

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: P526739

Luminaire Tested: **GALN-SA1D-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526739  
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-SA1D-727-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA 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: 3929 lumens  
Efficiency: N/A  
Efficacy: 60.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

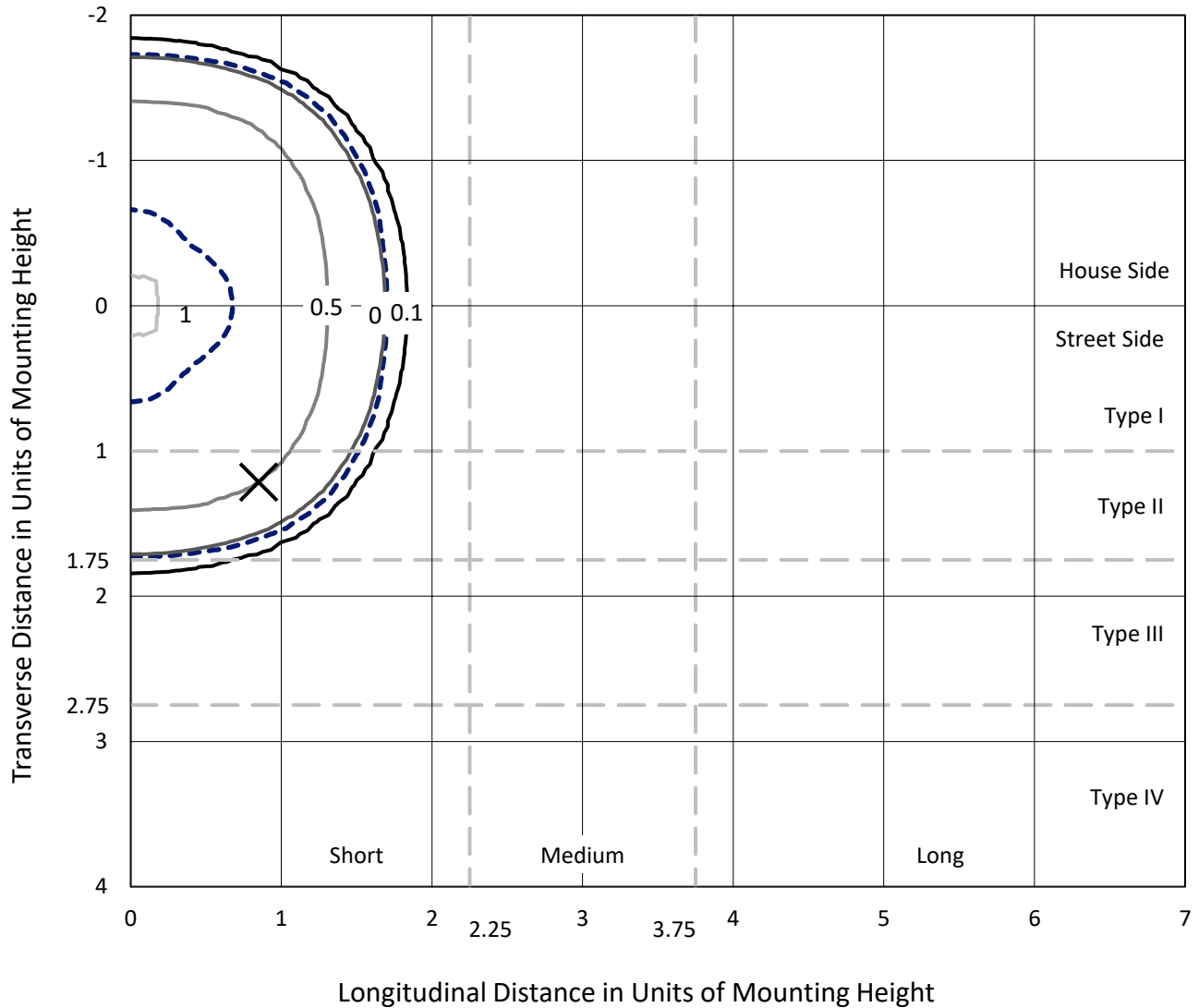
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

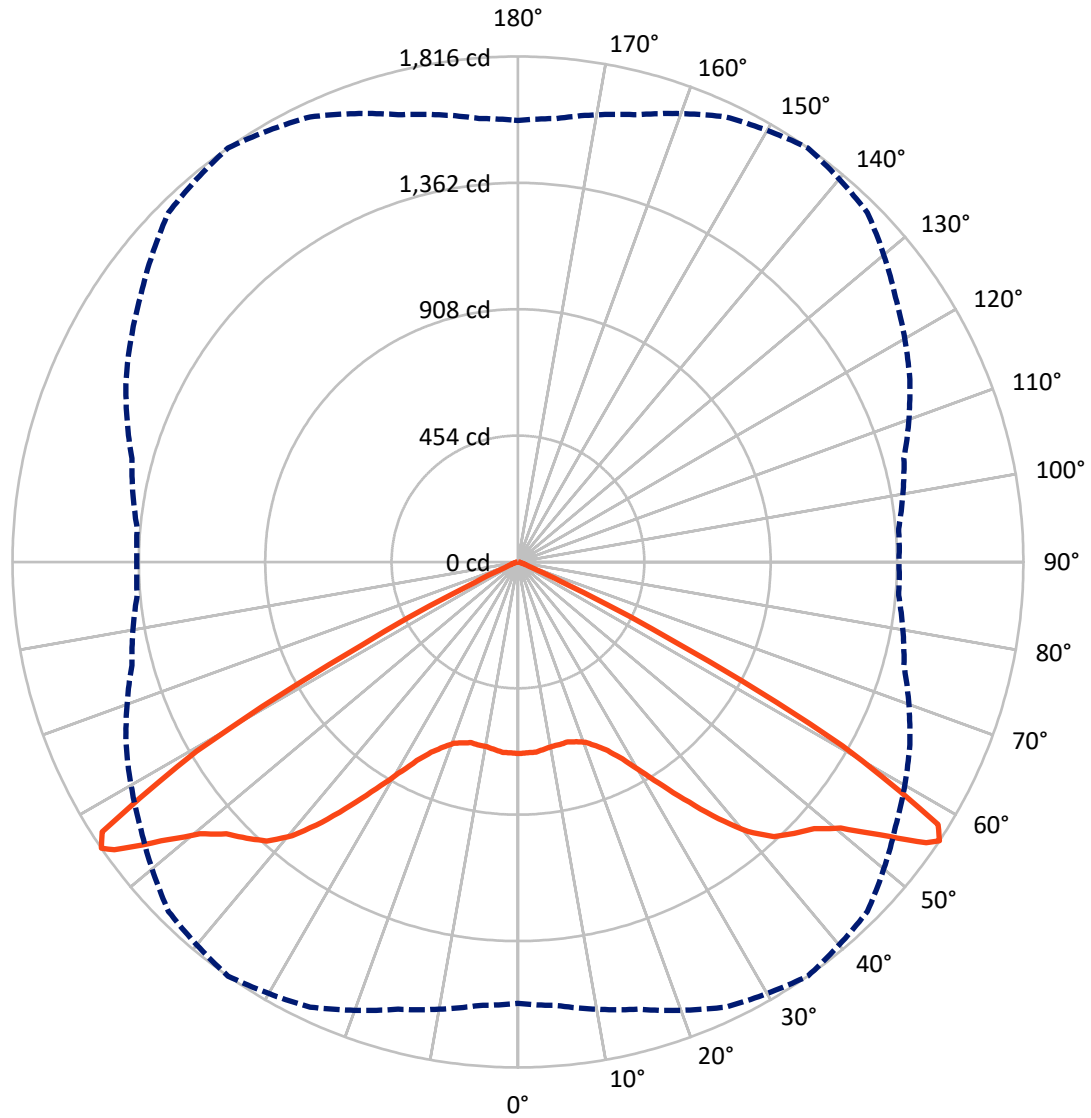
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	1964.5	0.0	1964.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1964.5	0.0	1964.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3929.0	0.0	3929.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.7	1.6
10°-20°	188.9	4.8
20°-30°	342.1	8.7
30°-40°	634.3	16.1
40°-50°	1041.2	26.5
50°-60°	1341.4	34.1
60°-70°	295.6	7.5
70°-80°	17.1	0.4
80°-90°	3.6	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°	3929.0	100.0
0°-180°	3929.0	100.0

**Coefficient of Utilization**

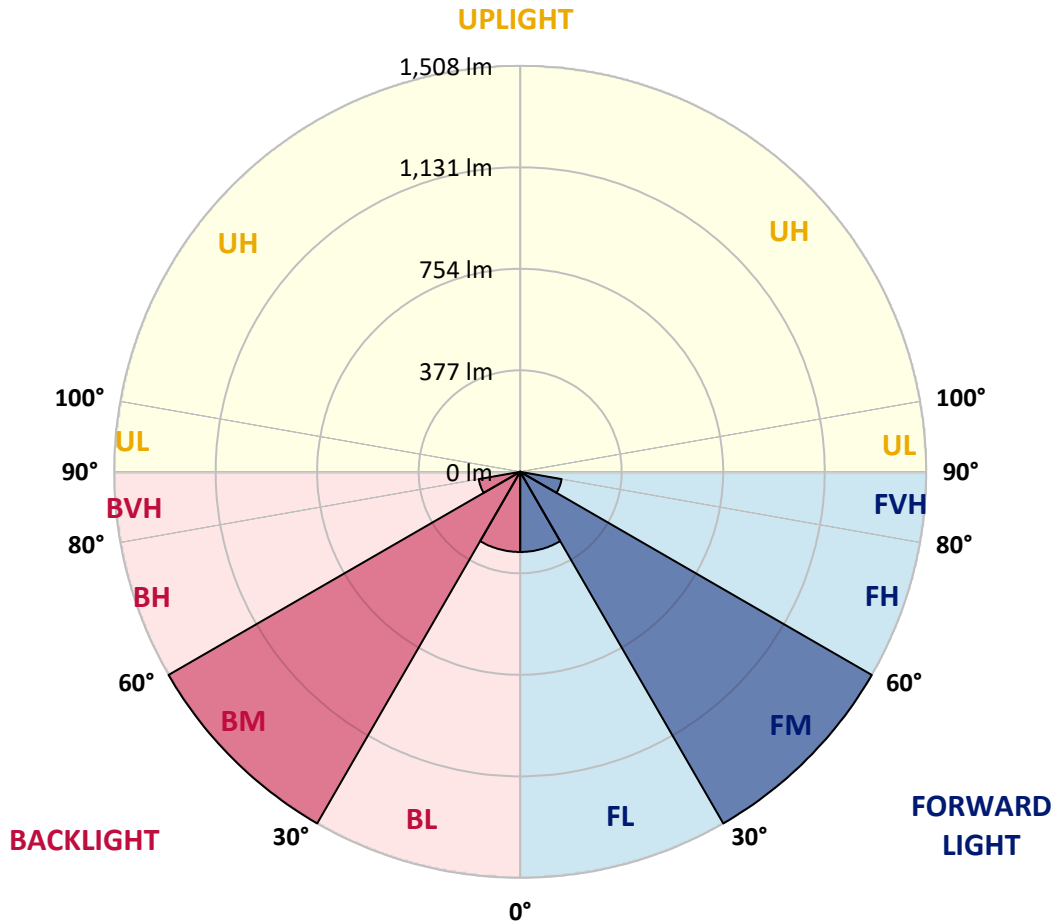


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.8	7.6			
FM (30°-60°)	1508.5	38.4			
FH (60°-80°)	156.4	4.0			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	297.8	7.6	B1/500		
BM (30°-60°)	1508.5	38.4	B2/2500		
BH (60°-80°)	156.4	4.0	B1/500		G0/660
BVH (80°-90°)	1.8	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°	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4
2.5°	689.9	689.9	690.6	691.3	686.3	684.2	684.9	683.5	682.7	684.9	684.9
5°	687.7	687.7	685.6	686.3	686.3	679.9	679.9	681.3	681.3	677.1	675.6
7.5°	682.0	680.6	677.8	681.3	679.2	679.2	674.2	670.6	669.2	672.1	669.2
10°	669.9	670.6	673.5	674.9	673.5	677.8	669.2	664.2	659.3	657.1	657.1
12.5°	664.2	668.5	664.2	667.8	672.8	669.2	664.2	660.7	653.6	650.7	650.7
15°	663.5	666.4	667.8	672.8	670.6	672.1	662.1	657.8	647.2	642.2	640.0
17.5°	662.8	666.4	668.5	677.8	679.2	679.9	672.1	659.3	650.0	645.0	640.0
20°	670.6	672.1	676.3	685.6	691.3	701.3	687.0	673.5	653.6	647.9	645.7
22.5°	680.6	687.7	692.0	702.0	716.9	725.5	707.0	689.9	669.2	662.1	653.6
25°	712.7	711.2	718.3	739.0	751.1	757.5	742.6	717.6	690.6	682.0	683.5
27.5°	752.5	753.9	760.4	783.1	800.9	810.9	793.1	760.4	734.0	719.8	718.3
30°	804.5	803.1	810.2	840.8	872.8	887.8	856.5	818.0	792.4	773.9	778.1
32.5°	859.3	860.0	880.0	907.7	959.7	988.9	938.3	891.3	852.9	840.1	833.7
35°	940.5	944.0	959.7	1002.4	1060.1	1097.8	1042.3	986.0	941.9	918.4	921.2
37.5°	1040.9	1037.3	1063.6	1109.9	1170.4	1198.2	1151.2	1087.1	1042.3	1026.6	1036.6
40°	1147.6	1151.2	1164.7	1206.7	1274.4	1292.9	1223.1	1188.2	1149.1	1141.2	1153.3
42.5°	1254.4	1252.3	1262.3	1300.0	1349.1	1336.3	1295.0	1274.4	1246.6	1230.9	1247.3
45°	1332.8	1329.2	1347.7	1373.3	1391.1	1366.9	1348.4	1341.3	1327.1	1310.0	1324.9
47.5°	1408.9	1406.1	1423.9	1431.0	1432.4	1400.4	1403.9	1416.8	1381.2	1345.6	1362.7
50°	1473.7	1468.7	1490.8	1506.5	1502.9	1451.6	1464.5	1451.6	1396.1	1354.1	1347.7
52.5°	1581.9	1584.1	1607.6	1636.0	1627.5	1584.8	1566.3	1507.9	1436.7	1399.0	1376.9
55°	1650.3	1639.6	1680.2	1770.6	1780.6	1736.4	1654.5	1568.4	1461.6	1415.3	1409.6
56°	1586.2	1599.7	1663.8	1764.9	1816.2	1775.6	1656.7	1553.5	1436.0	1373.3	1369.1
57.5°	1423.2	1416.0	1502.9	1641.0	1780.6	1763.5	1598.3	1446.7	1310.0	1239.5	1230.9
60°	885.7	906.3	982.5	1153.3	1339.9	1348.4	1184.7	1054.4	894.9	832.3	847.2
62.5°	346.7	328.9	376.6	504.1	632.2	660.7	598.7	497.6	408.7	346.7	342.4
65°	80.4	78.3	88.3	121.7	170.2	197.2	187.2	134.6	99.0	94.0	86.9
67.5°	45.6	45.6	43.4	43.4	47.7	50.5	48.4	47.7	49.8	52.0	51.3
70°	32.0	31.3	29.9	30.6	29.2	29.2	31.3	34.9	37.7	37.7	38.4
72.5°	19.2	19.2	19.2	21.4	21.4	21.4	23.5	26.3	27.1	26.3	25.6
75°	8.5	8.5	10.0	12.1	13.5	14.2	16.4	17.8	19.2	17.8	16.4
77.5°	2.1	2.1	3.6	5.0	6.4	7.8	10.7	12.8	13.5	12.8	10.7
80°	0.7	0.7	1.4	3.6	6.4	7.8	10.7	11.4	12.1	10.7	8.5
82.5°	0.7	0.7	1.4	3.6	5.0	6.4	8.5	10.0	10.7	9.3	8.5
85°	0.0	0.7	1.4	2.8	4.3	5.7	5.7	4.3	3.6	2.1	2.8
87.5°	0.0	0.0	0.7	0.7	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)