

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: P949874

Luminaire Tested: **GALN-SB4C-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949874
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-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30908 lumens
Efficiency: N/A
Efficacy: 154.0 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



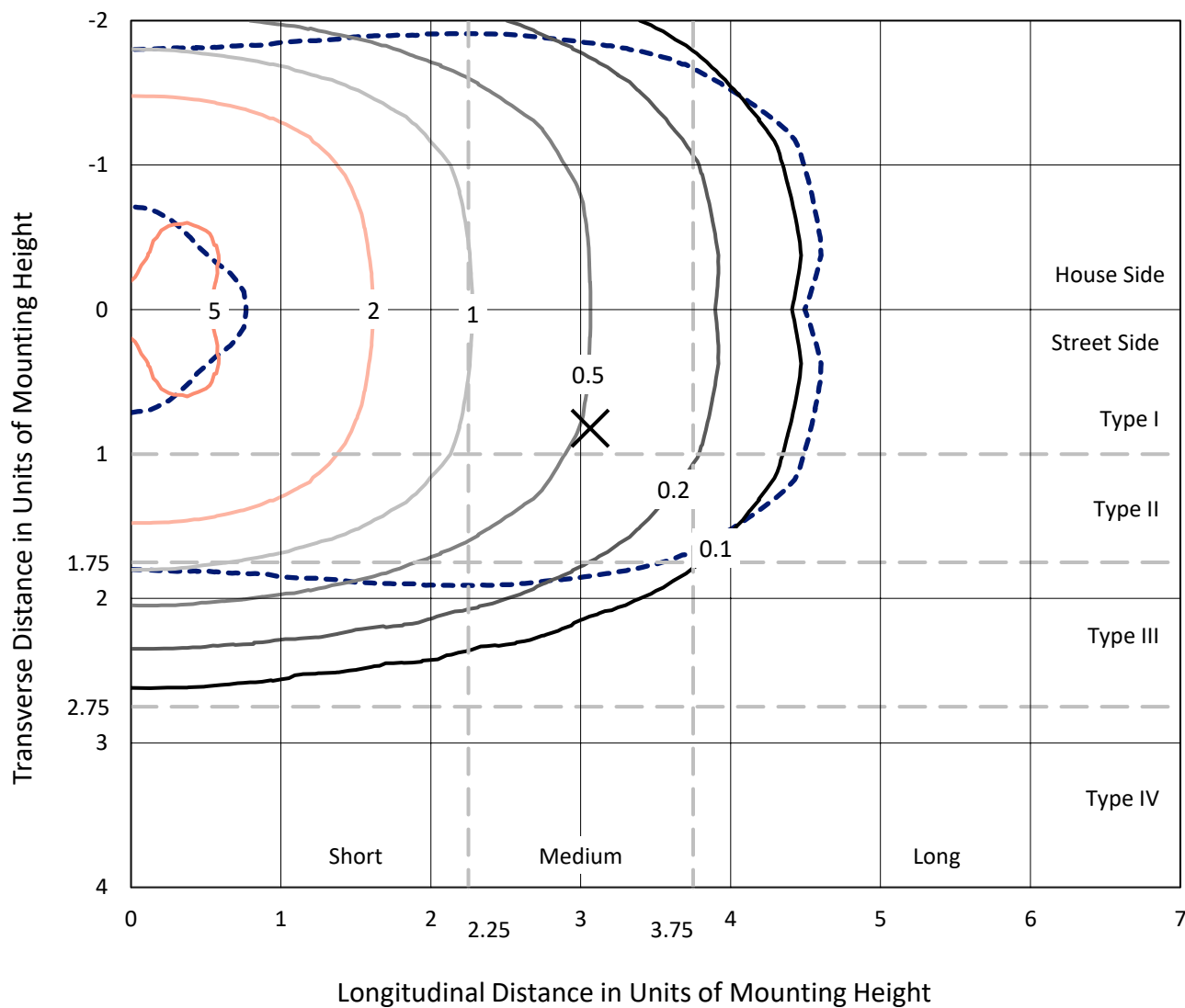
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

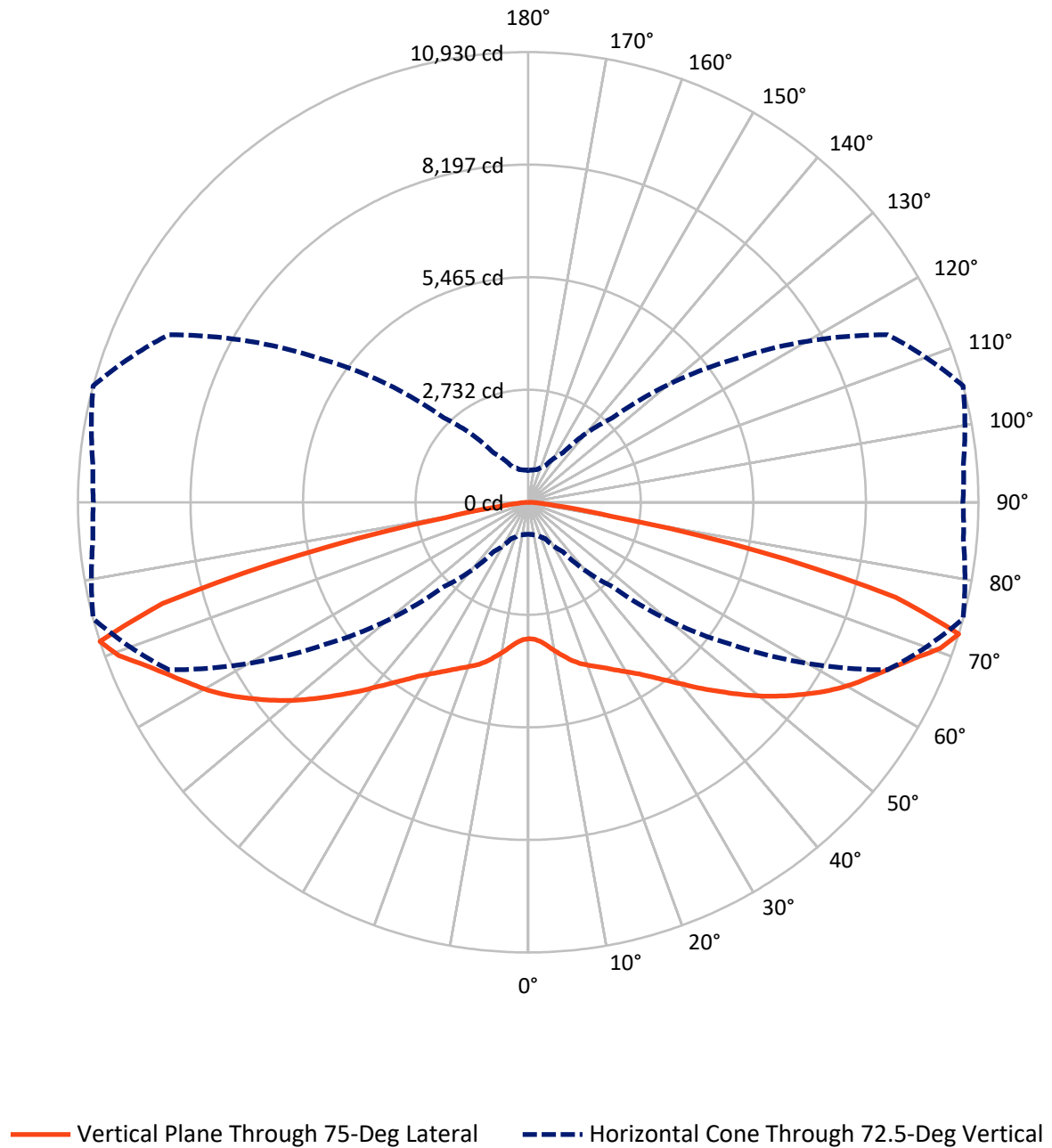


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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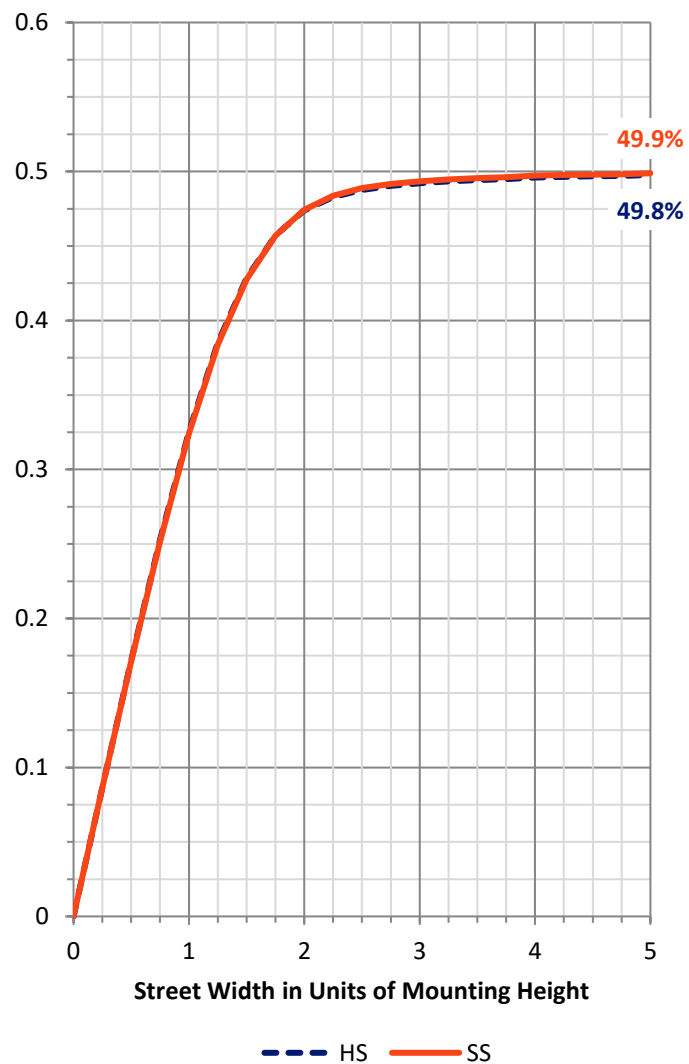
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15454.0	0.0	15454.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15454.0	0.0	15454.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30908.0	0.0	30908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.3	1.0
10°-20°	1069.7	3.5
20°-30°	2066.9	6.7
30°-40°	3490.1	11.3
40°-50°	5535.0	17.9
50°-60°	7410.7	24.0
60°-70°	7052.6	22.8
70°-80°	3680.1	11.9
80°-90°	278.6	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°	30908.0	100.0
0°-180°	30908.0	100.0

Coefficient of Utilization



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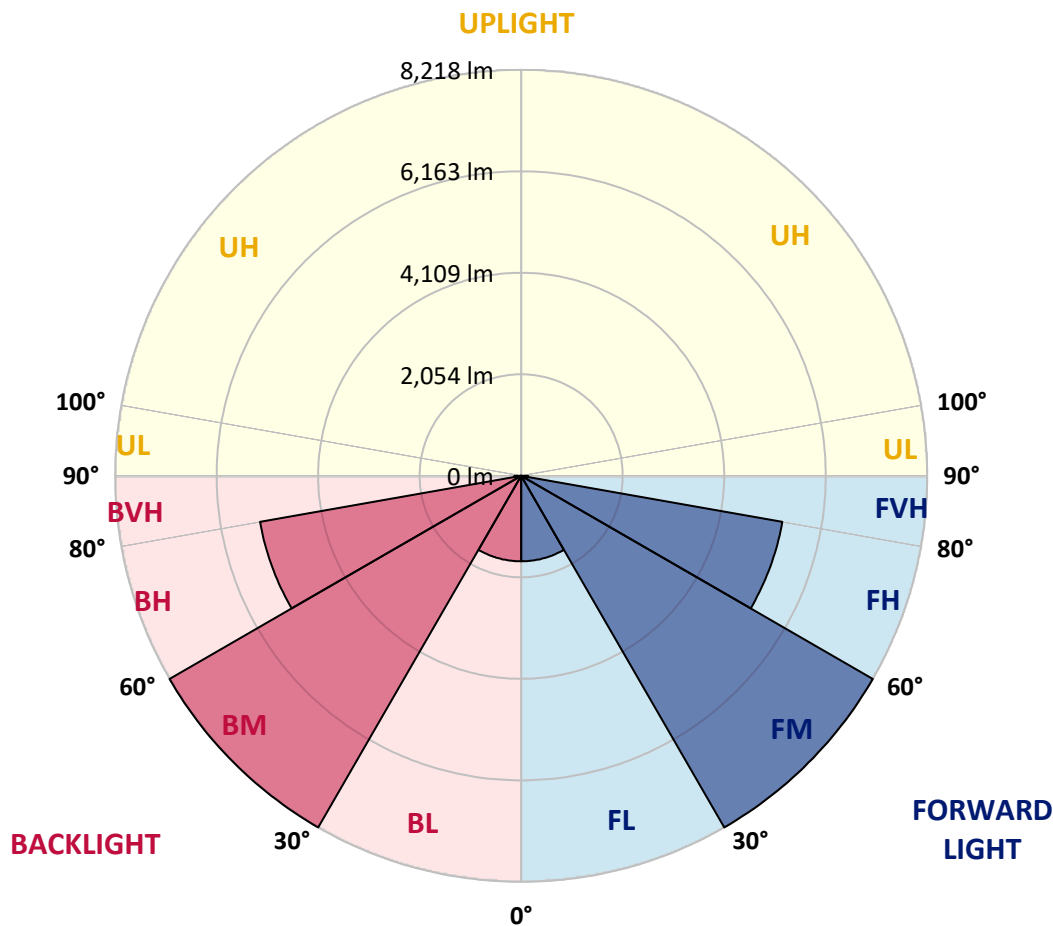
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1730.5	5.6			
FM	(30°-60°)	8217.9	26.6			
FH	(60°-80°)	5366.4	17.4			G3/7500
FVH	(80°-90°)	139.3	0.5			G2/225
BL	(0°-30°)	1730.5	5.6	B3/2500		
BM	(30°-60°)	8217.9	26.6	B4/8500		
BH	(60°-80°)	5366.4	17.4	B5		G5
BVH	(80°-90°)	139.3	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°	90°
0°	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8	3310.8
2.5°	3310.8	3307.6	3310.8	3314.0	3312.4	3312.4	3320.3	3325.0	3334.5	3332.9	3331.3
5°	3288.7	3287.1	3299.8	3314.0	3325.0	3343.9	3367.6	3385.0	3407.1	3411.8	3411.8
7.5°	3277.7	3272.9	3295.0	3320.3	3355.0	3402.3	3448.1	3495.4	3533.3	3545.9	3549.1
10°	3285.6	3287.1	3317.1	3364.5	3419.7	3486.0	3550.7	3631.1	3684.8	3697.4	3710.1
12.5°	3321.8	3318.7	3369.2	3444.9	3520.7	3604.3	3680.1	3768.4	3826.8	3856.8	3869.4
15°	3388.1	3381.8	3452.8	3564.9	3675.3	3773.2	3834.7	3918.4	3986.2	4024.1	4038.3
17.5°	3467.0	3470.2	3563.3	3708.5	3853.7	3964.1	4022.5	4065.1	4117.2	4150.3	4166.1
20°	3605.9	3612.2	3716.4	3888.4	4054.1	4180.3	4227.7	4211.9	4226.1	4251.3	4270.3
22.5°	3792.1	3795.3	3912.0	4098.3	4271.8	4410.7	4442.3	4377.6	4338.1	4355.5	4368.1
25°	4008.3	4028.8	4145.6	4336.5	4514.9	4647.4	4661.6	4563.8	4466.0	4470.7	4478.6
27.5°	4271.8	4290.8	4409.1	4598.5	4780.0	4895.2	4893.6	4762.6	4619.0	4582.7	4593.8
30°	4557.5	4578.0	4699.5	4895.2	5064.0	5165.0	5142.9	4986.7	4781.6	4713.7	4721.6
32.5°	4896.8	4909.4	5032.5	5228.2	5384.4	5464.9	5419.1	5226.6	4970.9	4893.6	4912.5
35°	5307.1	5326.0	5417.5	5602.2	5739.5	5805.7	5728.4	5501.2	5214.0	5127.2	5139.8
37.5°	5775.8	5763.1	5867.3	6031.4	6145.0	6186.1	6080.3	5810.5	5491.7	5389.1	5408.1
40°	6265.0	6258.6	6372.3	6530.1	6591.6	6616.9	6460.6	6165.5	5812.0	5701.6	5737.9
42.5°	6708.4	6703.7	6856.7	7031.9	7106.1	7077.7	6880.4	6542.7	6182.9	6056.6	6088.2
45°	7063.5	7057.1	7244.9	7491.1	7636.3	7589.0	7323.8	6959.3	6558.5	6427.5	6457.5
47.5°	7336.5	7339.6	7541.6	7846.2	8100.3	8117.6	7776.8	7383.8	6971.9	6823.6	6867.8
50°	7533.7	7543.2	7759.4	8097.1	8444.3	8597.3	8239.1	7819.4	7399.6	7232.3	7282.8
52.5°	7582.6	7600.0	7860.4	8256.5	8665.2	8957.2	8709.4	8237.5	7805.2	7645.8	7686.8
55°	7322.3	7357.0	7686.8	8243.9	8800.9	9193.9	9122.8	8662.1	8213.9	8049.8	8095.5
57.5°	6724.2	6773.1	7158.1	7885.6	8770.9	9356.4	9443.2	9069.2	8622.6	8464.8	8501.1
60°	5886.2	5944.6	6313.9	7107.6	8348.0	9416.4	9668.9	9465.3	8998.2	8845.1	8878.2
62.5°	4622.2	4697.9	5139.8	6070.9	7454.8	9137.1	9861.4	9823.5	9335.9	9144.9	9167.0
65°	2965.2	3045.7	3511.2	4611.1	6263.4	8281.7	9921.4	10172.3	9692.5	9425.8	9459.0
67.5°	1788.0	1824.3	2054.7	2794.8	4578.0	6992.4	9413.2	10558.9	10109.1	9777.7	9803.0
70°	1144.1	1164.6	1301.9	1641.2	2588.0	5101.9	8153.9	10631.5	10614.1	10139.1	10136.0
72.5°	776.4	782.7	819.0	972.1	1464.5	2898.9	6014.0	9624.7	10929.7	10604.7	10554.2
75°	568.1	602.8	661.2	688.0	831.6	1448.7	3446.5	6762.0	9211.2	9353.2	9009.2
77.5°	422.9	424.5	505.0	536.5	593.4	771.7	1458.1	3774.8	5718.9	6004.6	5356.0
80°	358.2	339.3	337.7	432.4	446.6	481.3	651.7	1303.5	2048.3	1241.9	939.0
82.5°	298.3	277.7	250.9	337.7	304.6	295.1	282.5	530.2	651.7	320.3	273.0
85°	208.3	198.8	189.4	220.9	173.6	148.3	135.7	247.8	274.6	135.7	119.9
87.5°	90.0	93.1	94.7	97.8	72.6	52.1	52.1	69.4	69.4	53.7	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)