

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: P650676

Luminaire Tested: **GALN-SA1C-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3866.9 lumens
Efficiency: N/A
Efficacy: 67.8 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

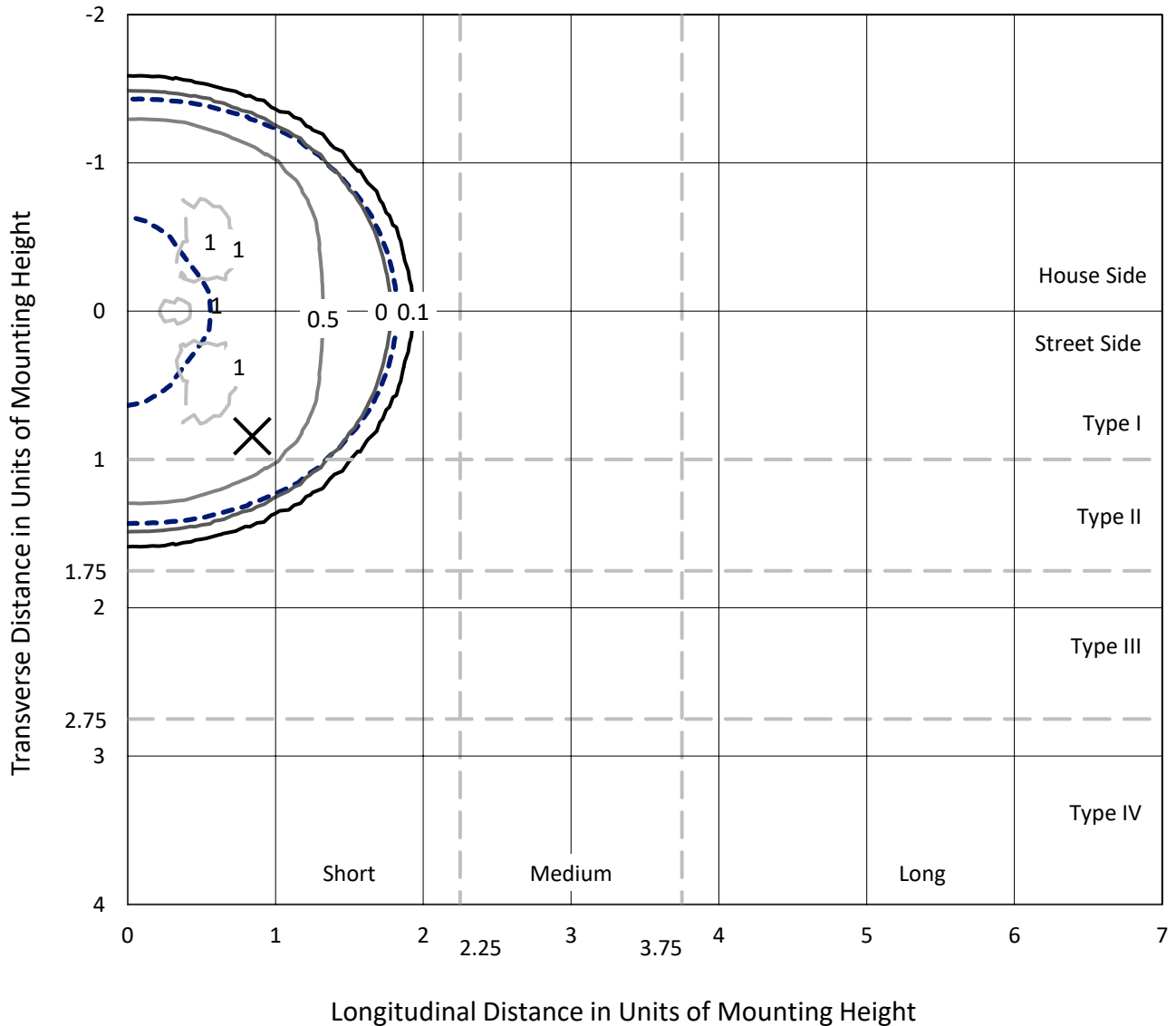
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

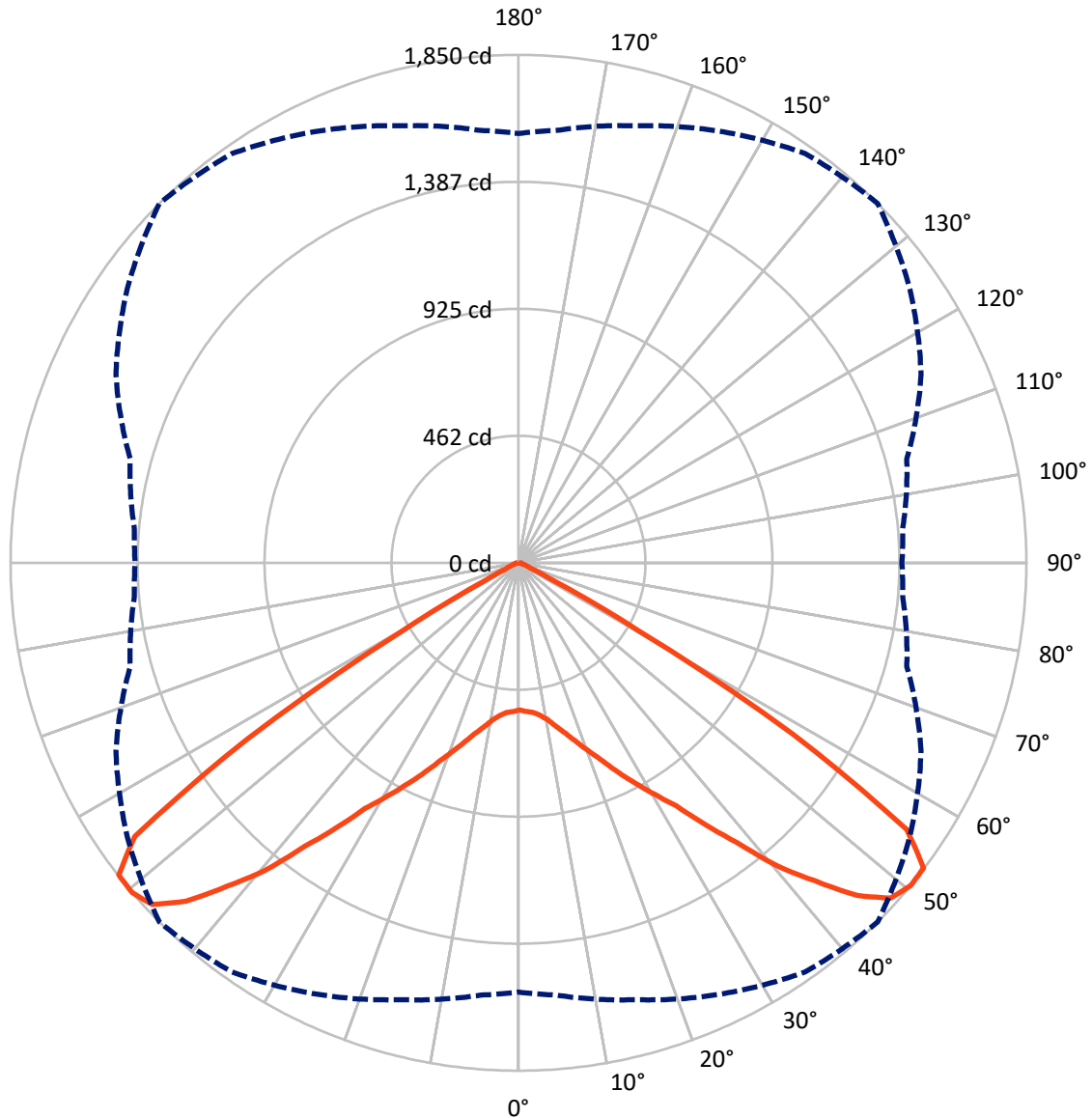
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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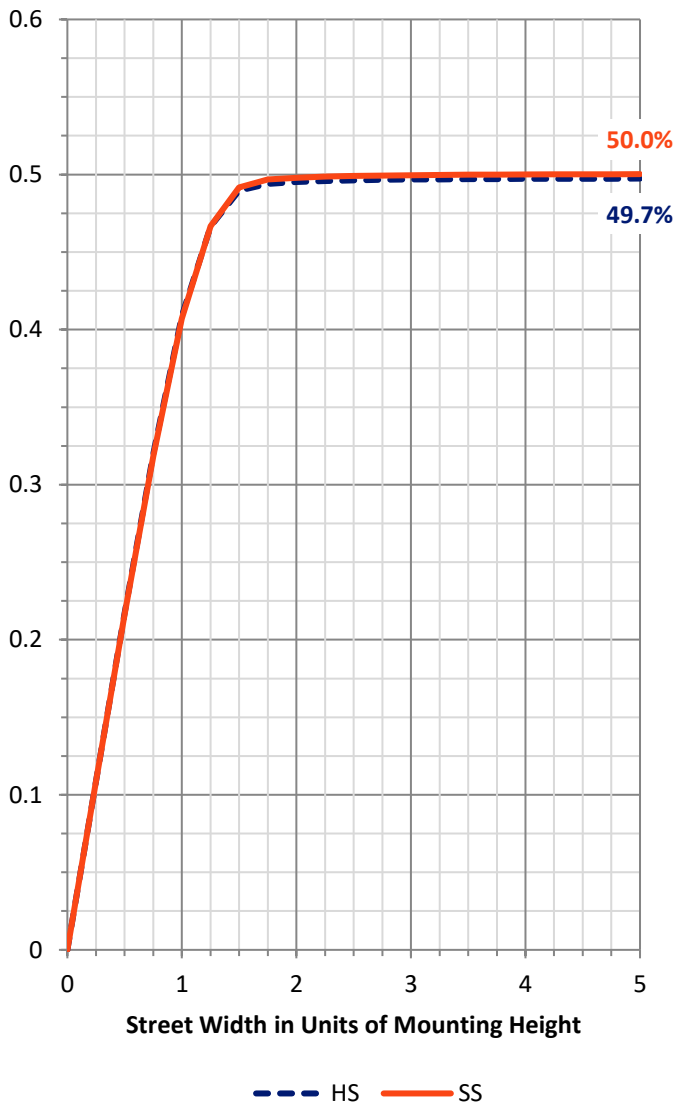
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1933.5	0.0	1933.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1933.5	0.0	1933.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3866.9	0.0	3866.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	1.4
10°-20°	183.8	4.8
20°-30°	375.4	9.7
30°-40°	716.0	18.5
40°-50°	1206.5	31.2
50°-60°	1150.6	29.8
60°-70°	160.6	4.2
70°-80°	15.4	0.4
80°-90°	5.3	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°	3866.9	100.0
0°-180°	3866.9	100.0

Coefficient of Utilization

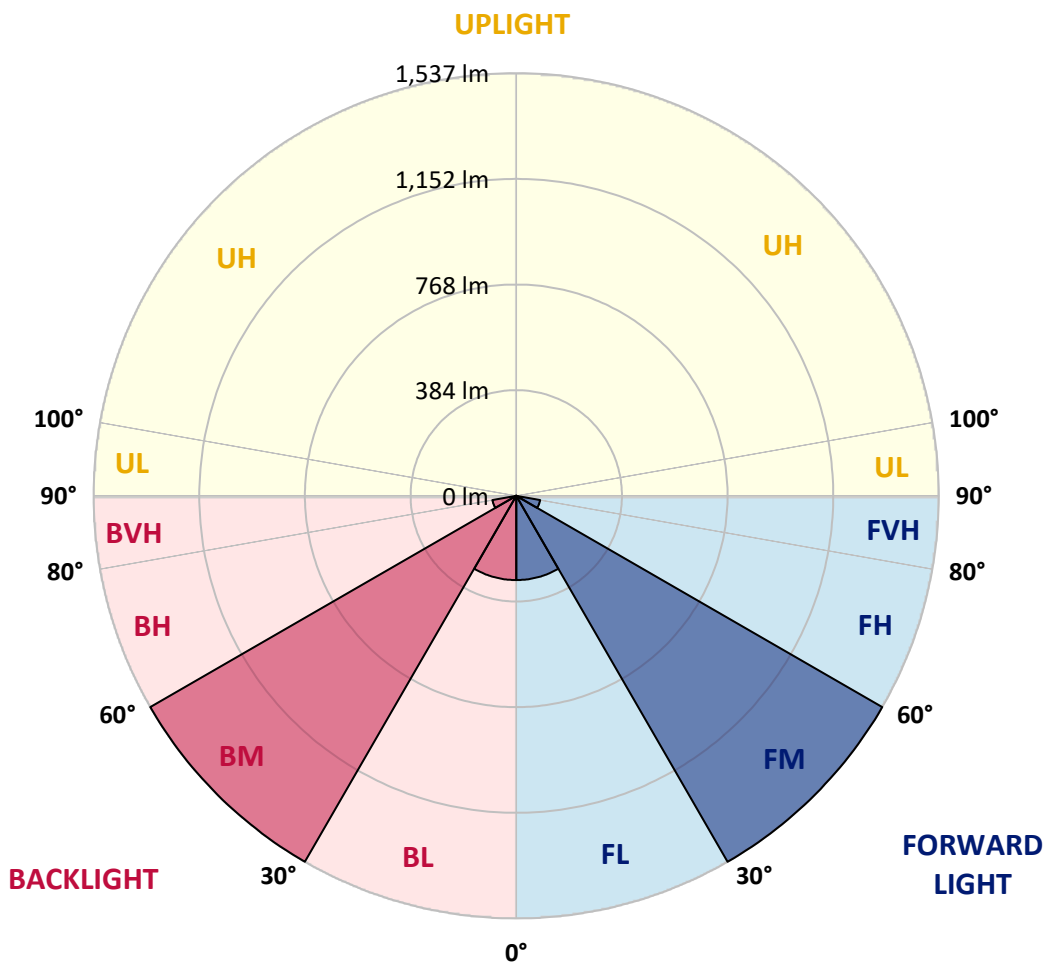


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.3	7.9			
FM (30°-60°)	1536.5	39.7			
FH (60°-80°)	88.0	2.3			G0/660
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	306.3	7.9	B1/500		
BM (30°-60°)	1536.5	39.7	B2/2500		
BH (60°-80°)	88.0	2.3	B0/110		G0/660
BVH (80°-90°)	2.7	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°	536.1	536.1	536.1	536.1	536.1	536.1	536.1	536.1	536.1	536.1	536.1
2.5°	534.1	534.1	533.5	538.7	536.1	541.9	541.4	543.3	545.2	544.5	549.8
5°	529.6	529.0	529.0	534.8	540.7	547.2	553.0	556.9	563.5	563.5	569.9
7.5°	534.1	530.9	535.5	538.1	549.1	560.2	569.9	577.8	592.7	598.0	595.9
10°	535.5	539.3	542.6	550.4	564.1	581.0	589.5	609.0	625.9	637.6	640.2
12.5°	543.9	549.8	558.8	577.8	590.1	612.2	623.9	642.8	666.2	679.3	688.4
15°	560.2	562.1	573.8	598.0	624.6	644.8	663.0	676.7	699.4	714.3	715.0
17.5°	581.0	589.5	605.7	628.5	656.5	686.4	700.7	715.7	724.1	744.3	748.8
20°	622.7	623.9	639.6	669.5	704.6	731.9	742.4	750.2	746.9	767.7	771.6
22.5°	661.7	663.0	682.5	722.8	760.6	784.0	788.5	784.0	774.2	789.2	790.5
25°	701.4	713.1	727.4	767.7	814.6	845.8	846.5	834.1	813.9	816.5	823.0
27.5°	763.2	771.6	786.6	823.7	875.1	910.2	904.3	889.4	863.4	865.3	863.4
30°	835.4	843.2	855.5	903.1	940.8	979.2	987.7	973.3	934.3	925.9	935.6
32.5°	922.6	933.6	956.4	1000.0	1031.9	1055.3	1061.2	1056.0	1019.5	1016.3	1022.7
35°	1028.6	1043.6	1064.4	1102.8	1128.8	1171.1	1171.1	1153.5	1120.4	1124.2	1123.6
37.5°	1140.6	1162.7	1195.1	1234.3	1269.3	1292.1	1285.0	1270.0	1236.8	1228.4	1236.8
40°	1281.1	1292.1	1333.1	1383.9	1426.8	1452.8	1422.2	1389.8	1310.4	1322.7	1345.4
42.5°	1409.3	1426.8	1458.0	1514.0	1562.7	1584.3	1547.8	1483.4	1387.7	1378.0	1394.9
45°	1518.5	1537.4	1578.4	1658.5	1709.8	1728.7	1648.0	1543.9	1434.6	1409.9	1417.0
47.5°	1591.4	1601.2	1658.5	1734.6	1781.4	1824.3	1708.5	1585.5	1456.7	1409.9	1407.2
50°	1563.4	1580.3	1647.4	1733.9	1819.1	1849.7	1739.1	1617.4	1463.8	1404.0	1396.2
52.5°	1388.4	1417.7	1492.5	1609.0	1737.8	1847.1	1781.4	1607.0	1461.2	1409.9	1421.6
55°	966.1	966.8	1057.9	1229.6	1457.4	1715.1	1719.6	1618.8	1478.2	1446.4	1446.9
57.5°	388.5	408.0	477.5	649.9	860.1	1177.7	1400.1	1501.6	1480.2	1472.3	1492.5
60°	98.2	98.9	120.3	183.5	302.5	504.9	733.3	992.2	1142.5	1193.9	1201.0
62.5°	50.1	50.7	55.9	65.1	82.6	135.3	240.7	381.9	543.3	625.2	646.7
65°	41.0	41.0	44.2	48.8	49.5	52.1	62.5	89.1	129.5	147.0	149.0
67.5°	31.2	31.2	33.8	36.4	37.8	37.1	35.7	37.1	44.9	43.0	41.6
70°	19.5	20.2	21.4	24.1	25.4	26.0	26.7	28.0	31.9	33.2	31.9
72.5°	11.7	11.7	12.4	14.3	16.2	17.6	19.5	20.9	22.8	26.0	25.4
75°	5.2	5.2	6.5	8.5	10.4	12.4	14.3	16.2	17.6	19.5	20.2
77.5°	1.3	1.9	3.3	5.9	7.8	10.4	13.0	15.0	16.2	16.2	15.6
80°	0.7	0.7	2.6	4.5	8.5	11.1	14.3	15.6	17.6	16.2	14.3
82.5°	0.7	0.7	2.6	4.5	7.8	11.1	15.0	16.9	18.2	16.2	13.6
85°	0.0	0.7	1.9	3.9	6.5	7.8	6.5	4.5	2.6	2.6	1.9
87.5°	0.0	0.0	0.7	0.7	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)