

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: P950861

Luminaire Tested: **GALN-SB5A-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950861  
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-SB5A-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

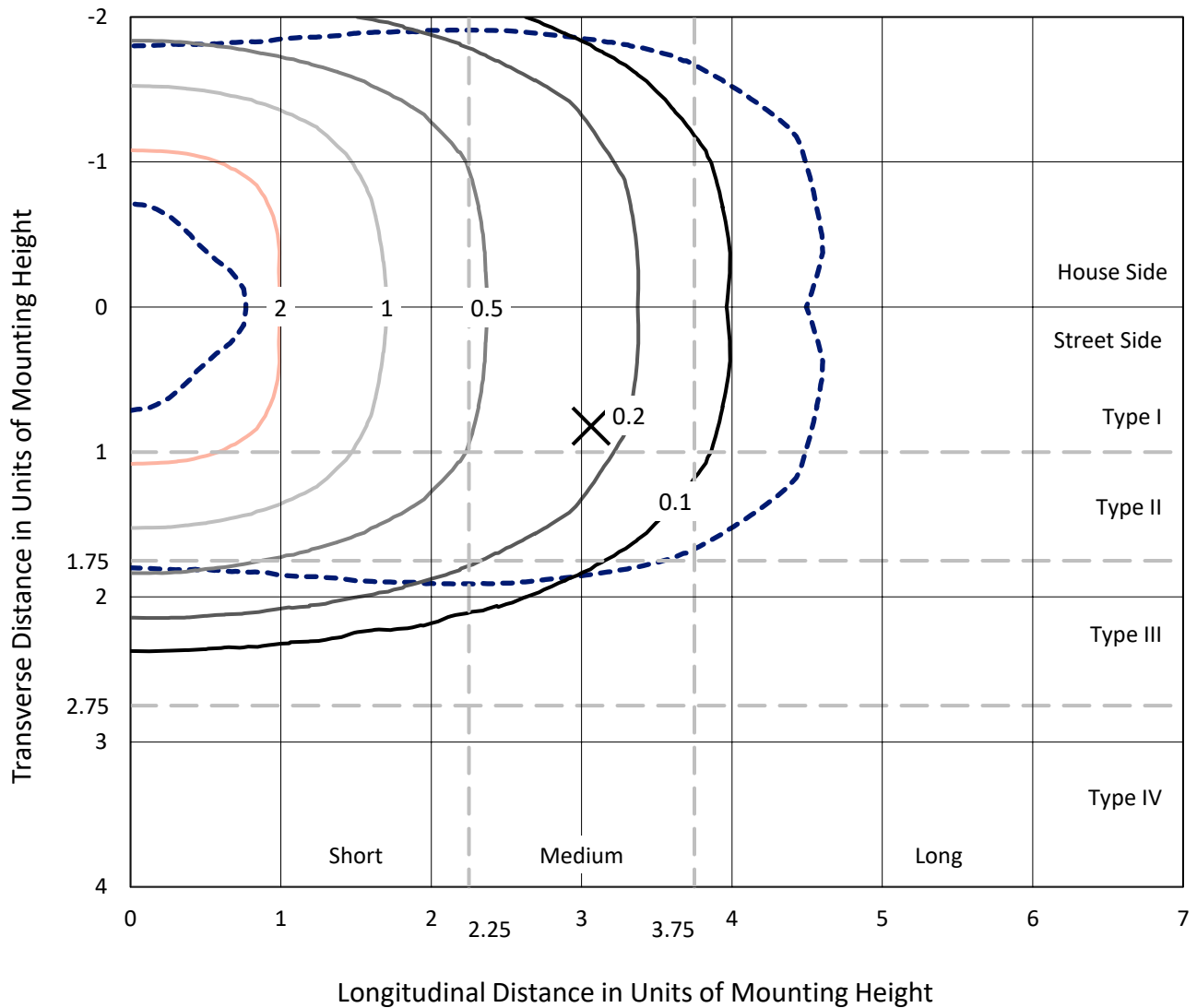
Lumens per Lamp: N/A  
Luminaire Lumens: 16908 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): 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



REPORT NUMBER: P950861  
 CATALOG NUMBER: GALN-SB5A-940-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

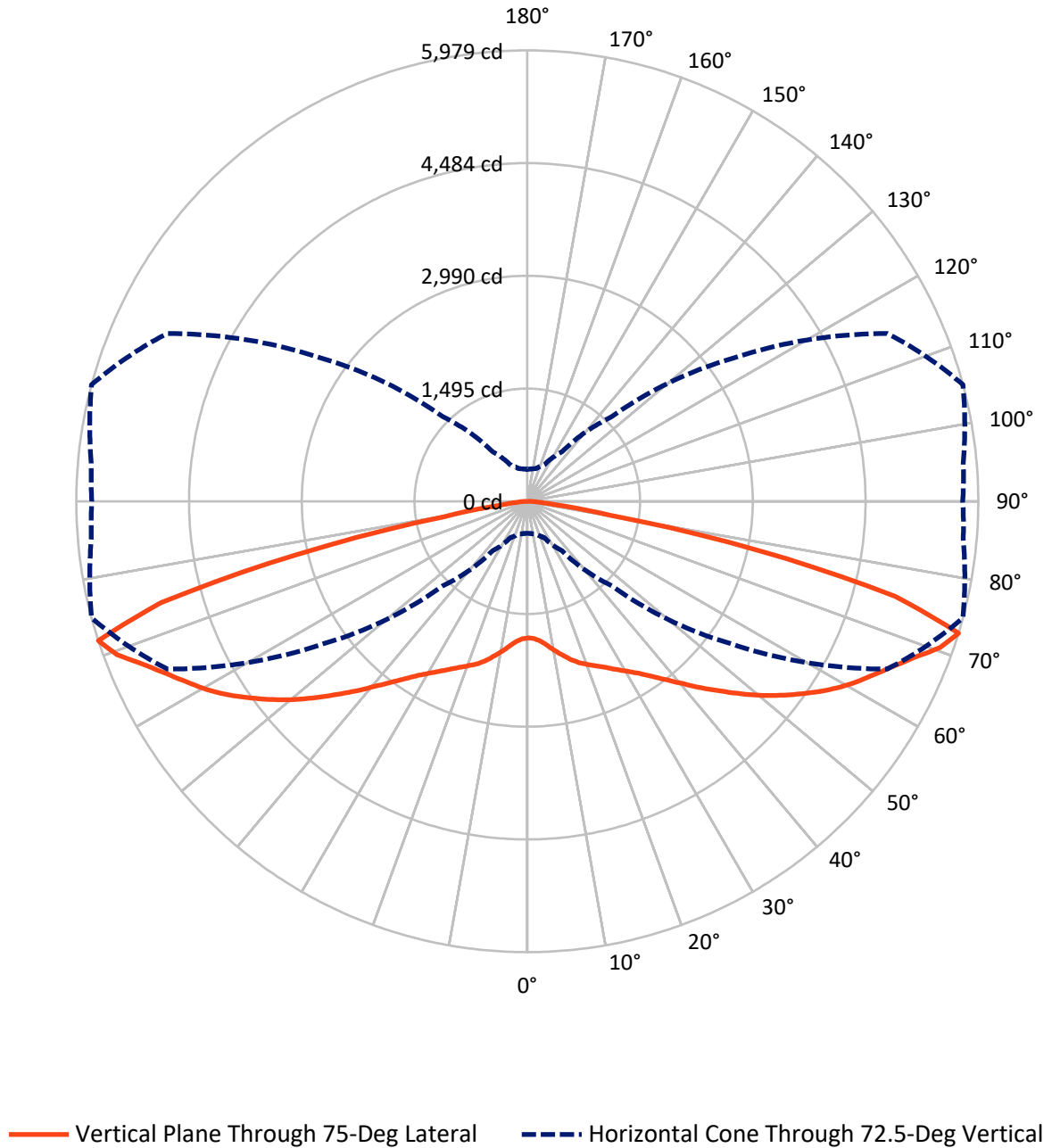
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P950861  
CATALOG NUMBER: GALN-SB5A-940-U-RW

### Luminous Intensity Polar Plot



REPORT NUMBER: P950861  
 CATALOG NUMBER: GALN-SB5A-940-U-RW

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8454.0	0.0	8454.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8454.0	0.0	8454.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16908.0	0.0	16908.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.4	1.0
10°-20°	585.2	3.5
20°-30°	1130.7	6.7
30°-40°	1909.3	11.3
40°-50°	3027.9	17.9
50°-60°	4054.0	24.0
60°-70°	3858.1	22.8
70°-80°	2013.2	11.9
80°-90°	152.4	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°	16908.0	100.0
0°-180°	16908.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P950861

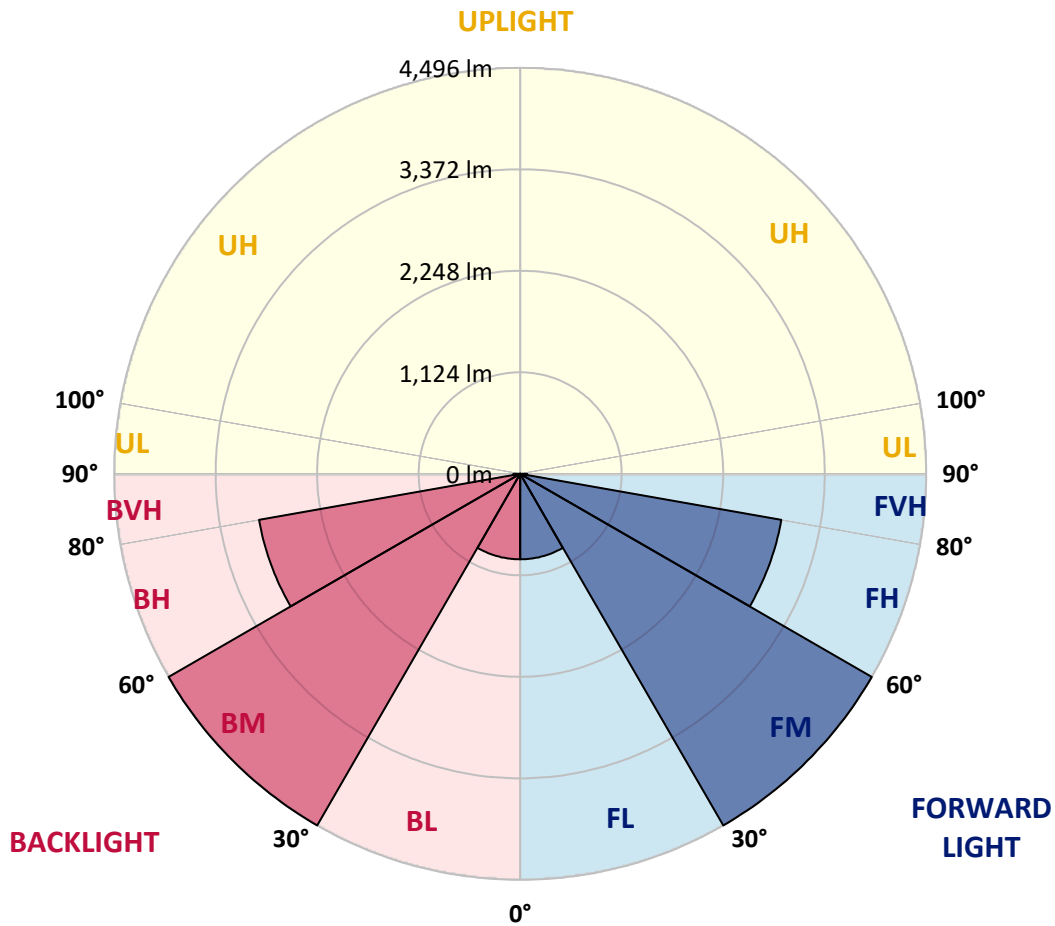
CATALOG NUMBER: GALN-SB5A-940-U-RW

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.6	5.6			
FM (30°-60°)	4495.5	26.6			
FH (60°-80°)	2935.6	17.4			G2/5000
FVH (80°-90°)	76.2	0.5			G1/100
BL (0°-30°)	946.6	5.6	B2/1000		
BM (30°-60°)	4495.5	26.6	B3/5000		
BH (60°-80°)	2935.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	76.2	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



REPORT NUMBER: P950861  
 CATALOG NUMBER: GALN-SB5A-940-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1811.1	1811.1	1811.1	1811.1	1811.1	1811.1	1811.1	1811.1	1811.1	1811.1
2.5°	1811.1	1809.4	1811.1	1812.9	1812.0	1812.0	1816.3	1818.9	1824.1	1823.2
5°	1799.1	1798.2	1805.1	1812.9	1818.9	1829.3	1842.2	1851.7	1863.8	1866.4
7.5°	1793.0	1790.4	1802.5	1816.3	1835.3	1861.2	1886.3	1912.2	1932.9	1939.8
10°	1797.3	1798.2	1814.6	1840.5	1870.7	1907.0	1942.4	1986.4	2015.7	2022.7
12.5°	1817.2	1815.5	1843.1	1884.5	1926.0	1971.7	2013.2	2061.5	2093.4	2109.8
15°	1853.4	1850.0	1888.8	1950.1	2010.6	2064.1	2097.8	2143.5	2180.6	2201.3
17.5°	1896.6	1898.3	1949.3	2028.7	2108.1	2168.5	2200.5	2223.8	2252.3	2270.4
20°	1972.6	1976.0	2033.0	2127.1	2217.8	2286.8	2312.7	2304.1	2311.8	2325.7
22.5°	2074.4	2076.2	2140.1	2241.9	2336.9	2412.9	2430.1	2394.7	2373.1	2382.6
25°	2192.7	2203.9	2267.8	2372.3	2469.8	2542.3	2550.1	2496.6	2443.1	2445.7
27.5°	2336.9	2347.2	2412.0	2515.6	2614.9	2677.9	2677.0	2605.4	2526.8	2506.9
30°	2493.1	2504.4	2570.8	2677.9	2770.2	2825.5	2813.4	2727.9	2615.7	2578.6
32.5°	2678.7	2685.6	2753.0	2860.0	2945.5	2989.5	2964.5	2859.2	2719.3	2677.0
35°	2903.2	2913.6	2963.6	3064.6	3139.7	3176.0	3133.7	3009.4	2852.3	2804.8
37.5°	3159.6	3152.7	3209.7	3299.4	3361.6	3384.0	3326.2	3178.6	3004.2	2948.1
40°	3427.2	3423.7	3485.9	3572.2	3605.9	3619.7	3534.2	3372.8	3179.4	3119.0
42.5°	3669.8	3667.2	3750.9	3846.8	3887.3	3871.8	3763.9	3579.1	3382.3	3313.2
45°	3864.0	3860.6	3963.3	4098.0	4177.4	4151.5	4006.5	3807.0	3587.8	3516.1
47.5°	4013.4	4015.1	4125.6	4292.2	4431.2	4440.7	4254.2	4039.3	3813.9	3732.8
50°	4121.3	4126.5	4244.7	4429.5	4619.4	4703.1	4507.2	4277.5	4047.9	3956.4
52.5°	4148.0	4157.5	4300.0	4516.7	4740.2	4899.9	4764.4	4506.3	4269.8	4182.6
55°	4005.6	4024.6	4205.0	4509.7	4814.5	5029.4	4990.6	4738.5	4493.3	4403.6
57.5°	3678.4	3705.2	3915.8	4313.8	4798.1	5118.4	5165.8	4961.2	4716.9	4630.6
60°	3220.0	3252.0	3454.0	3888.2	4566.7	5151.2	5289.3	5177.9	4922.4	4838.7
62.5°	2528.5	2570.0	2811.7	3321.0	4078.1	4998.4	5394.6	5373.9	5107.1	5002.7
65°	1622.1	1666.1	1920.8	2522.5	3426.3	4530.5	5427.4	5564.7	5302.2	5156.3
67.5°	978.1	997.9	1124.0	1528.9	2504.4	3825.2	5149.4	5776.2	5530.1	5348.8
70°	625.9	637.1	712.2	897.8	1415.8	2791.0	4460.5	5815.9	5806.4	5546.5
72.5°	424.7	428.2	448.0	531.8	801.1	1585.8	3289.9	5265.1	5979.0	5801.2
75°	310.8	329.8	361.7	376.4	454.9	792.5	1885.4	3699.1	5038.9	5116.6
77.5°	231.4	232.2	276.2	293.5	324.6	422.1	797.7	2065.0	3128.5	3284.8
80°	196.0	185.6	184.7	236.5	244.3	263.3	356.5	713.1	1120.5	679.4
82.5°	163.2	151.9	137.3	184.7	166.6	161.4	154.5	290.1	356.5	175.2
85°	114.0	108.8	103.6	120.9	95.0	81.1	74.2	135.5	150.2	74.2
87.5°	49.2	50.9	51.8	53.5	39.7	28.5	28.5	38.0	38.0	29.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1811.1
1822.4
1866.4
1941.5
2029.6
2116.7
2209.1
2279.0
2336.0
2389.5
2450.0
2513.0
2582.9
2687.4
2811.7
2958.4
3138.9
3330.5
3532.5
3757.0
3984.0
4205.0
4428.6
4650.5
4856.8
5014.8
5174.5
5362.7
5544.8
5773.6
4928.4
2930.0
513.6
149.3
65.6
21.6
0.0

OF REPORT)