

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: P526274

Luminaire Tested: **GALN-SA1B-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526274  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-727-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

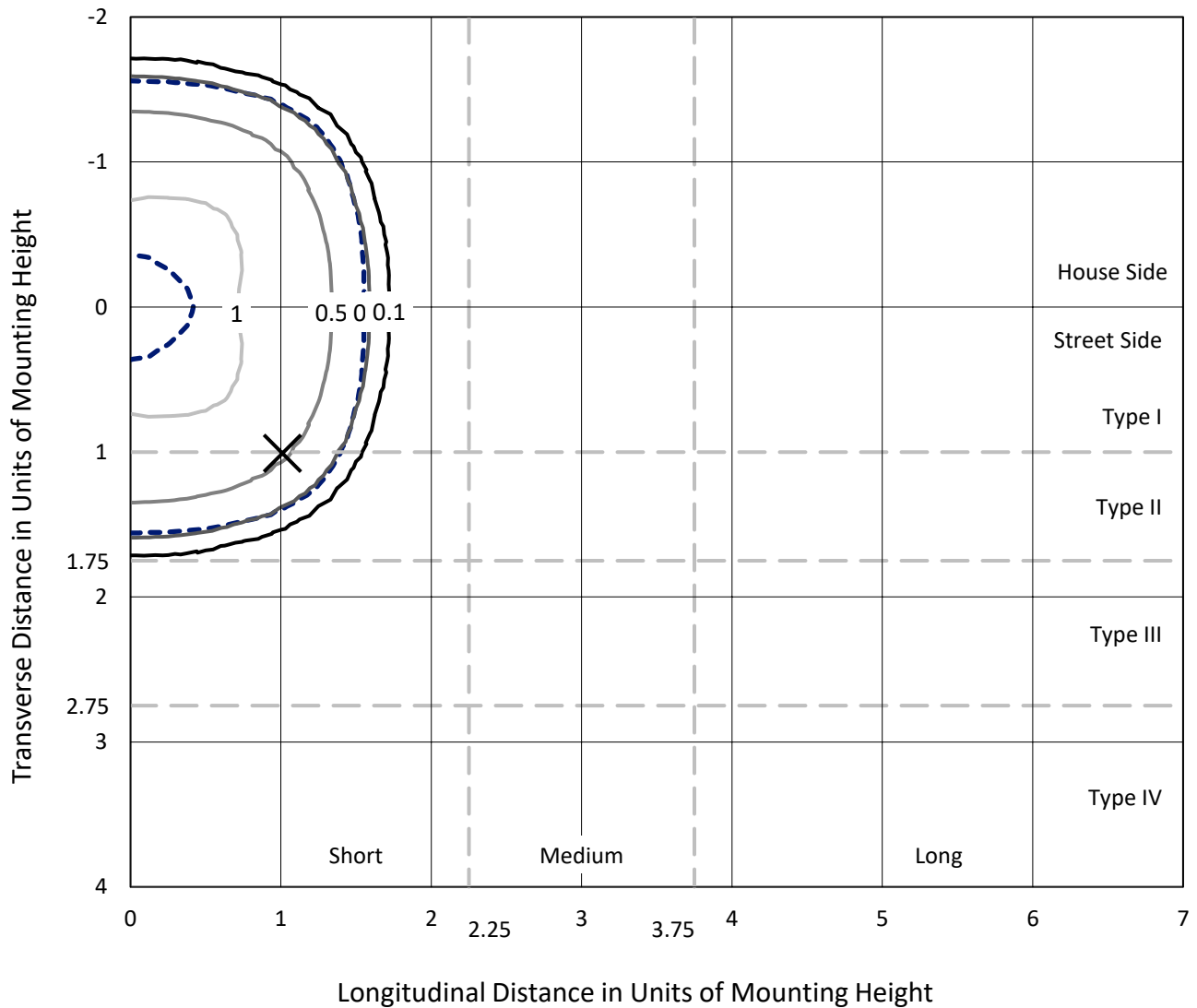
Lumens per Lamp: N/A  
Luminaire Lumens: 4337 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

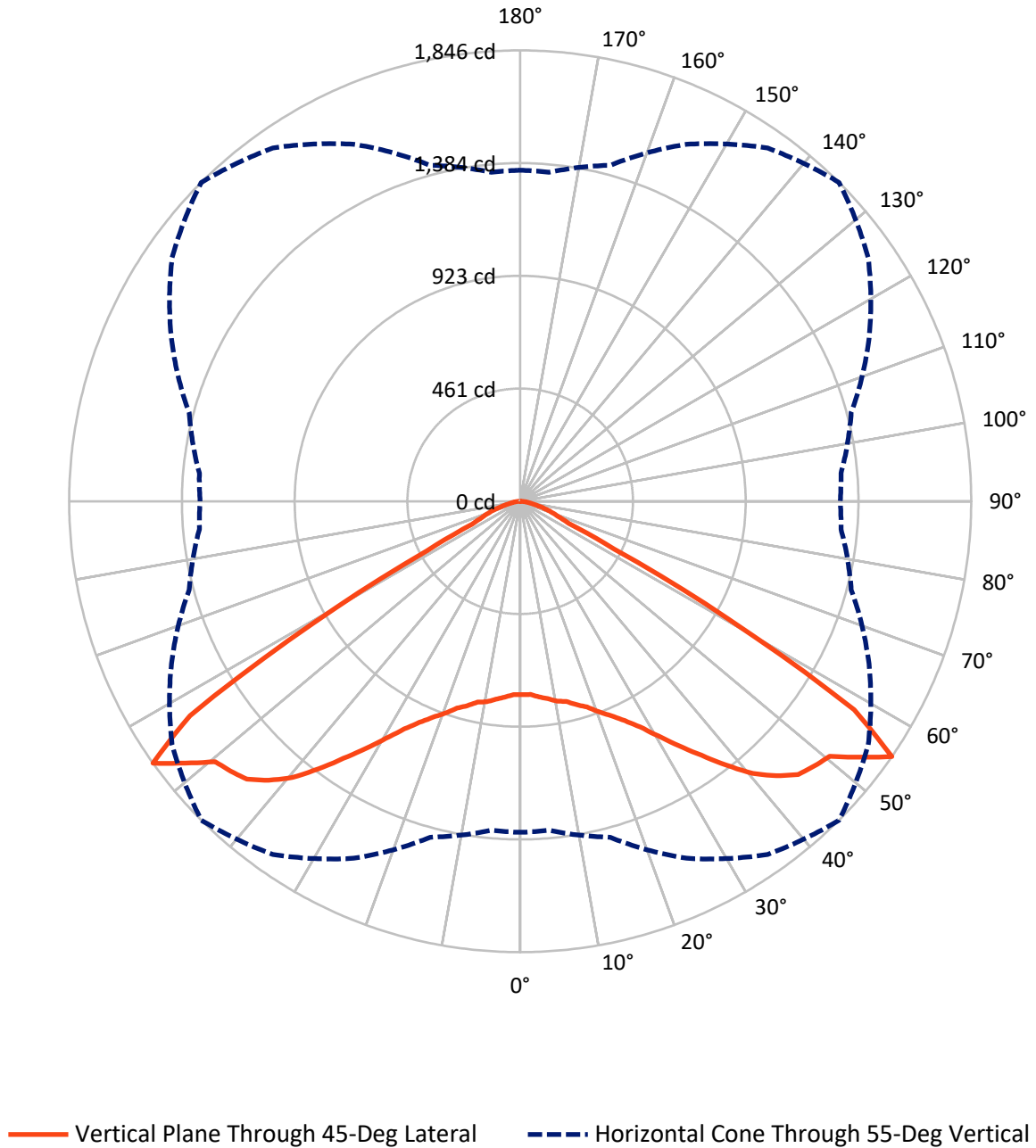
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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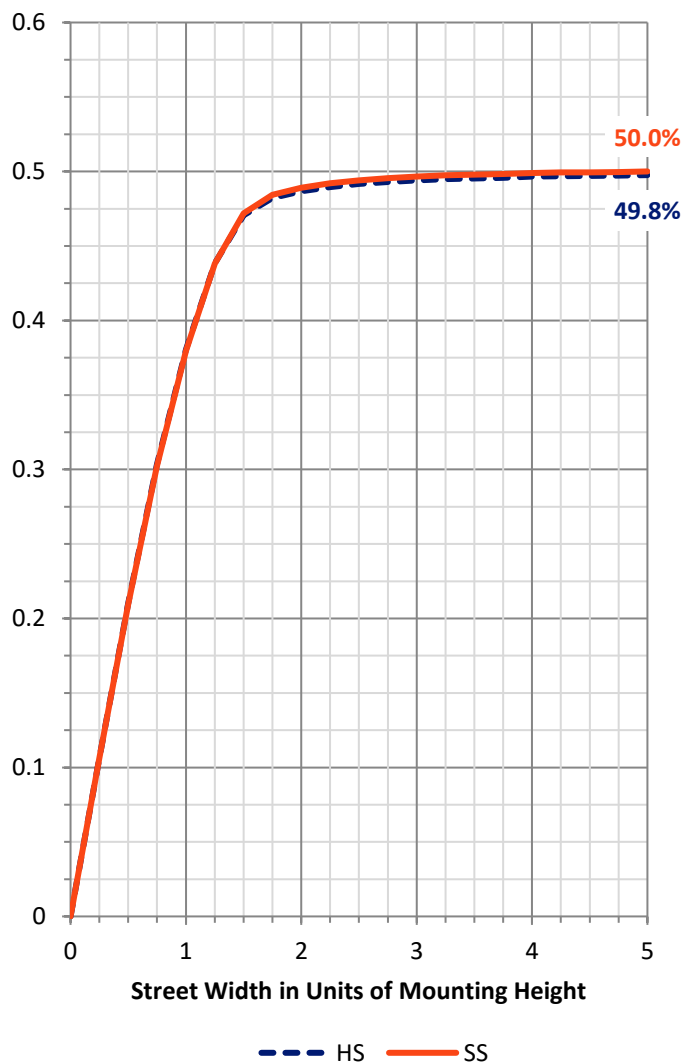
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2168.5	0.0	2168.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2168.5	0.0	2168.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4337.0	0.0	4337.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.4	1.8
10°-20°	245.1	5.7
20°-30°	457.1	10.5
30°-40°	765.3	17.6
40°-50°	1190.8	27.5
50°-60°	1236.4	28.5
60°-70°	262.2	6.0
70°-80°	86.4	2.0
80°-90°	16.4	0.4
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°	4337.0	100.0
0°-180°	4337.0	100.0

**Coefficient of Utilization**

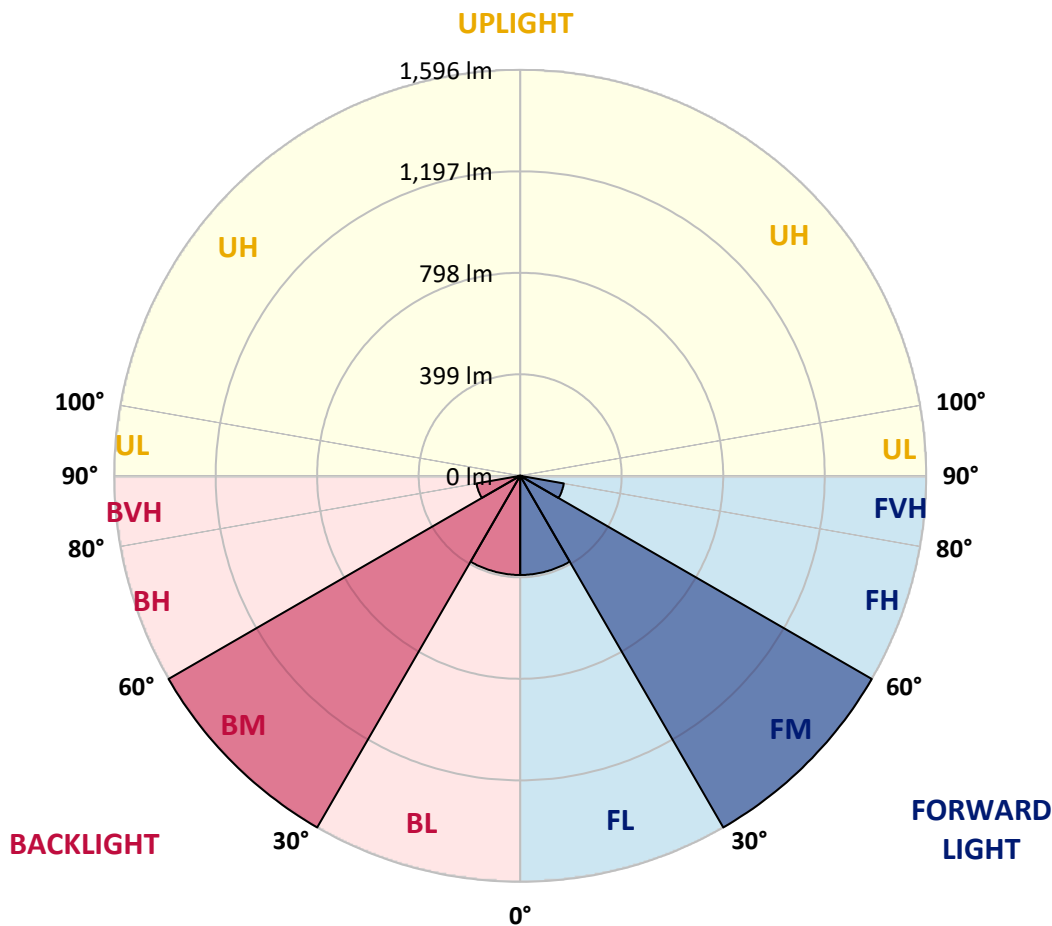


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.8	9.0			
FM (30°-60°)	1596.2	36.8			
FH (60°-80°)	174.3	4.0			G0/660
FVH (80°-90°)	8.2	0.2			G0/10
BL (0°-30°)	389.8	9.0	B1/500		
BM (30°-60°)	1596.2	36.8	B2/2500		
BH (60°-80°)	174.3	4.0	B1/500		G0/660
BVH (80°-90°)	8.2	0.2			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°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9
2.5°	801.3	797.6	791.3	796.1	799.7	791.9	795.0	796.6	795.5	791.3	792.9
5°	812.8	810.7	805.5	809.2	804.4	804.4	801.3	797.1	803.4	802.4	805.0
7.5°	812.8	810.2	820.7	813.9	816.0	816.0	810.7	806.5	809.7	805.0	802.4
10°	829.1	832.7	828.0	829.6	828.6	832.2	824.4	821.7	819.1	817.6	814.4
12.5°	848.5	845.9	847.4	846.4	850.0	840.6	835.9	830.1	834.8	828.0	832.7
15°	864.2	862.6	864.2	868.4	864.7	864.2	855.8	850.0	842.7	844.3	836.9
17.5°	885.7	884.1	884.6	888.3	887.8	885.2	878.9	867.9	865.2	861.0	856.3
20°	917.6	915.0	914.0	915.6	918.2	920.3	907.7	903.5	894.6	887.8	879.9
22.5°	944.9	943.9	948.0	941.2	947.0	953.3	941.2	939.1	917.1	913.5	905.1
25°	982.6	981.1	978.4	988.4	995.2	994.7	983.2	971.6	954.9	950.7	950.7
27.5°	1022.5	1013.6	1027.2	1029.8	1041.9	1045.5	1035.6	1018.8	1003.1	994.2	996.3
30°	1072.2	1063.9	1067.0	1085.9	1101.6	1115.2	1090.1	1065.4	1043.4	1027.7	1025.1
32.5°	1122.0	1113.7	1123.1	1141.4	1172.9	1193.3	1168.7	1125.7	1100.0	1077.0	1081.7
35°	1162.4	1168.7	1183.9	1211.7	1244.1	1277.2	1237.9	1204.8	1168.2	1142.5	1146.1
37.5°	1227.4	1246.8	1258.8	1290.8	1336.9	1371.0	1330.1	1287.1	1247.8	1214.3	1202.7
40°	1312.3	1325.4	1339.0	1376.7	1431.2	1465.3	1426.5	1370.4	1331.7	1297.1	1295.5
42.5°	1405.6	1418.1	1432.3	1478.4	1510.9	1536.6	1500.9	1471.1	1428.1	1400.8	1399.3
45°	1514.0	1505.1	1520.9	1551.3	1578.5	1595.3	1572.2	1557.5	1526.6	1501.5	1498.8
47.5°	1586.4	1578.5	1606.8	1634.1	1638.2	1619.9	1624.6	1638.2	1605.8	1564.4	1577.5
50°	1628.3	1628.3	1647.2	1672.3	1664.4	1640.9	1678.1	1679.1	1646.6	1609.9	1609.9
52.5°	1555.4	1571.7	1625.1	1707.4	1733.6	1740.4	1732.1	1696.4	1611.5	1536.6	1532.9
55°	1355.2	1351.6	1423.9	1612.6	1765.1	1845.8	1738.9	1574.8	1402.4	1318.0	1309.7
57.5°	881.5	885.7	993.6	1186.0	1461.1	1611.5	1431.2	1200.6	993.6	877.3	888.3
60°	396.7	410.9	476.4	620.0	856.3	979.0	858.4	651.4	500.0	433.9	439.7
62.5°	228.0	230.6	233.2	276.7	364.8	431.3	378.9	292.4	257.8	246.3	246.3
65°	192.3	190.8	191.3	195.0	204.4	218.0	212.2	204.4	205.4	204.4	202.8
67.5°	163.5	165.6	164.0	166.7	167.2	169.3	172.9	176.1	176.6	177.7	176.6
70°	134.2	134.7	135.7	137.8	138.4	139.9	145.2	147.8	149.4	149.4	151.5
72.5°	102.7	102.2	103.2	105.3	108.0	108.5	113.2	116.9	119.0	116.3	116.9
75°	67.6	68.1	69.7	71.3	74.9	78.6	80.2	83.9	84.4	85.4	82.8
77.5°	40.4	41.4	43.0	46.1	49.3	52.4	56.1	58.7	59.7	58.7	55.6
80°	26.2	26.2	28.3	30.9	34.6	37.2	39.3	41.4	43.0	41.4	40.4
82.5°	16.2	16.2	18.9	22.0	24.6	26.2	29.3	32.0	33.5	32.5	30.9
85°	8.4	8.9	11.0	13.6	15.7	16.8	16.2	14.7	13.1	12.6	11.5
87.5°	2.6	2.6	3.1	3.1	2.6	2.6	3.1	2.6	3.1	3.1	3.1
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)