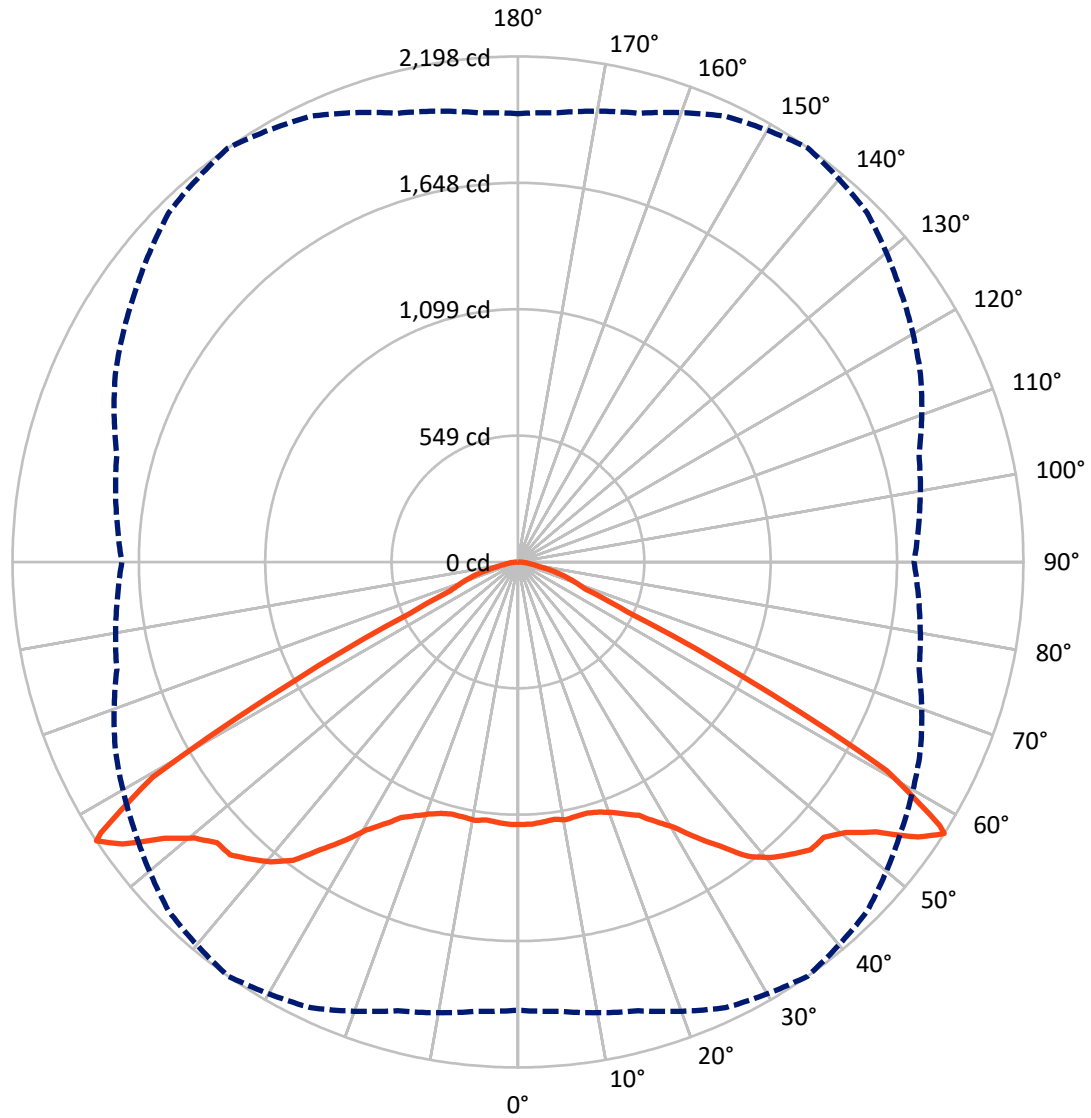
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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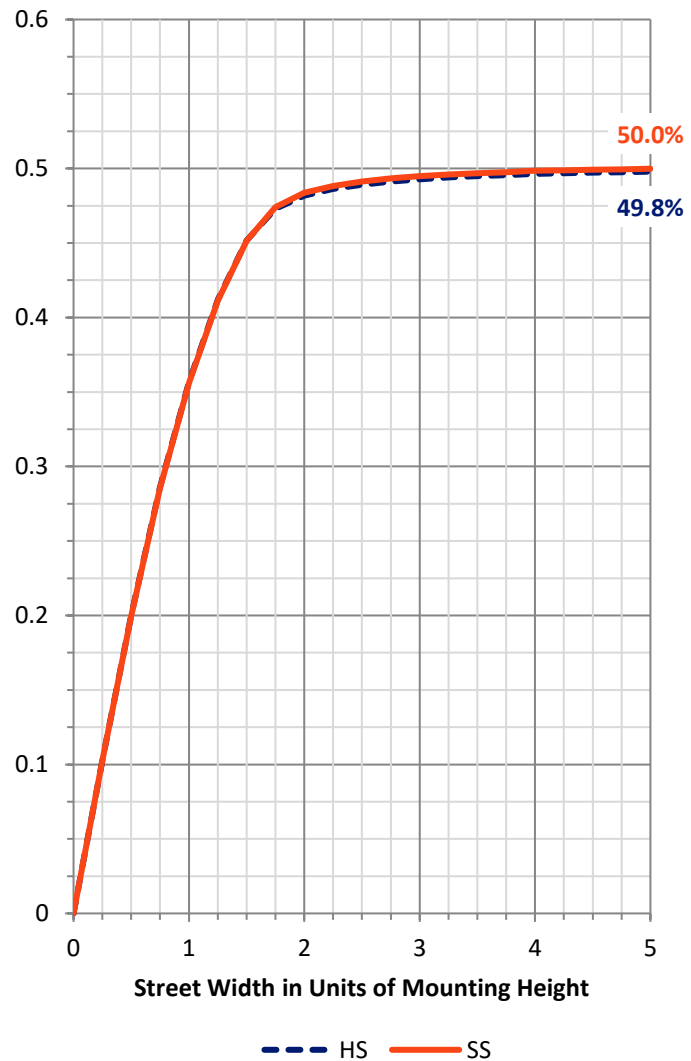
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2889.0	0.0	2889.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2889.0	0.0	2889.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5778.0	0.0	5778.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	1.9
10°-20°	320.4	5.5
20°-30°	559.6	9.7
30°-40°	916.9	15.9
40°-50°	1344.4	23.3
50°-60°	1693.4	29.3
60°-70°	636.9	11.0
70°-80°	169.3	2.9
80°-90°	29.0	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°	5778.0	100.0
0°-180°	5778.0	100.0

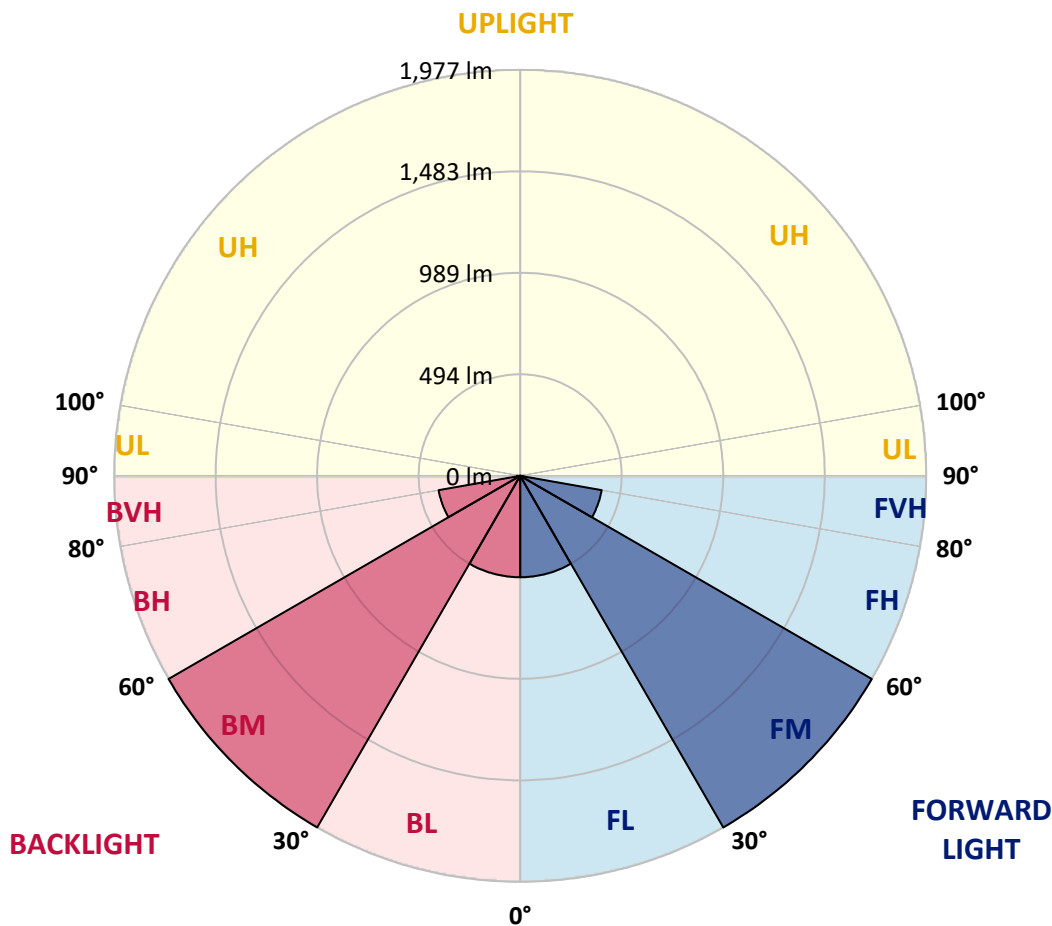


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.1	8.6			
FM (30°-60°)	1977.3	34.2			
FH (60°-80°)	403.1	7.0			G0/660
FVH (80°-90°)	14.5	0.3			G1/100
BL (0°-30°)	494.1	8.6	B1/500		
BM (30°-60°)	1977.3	34.2	B2/2500		
BH (60°-80°)	403.1	7.0	B1/500		G0/660
BVH (80°-90°)	14.5	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°	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1
2.5°	1135.4	1146.8	1141.8	1139.0	1141.1	1137.6	1131.9	1138.3	1136.8	1131.1	1129.0
5°	1132.6	1141.1	1135.4	1141.1	1135.4	1145.4	1142.5	1131.9	1144.7	1132.6	1136.8
7.5°	1130.4	1133.3	1134.7	1131.9	1129.7	1141.8	1135.4	1130.4	1123.3	1121.2	1124.7
10°	1125.5	1132.6	1121.9	1136.1	1139.0	1130.4	1130.4	1121.2	1115.5	1111.9	1124.0
12.5°	1138.3	1126.2	1124.7	1131.9	1134.0	1137.6	1127.6	1122.6	1111.9	1113.3	1111.2
15°	1123.3	1128.3	1129.0	1130.4	1132.6	1141.1	1131.9	1121.2	1116.9	1102.0	1103.4
17.5°	1129.0	1124.0	1129.0	1145.4	1142.5	1148.9	1139.0	1122.6	1112.6	1104.1	1115.5
20°	1139.0	1136.8	1139.0	1158.9	1162.5	1168.2	1159.6	1144.7	1125.5	1115.5	1121.2
22.5°	1149.7	1148.2	1149.7	1168.9	1189.5	1196.6	1188.1	1153.2	1143.2	1124.7	1118.3
25°	1168.9	1170.3	1185.2	1206.6	1220.1	1233.7	1218.0	1193.1	1161.0	1149.7	1136.1
27.5°	1211.6	1215.1	1223.7	1255.0	1278.5	1290.6	1268.5	1234.4	1214.4	1190.9	1187.4
30°	1264.3	1264.3	1279.2	1306.3	1338.3	1356.8	1329.8	1289.2	1265.0	1252.2	1244.3
32.5°	1334.0	1326.2	1331.9	1379.6	1429.4	1445.1	1408.8	1358.9	1320.5	1303.4	1297.7
35°	1393.8	1398.8	1411.6	1462.9	1518.4	1554.7	1497.8	1433.0	1393.8	1378.2	1375.3
37.5°	1471.4	1480.0	1486.4	1556.8	1623.8	1637.3	1582.5	1530.5	1482.8	1470.0	1462.9
40°	1581.0	1575.3	1577.5	1629.4	1690.0	1698.5	1644.4	1607.4	1568.2	1560.4	1560.4
42.5°	1671.4	1665.0	1672.2	1691.4	1737.7	1731.2	1701.3	1674.3	1657.9	1649.4	1657.9
45°	1726.3	1724.8	1737.7	1751.9	1784.6	1763.3	1739.8	1744.1	1728.4	1714.2	1713.4
47.5°	1786.1	1776.8	1792.5	1813.8	1788.9	1778.9	1777.5	1786.8	1781.8	1756.9	1749.0
50°	1815.2	1811.7	1836.6	1861.5	1848.0	1825.2	1830.2	1845.1	1781.1	1747.6	1728.4
52.5°	1893.5	1894.3	1942.0	1955.5	1949.8	1916.3	1927.0	1886.4	1811.0	1764.0	1766.1
55°	2016.7	2011.7	2065.1	2105.0	2111.4	2068.7	2017.4	1960.5	1865.8	1818.1	1803.9
57°	1949.1	1960.5	2019.5	2137.7	2197.5	2147.0	2035.2	1931.3	1805.3	1747.6	1722.0
57.5°	1858.7	1877.2	1979.7	2098.6	2161.2	2156.9	2013.1	1877.2	1764.7	1675.0	1677.1
60°	1361.8	1365.3	1457.9	1646.5	1842.3	1846.6	1671.4	1491.3	1366.1	1268.5	1282.1
62.5°	718.3	734.6	771.7	923.3	1092.7	1134.0	1027.9	935.4	827.2	753.1	760.3
65°	380.1	378.0	395.8	438.5	521.8	543.1	528.9	455.6	417.9	405.8	406.5
67.5°	308.9	312.5	310.4	312.5	318.2	327.5	325.3	328.2	330.3	333.9	333.2
70°	262.0	262.0	263.4	264.1	264.1	268.4	273.4	282.6	283.3	286.9	288.3
72.5°	206.4	205.0	207.2	212.1	212.8	216.4	223.5	229.2	231.4	231.4	227.1
75°	140.2	141.7	144.5	148.8	153.1	159.5	165.2	168.7	170.1	168.0	165.9
77.5°	79.0	80.4	82.6	89.0	94.0	99.7	106.1	109.6	113.2	113.9	109.6
80°	47.0	47.0	50.5	55.5	61.2	66.9	72.6	76.9	78.3	78.3	76.2
82.5°	28.5	29.2	32.0	37.0	42.0	45.6	50.5	54.1	56.9	56.2	54.8
85°	14.9	14.9	17.8	22.1	25.6	29.2	29.2	27.1	25.6	22.1	20.6
87.5°	5.0	4.3	5.7	5.7	5.0	5.7	5.7	6.4	6.4	6.4	6.4
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)