

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: P955982

Luminaire Tested: **GALN-SB8D-740-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955982  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8D-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

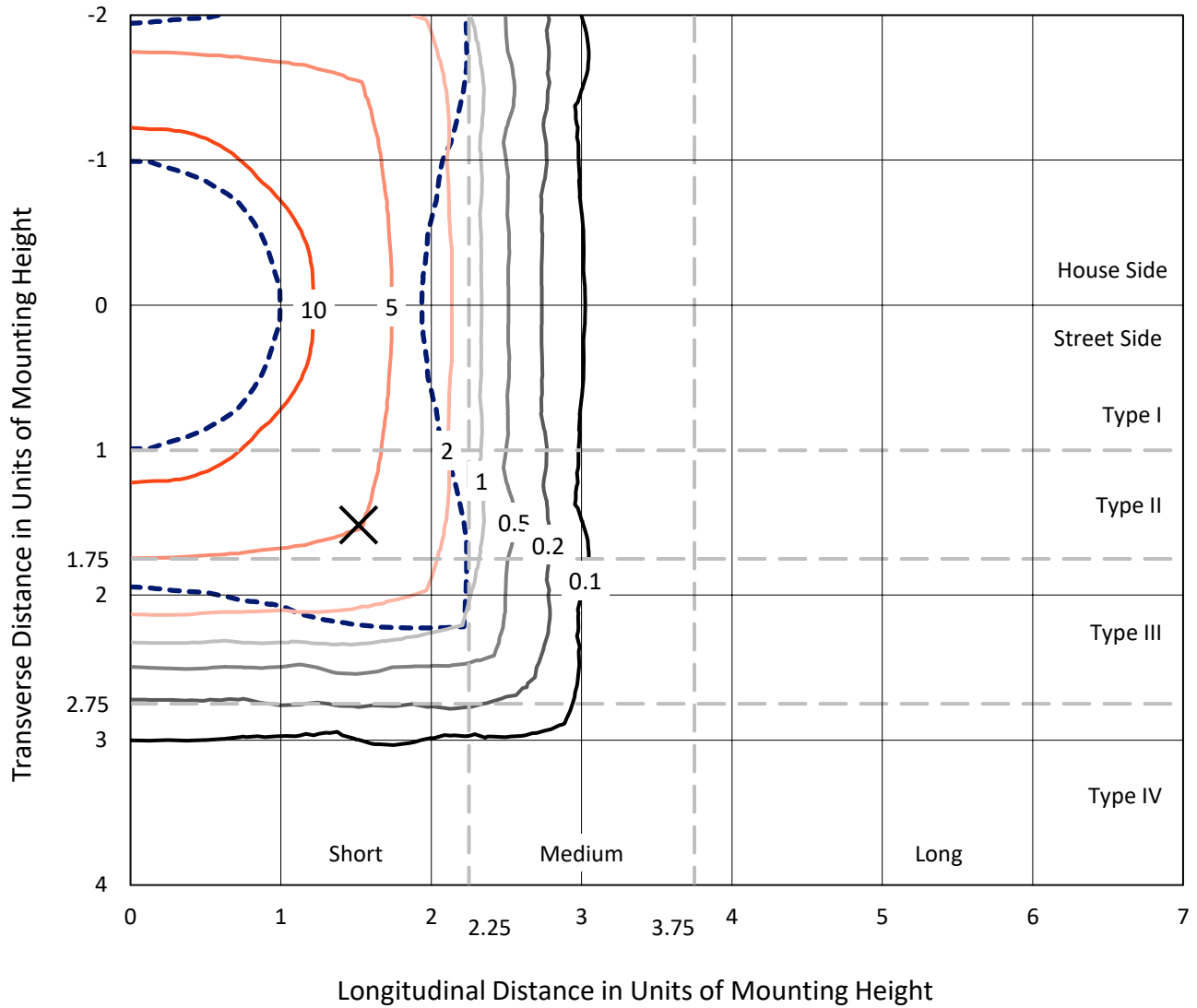
Lumens per Lamp: N/A  
Luminaire Lumens: 91224 lumens  
Efficiency: N/A  
Efficacy: 156.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

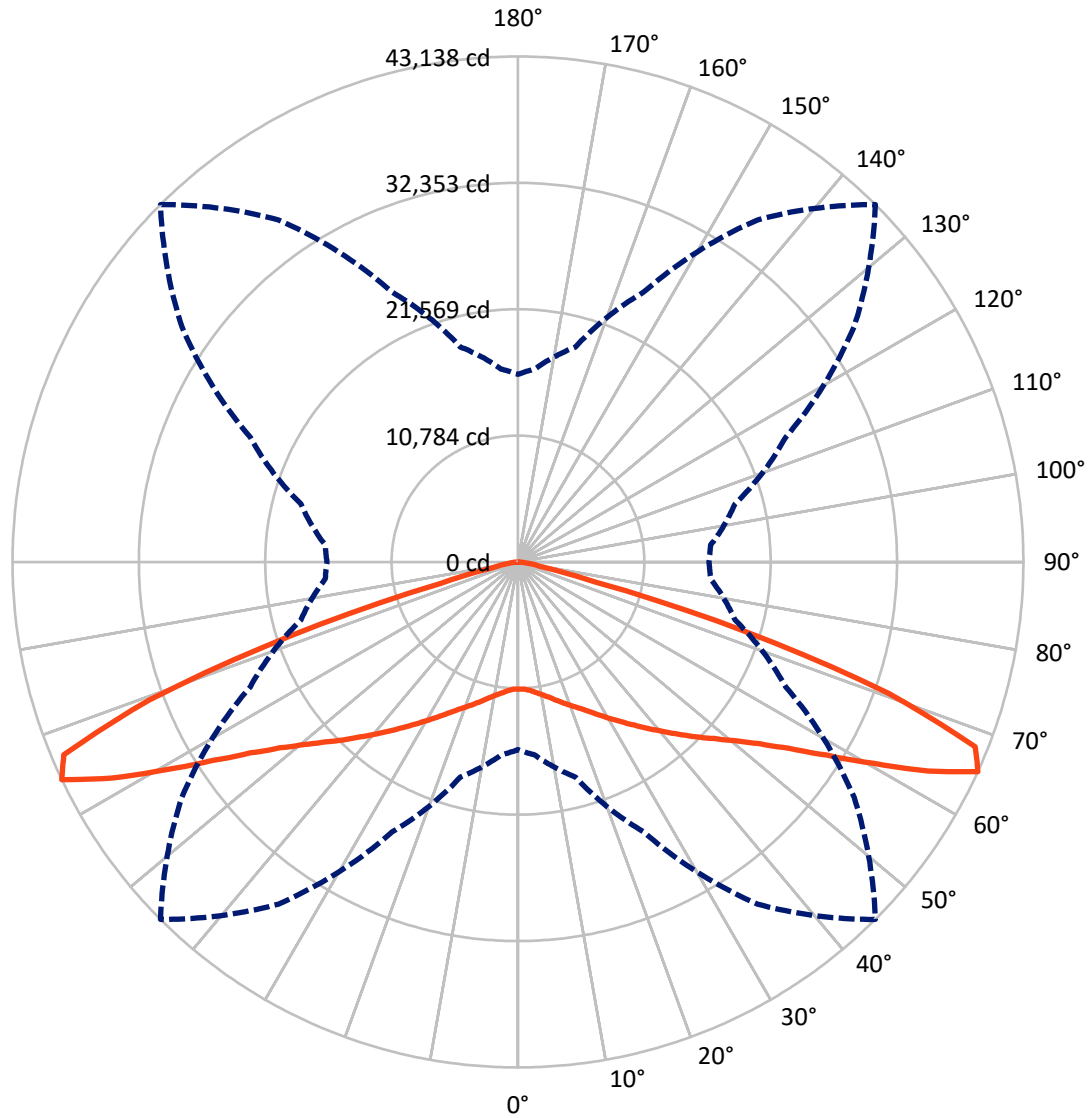
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	45612.0	0.0	45612.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	45612.0	0.0	45612.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	91224.0	0.0	91224.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1071.4	1.2
10°-20°	3496.2	3.8
20°-30°	6601.2	7.2
30°-40°	10809.2	11.8
40°-50°	16759.8	18.4
50°-60°	24757.7	27.1
60°-70°	23567.1	25.8
70°-80°	3802.9	4.2
80°-90°	358.5	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°	91224.0	100.0
0°-180°	91224.0	100.0

**Coefficient of Utilization**



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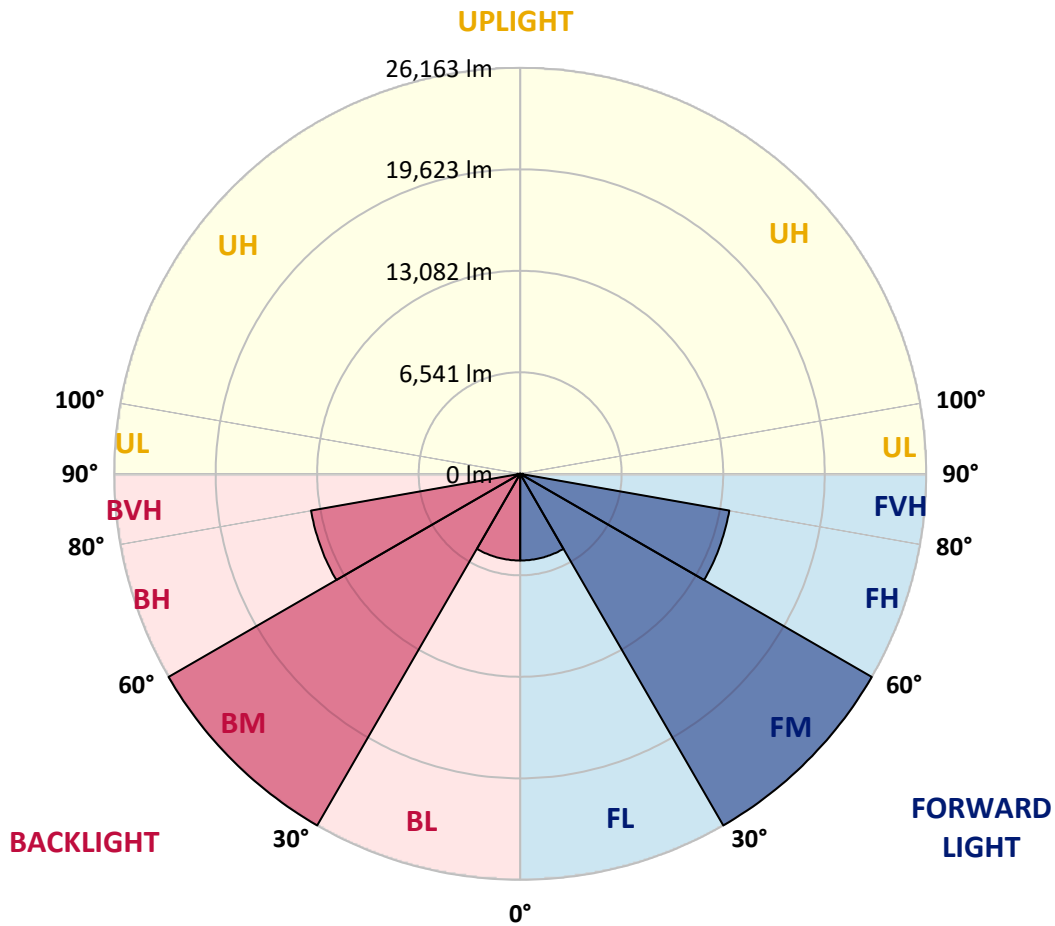
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5584.4	6.1			
FM (30°-60°)	26163.4	28.7			
FH (60°-80°)	13685.0	15.0			G5
FVH (80°-90°)	179.2	0.2			G2/225
BL (0°-30°)	5584.4	6.1	B5		
BM (30°-60°)	26163.4	28.7	B5		
BH (60°-80°)	13685.0	15.0	B5		G5
BVH (80°-90°)	179.2	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10856.6	10856.6	10856.6	10856.6	10856.6	10856.6	10856.6	10856.6	10856.6	10856.6
2.5°	10929.8	10893.2	10920.6	10897.8	10879.5	10861.1	10870.3	10902.3	10916.1	10920.6
5°	11076.3	11044.2	11058.0	11058.0	11025.9	11016.8	11021.3	11044.2	11071.7	11071.7
7.5°	11314.3	11282.2	11314.3	11296.0	11268.5	11259.3	11254.8	11273.1	11314.3	11314.3
10°	11602.6	11566.0	11584.3	11575.2	11543.1	11529.4	11524.8	11552.3	11588.9	11584.3
12.5°	11918.4	11877.2	11900.1	11872.7	11863.5	11849.8	11849.8	11845.2	11868.1	11849.8
15°	12270.9	12243.4	12252.5	12234.2	12248.0	12238.8	12202.2	12183.9	12193.0	12165.6
17.5°	12687.4	12623.3	12655.3	12646.2	12646.2	12664.5	12605.0	12582.1	12600.4	12572.9
20°	13167.9	13103.9	13117.6	13099.3	13076.4	13094.7	13021.5	13039.8	13053.5	13035.2
22.5°	13694.3	13611.9	13607.3	13616.5	13566.1	13570.7	13520.4	13566.1	13593.6	13543.2
25°	14234.4	14147.4	14206.9	14184.0	14119.9	14133.7	14097.1	14142.8	14165.7	14101.6
27.5°	14806.5	14747.0	14801.9	14815.6	14737.8	14792.8	14737.8	14779.0	14801.9	14705.8
30°	15474.7	15415.2	15465.6	15502.2	15410.7	15497.6	15451.8	15479.3	15483.9	15369.5
32.5°	16202.5	16110.9	16239.1	16257.4	16156.7	16262.0	16202.5	16239.1	16262.0	16106.4
35°	17090.4	16976.0	17122.4	17099.6	17012.6	17099.6	17044.6	17099.6	17154.5	16966.8
37.5°	18047.0	17928.0	18083.6	18042.4	17960.0	18019.5	17987.5	18024.1	18111.1	17909.7
40°	19099.7	18953.2	19163.8	19090.5	19012.7	19003.6	19021.9	19044.8	19159.2	18934.9
42.5°	20225.6	20070.0	20385.8	20271.4	20161.5	20088.3	20147.8	20193.6	20303.4	20051.7
45°	21511.8	21333.2	21745.2	21607.9	21433.9	21282.9	21379.0	21447.7	21607.9	21305.8
47.5°	22930.6	22729.2	23168.6	23127.4	22843.6	22514.1	22733.8	22930.6	23049.6	22683.5
50°	24317.4	24161.8	24738.5	24788.9	24441.0	23978.7	24285.4	24582.9	24614.9	24134.4
52.5°	25617.3	25461.7	26299.3	26615.1	26303.8	25754.6	26079.6	26381.6	26139.1	25516.6
55°	26656.3	26528.1	27594.5	28409.2	28514.5	28061.4	28253.6	28244.5	27448.1	26491.5
57.5°	26908.0	26889.7	28235.3	29960.8	31059.3	31114.2	30734.3	29764.0	28047.7	26761.5
60°	25763.8	25878.2	27727.3	30771.0	33700.2	34917.7	33274.6	30505.5	27365.7	25580.7
62.5°	22340.2	22642.3	24871.2	29782.3	35833.1	39293.3	35311.3	29379.6	24564.6	22234.9
65°	16010.2	16536.6	18999.0	25415.9	35640.9	43137.9	35018.4	25209.9	19182.1	16495.4
67.5°	7263.6	7799.2	9890.8	17401.6	30981.5	42094.4	30908.3	17584.7	10385.1	7826.6
70°	2631.8	2723.3	3396.1	6966.1	19800.0	33540.0	20646.7	7016.5	3611.2	2901.8
72.5°	1592.8	1606.5	1748.4	2494.4	6879.2	20362.9	7172.1	2576.8	1785.0	1583.6
75°	1011.5	1002.4	1244.9	1524.1	2439.5	6870.0	2558.5	1524.1	1240.4	1130.5
77.5°	727.7	750.6	892.5	1139.7	1537.9	2329.7	1510.4	1089.3	892.5	732.3
80°	544.7	558.4	649.9	887.9	1080.2	1450.9	961.2	805.5	672.8	457.7
82.5°	393.6	393.6	425.7	645.4	659.1	782.7	521.8	567.5	444.0	325.0
85°	233.4	228.8	265.5	384.5	343.3	288.3	238.0	347.8	279.2	201.4
87.5°	82.4	87.0	82.4	109.8	91.5	77.8	73.2	96.1	77.8	68.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
10856.6
10920.6
11071.7
11300.5
11575.2
11858.9
12170.2
12595.8
13076.4
13593.6
14174.9
14779.0
15438.1
16211.6
17081.2
18033.3
19008.1
20184.4
21461.4
22807.0
24193.9
25534.9
26523.5
26679.1
25370.1
22097.6
16298.6
7712.2
2865.2
1611.1
1139.7
746.0
471.4
325.0
196.8
64.1
0.0

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