

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: P526306

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526306  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
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-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4595 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

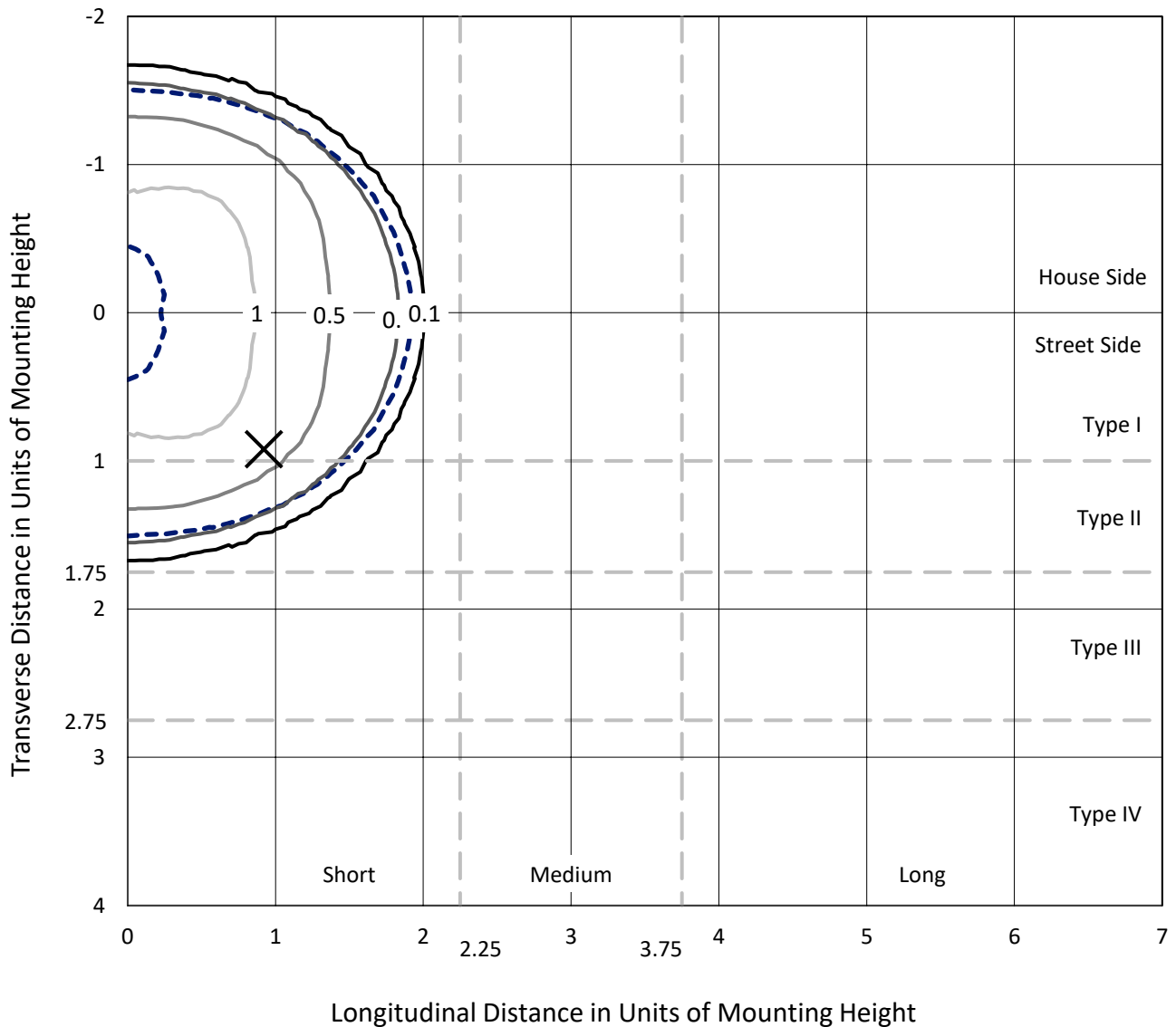
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

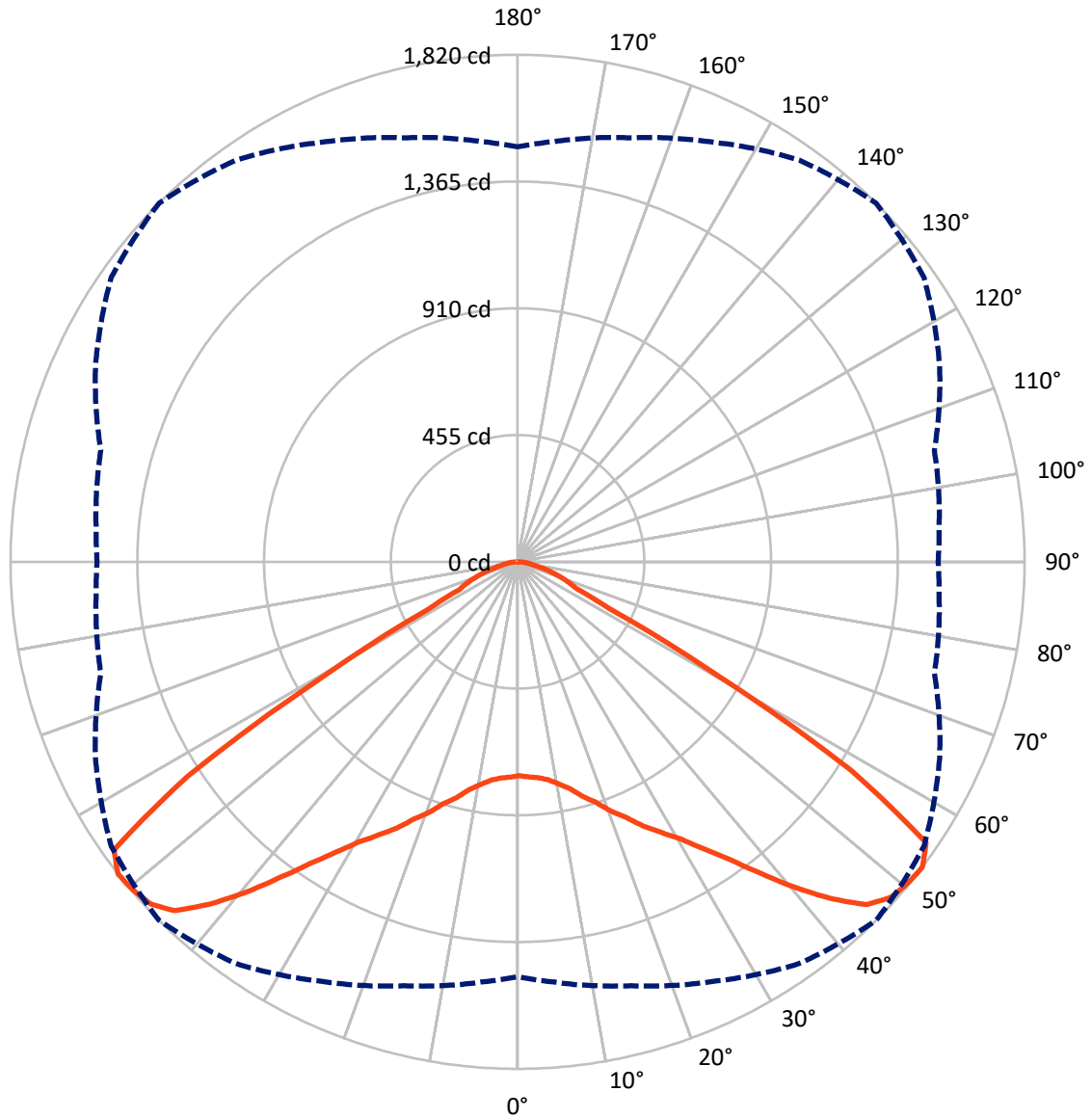
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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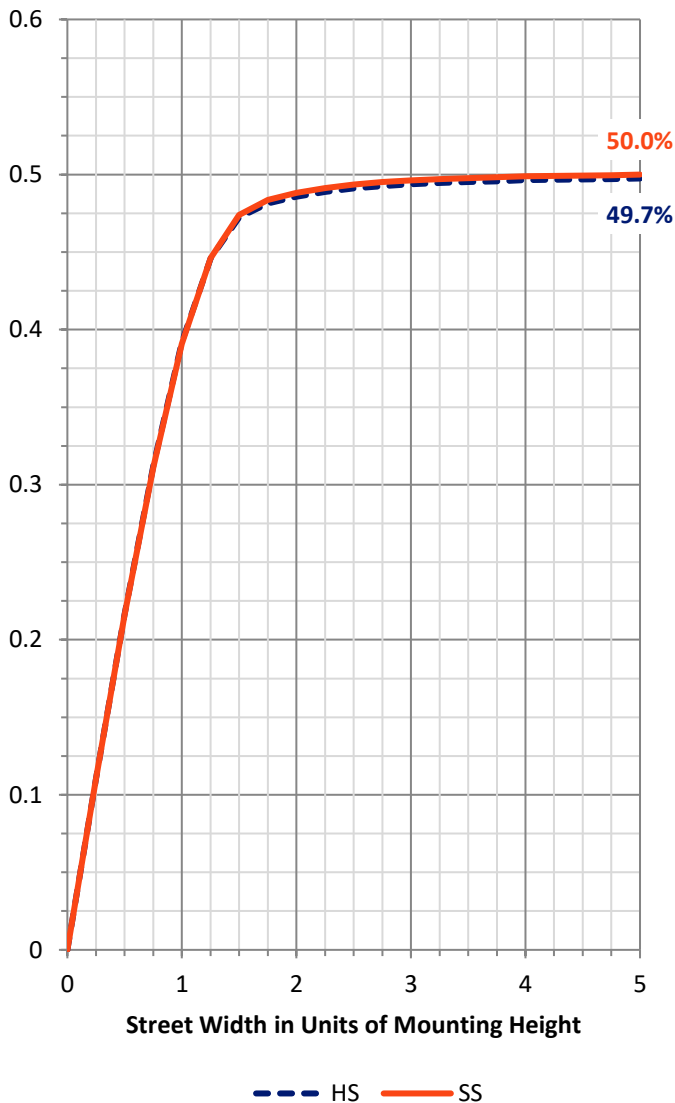
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2297.5	0.0	2297.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2297.5	0.0	2297.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4595.0	0.0	4595.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.5	1.6
10°-20°	248.0	5.4
20°-30°	472.1	10.3
30°-40°	810.6	17.6
40°-50°	1246.0	27.1
50°-60°	1265.3	27.5
60°-70°	352.6	7.7
70°-80°	104.0	2.3
80°-90°	21.0	0.5
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°	4595.0	100.0
0°-180°	4595.0	100.0

**Coefficient of Utilization**

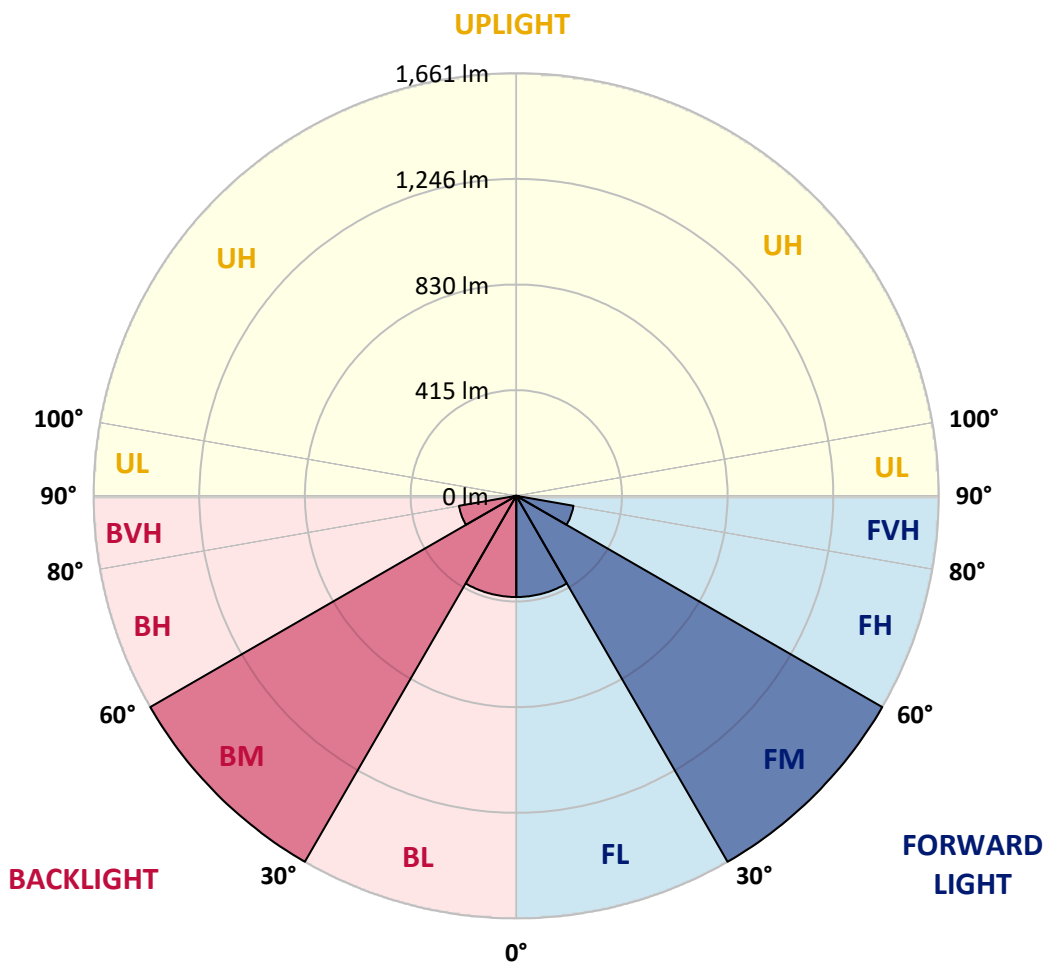


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.8	8.7			
FM (30°-60°)	1660.9	36.1			
FH (60°-80°)	228.3	5.0			G0/660
FVH (80°-90°)	10.5	0.2			G1/100
BL (0°-30°)	397.8	8.7	B1/500		
BM (30°-60°)	1660.9	36.1	B2/2500		
BH (60°-80°)	228.3	5.0	B1/500		G0/660
BVH (80°-90°)	10.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1
2.5°	769.8	761.8	764.7	766.4	773.8	773.2	771.5	773.8	776.1	776.7	775.5
5°	769.3	763.6	765.8	767.5	775.0	778.9	777.8	787.5	794.3	792.6	801.2
7.5°	764.7	768.1	765.3	773.8	780.1	789.8	800.0	809.2	817.7	827.4	829.1
10°	775.0	775.0	780.1	786.9	803.5	810.9	825.7	838.8	855.4	866.8	862.2
12.5°	785.8	787.5	787.5	805.2	818.9	835.4	849.1	866.8	890.1	903.8	910.7
15°	796.6	797.8	803.5	827.4	847.9	874.2	886.7	902.7	915.8	941.5	942.0
17.5°	806.3	812.6	829.7	856.5	882.2	907.3	927.2	943.7	955.2	965.4	963.1
20°	842.8	847.4	865.1	891.9	930.1	954.6	961.4	964.3	971.7	992.2	985.9
22.5°	878.2	879.9	896.4	937.5	964.3	996.8	1004.2	1002.5	1005.3	1010.5	1019.6
25°	914.7	917.5	940.3	975.1	1012.7	1051.5	1057.8	1044.7	1040.7	1046.4	1047.0
27.5°	961.4	962.0	991.1	1021.3	1064.1	1100.6	1110.3	1100.0	1081.2	1085.7	1093.2
30°	1020.7	1016.7	1045.8	1089.2	1134.2	1154.7	1171.3	1166.1	1145.6	1141.6	1135.4
32.5°	1089.2	1090.3	1116.5	1163.9	1193.5	1227.7	1245.4	1236.9	1223.7	1216.9	1220.9
35°	1185.5	1190.7	1208.3	1247.7	1295.6	1312.7	1340.6	1322.4	1288.2	1296.7	1304.1
37.5°	1264.8	1279.6	1312.7	1359.5	1388.0	1419.3	1429.6	1405.1	1380.0	1369.7	1394.2
40°	1386.3	1381.7	1418.2	1464.9	1507.1	1538.5	1525.4	1500.9	1438.7	1439.3	1446.1
42.5°	1490.6	1492.9	1520.8	1576.7	1634.3	1653.7	1612.1	1552.2	1483.2	1475.8	1490.6
45°	1578.4	1587.6	1603.5	1678.2	1734.7	1755.8	1678.8	1608.1	1515.7	1484.9	1509.4
47.5°	1609.8	1624.6	1659.4	1727.8	1783.7	1800.8	1739.2	1637.7	1545.9	1495.7	1508.9
50°	1614.4	1609.2	1666.2	1729.0	1778.0	1815.1	1760.9	1659.4	1538.5	1512.3	1508.3
52.5°	1489.5	1514.6	1575.6	1661.7	1760.9	1820.2	1780.3	1671.4	1548.8	1519.1	1509.4
55°	1205.5	1175.8	1287.0	1431.9	1614.4	1779.2	1773.4	1677.6	1555.0	1530.5	1517.4
57.5°	672.9	681.4	744.2	901.6	1137.1	1410.8	1576.7	1611.5	1552.2	1537.9	1544.8
60°	311.4	314.2	341.0	414.6	560.5	800.0	1018.5	1240.3	1342.3	1362.9	1362.9
62.5°	232.1	230.9	237.8	250.9	281.7	367.8	491.0	667.2	807.5	905.5	931.2
65°	209.8	209.3	212.7	217.3	219.5	231.5	258.9	313.1	358.7	384.9	380.4
67.5°	183.6	183.0	184.2	187.0	191.0	197.3	204.1	215.6	231.5	230.4	227.5
70°	148.3	148.3	150.0	152.3	156.8	164.2	172.2	180.2	193.9	196.7	196.2
72.5°	109.5	107.8	111.2	115.8	120.3	129.4	138.0	145.4	155.1	158.0	156.8
75°	69.6	70.7	73.0	78.1	86.1	92.4	101.5	107.8	114.0	116.3	116.9
77.5°	38.8	39.9	43.9	50.2	58.2	65.0	73.0	78.1	82.1	82.7	83.3
80°	23.4	24.0	27.9	33.6	40.5	47.9	54.2	59.3	62.7	61.0	60.4
82.5°	14.3	14.8	18.2	23.4	29.1	34.8	41.6	46.2	49.6	47.3	45.0
85°	7.4	8.0	10.8	14.3	18.8	21.7	21.7	19.4	18.8	17.7	17.1
87.5°	2.3	2.3	2.9	3.4	2.9	3.4	4.0	4.6	4.6	5.1	4.6
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)