

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: P949790

Luminaire Tested: **GALN-SB4B-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4B-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

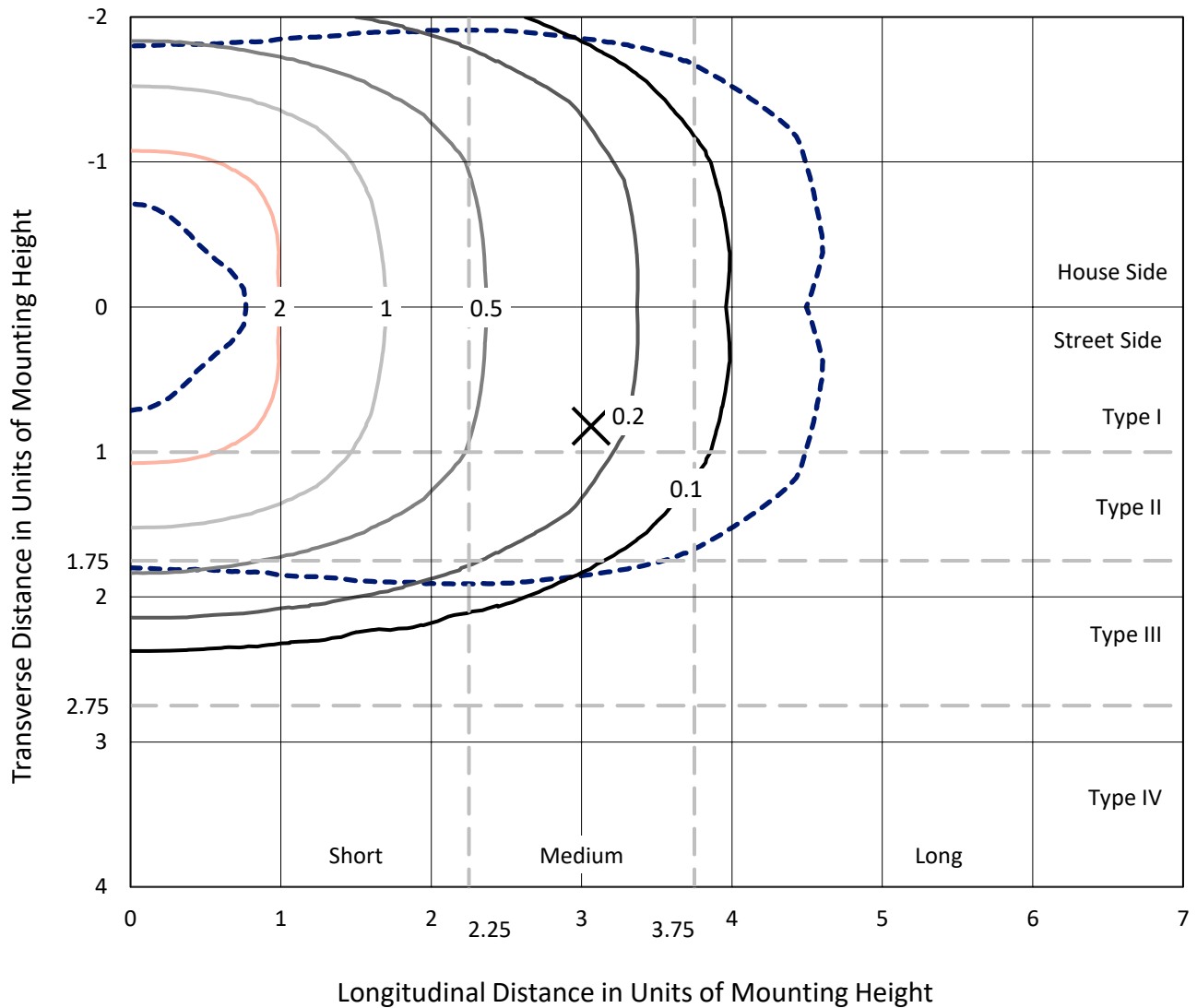
Lumens per Lamp: N/A  
Luminaire Lumens: 16840 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

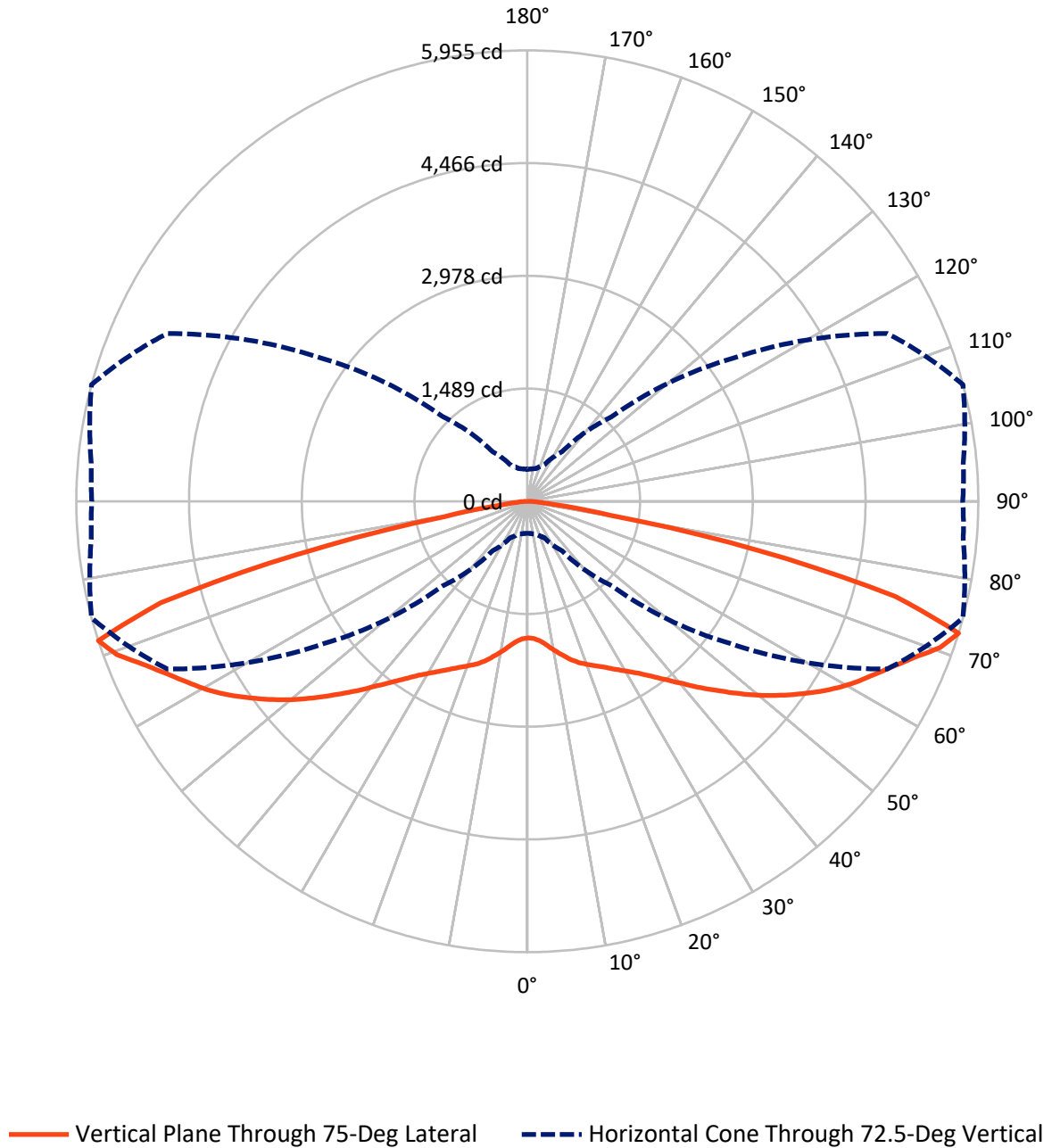
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8420.0	0.0	8420.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8420.0	0.0	8420.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16840.0	0.0	16840.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.7	1.0
10°-20°	582.8	3.5
20°-30°	1126.1	6.7
30°-40°	1901.6	11.3
40°-50°	3015.7	17.9
50°-60°	4037.7	24.0
60°-70°	3842.6	22.8
70°-80°	2005.1	11.9
80°-90°	151.8	0.9
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°	16840.0	100.0
0°-180°	16840.0	100.0

**Coefficient of Utilization**



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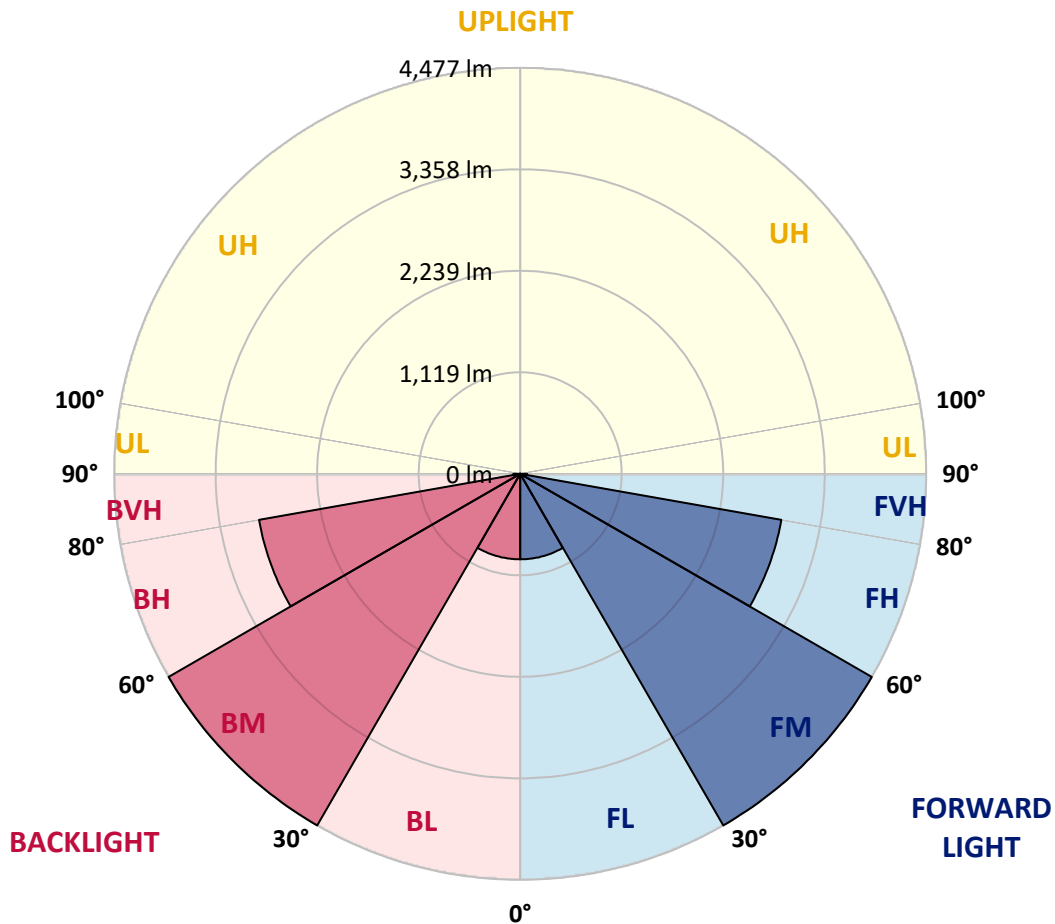
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	942.8	5.6			
FM (30°-60°)	4477.5	26.6			
FH (60°-80°)	2923.8	17.4			G2/5000
FVH (80°-90°)	75.9	0.5			G1/100
BL (0°-30°)	942.8	5.6	B2/1000		
BM (30°-60°)	4477.5	26.6	B3/5000		
BH (60°-80°)	2923.8	17.4	B4/5000		G4/5000
BVH (80°-90°)	75.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1803.9	1803.9	1803.9	1803.9	1803.9	1803.9	1803.9	1803.9	1803.9	1803.9
2.5°	1803.9	1802.1	1803.9	1805.6	1804.7	1804.7	1809.0	1811.6	1816.8	1815.9
5°	1791.8	1791.0	1797.8	1805.6	1811.6	1821.9	1834.8	1844.3	1856.3	1858.9
7.5°	1785.8	1783.2	1795.3	1809.0	1827.9	1853.7	1878.7	1904.5	1925.1	1932.0
10°	1790.1	1791.0	1807.3	1833.1	1863.2	1899.3	1934.6	1978.4	2007.6	2014.5
12.5°	1809.9	1808.2	1835.7	1876.9	1918.2	1963.8	2005.1	2053.2	2085.0	2101.4
15°	1846.0	1842.6	1881.2	1942.3	2002.5	2055.8	2089.3	2134.9	2171.9	2192.5
17.5°	1889.0	1890.7	1941.4	2020.5	2099.6	2159.8	2191.6	2214.9	2243.2	2261.3
20°	1964.6	1968.1	2024.8	2118.6	2208.8	2277.6	2303.4	2294.8	2302.6	2316.3
22.5°	2066.1	2067.8	2131.5	2232.9	2327.5	2403.1	2420.3	2385.1	2363.6	2373.1
25°	2183.9	2195.1	2258.7	2362.7	2459.9	2532.1	2539.9	2486.5	2433.2	2435.8
27.5°	2327.5	2337.8	2402.3	2505.5	2604.3	2667.1	2666.2	2594.9	2516.6	2496.9
30°	2483.1	2494.3	2560.5	2667.1	2759.1	2814.1	2802.1	2717.0	2605.2	2568.2
32.5°	2668.0	2674.8	2741.9	2848.5	2933.6	2977.5	2952.6	2847.7	2708.4	2666.2
35°	2891.5	2901.8	2951.7	3052.3	3127.1	3163.2	3121.1	2997.3	2840.8	2793.5
37.5°	3146.9	3140.0	3196.7	3286.2	3348.1	3370.4	3312.8	3165.8	2992.1	2936.2
40°	3413.4	3410.0	3471.9	3557.9	3591.4	3605.2	3520.0	3359.2	3166.7	3106.5
42.5°	3655.0	3652.4	3735.8	3831.3	3871.7	3856.2	3748.7	3564.7	3368.7	3299.9
45°	3848.5	3845.0	3947.4	4081.5	4160.6	4134.8	3990.3	3791.7	3573.3	3502.0
47.5°	3997.2	3998.9	4109.0	4274.9	4413.4	4422.8	4237.1	4023.0	3798.6	3717.8
50°	4104.7	4109.9	4227.6	4411.6	4600.8	4684.2	4489.0	4260.3	4031.6	3940.5
52.5°	4131.4	4140.8	4282.7	4498.5	4721.2	4880.2	4745.2	4488.2	4252.6	4165.7
55°	3989.5	4008.4	4188.1	4491.6	4795.1	5009.2	4970.5	4719.5	4475.3	4385.9
57.5°	3663.6	3690.3	3900.1	4296.4	4778.8	5097.8	5145.1	4941.3	4698.0	4612.0
60°	3207.1	3238.9	3440.1	3872.6	4548.4	5130.4	5268.0	5157.1	4902.6	4819.2
62.5°	2518.4	2559.6	2800.4	3307.7	4061.7	4978.3	5372.9	5352.3	5086.6	4982.6
65°	1615.6	1659.4	1913.1	2512.3	3412.6	4512.2	5405.6	5542.3	5280.9	5135.6
67.5°	974.2	993.9	1119.5	1522.7	2494.3	3809.8	5128.7	5752.9	5507.9	5327.3
70°	623.4	634.5	709.3	894.2	1410.1	2779.7	4442.6	5792.5	5783.0	5524.2
72.5°	423.0	426.5	446.2	529.6	797.9	1579.5	3276.7	5243.9	5955.0	5777.9
75°	309.5	328.4	360.3	374.9	453.1	789.3	1877.8	3684.3	5018.7	5096.0
77.5°	230.4	231.3	275.1	292.3	323.3	420.4	794.5	2056.6	3115.9	3271.5
80°	195.2	184.9	184.0	235.6	243.3	262.2	355.1	710.2	1116.0	676.7
82.5°	162.5	151.3	136.7	184.0	165.9	160.8	153.9	288.9	355.1	174.5
85°	113.5	108.3	103.2	120.4	94.6	80.8	73.9	135.0	149.6	73.9
87.5°	49.0	50.7	51.6	53.3	39.6	28.4	28.4	37.8	37.8	29.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1803.9
1815.0
1858.9
1933.7
2021.4
2108.2
2200.2
2269.9
2326.6
2379.9
2440.1
2502.9
2572.5
2676.6
2800.4
2946.5
3126.2
3317.1
3518.3
3741.9
3968.0
4188.1
4410.8
4631.8
4837.2
4994.6
5153.7
5341.1
5522.5
5750.4
4908.6
2918.2
511.6
148.7
65.3
21.5
0.0

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