

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: P526507

Luminaire Tested: **GALN-SA1C-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4087 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

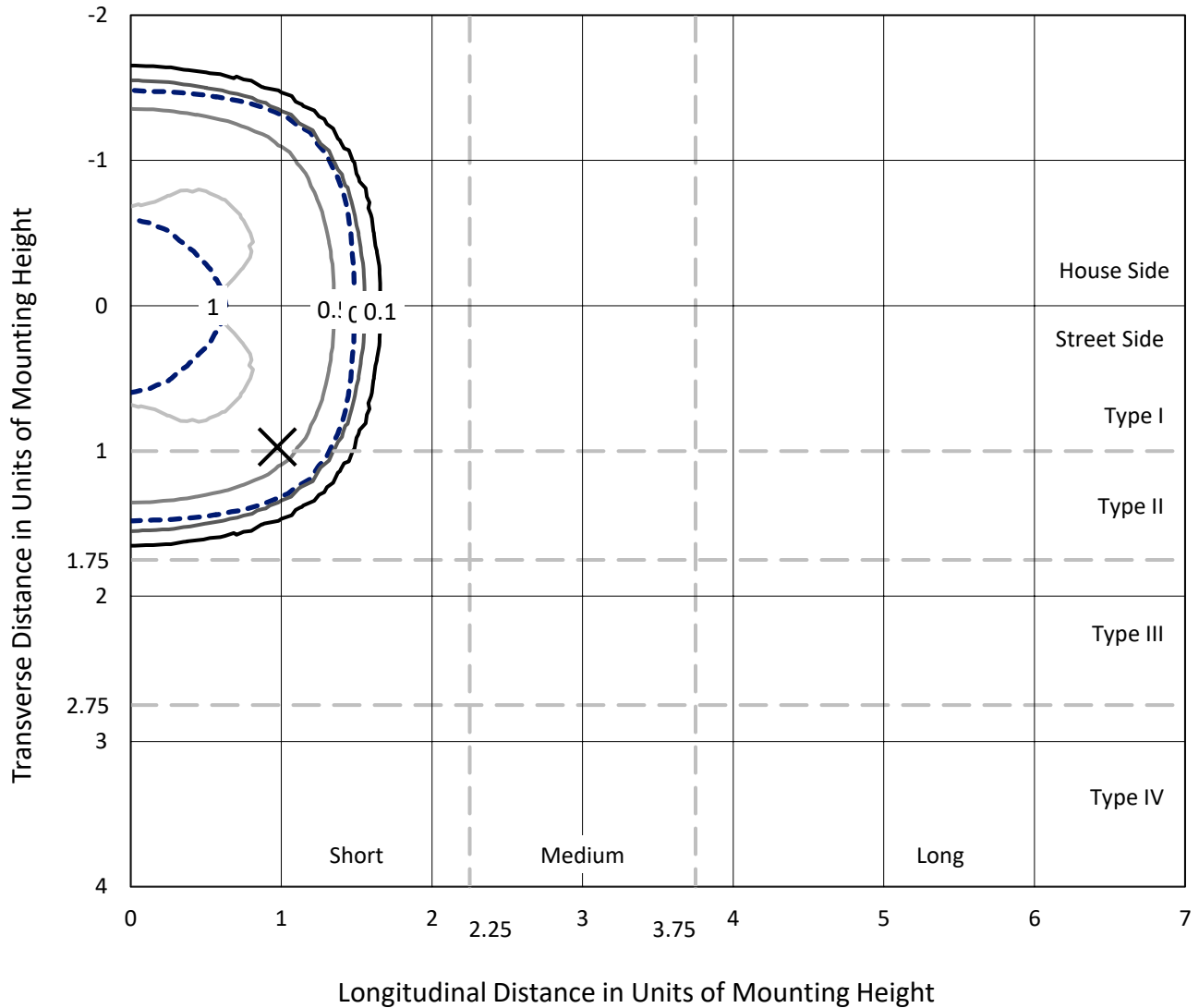
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

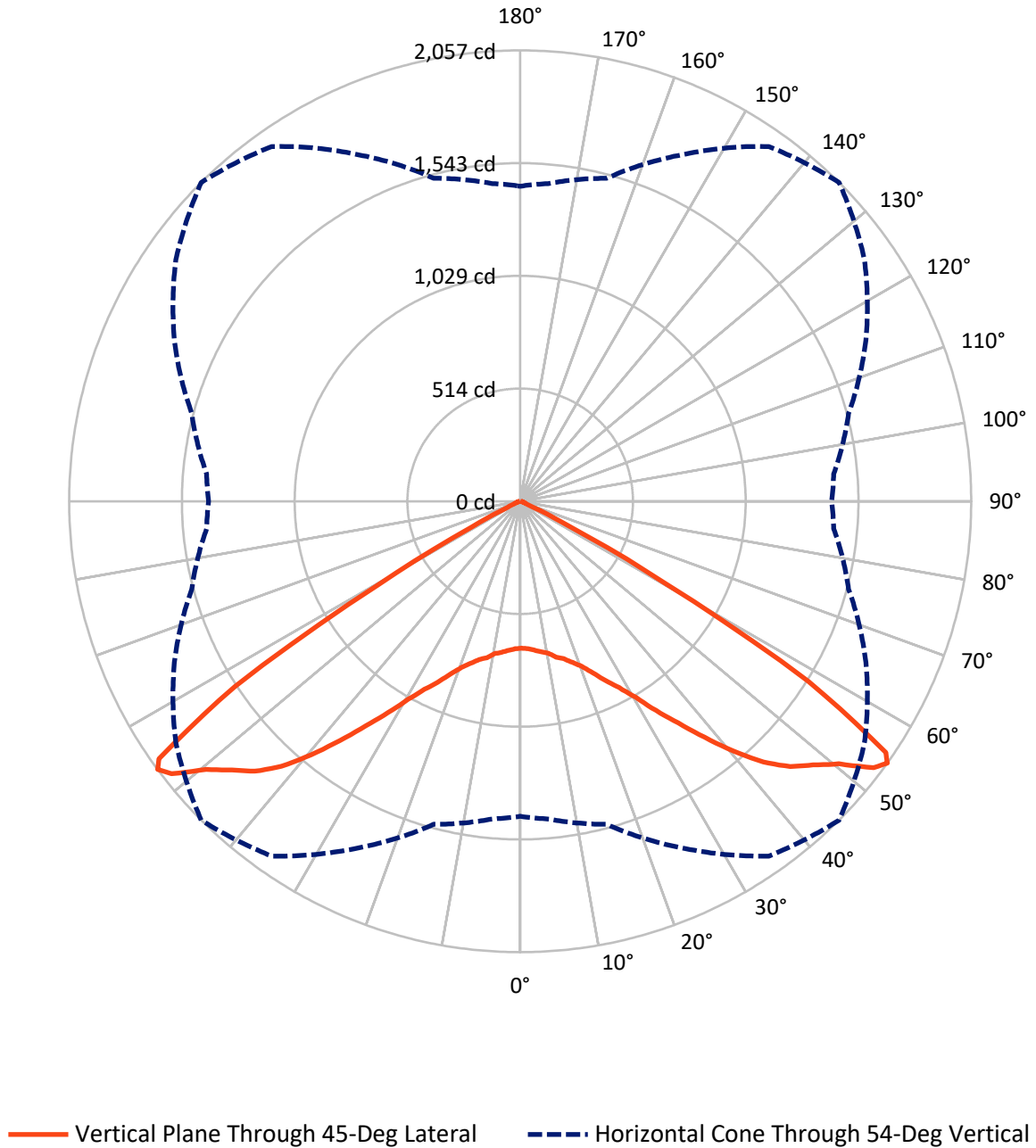
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2043.5	0.0	2043.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2043.5	0.0	2043.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4087.0	0.0	4087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	1.6
10°-20°	212.4	5.2
20°-30°	416.3	10.2
30°-40°	748.6	18.3
40°-50°	1281.5	31.4
50°-60°	1240.0	30.3
60°-70°	106.1	2.6
70°-80°	12.6	0.3
80°-90°	3.9	0.1
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°	4087.0	100.0
0°-180°	4087.0	100.0

Coefficient of Utilization

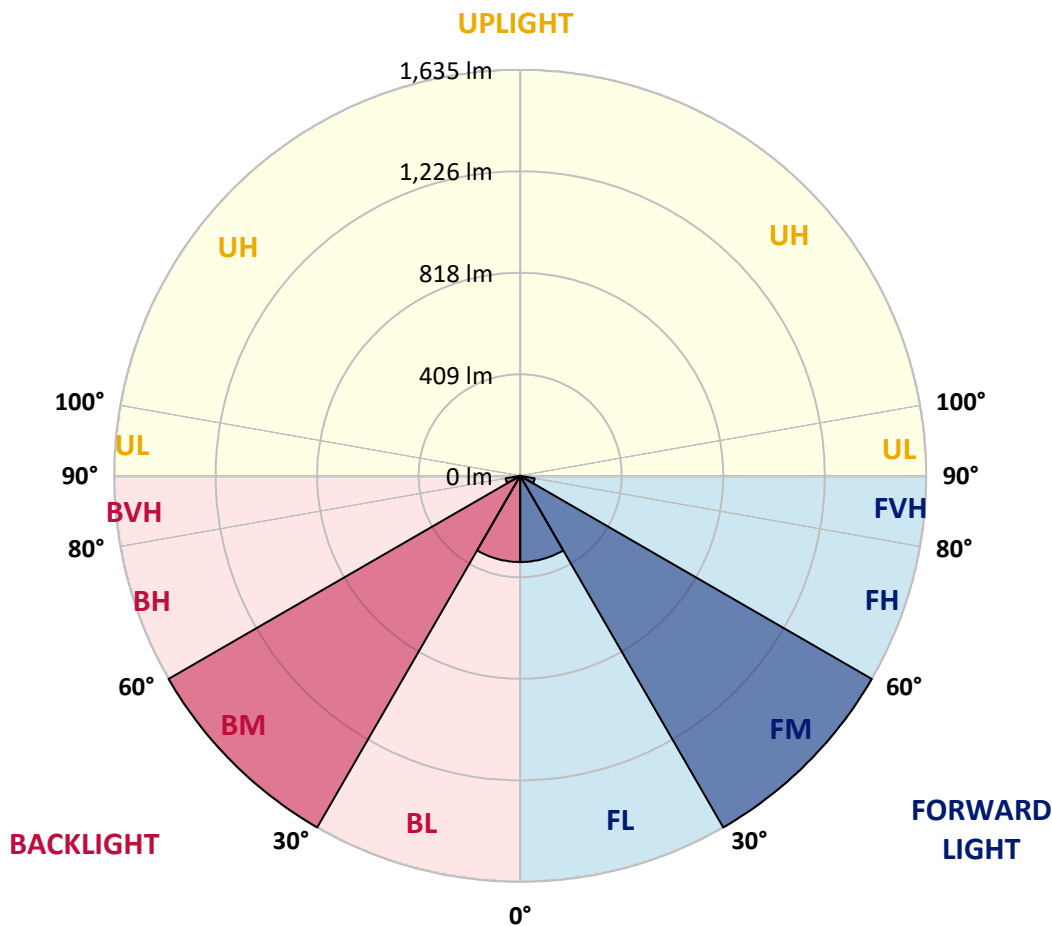


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.2	8.5			
FM (30°-60°)	1635.0	40.0			
FH (60°-80°)	59.4	1.5			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	347.2	8.5	B1/500		
BM (30°-60°)	1635.0	40.0	B2/2500		
BH (60°-80°)	59.4	1.5	B0/110		G0/660
BVH (80°-90°)	2.0	0.0			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°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1
2.5°	673.4	677.3	674.7	676.6	676.6	673.4	675.3	667.6	672.7	668.8	669.5
5°	683.7	683.1	683.1	683.7	681.1	682.4	679.9	677.3	675.3	672.7	680.5
7.5°	696.7	696.7	692.2	693.4	692.2	694.1	688.9	683.7	681.8	679.9	678.6
10°	709.0	707.7	705.8	711.6	707.0	704.5	701.9	698.6	691.5	688.9	686.3
12.5°	727.1	726.5	723.9	729.7	727.1	729.7	720.0	711.6	710.3	701.9	706.4
15°	748.5	754.3	749.8	749.8	748.5	745.2	741.4	737.5	725.8	722.6	723.2
17.5°	776.3	774.4	775.0	775.0	781.5	773.1	765.3	755.6	749.8	747.8	741.4
20°	802.9	805.5	804.8	809.3	813.2	804.2	795.8	794.5	778.3	780.9	771.8
22.5°	849.5	847.5	850.8	854.0	851.4	850.1	842.4	832.7	818.4	811.9	810.6
25°	898.7	895.5	889.6	897.4	901.3	907.1	892.2	887.0	865.0	855.3	856.0
27.5°	940.8	945.3	951.8	955.0	964.7	962.8	952.4	935.6	918.8	907.8	900.6
30°	998.4	1001.0	1012.0	1016.5	1033.4	1037.9	1021.7	1002.3	972.5	958.3	949.9
32.5°	1051.5	1069.6	1069.0	1091.6	1118.8	1137.6	1108.5	1078.7	1048.9	1032.1	1017.2
35°	1137.6	1134.4	1153.2	1177.1	1221.1	1242.5	1210.8	1176.5	1131.1	1104.0	1092.3
37.5°	1217.9	1219.2	1244.5	1282.7	1333.2	1366.2	1338.3	1282.0	1235.4	1200.4	1184.2
40°	1334.5	1337.0	1362.9	1406.3	1463.3	1498.9	1466.5	1409.6	1347.4	1320.2	1320.2
42.5°	1471.1	1482.1	1498.9	1536.5	1587.6	1627.1	1598.0	1553.3	1490.5	1455.5	1460.7
45°	1611.6	1616.8	1627.8	1683.4	1707.4	1726.8	1699.6	1678.9	1636.8	1594.1	1587.0
47.5°	1743.0	1745.0	1777.3	1794.8	1813.6	1797.4	1814.9	1787.7	1740.4	1699.0	1690.6
50°	1801.3	1798.0	1844.0	1897.1	1911.4	1882.9	1868.0	1849.8	1778.0	1728.1	1706.1
52.5°	1631.6	1650.4	1735.9	1883.5	1994.9	2018.8	1932.1	1848.6	1714.5	1617.4	1602.5
54°	1437.4	1454.9	1525.5	1744.3	1976.1	2057.0	1917.2	1739.8	1550.7	1435.5	1420.6
55°	1245.1	1225.7	1353.9	1577.3	1888.0	2023.4	1858.3	1599.3	1383.0	1277.5	1256.8
57.5°	674.0	677.3	785.4	996.5	1326.7	1551.4	1370.1	1081.9	817.1	698.6	688.3
60°	213.7	218.8	266.1	402.7	633.9	756.9	648.8	434.5	300.4	240.9	231.1
62.5°	66.7	69.3	75.8	112.7	173.5	248.0	194.2	116.5	86.8	79.6	80.9
65°	40.8	40.8	41.4	44.0	51.8	60.2	58.3	51.2	49.2	47.9	47.3
67.5°	26.5	25.9	27.2	29.1	30.4	31.1	33.0	35.0	34.3	33.0	33.0
70°	16.2	15.5	16.8	19.4	20.1	21.4	23.3	25.9	25.3	24.0	24.6
72.5°	9.1	9.1	9.7	11.7	13.6	14.9	16.8	18.8	19.4	18.8	18.8
75°	3.2	3.9	5.2	7.1	8.4	10.4	12.3	14.2	16.2	14.9	14.2
77.5°	1.3	1.3	2.6	4.5	6.5	8.4	11.7	13.6	14.9	13.6	12.3
80°	0.6	0.6	1.9	3.9	5.8	7.8	9.7	11.7	12.3	11.0	9.7
82.5°	0.6	0.6	1.9	3.9	5.8	7.1	10.4	11.7	12.9	11.7	9.7
85°	0.0	0.6	1.9	3.9	5.2	5.8	5.8	3.9	3.2	1.9	1.9
87.5°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)