

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: P949937

Luminaire Tested: **GALN-SB4C-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949937
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-SB4C-750-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32699 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

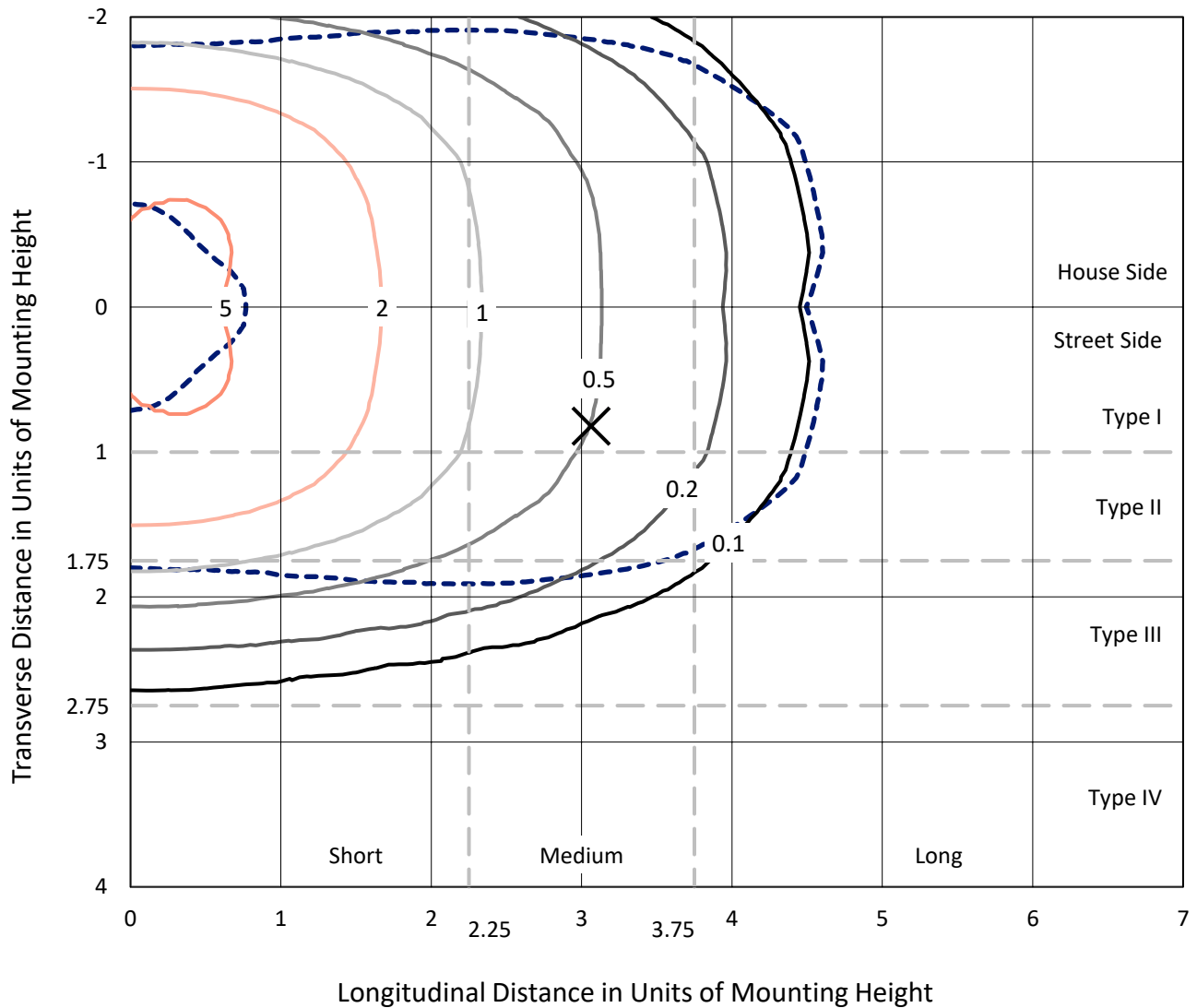
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

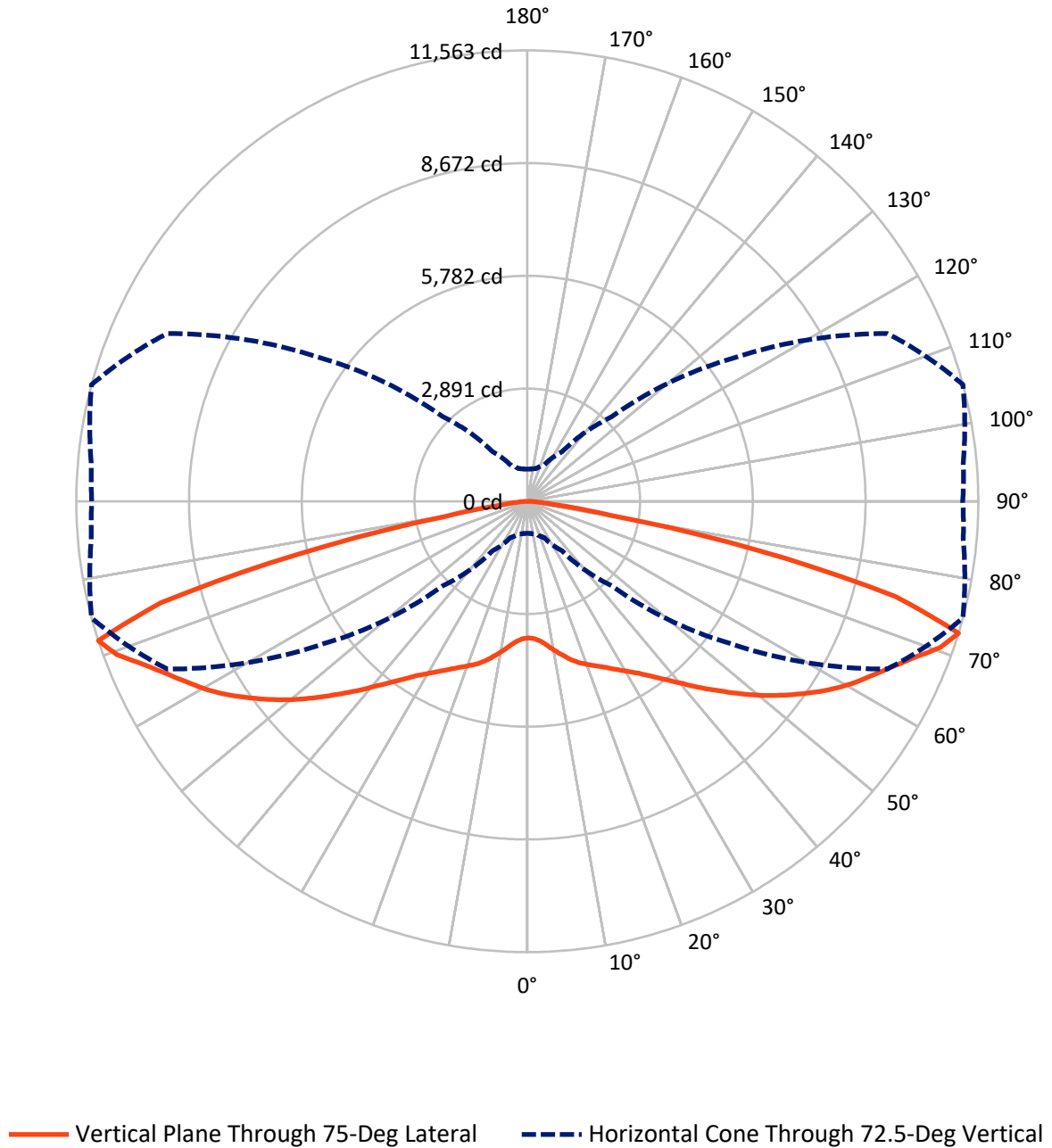
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16349.5	0.0	16349.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16349.5	0.0	16349.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32699.0	0.0	32699.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	1.0
10°-20°	1131.7	3.5
20°-30°	2186.7	6.7
30°-40°	3692.4	11.3
40°-50°	5855.7	17.9
50°-60°	7840.1	24.0
60°-70°	7461.2	22.8
70°-80°	3893.4	11.9
80°-90°	294.7	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°	32699.0	100.0
0°-180°	32699.0	100.0



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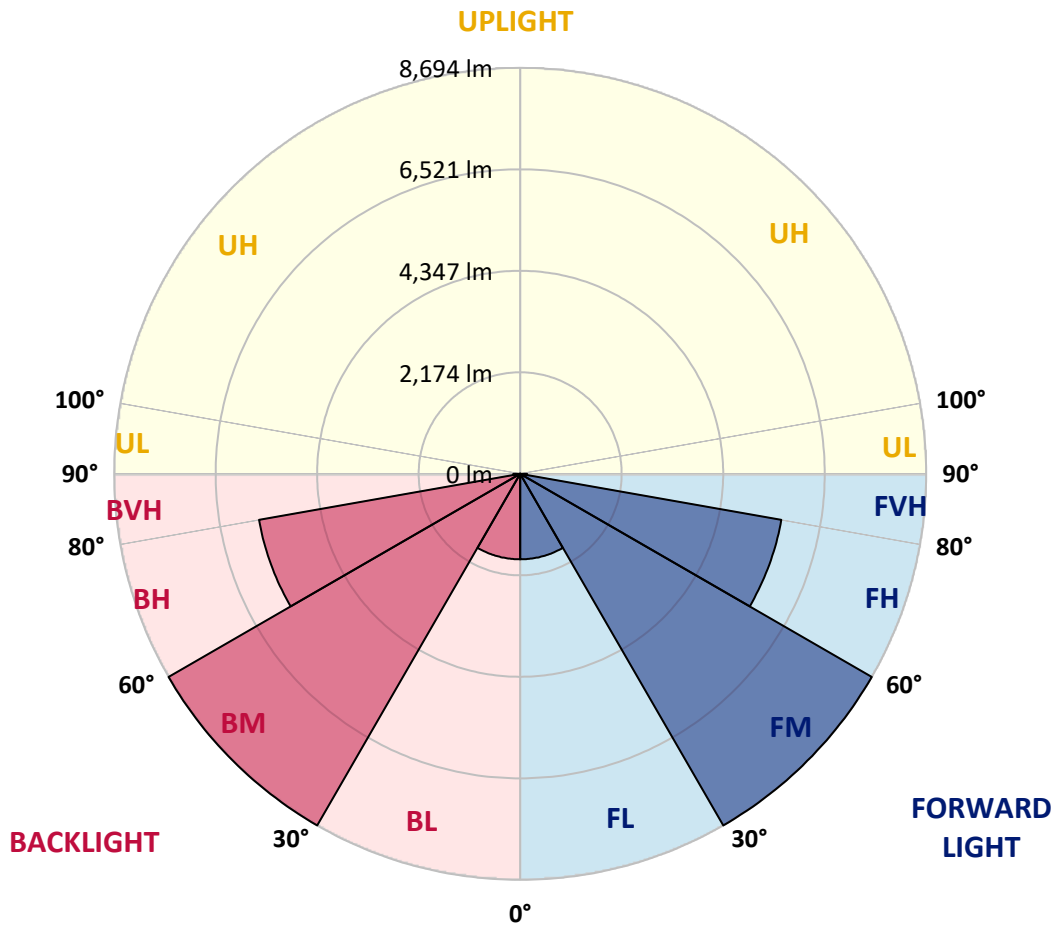
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1830.7	5.6			
FM (30°-60°)	8694.1	26.6			
FH (60°-80°)	5677.3	17.4			G3/7500
FVH (80°-90°)	147.4	0.5			G2/225
BL (0°-30°)	1830.7	5.6	B3/2500		
BM (30°-60°)	8694.1	26.6	B5		
BH (60°-80°)	5677.3	17.4	B5		G5
BVH (80°-90°)	147.4	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°	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6
2.5°	3502.6	3499.3	3502.6	3506.0	3504.3	3504.3	3512.7	3517.7	3527.7	3526.0
5°	3479.3	3477.6	3491.0	3506.0	3517.7	3537.7	3562.8	3581.1	3604.5	3609.5
7.5°	3467.6	3462.6	3486.0	3512.7	3549.4	3599.5	3647.9	3698.0	3738.1	3751.4
10°	3475.9	3477.6	3509.3	3559.4	3617.8	3688.0	3756.4	3841.6	3898.3	3911.7
12.5°	3514.3	3511.0	3564.4	3644.6	3724.7	3813.2	3893.3	3986.8	4048.6	4080.3
15°	3584.5	3577.8	3652.9	3771.4	3888.3	3991.8	4056.9	4145.4	4217.2	4257.3
17.5°	3667.9	3671.3	3769.8	3923.4	4077.0	4193.8	4255.6	4300.7	4355.8	4390.8
20°	3814.8	3821.5	3931.7	4113.7	4289.0	4422.6	4472.6	4455.9	4471.0	4497.7
22.5°	4011.9	4015.2	4138.7	4335.7	4519.4	4666.3	4699.7	4631.2	4589.5	4607.9
25°	4240.6	4262.3	4385.8	4587.8	4776.5	4916.7	4931.8	4828.2	4724.7	4729.7
27.5°	4519.4	4539.4	4664.6	4865.0	5057.0	5178.8	5177.2	5038.6	4886.7	4848.3
30°	4821.6	4843.3	4971.8	5178.8	5357.5	5464.3	5441.0	5275.7	5058.6	4986.8
32.5°	5180.5	5193.9	5324.1	5531.1	5696.4	5781.5	5733.1	5529.4	5259.0	5177.2
35°	5614.6	5634.6	5731.5	5926.8	6072.0	6142.2	6060.3	5819.9	5516.1	5424.3
37.5°	6110.4	6097.1	6207.3	6380.9	6501.1	6544.5	6432.7	6147.2	5809.9	5701.4
40°	6628.0	6621.3	6741.5	6908.5	6973.6	7000.3	6835.0	6522.8	6148.8	6032.0
42.5°	7097.1	7092.1	7254.1	7439.4	7517.8	7487.8	7279.1	6921.8	6541.2	6407.6
45°	7472.8	7466.1	7664.8	7925.2	8078.8	8028.7	7748.2	7362.6	6938.5	6799.9
47.5°	7761.6	7764.9	7978.6	8300.8	8569.6	8588.0	8227.4	7811.7	7375.9	7219.0
50°	7970.3	7980.3	8209.0	8566.3	8933.6	9095.5	8716.6	8272.5	7828.4	7651.4
52.5°	8022.0	8040.4	8315.9	8734.9	9167.3	9476.2	9214.1	8714.9	8257.4	8088.8
55°	7746.6	7783.3	8132.2	8721.6	9310.9	9726.6	9651.5	9164.0	8689.8	8516.2
57.5°	7113.8	7165.6	7572.9	8342.6	9279.2	9898.6	9990.4	9594.7	9122.2	8955.3
60°	6227.3	6289.1	6679.7	7519.5	8831.7	9962.0	10229.1	10013.8	9519.6	9357.6
62.5°	4890.0	4970.2	5437.6	6422.6	7886.8	9666.5	10432.8	10392.7	9876.9	9674.9
65°	3137.0	3222.2	3714.7	4878.3	6626.3	8761.6	10496.3	10761.7	10254.2	9972.0
67.5°	1891.6	1930.0	2173.7	2956.7	4843.3	7397.6	9958.7	11170.7	10694.9	10344.3
70°	1210.4	1232.1	1377.4	1736.3	2738.0	5397.6	8626.4	11247.5	11229.2	10726.7
72.5°	821.4	828.1	866.5	1028.4	1549.3	3066.9	6362.5	10182.4	11563.1	11219.2
75°	601.0	637.8	699.5	727.9	879.8	1532.6	3646.2	7153.9	9745.0	9895.2
77.5°	447.4	449.1	534.2	567.6	627.7	816.4	1542.6	3993.5	6050.3	6352.5
80°	379.0	358.9	357.3	457.4	472.5	509.2	689.5	1379.0	2167.0	1313.9
82.5°	315.5	293.8	265.5	357.3	322.2	312.2	298.8	561.0	689.5	338.9
85°	220.4	210.4	200.3	233.7	183.6	156.9	143.6	262.1	290.5	143.6
87.5°	95.2	98.5	100.2	103.5	76.8	55.1	55.1	73.5	73.5	56.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3502.6
3524.4
3609.5
3754.7
3925.0
4093.7
4272.3
4407.5
4517.7
4621.2
4738.1
4860.0
4995.2
5197.2
5437.6
5721.4
6070.4
6441.0
6831.7
7265.7
7704.8
8132.2
8564.6
8993.7
9392.7
9698.2
10007.1
10371.0
10723.3
11165.7
9531.3
5666.3
993.4
288.8
126.9
41.7
0.0

OF REPORT)