

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: P953003

Luminaire Tested: **GALN-SB6C-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953003  
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-SB6C-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

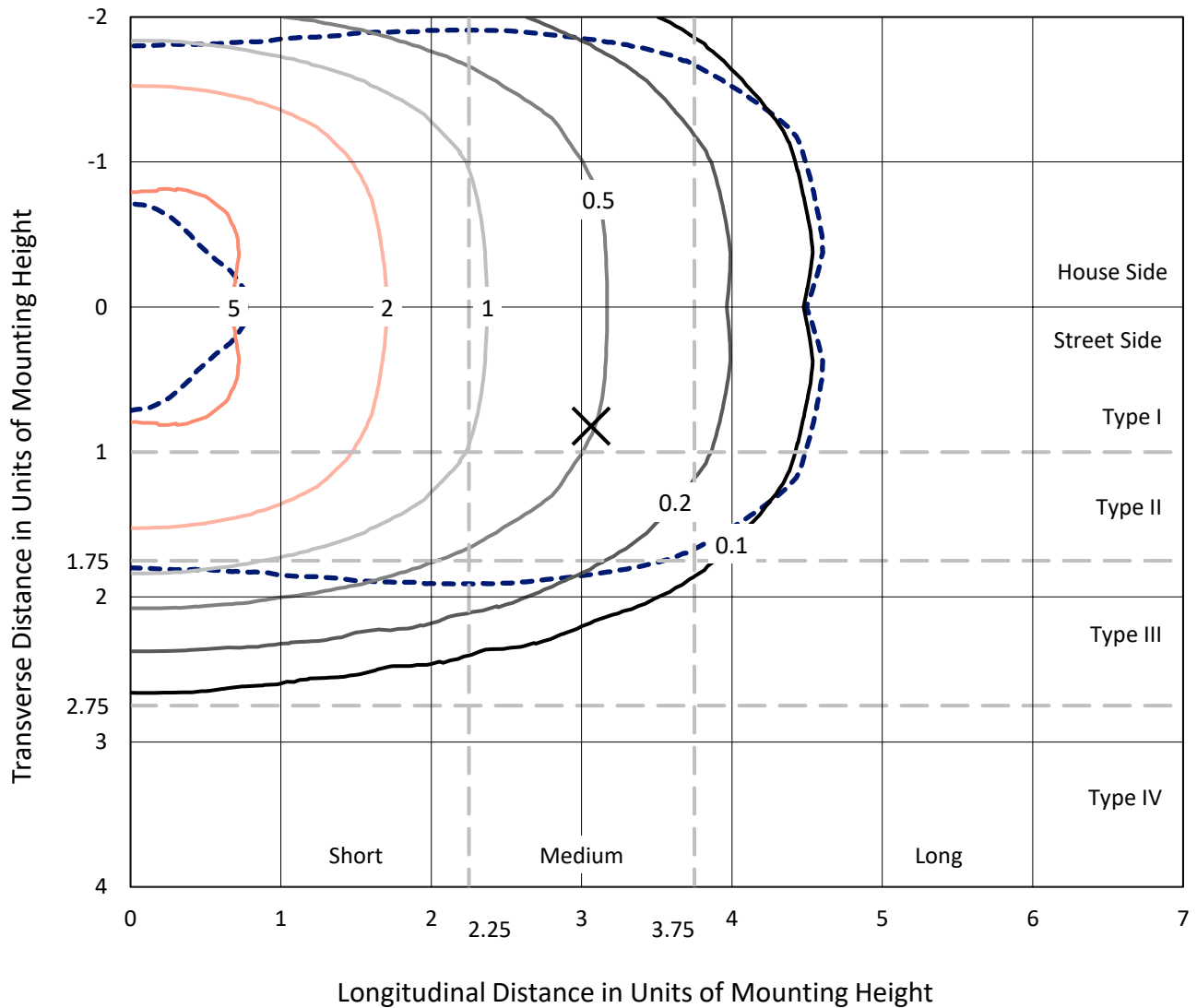
Lumens per Lamp: N/A  
Luminaire Lumens: 33888 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): 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

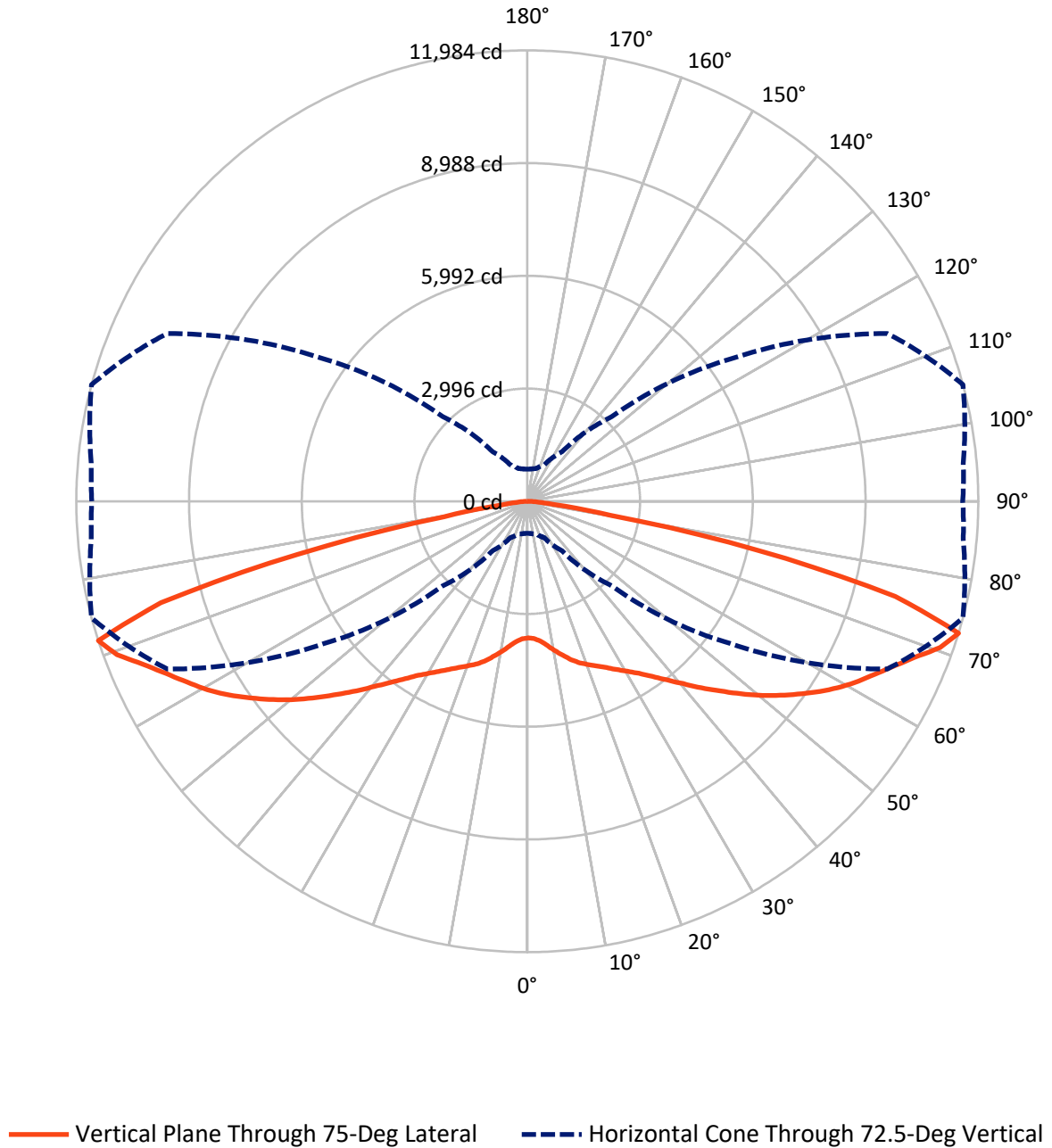
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	16944.0	0.0	16944.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16944.0	0.0	16944.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33888.0	0.0	33888.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	355.6	1.0
10°-20°	1172.8	3.5
20°-30°	2266.2	6.7
30°-40°	3826.6	11.3
40°-50°	6068.6	17.9
50°-60°	8125.2	24.0
60°-70°	7732.5	22.8
70°-80°	4035.0	11.9
80°-90°	305.4	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°	33888.0	100.0
0°-180°	33888.0	100.0

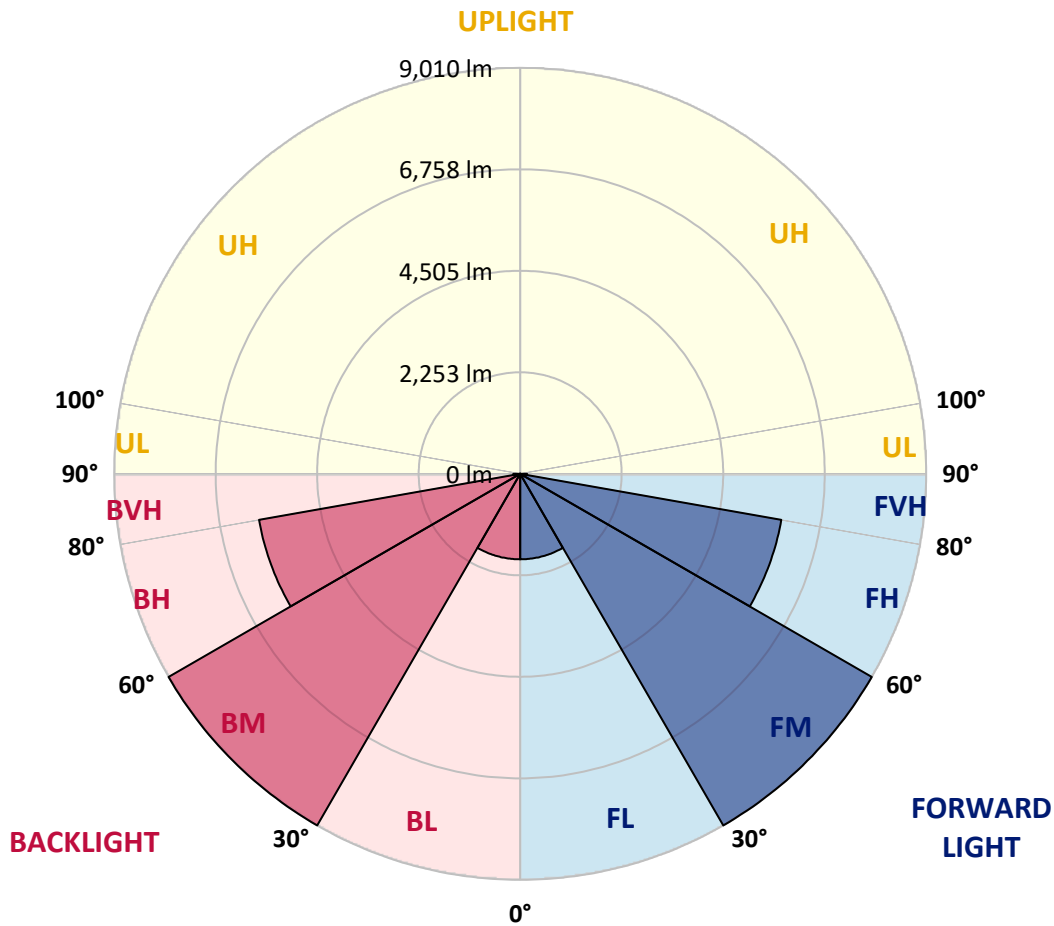


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1897.3	5.6			
FM (30°-60°)	9010.2	26.6			
FH (60°-80°)	5883.8	17.4			G3/7500
FVH (80°-90°)	152.7	0.5			G2/225
BL (0°-30°)	1897.3	5.6	B3/2500		
BM (30°-60°)	9010.2	26.6	B5		
BH (60°-80°)	5883.8	17.4	B5		G5
BVH (80°-90°)	152.7	0.5			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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3630.0	3630.0	3630.0	3630.0	3630.0	3630.0	3630.0	3630.0	3630.0	3630.0
2.5°	3630.0	3626.6	3630.0	3633.5	3631.7	3631.7	3640.4	3645.6	3656.0	3654.2
5°	3605.8	3604.1	3617.9	3633.5	3645.6	3666.3	3692.3	3711.3	3735.6	3740.7
7.5°	3593.7	3588.5	3612.7	3640.4	3678.5	3730.4	3780.5	3832.4	3874.0	3887.8
10°	3602.3	3604.1	3636.9	3688.8	3749.4	3822.1	3893.0	3981.2	4040.1	4053.9
12.5°	3642.1	3638.7	3694.0	3777.1	3860.1	3951.8	4034.9	4131.8	4195.8	4228.7
15°	3714.8	3707.9	3785.7	3908.6	4029.7	4137.0	4204.4	4296.1	4370.5	4412.1
17.5°	3801.3	3804.8	3906.8	4066.0	4225.2	4346.3	4410.3	4457.1	4514.2	4550.5
20°	3953.6	3960.5	4074.7	4263.3	4444.9	4583.4	4635.3	4618.0	4633.5	4661.2
22.5°	4157.7	4161.2	4289.2	4493.4	4683.7	4836.0	4870.6	4799.6	4756.4	4775.4
25°	4394.8	4417.3	4545.3	4754.7	4950.2	5095.5	5111.1	5003.8	4896.5	4901.7
27.5°	4683.7	4704.5	4834.2	5041.9	5240.9	5367.2	5365.4	5221.8	5064.4	5024.6
30°	4996.9	5019.4	5152.6	5367.2	5552.3	5663.0	5638.8	5467.5	5242.6	5168.2
32.5°	5368.9	5382.7	5517.7	5732.2	5903.5	5991.8	5941.6	5730.5	5450.2	5365.4
35°	5818.7	5839.5	5939.9	6142.3	6292.8	6365.5	6280.7	6031.6	5716.7	5621.5
37.5°	6332.6	6318.8	6433.0	6612.9	6737.5	6782.5	6666.6	6370.7	6021.2	5908.7
40°	6869.0	6862.1	6986.6	7159.7	7227.1	7254.8	7083.5	6760.0	6372.4	6251.3
42.5°	7355.2	7350.0	7517.8	7709.9	7791.2	7760.1	7543.8	7173.5	6779.0	6640.6
45°	7744.5	7737.6	7943.5	8213.4	8372.6	8320.7	8030.0	7630.3	7190.8	7047.2
47.5°	8043.8	8047.3	8268.7	8602.7	8881.2	8900.3	8526.5	8095.7	7644.1	7481.5
50°	8260.1	8270.5	8507.5	8877.8	9258.4	9426.3	9033.5	8573.3	8113.0	7929.6
52.5°	8313.7	8332.8	8618.2	9052.5	9500.7	9820.8	9549.1	9031.8	8557.7	8382.9
55°	8028.2	8066.3	8427.9	9038.7	9649.5	10080.3	10002.4	9497.2	9005.8	8825.9
57.5°	7372.5	7426.1	7848.3	8645.9	9616.6	10258.5	10353.7	9943.6	9453.9	9280.9
60°	6453.7	6517.8	6922.6	7792.9	9152.9	10324.3	10601.1	10377.9	9865.7	9697.9
62.5°	5067.8	5150.9	5635.3	6656.2	8173.6	10018.0	10812.2	10770.6	10236.0	10026.7
65°	3251.1	3339.3	3849.7	5055.7	6867.3	9080.2	10877.9	11153.0	10627.0	10334.6
67.5°	1960.3	2000.1	2252.8	3064.2	5019.4	7666.6	10320.8	11576.9	11083.8	10720.5
70°	1254.4	1276.9	1427.4	1799.4	2837.6	5593.8	8940.1	11656.5	11637.5	11116.7
72.5°	851.3	858.2	898.0	1065.8	1605.6	3178.4	6593.9	10552.6	11983.5	11627.1
75°	622.9	660.9	725.0	754.4	911.8	1588.3	3778.8	7414.0	10099.3	10255.0
77.5°	463.7	465.4	553.7	588.3	650.6	846.1	1598.7	4138.7	6270.3	6583.5
80°	392.8	372.0	370.3	474.1	489.7	527.7	714.6	1429.2	2245.8	1361.7
82.5°	327.0	304.5	275.1	370.3	333.9	323.6	309.7	581.4	714.6	351.2
85°	228.4	218.0	207.6	242.2	190.3	162.6	148.8	271.6	301.1	148.8
87.5°	98.6	102.1	103.8	107.3	79.6	57.1	57.1	76.1	76.1	58.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
3630.0
3652.5
3740.7
3891.3
4067.8
4242.5
4427.6
4567.8
4682.0
4789.3
4910.4
5036.7
5176.8
5386.2
5635.3
5929.5
6291.1
6675.2
7080.1
7529.9
7985.0
8427.9
8876.1
9320.7
9734.2
10050.9
10371.0
10748.2
11113.2
<i>11571.7</i>
9877.9
5872.4
1029.5
299.3
131.5
43.3
0.0

OF REPORT)