

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: P526670

Luminaire Tested: **GALN-SA1C-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4582 lumens
Efficiency: N/A
Efficacy: 80.4 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

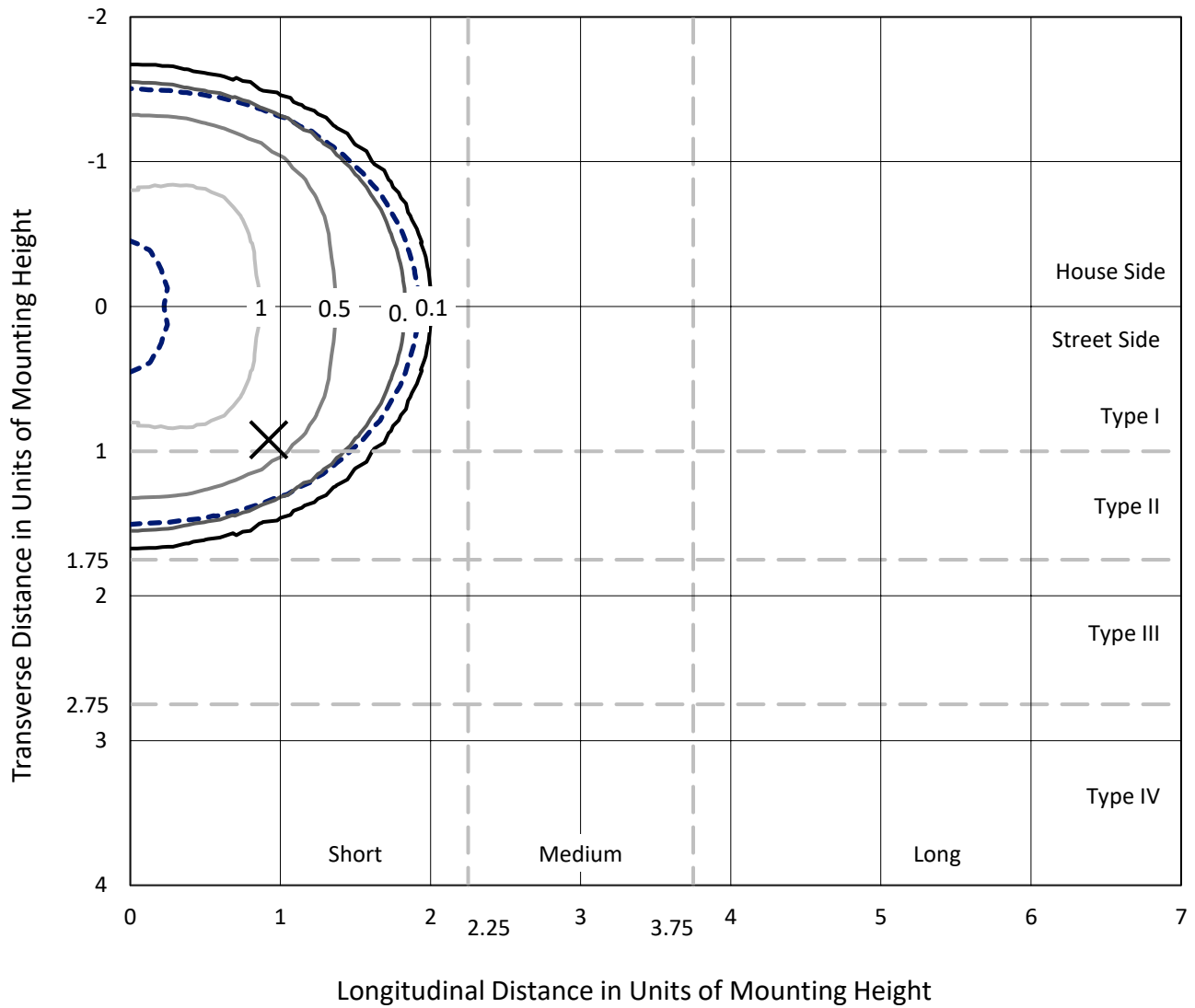
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

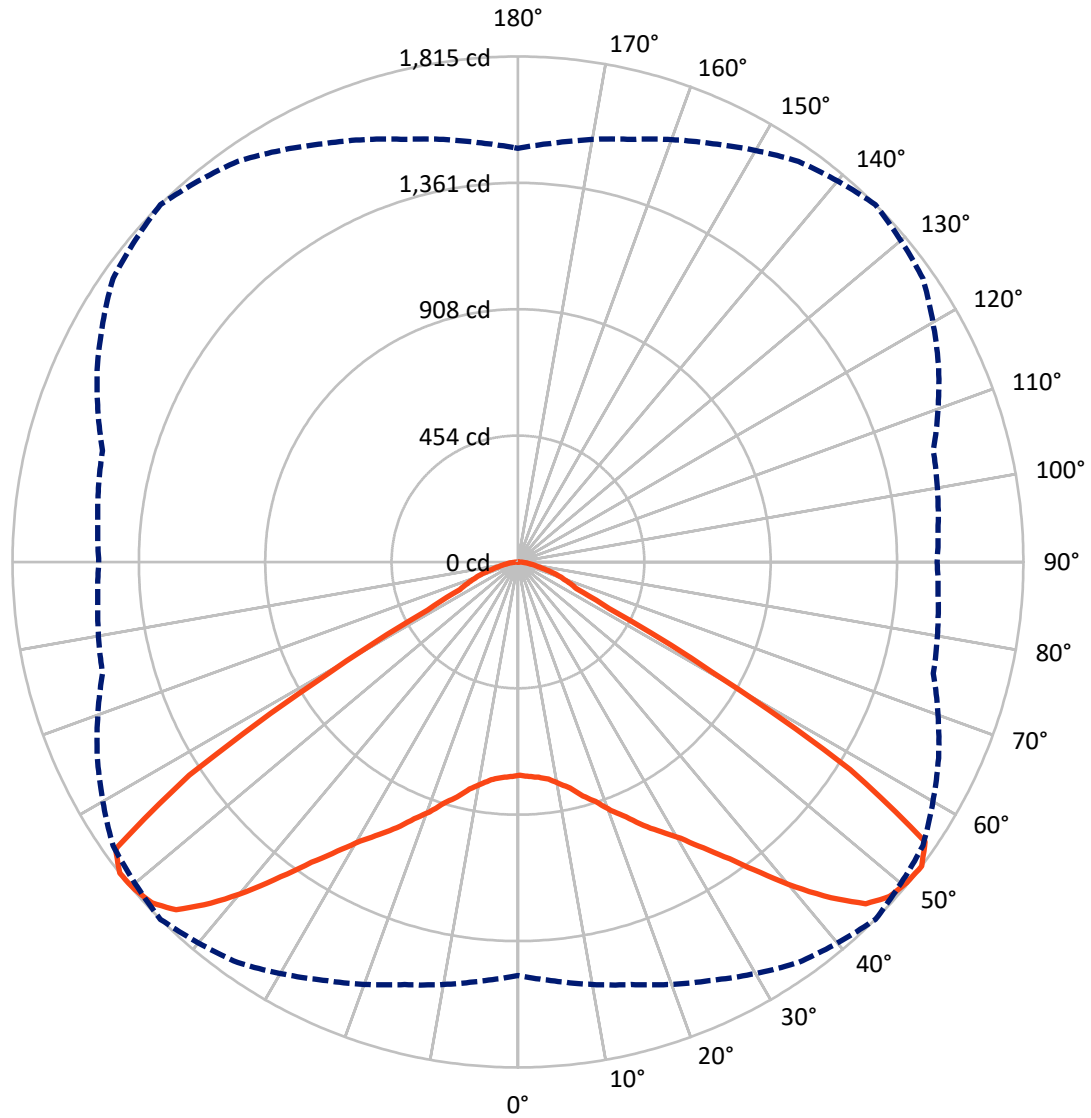
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2291.0	0.0	2291.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2291.0	0.0	2291.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4582.0	0.0	4582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	1.6
10°-20°	247.3	5.4
20°-30°	470.8	10.3
30°-40°	808.3	17.6
40°-50°	1242.4	27.1
50°-60°	1261.7	27.5
60°-70°	351.6	7.7
70°-80°	103.7	2.3
80°-90°	20.9	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°	4582.0	100.0
0°-180°	4582.0	100.0

Coefficient of Utilization



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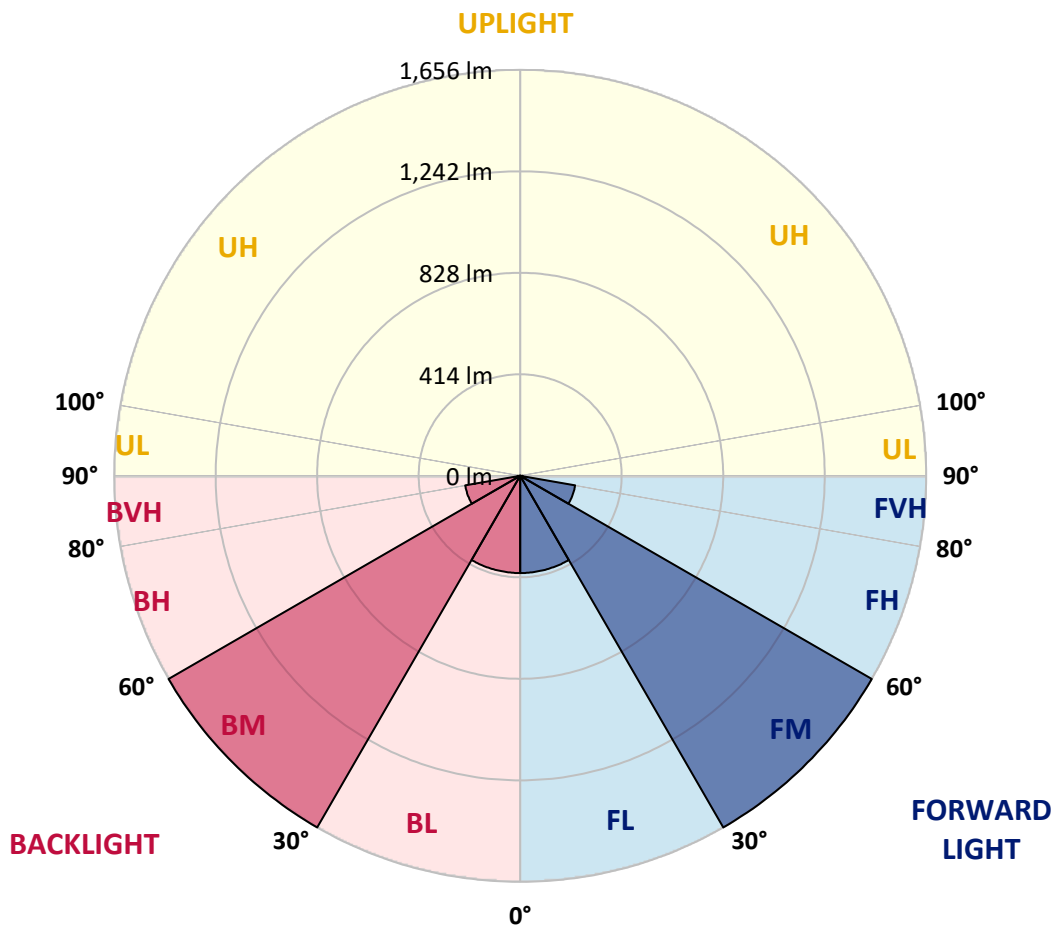
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	396.6	8.7			
FM (30°-60°)	1656.2	36.1			
FH (60°-80°)	227.7	5.0			G0/660
FVH (80°-90°)	10.4	0.2			G1/100
BL (0°-30°)	396.6	8.7	B1/500		
BM (30°-60°)	1656.2	36.1	B2/2500		
BH (60°-80°)	227.7	5.0	B1/500		G0/660
BVH (80°-90°)	10.4	0.2			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°	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9
2.5°	767.6	759.7	762.5	764.2	771.6	771.1	769.4	771.6	773.9	774.5	773.3
5°	767.1	761.4	763.7	765.4	772.8	776.7	775.6	785.3	792.1	790.4	798.9
7.5°	762.5	765.9	763.1	771.6	777.9	787.5	797.8	806.9	815.4	825.1	826.8
10°	772.8	772.8	777.9	784.7	801.2	808.6	823.4	836.5	852.9	864.3	859.8
12.5°	783.6	785.3	785.3	802.9	816.5	833.0	846.7	864.3	887.6	901.3	908.1
15°	794.4	795.5	801.2	825.1	845.5	871.7	884.2	900.1	913.2	938.8	939.4
17.5°	804.0	810.3	827.4	854.1	879.7	904.7	924.6	941.1	952.5	962.7	960.4
20°	840.4	845.0	862.6	889.3	927.4	951.9	958.7	961.5	968.9	989.4	983.2
22.5°	875.7	877.4	893.9	934.8	961.5	994.0	1001.4	999.6	1002.5	1007.6	1016.7
25°	912.1	914.9	937.7	972.4	1009.9	1048.5	1054.8	1041.7	1037.7	1043.4	1044.0
27.5°	958.7	959.3	988.3	1018.4	1061.1	1097.5	1107.1	1096.9	1078.1	1082.7	1090.1
30°	1017.8	1013.9	1042.9	1086.1	1131.0	1151.5	1168.0	1162.8	1142.4	1138.4	1132.1
32.5°	1086.1	1087.2	1113.4	1160.6	1190.1	1224.3	1241.9	1233.4	1220.3	1213.5	1217.4
35°	1182.2	1187.3	1204.9	1244.2	1291.9	1309.0	1336.8	1318.6	1284.5	1293.1	1300.5
37.5°	1261.2	1276.0	1309.0	1355.6	1384.0	1415.3	1425.5	1401.1	1376.1	1365.8	1390.3
40°	1382.3	1377.8	1414.2	1460.8	1502.9	1534.2	1521.1	1496.6	1434.6	1435.2	1442.0
42.5°	1486.4	1488.7	1516.5	1572.3	1629.7	1649.0	1607.5	1547.8	1479.0	1471.6	1486.4
45°	1574.0	1583.1	1599.0	1673.5	1729.8	1750.8	1674.0	1603.5	1511.4	1480.7	1505.2
47.5°	1605.2	1620.0	1654.7	1722.9	1778.7	1795.7	1734.3	1633.1	1541.6	1491.5	1504.6
50°	1609.8	1604.7	1661.5	1724.1	1773.0	1809.9	1755.9	1654.7	1534.2	1508.0	1504.0
52.5°	1485.3	1510.3	1571.1	1657.0	1755.9	1815.1	1775.3	1666.6	1544.4	1514.8	1505.2
55°	1202.1	1172.5	1283.4	1427.8	1609.8	1774.1	1768.4	1672.9	1550.6	1526.2	1513.1
57.5°	671.0	679.5	742.1	899.0	1133.8	1406.8	1572.3	1606.9	1547.8	1533.6	1540.4
60°	310.5	313.3	340.0	413.4	559.0	797.8	1015.6	1236.8	1338.5	1359.0	1359.0
62.5°	231.4	230.3	237.1	250.2	280.9	366.8	489.6	665.3	805.2	903.0	928.6
65°	209.3	208.7	212.1	216.6	218.9	230.9	258.2	312.2	357.7	383.8	379.3
67.5°	183.1	182.5	183.7	186.5	190.5	196.7	203.6	214.9	230.9	229.7	226.9
70°	147.8	147.8	149.5	151.8	156.4	163.8	171.7	179.7	193.3	196.2	195.6
72.5°	109.2	107.5	110.9	115.4	120.0	129.1	137.6	145.0	154.7	157.5	156.4
75°	69.4	70.5	72.8	77.9	85.9	92.1	101.2	107.5	113.7	116.0	116.6
77.5°	38.7	39.8	43.8	50.0	58.0	64.8	72.8	77.9	81.9	82.5	83.0
80°	23.3	23.9	27.9	33.5	40.4	47.8	54.0	59.1	62.5	60.8	60.3
82.5°	14.2	14.8	18.2	23.3	29.0	34.7	41.5	46.1	49.5	47.2	44.9
85°	7.4	8.0	10.8	14.2	18.8	21.6	21.6	19.3	18.8	17.6	17.1
87.5°	2.3	2.3	2.8	3.4	2.8	3.4	4.0	4.5	4.5	5.1	4.5
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)