

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: P528307

Luminaire Tested: **GALN-SA3B-827-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528307  
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-SA3B-827-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8070 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

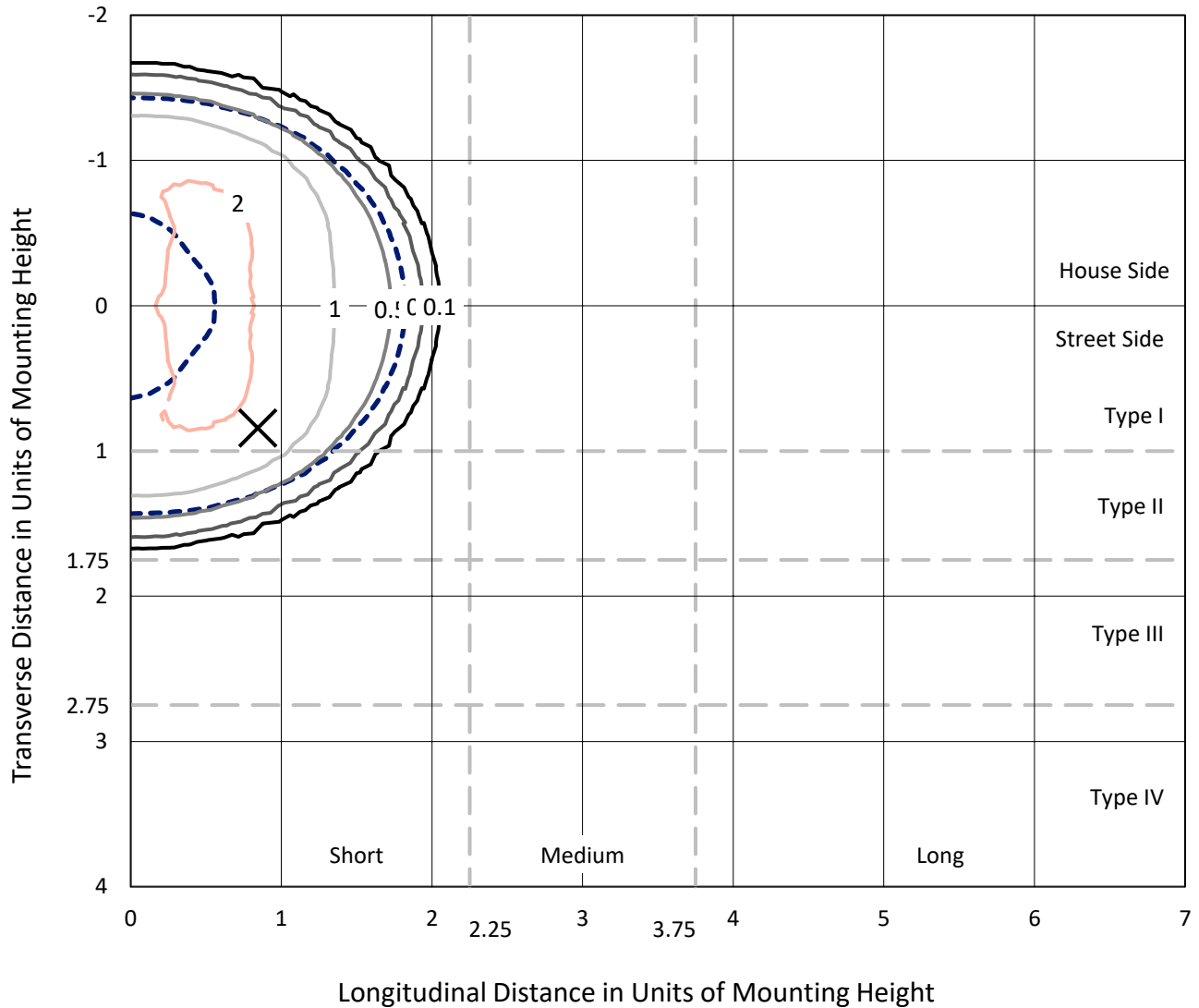
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

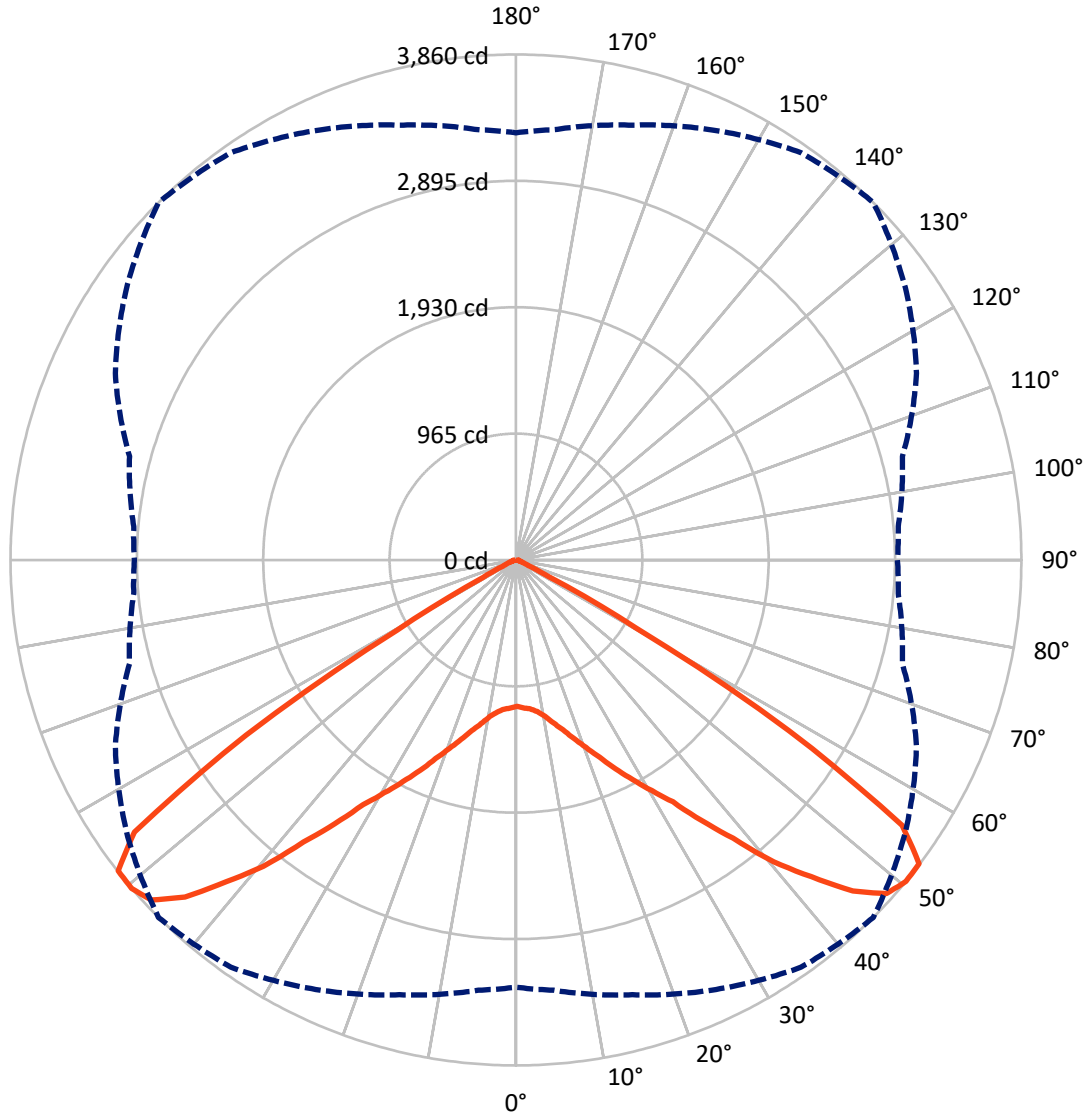
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	4035.0	0.0	4035.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4035.0	0.0	4035.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8070.0	0.0	8070.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	1.4
10°-20°	383.6	4.8
20°-30°	783.5	9.7
30°-40°	1494.1	18.5
40°-50°	2517.9	31.2
50°-60°	2401.2	29.8
60°-70°	335.2	4.2
70°-80°	32.1	0.4
80°-90°	11.1	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°	8070.0	100.0
0°-180°	8070.0	100.0

**Coefficient of Utilization**



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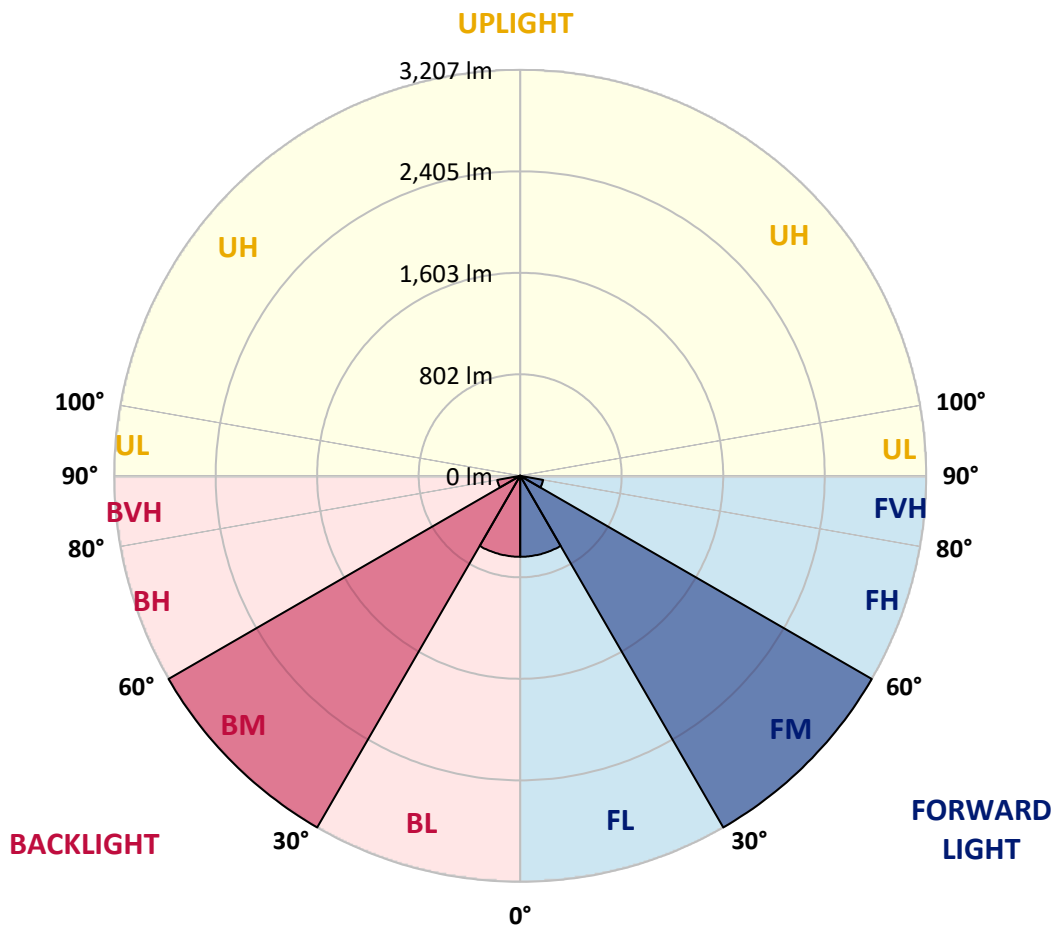
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	639.2	7.9			
FM (30°-60°)	3206.6	39.7			
FH (60°-80°)	183.6	2.3			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	639.2	7.9	B2/1000		
BM (30°-60°)	3206.6	39.7	B3/5000		
BH (60°-80°)	183.6	2.3	B1/500		G0/660
BVH (80°-90°)	5.5	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°	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8
2.5°	1114.7	1114.7	1113.4	1124.2	1118.8	1131.0	1129.7	1133.8	1137.8	1136.5	1147.3
5°	1105.2	1103.9	1103.9	1116.1	1128.3	1141.9	1154.1	1162.3	1175.8	1175.8	1189.4
7.5°	1114.7	1108.0	1117.5	1122.9	1146.0	1169.1	1189.4	1205.7	1236.9	1247.8	1243.7
10°	1117.5	1125.6	1132.4	1148.7	1177.2	1212.5	1230.2	1270.9	1306.2	1330.6	1336.1
12.5°	1135.1	1147.3	1166.3	1205.7	1231.5	1277.7	1302.1	1341.5	1390.4	1417.5	1436.5
15°	1169.1	1173.1	1197.6	1247.8	1303.5	1345.6	1383.6	1412.1	1459.6	1490.9	1492.2
17.5°	1212.5	1230.2	1264.1	1311.6	1370.0	1432.5	1462.3	1493.6	1511.2	1553.3	1562.8
20°	1299.4	1302.1	1334.7	1397.2	1470.5	1527.5	1549.2	1565.5	1558.7	1602.2	1610.3
22.5°	1380.9	1383.6	1424.3	1508.5	1587.3	1636.1	1645.6	1636.1	1615.8	1647.0	1649.7
25°	1463.7	1488.1	1518.0	1602.2	1699.9	1765.1	1766.5	1740.7	1698.6	1704.0	1717.6
27.5°	1592.7	1610.3	1641.6	1719.0	1826.2	1899.5	1887.3	1856.1	1801.8	1805.9	1801.8
30°	1743.4	1759.7	1785.5	1884.6	1963.4	2043.5	2061.1	2031.2	1949.8	1932.1	1952.5
32.5°	1925.3	1948.4	1995.9	2086.9	2153.5	2202.3	2214.6	2203.7	2127.7	2120.9	2134.4
35°	2146.7	2177.9	2221.3	2301.4	2355.8	2444.0	2444.0	2407.4	2338.1	2346.3	2344.9
37.5°	2380.2	2426.4	2494.3	2575.7	2649.0	2696.6	2681.6	2650.4	2581.2	2563.5	2581.2
40°	2673.5	2696.6	2782.1	2888.0	2977.6	3031.9	2968.1	2900.2	2734.6	2760.4	2807.9
42.5°	2941.0	2977.6	3042.8	3159.6	3261.4	3306.2	3230.2	3095.8	2896.2	2875.8	2911.1
45°	3169.1	3208.5	3294.0	3461.0	3568.3	3607.6	3439.3	3222.0	2993.9	2942.3	2957.3
47.5°	3321.1	3341.5	3461.0	3619.9	3717.6	3807.2	3565.5	3308.9	3040.1	2942.3	2936.9
50°	3262.8	3298.1	3437.9	3618.5	3796.4	3860.2	3629.4	3375.5	3055.0	2930.1	2913.8
52.5°	2897.5	2958.6	3114.8	3357.8	3626.6	3854.8	3717.6	3353.7	3049.6	2942.3	2966.8
55°	2016.3	2017.7	2207.8	2566.2	3041.4	3579.1	3588.6	3378.2	3084.9	3018.4	3019.7
57.5°	810.6	851.3	996.6	1356.4	1795.0	2457.6	2922.0	3133.8	3089.0	3072.7	3114.8
60°	205.0	206.4	251.2	382.9	631.4	1053.6	1530.2	2070.6	2384.3	2491.5	2506.5
62.5°	104.5	105.9	116.8	135.8	172.4	282.4	502.4	797.0	1133.8	1304.8	1349.6
65°	85.5	85.5	92.3	101.8	103.2	108.6	130.3	186.0	270.2	306.9	310.9
67.5°	65.2	65.2	70.6	76.0	78.8	77.4	74.7	77.4	93.7	89.6	86.9
70°	40.7	42.1	44.8	50.2	53.0	54.3	55.7	58.4	66.5	69.2	66.5
72.5°	24.4	24.4	25.8	29.9	33.9	36.7	40.7	43.4	47.5	54.3	53.0
75°	10.9	10.9	13.6	17.7	21.7	25.8	29.9	33.9	36.7	40.7	42.1
77.5°	2.7	4.1	6.8	12.2	16.3	21.7	27.2	31.2	33.9	33.9	32.6
80°	1.4	1.4	5.4	9.5	17.7	23.1	29.9	32.6	36.7	33.9	29.9
82.5°	1.4	1.4	5.4	9.5	16.3	23.1	31.2	35.3	38.0	33.9	28.5
85°	0.0	1.4	4.1	8.1	13.6	16.3	13.6	9.5	5.4	5.4	4.1
87.5°	0.0	0.0	1.4	1.4	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)