

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: P652150

Luminaire Tested: **GALN-SA1B-840-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-840-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5078.8 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 44
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

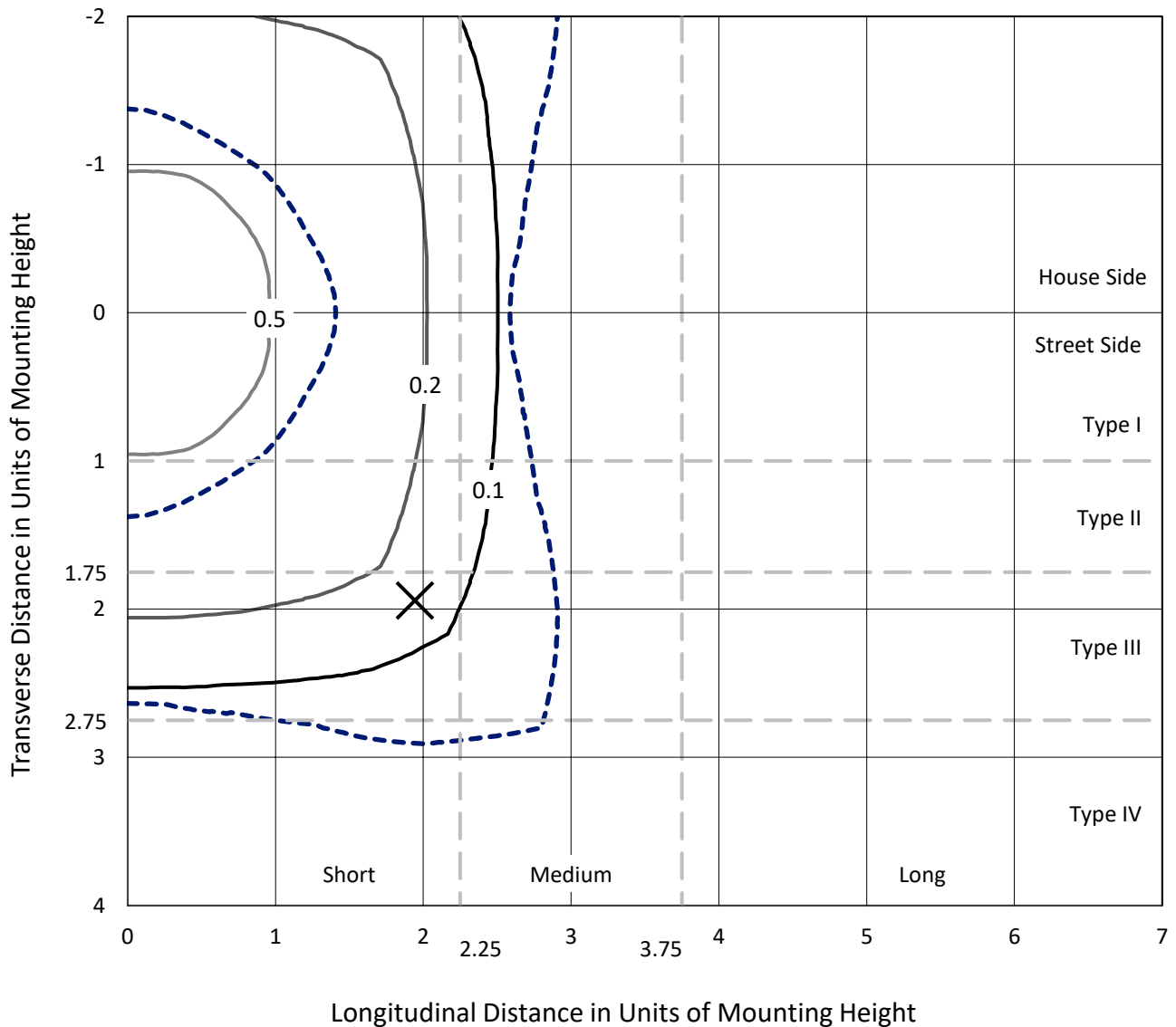




REPORT NUMBER: P652150
 CATALOG NUMBER: GALN-SA1B-840-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

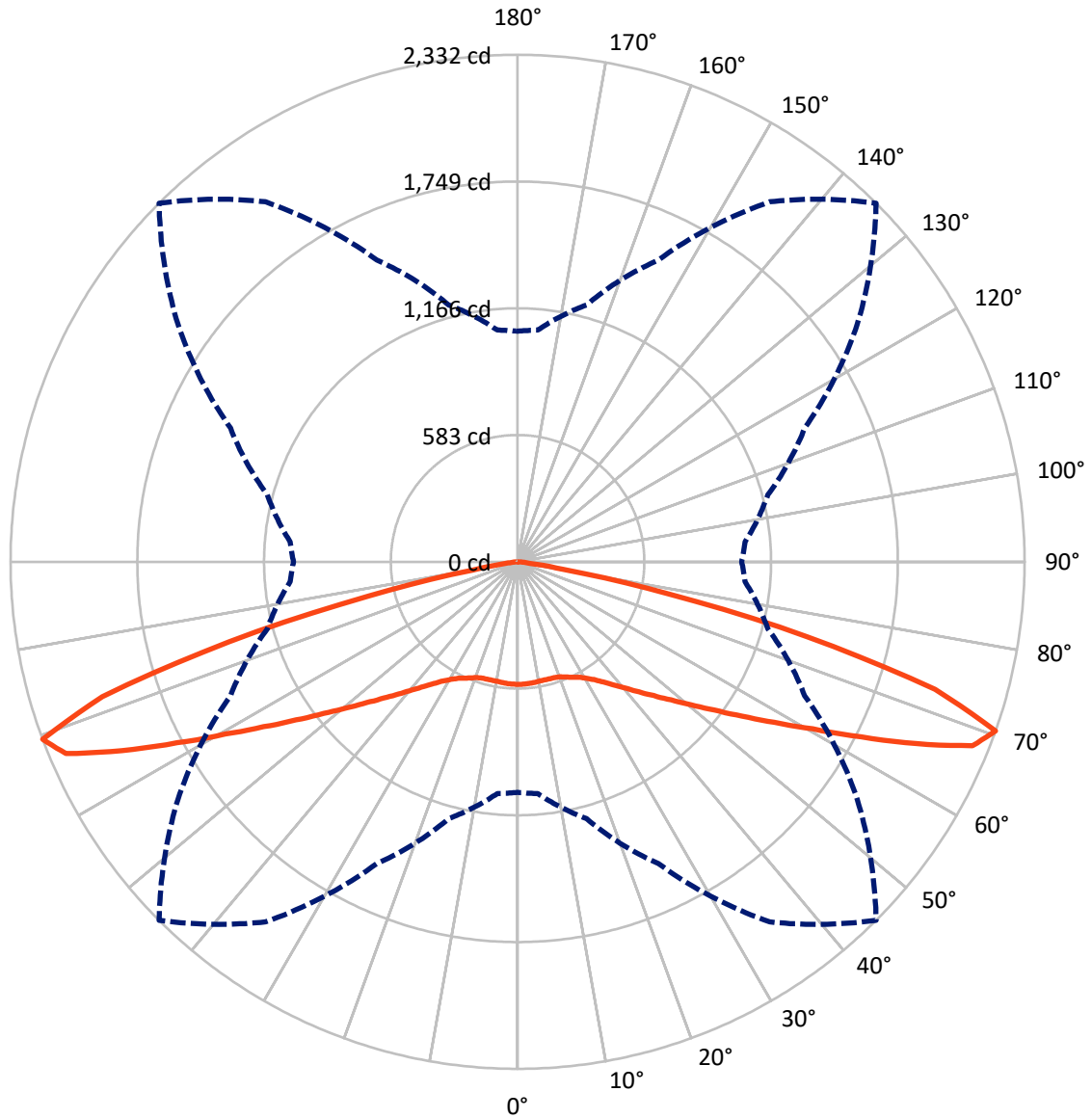
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P652150
CATALOG NUMBER: GALN-SA1B-840-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P652150
 CATALOG NUMBER: GALN-SA1B-840-U-5MQ

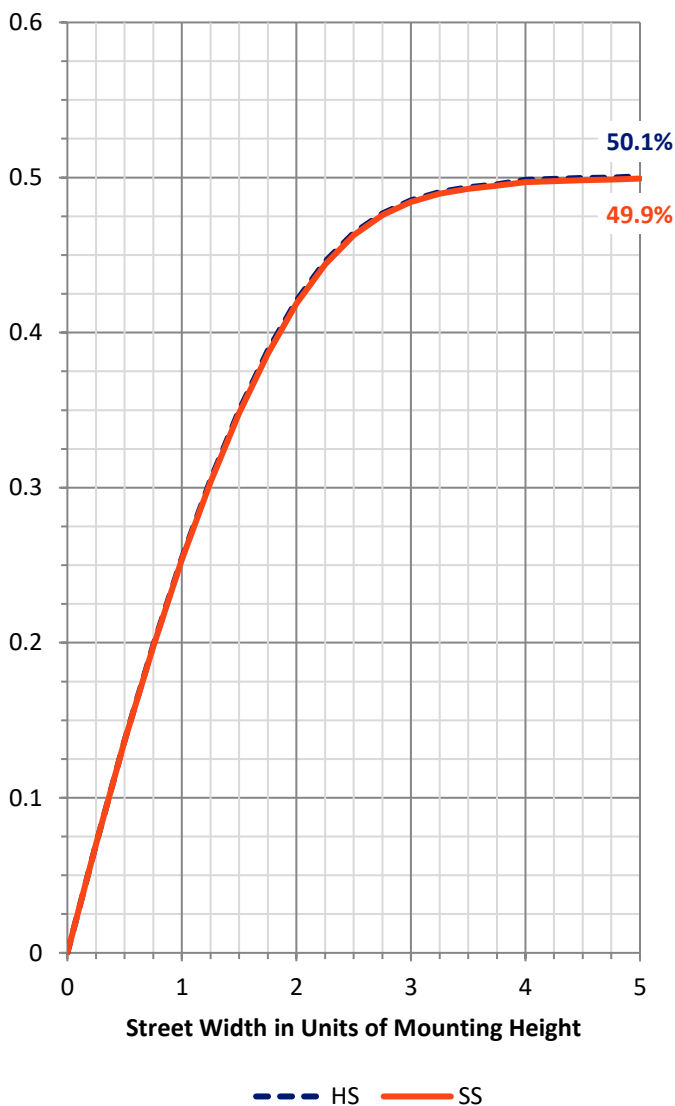
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2539.4	0.0	2539.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2539.4	0.0	2539.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5078.8	0.0	5078.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	1.1
10°-20°	156.9	3.1
20°-30°	268.4	5.3
30°-40°	426.0	8.4
40°-50°	687.3	13.5
50°-60°	1118.2	22.0
60°-70°	1621.0	31.9
70°-80°	719.0	14.2
80°-90°	28.4	0.6
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°	5078.8	100.0
0°-180°	5078.8	100.0



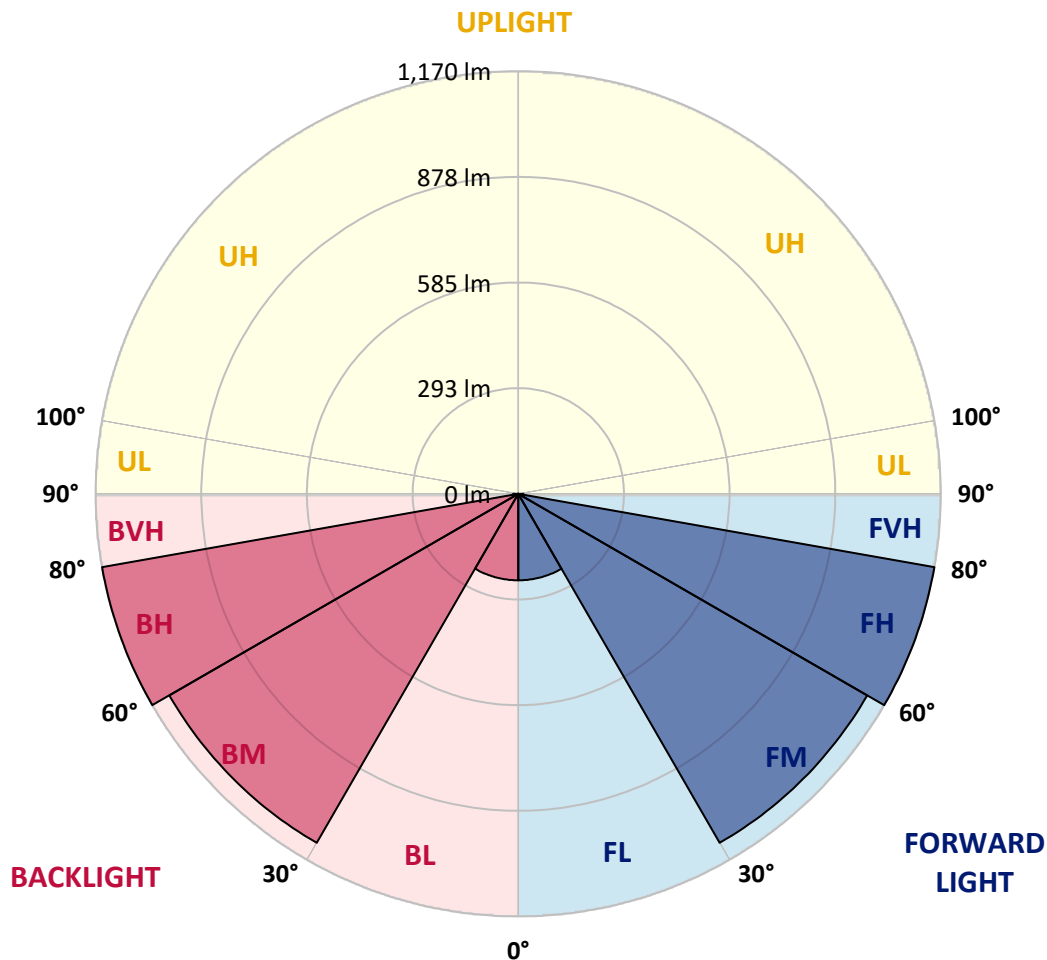
REPORT NUMBER: P652150
 CATALOG NUMBER: GALN-SA1B-840-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.4	4.7			
FM (30°-60°)	1115.8	22.0			
FH (60°-80°)	1170.0	23.0			G1/1800
FVH (80°-90°)	14.2	0.3			G1/100
BL (0°-30°)	239.4	4.7	B1/500		
BM (30°-60°)	1115.8	22.0	B2/2500		
BH (60°-80°)	1170.0	23.0	B3/2500		G1/1800
BVH (80°-90°)	14.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P652150
 CATALOG NUMBER: GALN-SA1B-840-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0
2.5°	564.0	564.5	563.7	563.1	562.9	562.9	562.6	562.9	564.5	564.8	564.0
5°	562.4	562.9	562.6	562.1	561.9	561.9	561.5	561.3	562.6	563.1	562.9
7.5°	560.2	560.5	560.2	559.9	560.2	559.9	559.2	558.6	559.7	559.7	559.4
10°	556.5	557.0	556.7	557.0	557.6	557.6	556.5	555.4	555.6	555.1	555.1
12.5°	551.9	552.7	553.0	554.1	555.4	557.0	554.6	552.2	551.7	551.4	551.1
15°	549.0	549.8	550.9	551.9	554.3	557.8	554.3	550.6	549.5	548.4	547.9
17.5°	548.2	549.3	550.9	552.5	555.6	559.2	556.2	552.5	549.8	548.2	547.7
20°	550.4	551.1	553.5	556.5	561.0	564.5	561.5	557.6	553.5	551.1	550.4
22.5°	554.6	556.0	558.9	564.2	570.7	575.7	571.7	565.1	558.6	555.4	554.3
25°	564.0	565.1	568.5	575.7	583.2	588.0	583.8	576.0	567.2	562.9	561.5
27.5°	578.2	579.8	583.5	592.1	598.2	600.9	598.0	592.7	586.2	581.6	580.5
30°	598.2	600.1	605.8	614.9	618.8	620.5	619.1	615.6	611.1	606.3	605.2
32.5°	625.3	626.4	632.8	641.3	645.0	645.6	644.0	642.4	634.9	626.9	626.4
35°	655.6	657.4	665.1	675.3	678.8	679.1	675.8	673.5	664.6	658.2	658.2
37.5°	695.7	696.4	704.0	715.4	719.2	718.1	716.5	714.4	705.0	696.8	697.0
40°	742.8	744.4	750.8	764.2	764.2	762.9	764.0	762.3	752.9	745.0	745.2
42.5°	798.7	799.5	807.3	821.5	820.4	817.7	818.8	816.7	810.8	801.6	798.4
45°	858.4	861.6	875.0	888.7	886.5	877.9	882.2	881.7	876.3	862.7	863.5
47.5°	930.4	935.8	948.6	965.0	962.5	949.2	953.9	957.1	949.7	934.7	932.0
50°	1011.6	1015.0	1034.0	1049.2	1047.1	1032.9	1043.9	1044.4	1025.7	1004.6	1004.6
52.5°	1098.0	1101.5	1127.2	1151.0	1152.3	1131.7	1140.6	1140.0	1109.4	1081.6	1076.3
55°	1194.9	1196.5	1229.6	1264.7	1272.3	1252.2	1253.3	1242.5	1202.9	1170.5	1167.6
57.5°	1295.0	1300.9	1337.5	1383.0	1405.2	1392.9	1387.3	1358.7	1320.4	1283.2	1281.3
60°	1405.8	1406.1	1453.7	1507.5	1552.5	1560.8	1537.8	1499.5	1450.0	1400.7	1398.6
62.5°	1482.6	1494.1	1554.3	1645.3	1725.9	1772.5	1711.8	1631.5	1534.0	1454.5	1446.5
65°	1498.4	1506.1	1598.0	1752.1	1916.8	2017.1	1876.6	1705.9	1539.6	1433.7	1428.3
67.5°	1370.7	1379.0	1502.7	1739.3	2050.6	2256.4	1983.7	1670.0	1444.3	1313.2	1302.7
70°	1060.2	1069.6	1222.5	1531.0	2020.9	2331.7	1907.4	1456.6	1191.1	1049.6	1030.6
72.5°	563.7	598.2	728.9	1050.8	1640.3	2007.6	1564.0	1062.9	768.2	628.0	602.8
75°	205.9	210.1	282.9	466.0	954.2	1376.6	990.9	507.0	291.5	225.1	213.6
77.5°	85.1	84.9	93.2	140.8	346.7	705.0	386.8	148.9	92.8	86.0	84.9
80°	50.3	50.3	55.4	58.6	91.2	212.8	102.0	66.4	55.7	50.9	51.6
82.5°	22.5	23.8	35.1	36.9	44.2	58.4	49.3	42.3	36.4	25.1	22.8
85°	12.3	10.7	18.5	19.3	21.1	21.7	23.3	23.0	21.1	12.3	12.6
87.5°	2.4	2.9	5.4	4.0	4.5	4.0	5.4	7.5	7.7	4.3	3.4
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)