

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: P526305

Luminaire Tested: **GALN-SA1B-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526305  
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-SA1B-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA 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: 3389 lumens  
Efficiency: N/A  
Efficacy: 77.0 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

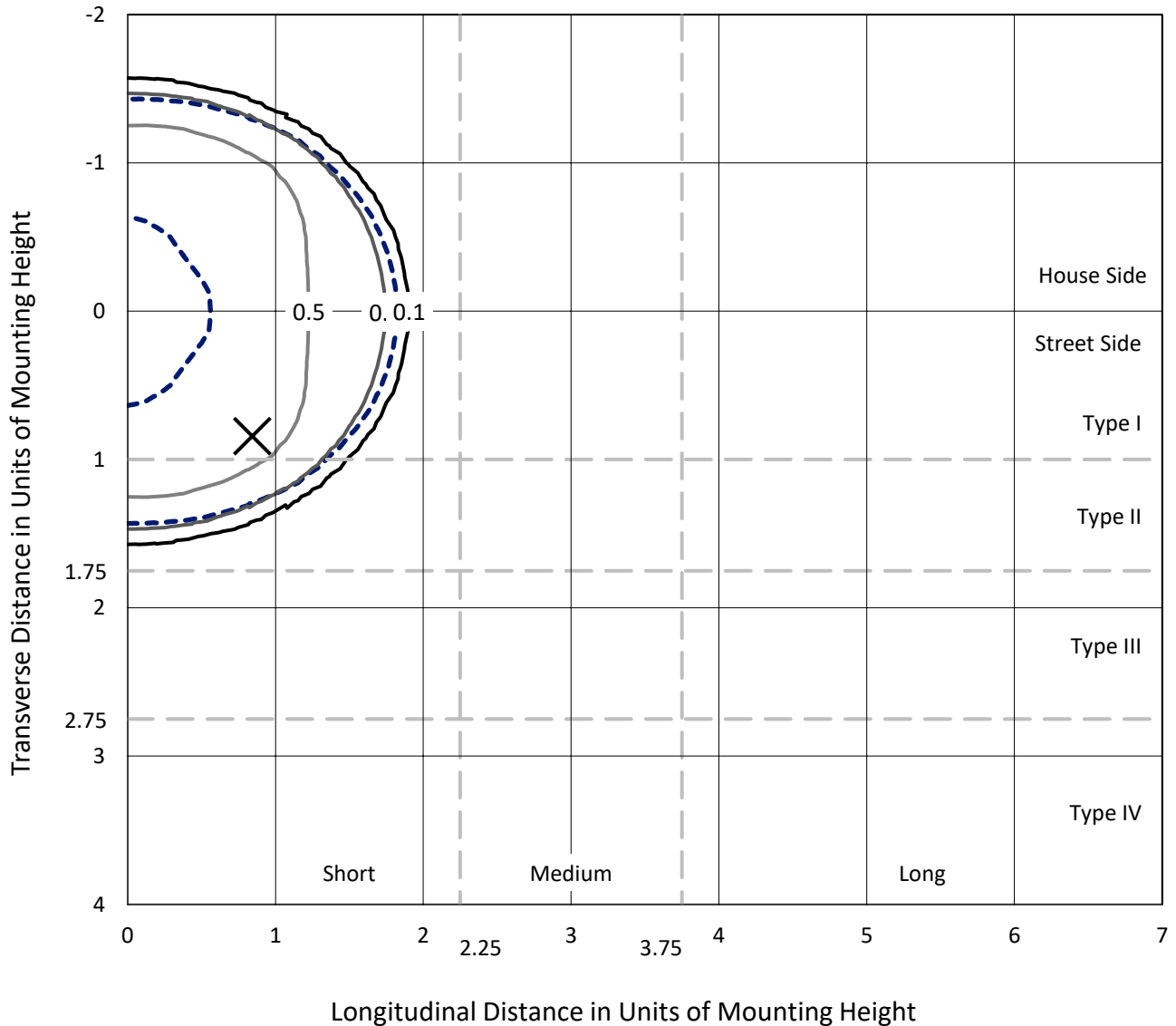
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

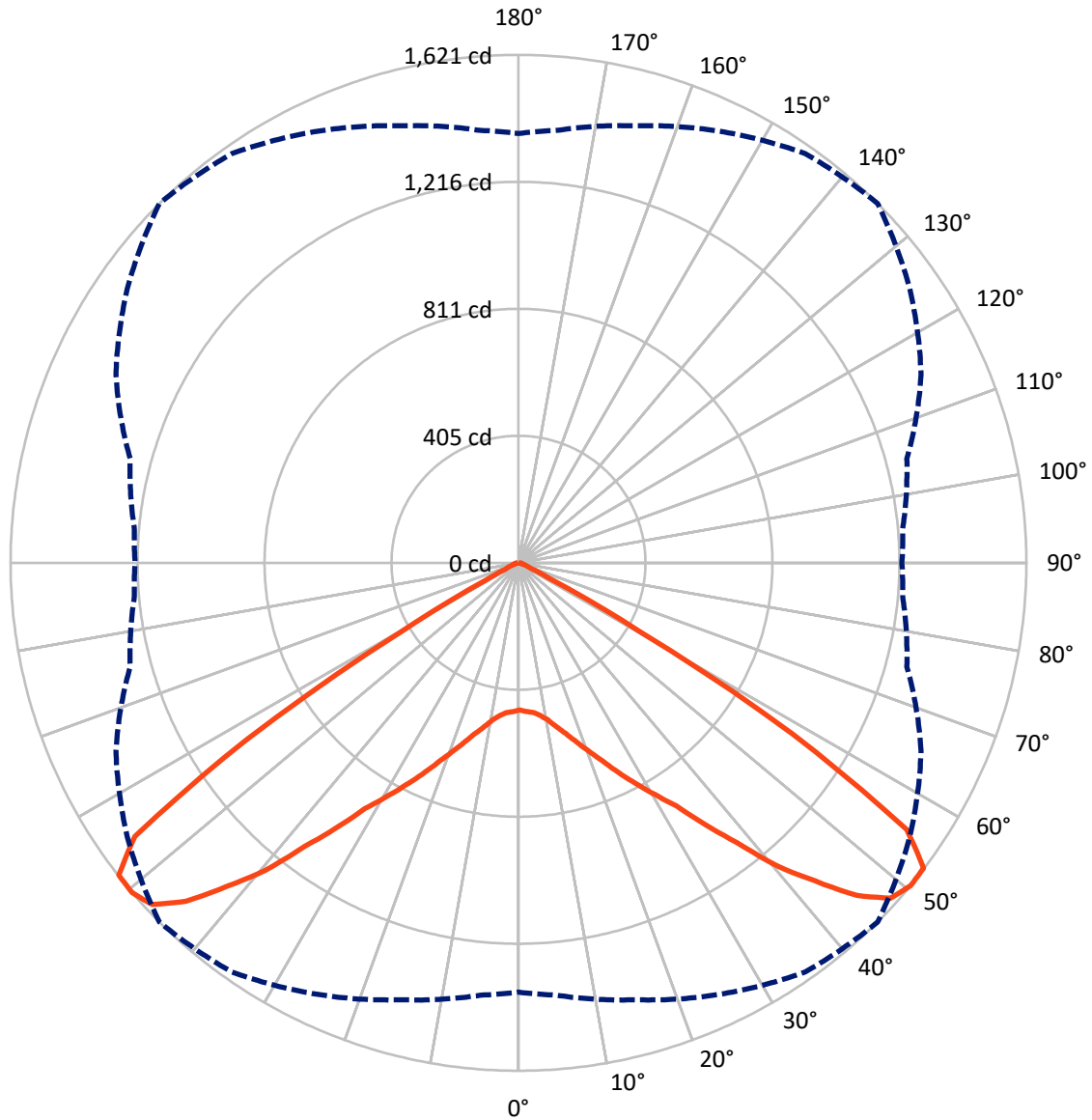
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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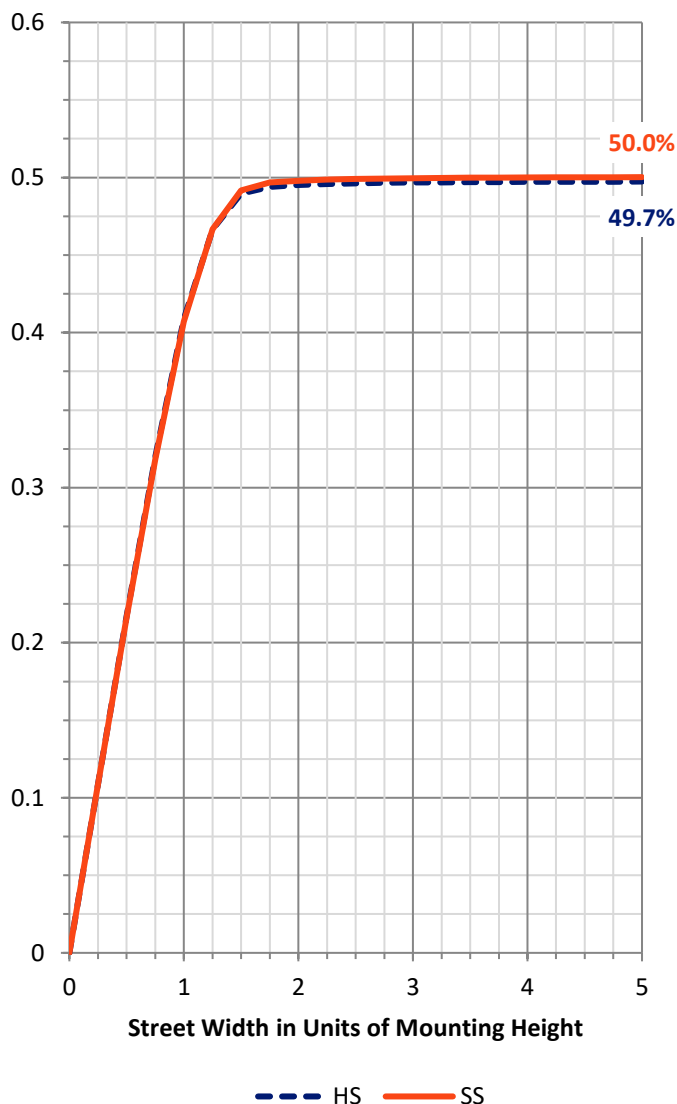
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1694.5	0.0	1694.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1694.5	0.0	1694.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3389.0	0.0	3389.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.7	1.4
10°-20°	161.1	4.8
20°-30°	329.0	9.7
30°-40°	627.5	18.5
40°-50°	1057.4	31.2
50°-60°	1008.4	29.8
60°-70°	140.8	4.2
70°-80°	13.5	0.4
80°-90°	4.7	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°	3389.0	100.0
0°-180°	3389.0	100.0

**Coefficient of Utilization**



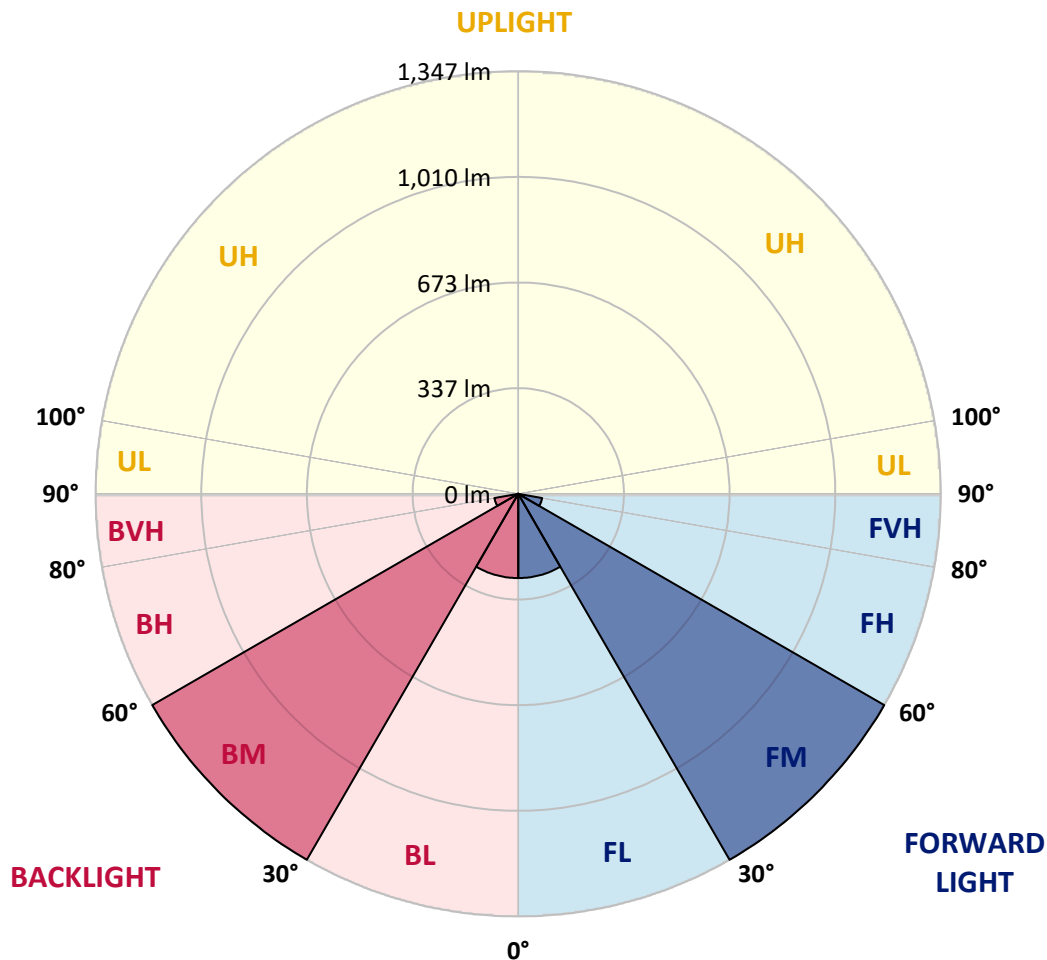
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.4	7.9			
FM (30°-60°)	1346.6	39.7			
FH (60°-80°)	77.1	2.3			G0/660
FVH (80°-90°)	2.3	0.1			G0/10
BL (0°-30°)	268.4	7.9	B1/500		
BM (30°-60°)	1346.6	39.7	B2/2500		
BH (60°-80°)	77.1	2.3	B0/110		G0/660
BVH (80°-90°)	2.3	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°	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.8
2.5°	468.1	468.1	467.6	472.1	469.8	475.0	474.4	476.1	477.8	477.3	481.8
5°	464.1	463.6	463.6	468.7	473.8	479.5	484.7	488.1	493.8	493.8	499.5
7.5°	468.1	465.3	469.3	471.6	481.3	490.9	499.5	506.3	519.5	524.0	522.3
10°	469.3	472.7	475.5	482.4	494.4	509.2	516.6	533.7	548.5	558.8	561.1
12.5°	476.7	481.8	489.8	506.3	517.2	536.6	546.8	563.4	583.9	595.3	603.3
15°	490.9	492.7	502.9	524.0	547.4	565.1	581.0	593.0	613.0	626.1	626.7
17.5°	509.2	516.6	530.9	550.8	575.3	601.6	614.1	627.2	634.6	652.3	656.3
20°	545.7	546.8	560.5	586.7	617.5	641.5	650.6	657.4	654.6	672.8	676.3
22.5°	579.9	581.0	598.1	633.5	666.6	687.1	691.1	687.1	678.5	691.7	692.8
25°	614.7	624.9	637.5	672.8	713.9	741.3	741.8	731.0	713.3	715.6	721.3
27.5°	668.8	676.3	689.4	721.9	766.9	797.7	792.6	779.5	756.7	758.4	756.7
30°	732.1	739.0	749.8	791.4	824.5	858.2	865.6	853.0	818.8	811.4	820.0
32.5°	808.5	818.2	838.2	876.4	904.3	924.9	930.0	925.4	893.5	890.7	896.4
35°	901.5	914.6	932.9	966.5	989.3	1026.4	1026.4	1011.0	981.9	985.3	984.7
37.5°	999.6	1019.0	1047.5	1081.7	1112.5	1132.4	1126.2	1113.0	1084.0	1076.5	1084.0
40°	1122.7	1132.4	1168.3	1212.8	1250.5	1273.3	1246.5	1218.0	1148.4	1159.2	1179.2
42.5°	1235.1	1250.5	1277.8	1326.9	1369.6	1388.4	1356.5	1300.1	1216.2	1207.7	1222.5
45°	1330.9	1347.4	1383.3	1453.4	1498.5	1515.0	1444.3	1353.1	1257.3	1235.6	1241.9
47.5°	1394.7	1403.3	1453.4	1520.2	1561.2	1598.9	1497.4	1389.6	1276.7	1235.6	1233.3
50°	1370.2	1385.0	1443.8	1519.6	1594.3	1621.1	1524.2	1417.5	1283.0	1230.5	1223.7
52.5°	1216.8	1242.5	1308.0	1410.1	1523.0	1618.8	1561.2	1408.4	1280.7	1235.6	1245.9
55°	846.8	847.3	927.2	1077.7	1277.3	1503.1	1507.0	1418.7	1295.5	1267.6	1268.1
57.5°	340.4	357.5	418.5	569.6	753.8	1032.1	1227.1	1316.0	1297.2	1290.4	1308.0
60°	86.1	86.7	105.5	160.8	265.1	442.5	642.6	869.6	1001.3	1046.3	1052.6
62.5°	43.9	44.5	49.0	57.0	72.4	118.6	211.0	334.7	476.1	548.0	566.8
65°	35.9	35.9	38.8	42.8	43.3	45.6	54.7	78.1	113.5	128.9	130.6
67.5°	27.4	27.4	29.7	31.9	33.1	32.5	31.4	32.5	39.3	37.6	36.5
70°	17.1	17.7	18.8	21.1	22.2	22.8	23.4	24.5	27.9	29.1	27.9
72.5°	10.3	10.3	10.8	12.5	14.3	15.4	17.1	18.2	20.0	22.8	22.2
75°	4.6	4.6	5.7	7.4	9.1	10.8	12.5	14.3	15.4	17.1	17.7
77.5°	1.1	1.7	2.9	5.1	6.8	9.1	11.4	13.1	14.3	14.3	13.7
80°	0.6	0.6	2.3	4.0	7.4	9.7	12.5	13.7	15.4	14.3	12.5
82.5°	0.6	0.6	2.3	4.0	6.8	9.7	13.1	14.8	16.0	14.3	12.0
85°	0.0	0.6	1.7	3.4	5.7	6.8	5.7	4.0	2.3	2.3	1.7
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)