

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: P526349

Luminaire Tested: **GALN-SA1B-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-740-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

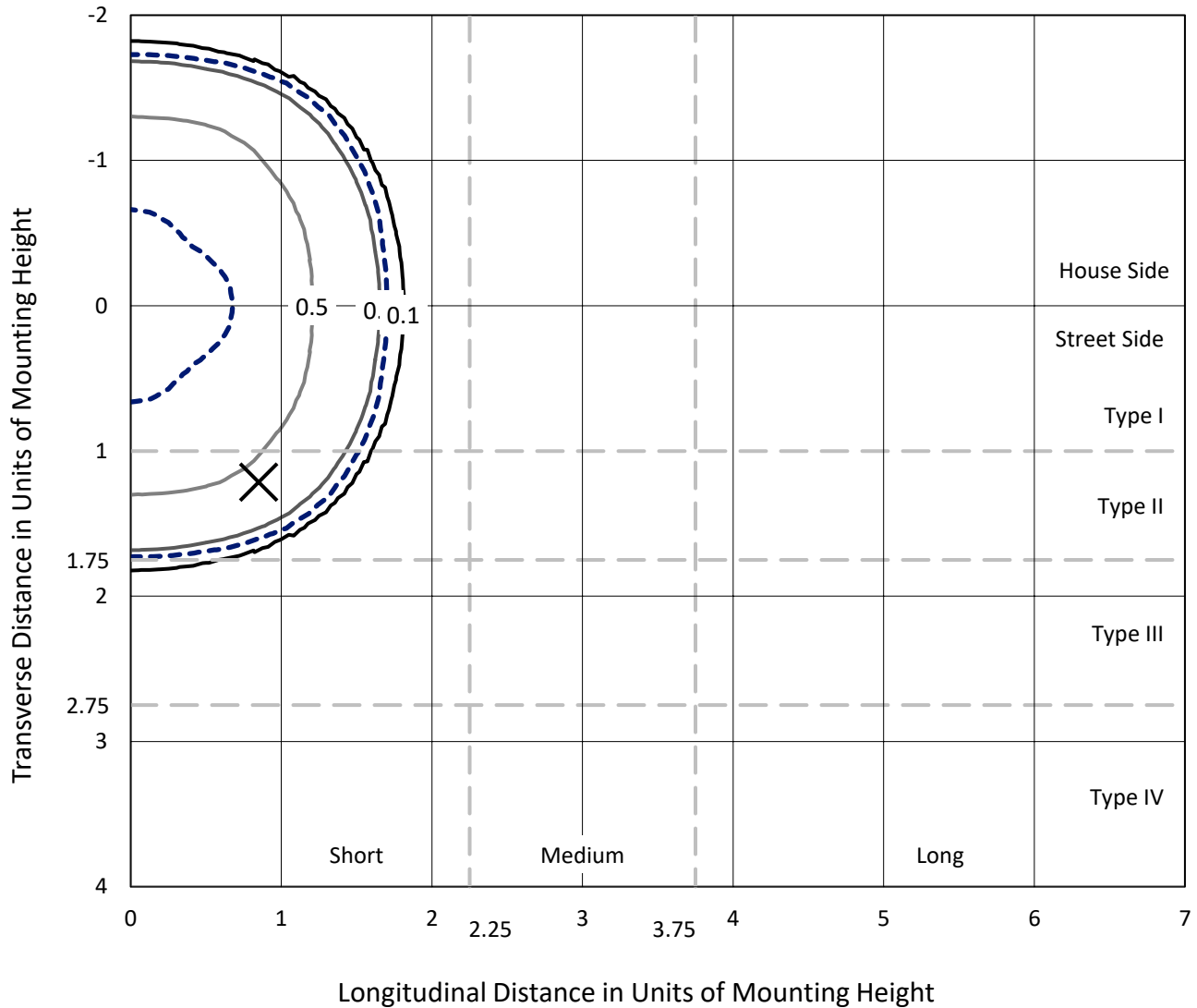
Lumens per Lamp: N/A  
Luminaire Lumens: 3456 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



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### Iso-Footcandle Lines of Horizontal Illumination

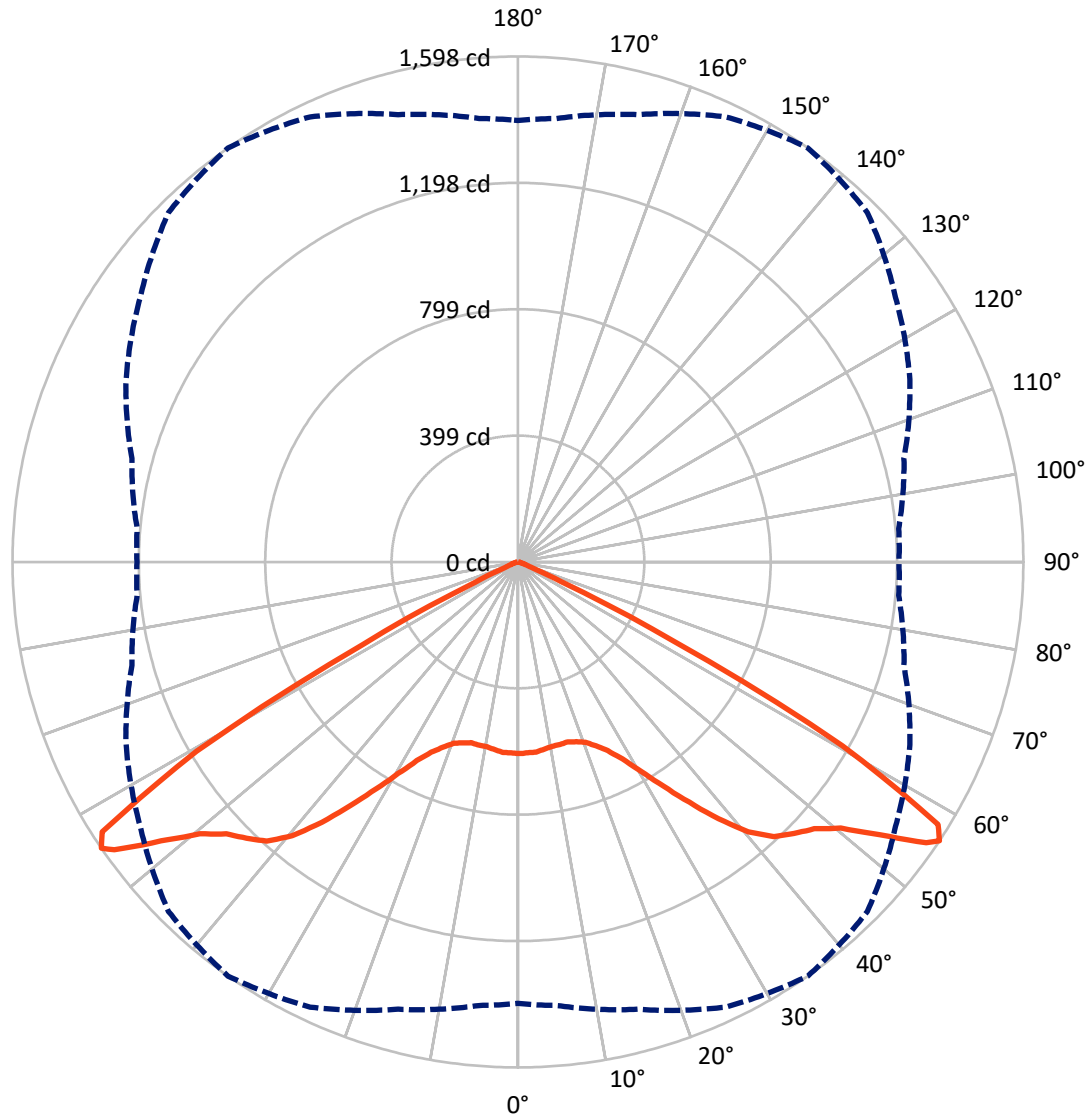
× Max cd  
 - - - 1/2 Max cd



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 35-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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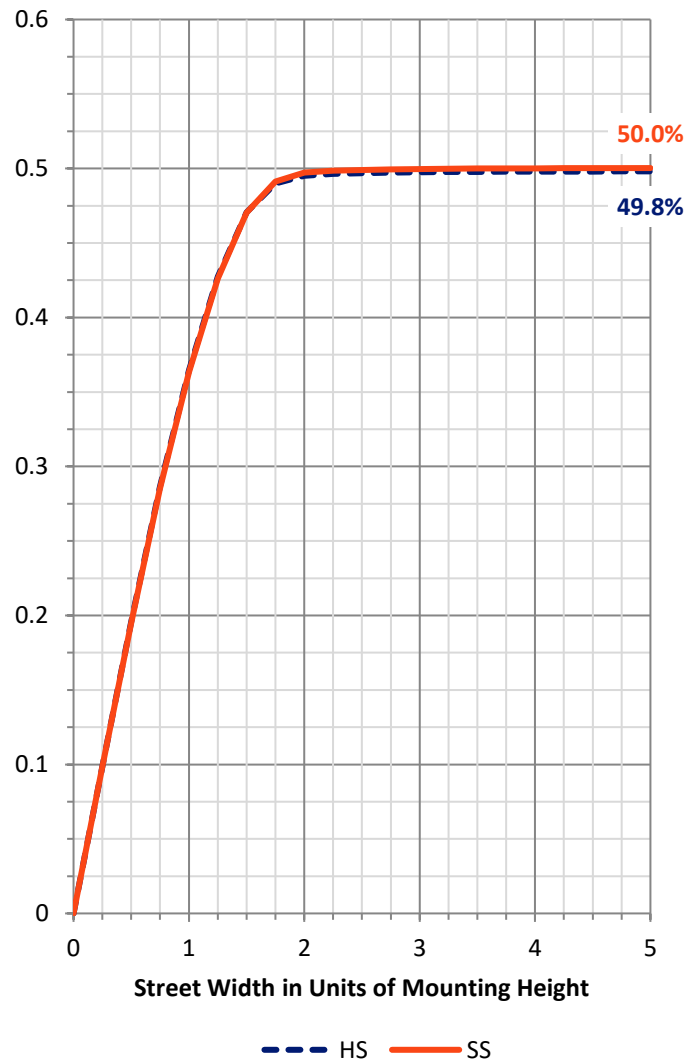
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1728.0	0.0	1728.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1728.0	0.0	1728.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3456.0	0.0	3456.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.9	1.6
10°-20°	166.2	4.8
20°-30°	300.9	8.7
30°-40°	558.0	16.1
40°-50°	915.9	26.5
50°-60°	1179.9	34.1
60°-70°	260.0	7.5
70°-80°	15.1	0.4
80°-90°	3.2	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°	3456.0	100.0
0°-180°	3456.0	100.0

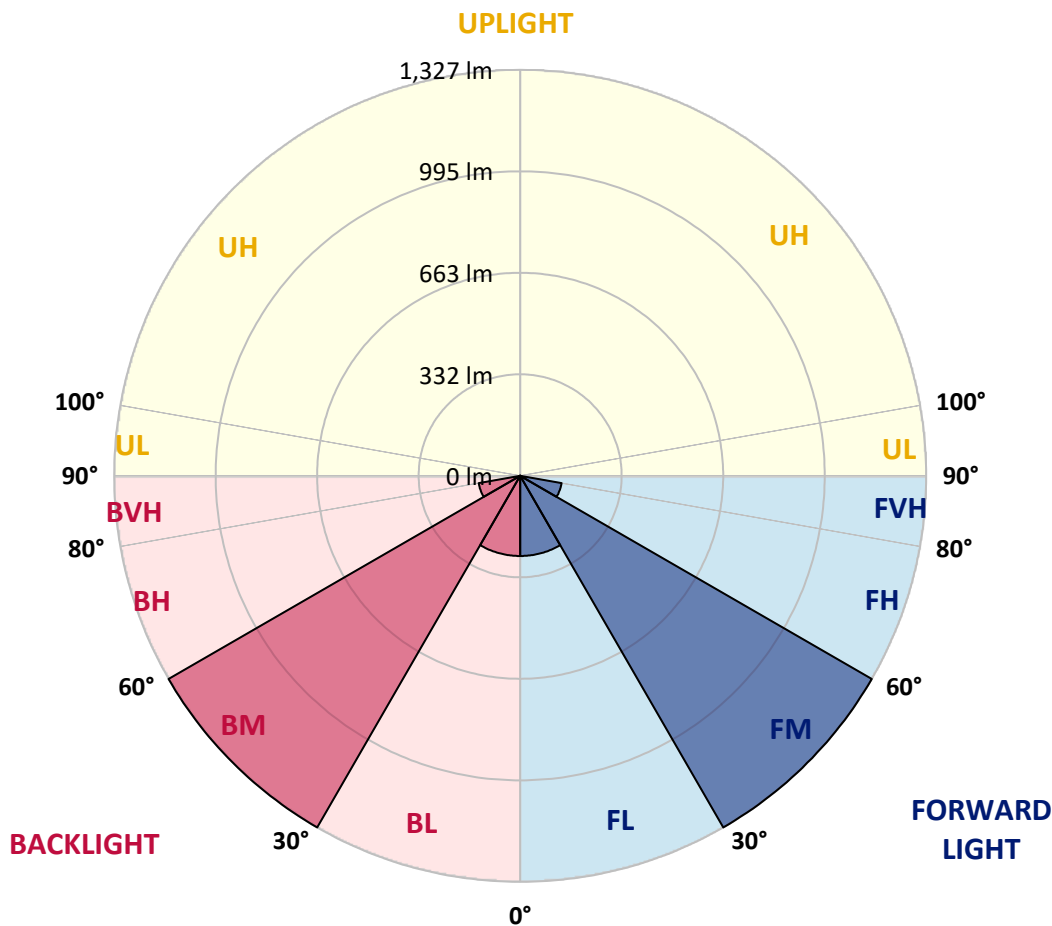


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.0	7.6			
FM (30°-60°)	1326.9	38.4			
FH (60°-80°)	137.6	4.0			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	262.0	7.6	B1/500		
BM (30°-60°)	1326.9	38.4	B2/2500		
BH (60°-80°)	137.6	4.0	B1/500		G0/660
BVH (80°-90°)	1.6	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°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6
2.5°	606.8	606.8	607.4	608.1	603.7	601.8	602.4	601.2	600.6	602.4	602.4
5°	604.9	604.9	603.1	603.7	603.7	598.1	598.1	599.3	599.3	595.5	594.3
7.5°	599.9	598.7	596.2	599.3	597.4	597.4	593.0	589.9	588.7	591.2	588.7
10°	589.3	589.9	592.4	593.7	592.4	596.2	588.7	584.3	579.9	578.0	578.0
12.5°	584.3	588.0	584.3	587.4	591.8	588.7	584.3	581.1	574.9	572.4	572.4
15°	583.6	586.2	587.4	591.8	589.9	591.2	582.4	578.6	569.2	564.9	563.0
17.5°	583.0	586.2	588.0	596.2	597.4	598.1	591.2	579.9	571.7	567.4	563.0
20°	589.9	591.2	594.9	603.1	608.1	616.8	604.3	592.4	574.9	569.9	568.0
22.5°	598.7	604.9	608.7	617.5	630.6	638.1	621.8	606.8	588.7	582.4	574.9
25°	626.9	625.6	631.9	650.0	660.7	666.3	653.2	631.2	607.4	599.9	601.2
27.5°	661.9	663.2	668.8	688.9	704.5	713.3	697.6	668.8	645.6	633.1	631.9
30°	707.6	706.4	712.7	739.6	767.8	780.9	753.4	719.5	697.0	680.7	684.5
32.5°	755.9	756.5	774.0	798.4	844.2	869.8	825.4	784.0	750.2	739.0	733.3
35°	827.3	830.4	844.2	881.7	932.5	965.6	916.8	867.3	828.5	807.8	810.3
37.5°	915.5	912.4	935.6	976.3	1029.5	1053.9	1012.6	956.3	916.8	903.0	911.8
40°	1009.5	1012.6	1024.5	1061.5	1121.0	1137.2	1075.9	1045.2	1010.7	1003.8	1014.5
42.5°	1103.4	1101.5	1110.3	1143.5	1186.7	1175.4	1139.1	1121.0	1096.5	1082.8	1097.2
45°	1172.3	1169.2	1185.5	1208.0	1223.7	1202.4	1186.1	1179.8	1167.3	1152.3	1165.4
47.5°	1239.3	1236.8	1252.5	1258.7	1260.0	1231.8	1234.9	1246.2	1214.9	1183.6	1198.6
50°	1296.3	1291.9	1311.3	1325.1	1322.0	1276.9	1288.2	1276.9	1228.0	1191.1	1185.5
52.5°	1391.5	1393.4	1414.0	1439.1	1431.6	1394.0	1377.7	1326.4	1263.7	1230.5	1211.1
55°	1451.6	1442.2	1477.9	1557.4	1566.2	1527.4	1455.4	1379.6	1285.7	1244.9	1239.9
56°	1395.2	1407.1	1463.5	1552.4	1597.5	1561.8	1457.2	1366.4	1263.1	1208.0	1204.2
57.5°	1251.8	1245.6	1322.0	1443.5	1566.2	1551.2	1405.9	1272.5	1152.3	1090.3	1082.8
60°	779.0	797.2	864.2	1014.5	1178.6	1186.1	1042.0	927.4	787.2	732.1	745.2
62.5°	305.0	289.3	331.3	443.4	556.1	581.1	526.7	437.7	359.5	305.0	301.2
65°	70.8	68.9	77.7	107.1	149.7	173.5	164.7	118.4	87.0	82.7	76.4
67.5°	40.1	40.1	38.2	38.2	42.0	44.5	42.6	42.0	43.8	45.7	45.1
70°	28.2	27.6	26.3	26.9	25.7	25.7	27.6	30.7	33.2	33.2	33.8
72.5°	16.9	16.9	16.9	18.8	18.8	18.8	20.7	23.2	23.8	23.2	22.5
75°	7.5	7.5	8.8	10.6	11.9	12.5	14.4	15.7	16.9	15.7	14.4
77.5°	1.9	1.9	3.1	4.4	5.6	6.9	9.4	11.3	11.9	11.3	9.4
80°	0.6	0.6	1.3	3.1	5.6	6.9	9.4	10.0	10.6	9.4	7.5
82.5°	0.6	0.6	1.3	3.1	4.4	5.6	7.5	8.8	9.4	8.1	7.5
85°	0.0	0.6	1.3	2.5	3.8	5.0	5.0	3.8	3.1	1.9	2.5
87.5°	0.0	0.0	0.6	0.6	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)