

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: P940150

Luminaire Tested: **GALN-SB3A-830-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940150  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3A-830-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

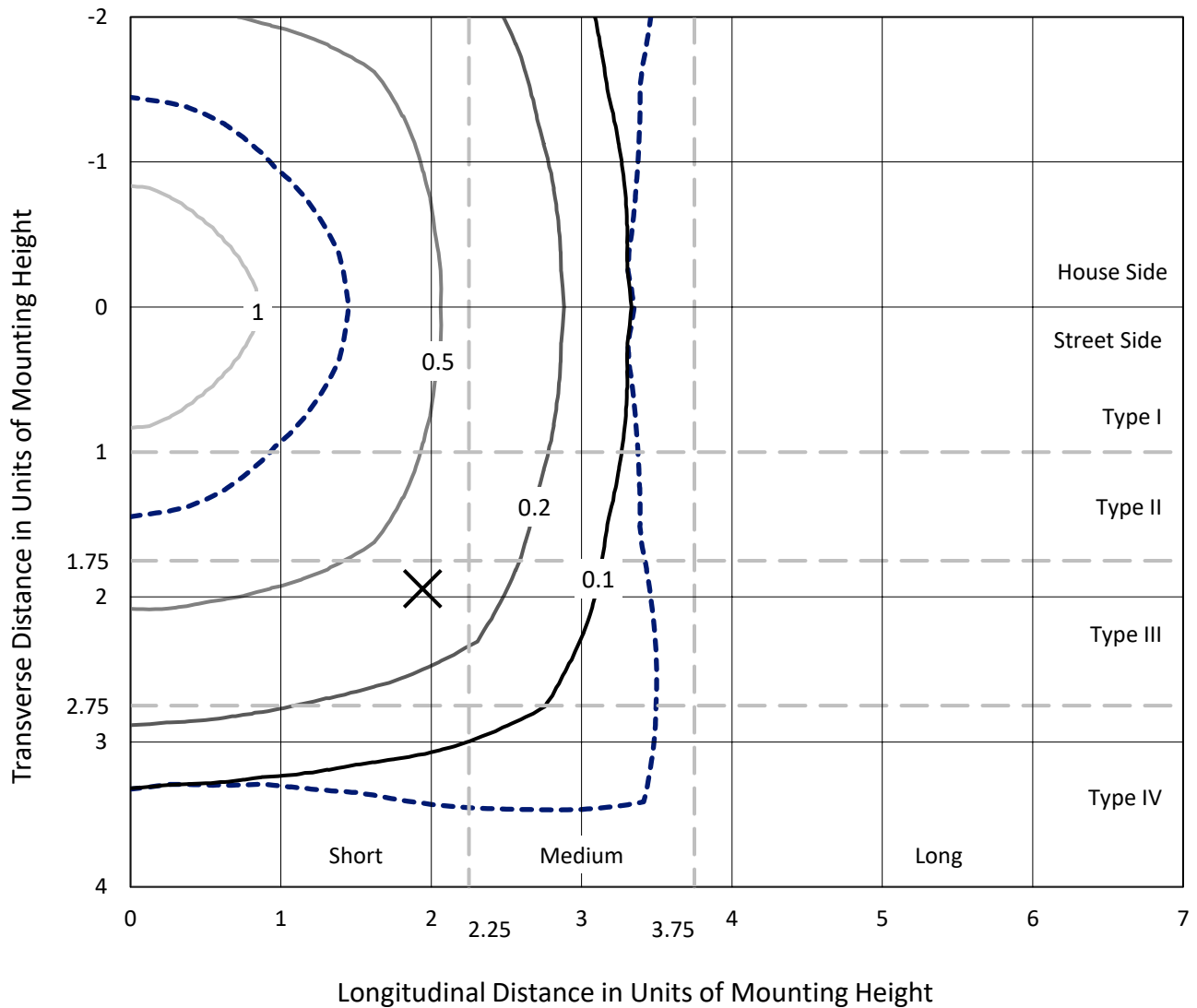
Lumens per Lamp: N/A  
Luminaire Lumens: 12233 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

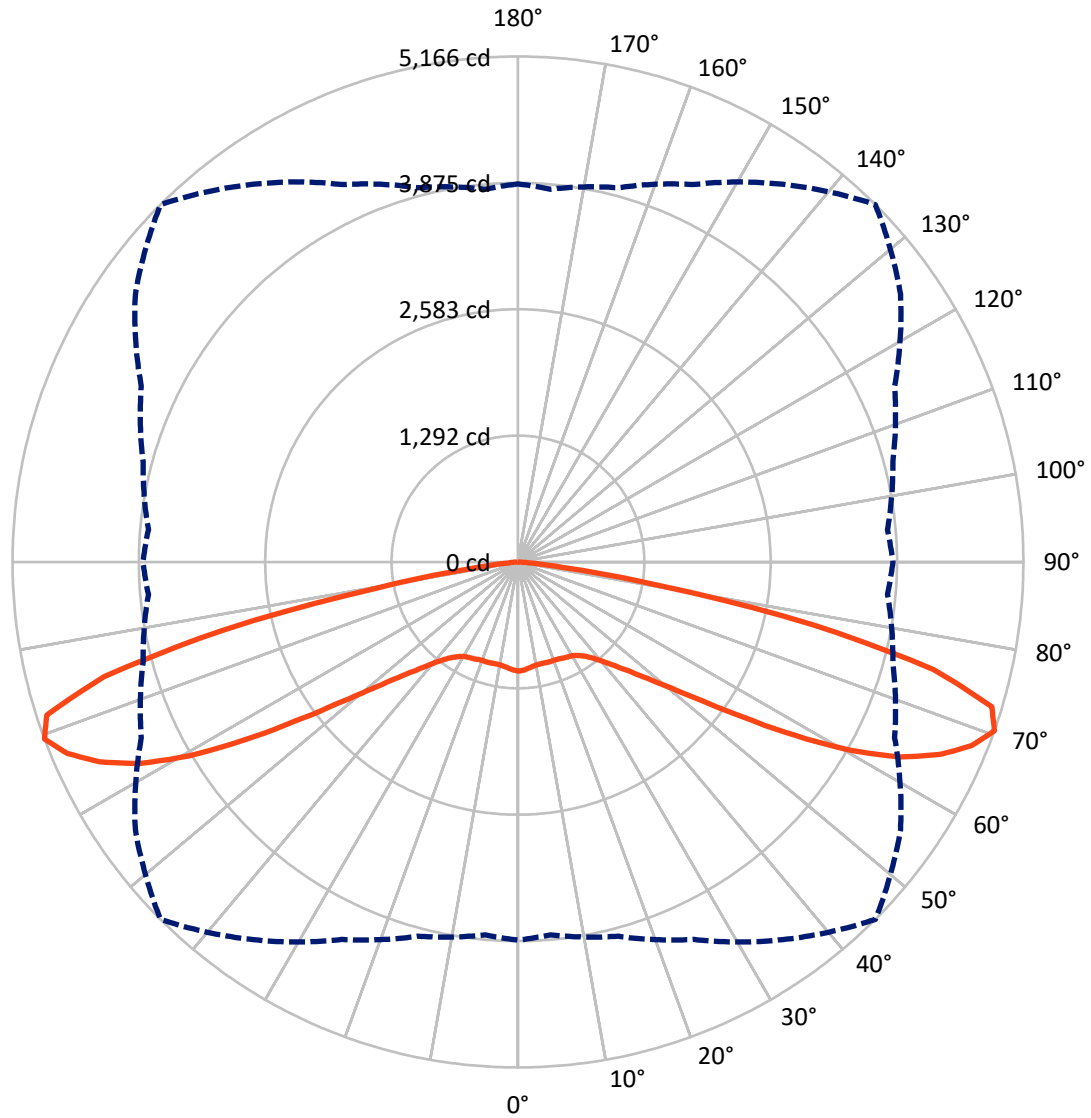
✕ Max cd  
 - - - 1/2 Max cd



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 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6116.5	0.0	6116.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6116.5	0.0	6116.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12233.0	0.0	12233.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.8	0.8
10°-20°	304.8	2.5
20°-30°	507.2	4.1
30°-40°	767.1	6.3
40°-50°	1274.7	10.4
50°-60°	2405.3	19.7
60°-70°	4061.5	33.2
70°-80°	2668.8	21.8
80°-90°	139.8	1.1
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°	12233.0	100.0
0°-180°	12233.0	100.0



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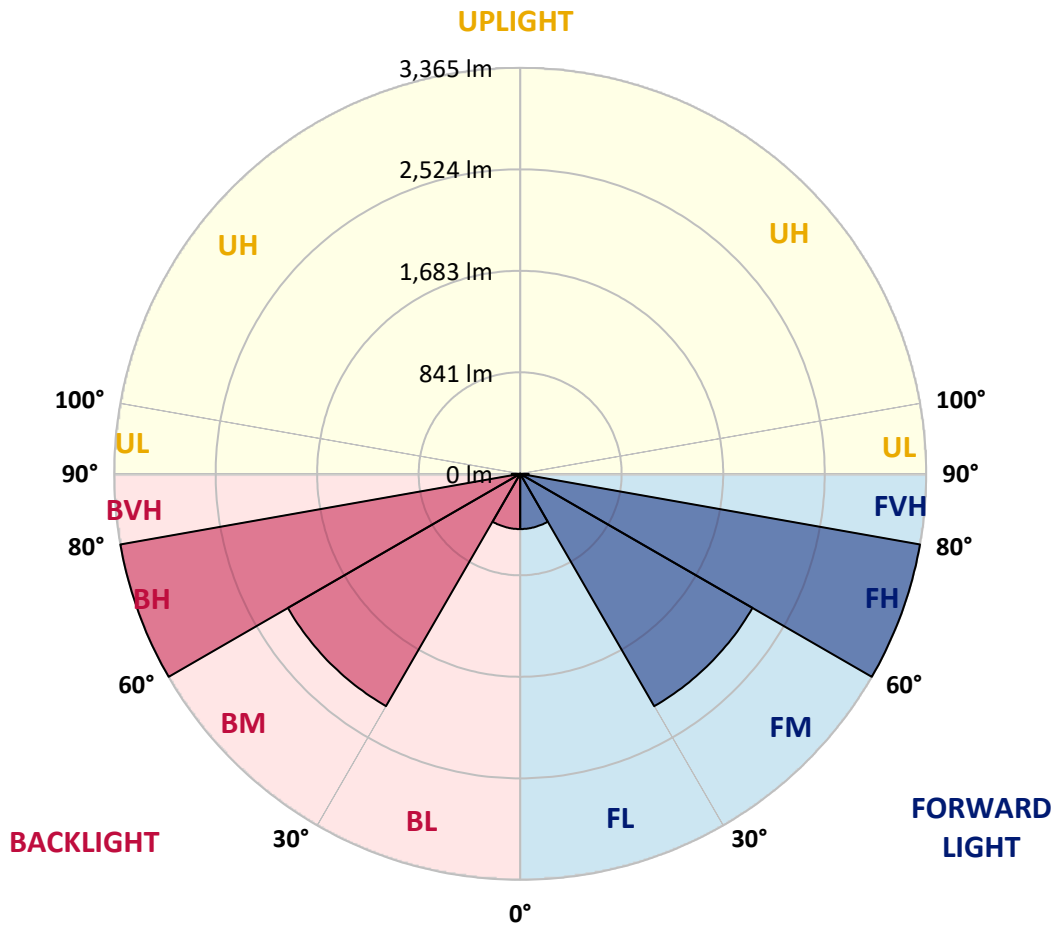
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	457.9	3.7			
FM (30°-60°)	2223.5	18.2			
FH (60°-80°)	3365.1	27.5			G2/5000
FVH (80°-90°)	69.9	0.6			G1/100
BL (0°-30°)	457.9	3.7	B1/500		
BM (30°-60°)	2223.5	18.2	B2/2500		
BH (60°-80°)	3365.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	69.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9
2.5°	1108.9	1112.1	1110.8	1108.3	1108.3	1106.4	1108.3	1109.5	1111.4	1112.7
5°	1094.3	1096.8	1096.2	1094.3	1094.9	1093.0	1094.3	1096.2	1097.5	1098.1
7.5°	1081.6	1084.1	1082.8	1079.7	1079.7	1077.7	1078.4	1080.3	1082.2	1082.8
10°	1078.4	1080.9	1077.1	1072.0	1070.1	1067.6	1068.2	1070.1	1073.9	1075.8
12.5°	1079.7	1081.6	1077.7	1070.1	1068.2	1065.7	1065.7	1067.6	1072.7	1075.2
15°	1083.5	1085.4	1079.7	1071.4	1069.5	1067.6	1066.9	1069.5	1075.2	1079.7
17.5°	1090.5	1092.4	1083.5	1072.0	1069.5	1070.1	1069.5	1071.4	1080.3	1088.6
20°	1096.8	1098.1	1086.0	1072.0	1069.5	1070.1	1069.5	1073.3	1084.7	1096.2
22.5°	1098.7	1100.0	1088.6	1076.5	1074.6	1075.2	1074.6	1078.4	1089.2	1100.6
25°	1099.4	1101.3	1092.4	1082.8	1086.0	1087.3	1086.0	1086.6	1094.9	1105.1
27.5°	1108.9	1111.4	1103.2	1094.9	1096.8	1096.2	1098.1	1100.0	1106.4	1116.5
30°	1128.6	1130.5	1123.5	1115.3	1114.0	1109.5	1115.3	1121.6	1128.6	1137.5
32.5°	1161.0	1164.9	1156.0	1147.1	1141.3	1138.8	1143.2	1154.0	1163.6	1173.1
35°	1215.1	1217.6	1209.4	1192.8	1182.7	1182.7	1186.5	1200.5	1215.7	1227.8
37.5°	1291.4	1294.6	1279.9	1260.2	1245.0	1245.0	1250.1	1264.7	1287.6	1304.7
40°	1384.2	1388.7	1370.2	1349.9	1335.3	1332.7	1339.1	1355.6	1377.2	1398.8
42.5°	1496.1	1501.2	1477.1	1459.2	1447.8	1447.8	1451.0	1466.2	1486.0	1512.7
45°	1639.2	1648.1	1615.0	1597.2	1586.4	1589.0	1590.9	1604.2	1622.0	1652.5
47.5°	1809.6	1818.5	1783.5	1765.1	1763.2	1775.3	1767.6	1777.2	1786.7	1821.7
50°	2002.9	2018.2	1994.0	1992.7	1996.5	2018.8	2001.0	2006.1	1995.3	2017.5
52.5°	2239.4	2261.7	2257.2	2264.9	2307.5	2353.2	2312.5	2294.7	2254.0	2261.0
55°	2526.2	2559.9	2566.2	2612.0	2708.7	2802.1	2715.7	2643.8	2557.3	2541.4
57.5°	2852.4	2879.1	2909.6	3003.1	3183.6	3349.6	3183.6	3024.7	2888.6	2856.2
60°	3203.4	3236.4	3265.7	3403.6	3672.0	3905.3	3666.9	3414.5	3234.5	3190.6
62.5°	3580.4	3623.0	3643.4	3796.6	4109.4	4387.9	4113.9	3808.0	3608.4	3561.3
65°	3942.2	3977.2	4000.1	4163.5	4462.3	4741.4	4482.7	4181.3	3975.9	3914.2
67.5°	4110.7	4129.8	4185.7	4370.8	4686.1	5004.7	4739.5	4390.5	4160.9	4052.8
70°	3864.0	3825.2	3960.0	4256.3	4712.8	5166.2	4773.9	4247.4	3966.4	3790.9
72.5°	2985.9	2919.1	3153.1	3659.9	4407.6	5063.2	4438.2	3688.5	3298.7	2942.7
75°	1624.6	1548.9	1871.9	2512.8	3514.9	4388.6	3595.7	2584.7	2084.3	1612.5
77.5°	458.4	429.8	690.5	1215.7	2114.2	3081.3	2195.5	1242.4	819.0	485.8
80°	140.5	136.1	184.4	366.2	897.8	1475.8	862.8	370.7	234.6	148.2
82.5°	83.3	76.3	91.6	133.5	228.9	463.5	222.5	139.2	111.9	75.0
85°	47.7	44.5	54.0	64.9	76.9	98.6	64.2	66.1	59.8	40.1
87.5°	19.7	17.8	21.0	20.3	17.8	22.9	17.2	20.3	24.2	15.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1115.9
1112.1
1098.1
1082.8
1075.8
1075.8
1080.3
1088.6
1096.8
1100.6
1104.5
1114.0
1135.6
1169.3
1223.4
1298.4
1391.8
1510.8
1651.3
1811.5
2004.2
2237.5
2516.6
2833.3
3152.5
3523.2
3883.7
4054.1
3832.8
3031.0
1717.4
539.8
156.4
81.4
42.0
14.6
0.0

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