

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: P528147

Luminaire Tested: **GALN-SA3B-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3B-727-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7410 lumens  
Efficiency: N/A  
Efficacy: 61.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

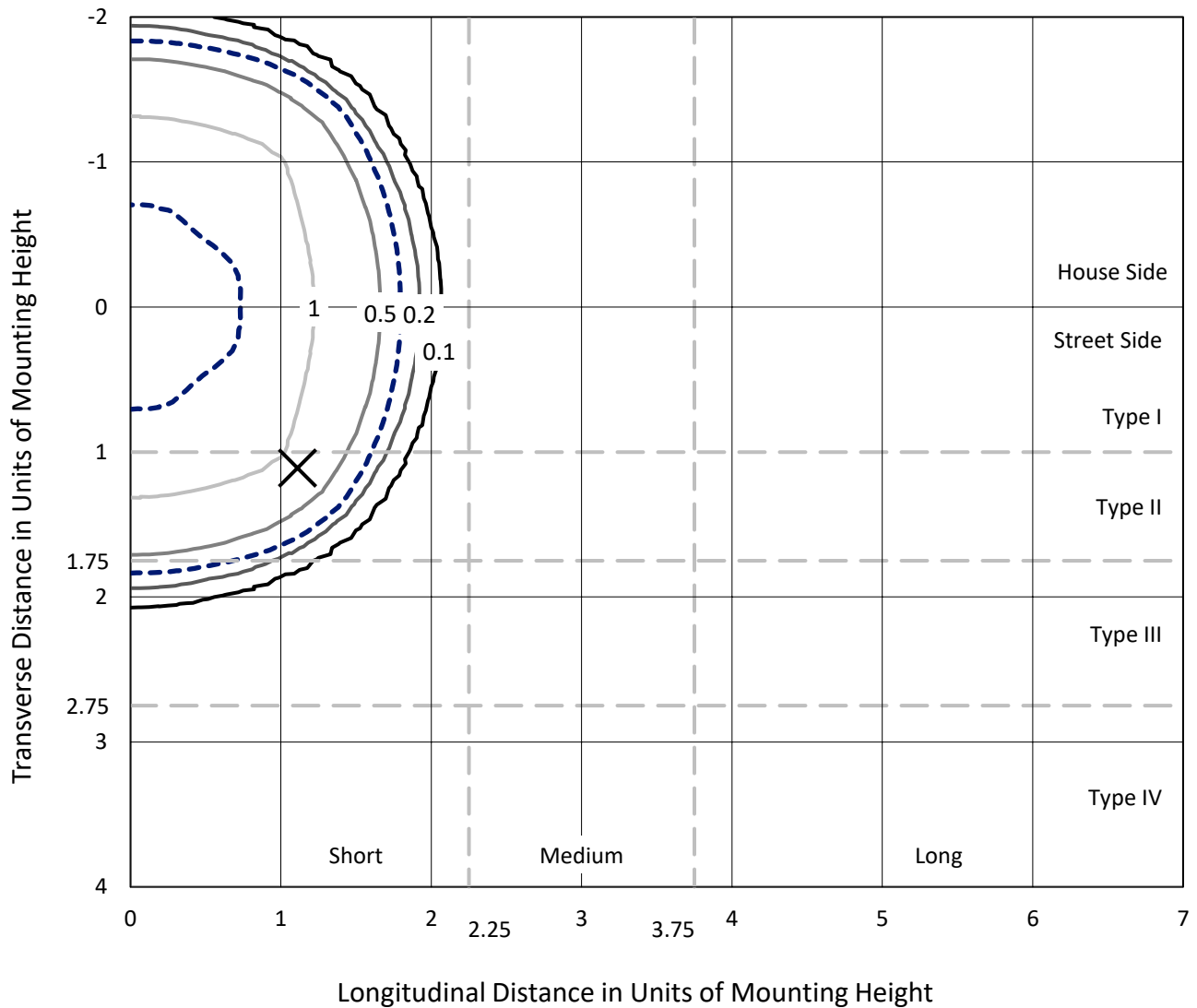
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

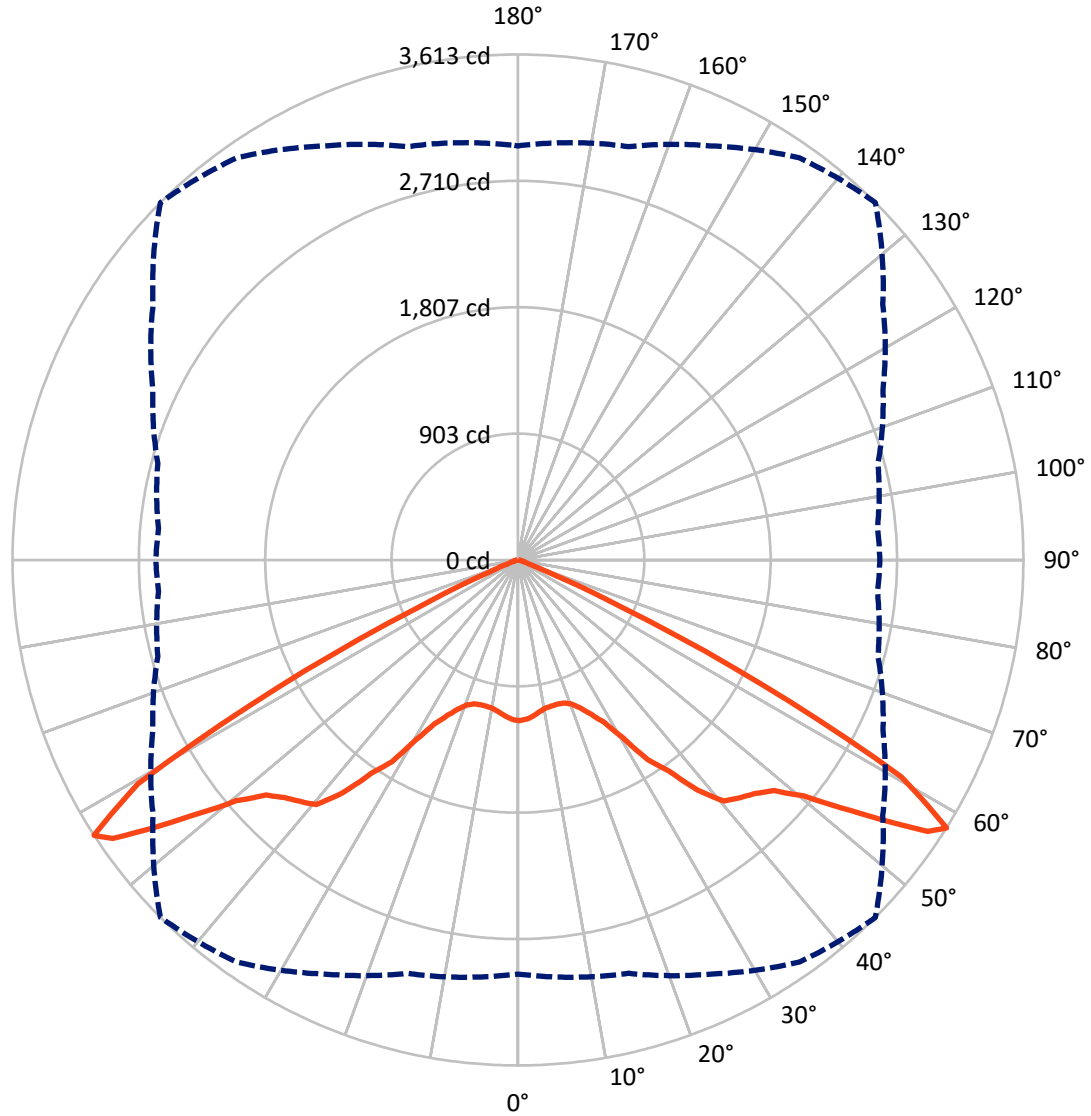
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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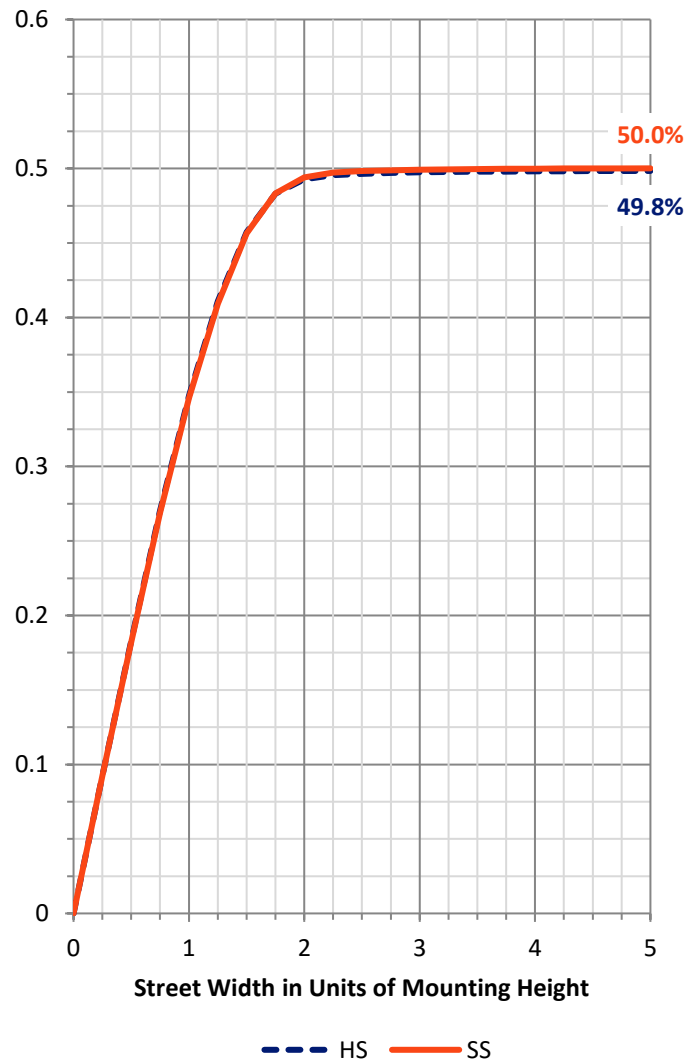
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3705.0	0.0	3705.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3705.0	0.0	3705.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7410.0	0.0	7410.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.6	1.4
10°-20°	305.3	4.1
20°-30°	563.5	7.6
30°-40°	1108.3	15.0
40°-50°	1805.0	24.4
50°-60°	2574.2	34.7
60°-70°	891.3	12.0
70°-80°	47.8	0.6
80°-90°	9.0	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°	7410.0	100.0
0°-180°	7410.0	100.0

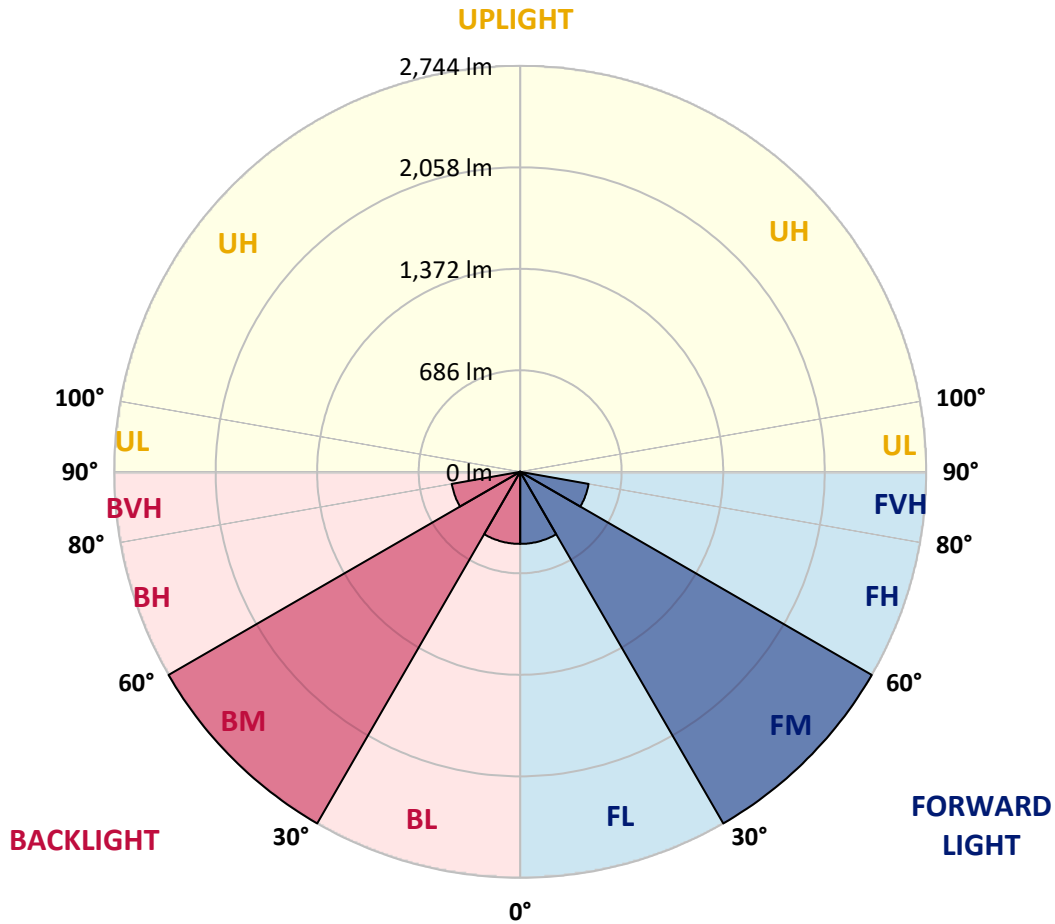


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.2	6.6			
FM (30°-60°)	2743.8	37.0			
FH (60°-80°)	469.5	6.3			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	487.2	6.6	B1/500		
BM (30°-60°)	2743.8	37.0	B3/5000		
BH (60°-80°)	469.5	6.3	B1/500		G0/660
BVH (80°-90°)	4.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4
2.5°	1146.3	1152.5	1144.7	1141.6	1140.1	1140.1	1135.5	1135.5	1133.9	1135.5	1129.3
5°	1127.7	1133.9	1133.9	1132.4	1123.1	1121.6	1116.9	1113.8	1115.4	1109.2	1113.8
7.5°	1109.2	1113.8	1107.7	1106.1	1103.0	1096.8	1095.3	1081.4	1082.9	1082.9	1086.0
10°	1106.1	1104.6	1095.3	1087.6	1078.3	1076.8	1072.1	1069.0	1069.0	1067.5	1072.1
12.5°	1106.1	1098.4	1096.8	1079.9	1064.4	1070.6	1058.2	1050.5	1061.3	1064.4	1070.6
15°	1104.6	1112.3	1086.0	1078.3	1067.5	1069.0	1058.2	1050.5	1056.7	1059.8	1064.4
17.5°	1113.8	1109.2	1101.5	1086.0	1081.4	1075.2	1061.3	1055.1	1055.1	1062.9	1064.4
20°	1138.6	1126.2	1110.7	1103.0	1107.7	1099.9	1082.9	1059.8	1065.9	1072.1	1076.8
22.5°	1161.7	1152.5	1141.6	1137.0	1163.3	1150.9	1121.6	1095.3	1086.0	1096.8	1104.6
25°	1206.5	1206.5	1186.4	1192.6	1222.0	1223.5	1189.5	1143.2	1137.0	1141.6	1144.7
27.5°	1297.7	1302.3	1285.3	1291.5	1303.9	1314.7	1285.3	1246.7	1232.8	1231.2	1235.9
30°	1396.5	1405.8	1404.3	1430.5	1466.1	1472.2	1429.0	1365.6	1323.9	1316.2	1322.4
32.5°	1526.3	1530.9	1527.9	1558.8	1654.5	1699.3	1586.6	1497.0	1441.3	1455.2	1441.3
35°	1770.4	1765.8	1731.8	1738.0	1816.7	1849.2	1741.0	1683.9	1657.6	1685.4	1679.3
37.5°	1980.5	1963.5	1935.7	1975.9	2057.7	2087.1	1974.3	1873.9	1826.0	1872.4	1892.4
40°	2158.2	2114.9	2076.3	2116.4	2226.1	2266.3	2101.0	2019.1	2000.6	2034.6	2077.8
42.5°	2308.0	2280.2	2229.2	2232.3	2304.9	2323.5	2190.6	2142.7	2124.2	2178.2	2199.9
45°	2414.6	2388.3	2340.4	2337.4	2393.0	2380.6	2261.7	2229.2	2240.0	2275.6	2286.4
47.5°	2468.7	2482.6	2454.8	2462.5	2491.8	2462.5	2368.3	2368.3	2343.5	2365.2	2354.4
50°	2624.7	2581.4	2617.0	2617.0	2647.9	2651.0	2556.7	2522.7	2456.3	2419.2	2419.2
52.5°	2807.0	2810.1	2824.0	2875.0	2927.5	2972.3	2837.9	2692.7	2581.4	2533.6	2527.4
55°	2956.8	2987.7	3043.4	3139.1	3290.5	3352.3	3120.6	2861.1	2725.1	2651.0	2635.5
56°	3038.7	3009.4	3105.1	3236.5	3434.2	3514.5	3166.9	2895.0	2745.2	2661.8	2660.2
57.5°	2959.9	2992.4	3058.8	3265.8	3508.4	3613.4	3183.9	2879.6	2664.9	2579.9	2587.6
60°	2337.4	2368.3	2457.9	2689.6	3069.6	3151.5	2694.2	2374.4	2182.9	2060.8	2062.4
62.5°	1322.4	1345.6	1415.1	1629.8	1866.2	1945.0	1679.3	1466.1	1333.2	1265.2	1243.6
65°	486.6	477.4	488.2	597.9	743.1	809.5	698.3	590.1	520.6	495.9	486.6
67.5°	182.3	168.4	157.6	168.4	211.6	224.0	205.5	171.5	160.7	165.3	168.4
70°	112.8	106.6	85.0	80.3	78.8	77.2	81.9	86.5	98.9	115.9	119.0
72.5°	78.8	74.2	60.2	57.2	54.1	52.5	60.2	66.4	77.2	89.6	91.1
75°	30.9	32.4	30.9	34.0	35.5	37.1	43.3	47.9	52.5	52.5	51.0
77.5°	6.2	6.2	9.3	12.4	15.4	20.1	29.4	34.0	35.5	34.0	29.4
80°	0.0	0.0	3.1	6.2	12.4	17.0	26.3	29.4	32.4	29.4	23.2
82.5°	0.0	0.0	3.1	7.7	12.4	15.4	24.7	30.9	35.5	32.4	24.7
85°	0.0	0.0	3.1	6.2	9.3	10.8	10.8	7.7	7.7	4.6	3.1
87.5°	0.0	0.0	0.0	0.0	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)