

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: P950147

Luminaire Tested: **GALN-SB4C-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950147
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-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 22397 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

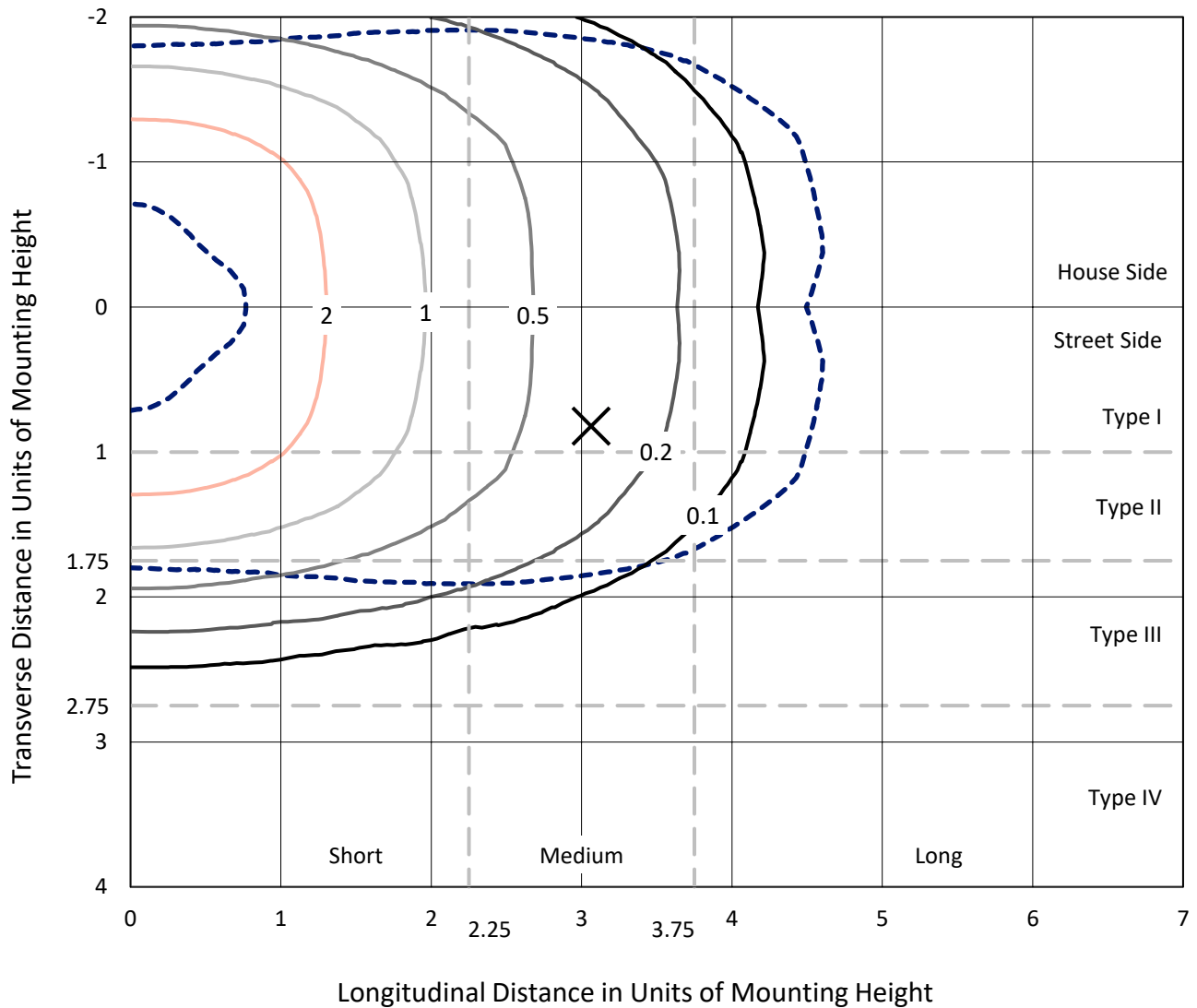
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

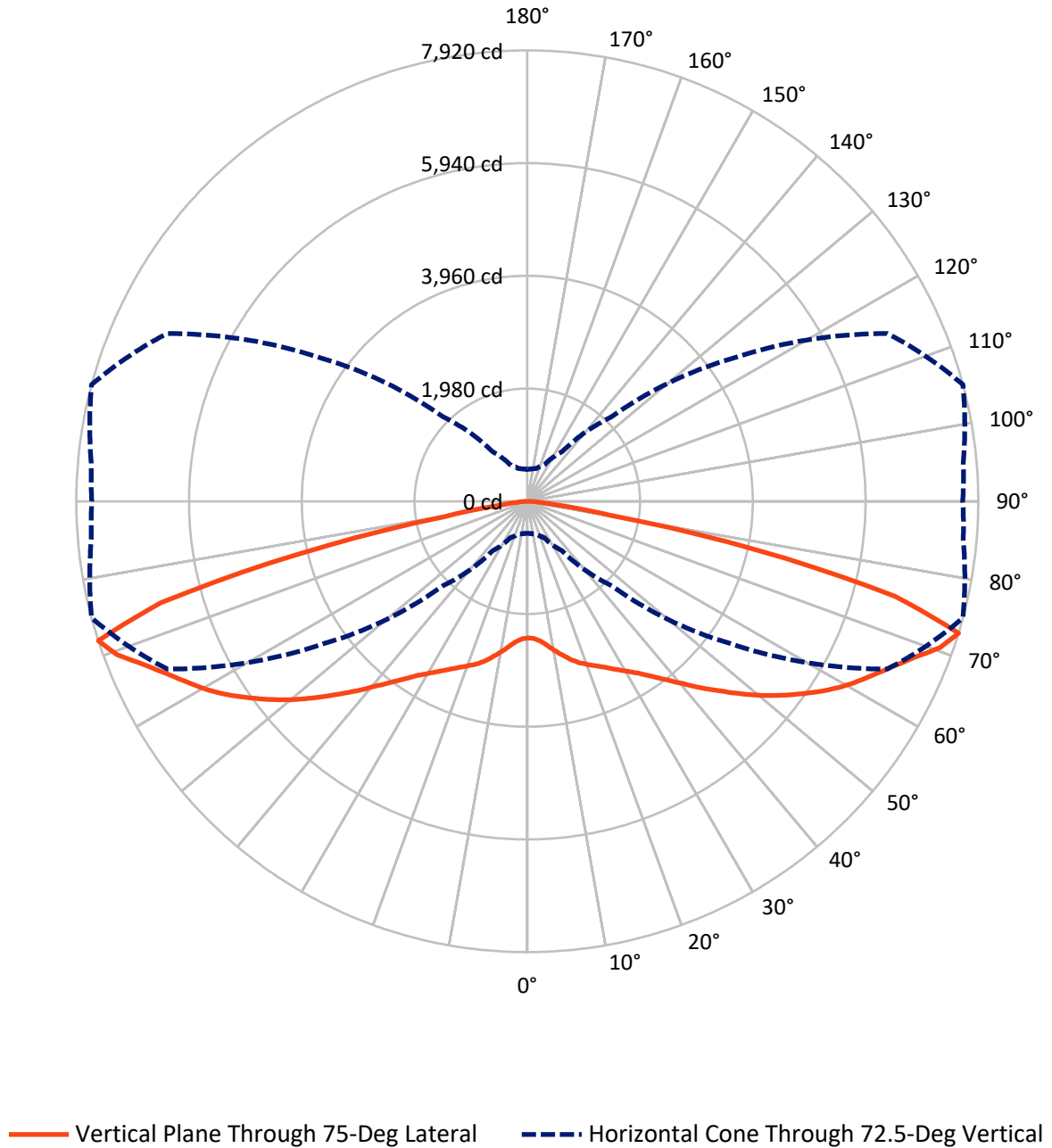
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P950147
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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11198.5	0.0	11198.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11198.5	0.0	11198.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22397.0	0.0	22397.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	1.0
10°-20°	775.1	3.5
20°-30°	1497.8	6.7
30°-40°	2529.1	11.3
40°-50°	4010.8	17.9
50°-60°	5370.0	24.0
60°-70°	5110.5	22.8
70°-80°	2666.8	11.9
80°-90°	201.9	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°	22397.0	100.0
0°-180°	22397.0	100.0



REPORT NUMBER: P950147

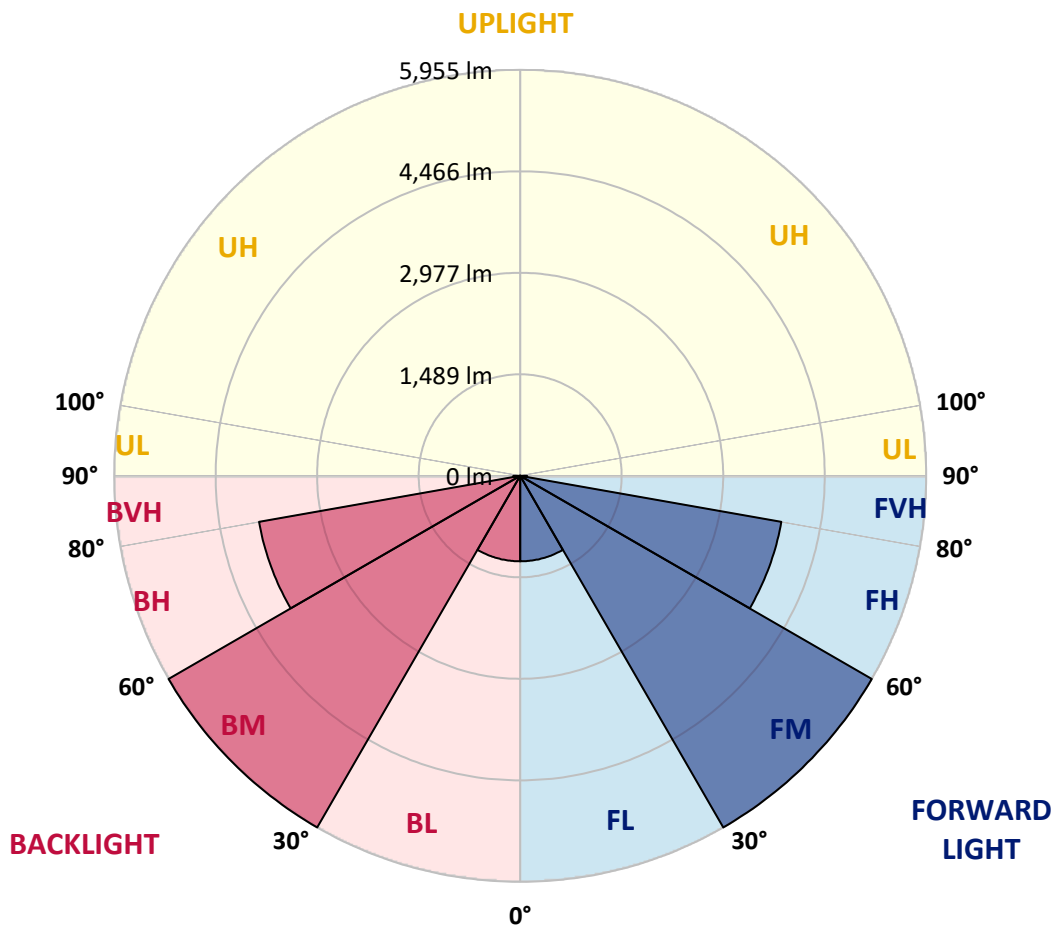
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1254.0	5.6			
FM (30°-60°)	5955.0	26.6			
FH (60°-80°)	3888.7	17.4			G2/5000
FVH (80°-90°)	100.9	0.5			G2/225
BL (0°-30°)	1254.0	5.6	B3/2500		
BM (30°-60°)	5955.0	26.6	B4/8500		
BH (60°-80°)	3888.7	17.4	B4/5000		G4/5000
BVH (80°-90°)	100.9	0.5			G2/225
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°	2399.1	2399.1	2399.1	2399.1	2399.1	2399.1	2399.1	2399.1	2399.1	2399.1
2.5°	2399.1	2396.8	2399.1	2401.4	2400.3	2400.3	2406.0	2409.4	2416.3	2415.1
5°	2383.1	2382.0	2391.1	2401.4	2409.4	2423.1	2440.3	2452.9	2468.9	2472.3
7.5°	2375.1	2371.7	2387.7	2406.0	2431.1	2465.4	2498.6	2532.9	2560.4	2569.5
10°	2380.8	2382.0	2403.7	2438.0	2478.0	2526.1	2572.9	2631.3	2670.1	2679.3
12.5°	2407.1	2404.8	2441.4	2496.3	2551.2	2611.8	2666.7	2730.7	2773.1	2794.8
15°	2455.2	2450.6	2502.0	2583.2	2663.3	2734.2	2778.8	2839.4	2888.5	2916.0
17.5°	2512.3	2514.6	2582.1	2687.3	2792.5	2872.5	2914.9	2945.7	2983.5	3007.5
20°	2613.0	2617.5	2693.0	2817.7	2937.7	3029.2	3063.5	3052.1	3062.4	3080.7
22.5°	2747.9	2750.2	2834.8	2969.7	3095.5	3196.2	3219.0	3172.1	3143.6	3156.1
25°	2904.6	2919.4	3004.0	3142.4	3271.6	3367.7	3378.0	3307.1	3236.2	3239.6
27.5°	3095.5	3109.2	3195.0	3332.2	3463.7	3547.2	3546.1	3451.2	3347.1	3320.8
30°	3302.5	3317.4	3405.4	3547.2	3669.6	3742.8	3726.8	3613.5	3464.9	3415.7
32.5°	3548.4	3557.5	3646.7	3788.5	3901.7	3960.0	3926.9	3787.4	3602.1	3546.1
35°	3845.7	3859.4	3925.7	4059.5	4159.0	4207.0	4151.0	3986.3	3778.2	3715.3
37.5°	4185.3	4176.2	4251.6	4370.6	4452.9	4482.6	4406.0	4210.5	3979.5	3905.1
40°	4539.8	4535.2	4617.6	4731.9	4776.5	4794.8	4681.6	4467.8	4211.6	4131.6
42.5°	4861.1	4857.7	4968.6	5095.6	5149.3	5128.7	4985.8	4741.1	4480.3	4388.9
45°	5118.4	5113.9	5249.9	5428.3	5533.5	5499.2	5307.1	5043.0	4752.5	4657.6
47.5°	5316.3	5318.5	5464.9	5685.6	5869.7	5882.3	5635.3	5350.6	5052.1	4944.6
50°	5459.2	5466.1	5622.7	5867.4	6119.0	6229.9	5970.4	5666.2	5362.0	5240.8
52.5°	5494.6	5507.2	5695.9	5982.9	6279.1	6490.7	6311.1	5969.2	5655.9	5540.4
55°	5306.0	5331.1	5570.1	5973.8	6377.5	6662.2	6610.7	6276.8	5952.1	5833.1
57.5°	4872.6	4908.0	5187.0	5714.2	6355.7	6780.0	6842.9	6571.8	6248.2	6133.9
60°	4265.4	4307.7	4575.3	5150.4	6049.3	6823.4	7006.4	6858.9	6520.4	6409.5
62.5°	3349.4	3404.3	3724.5	4399.1	5402.0	6621.0	7145.9	7118.5	6765.1	6626.7
65°	2148.7	2207.0	2544.3	3341.4	4538.7	6001.2	7189.4	7371.2	7023.5	6830.3
67.5°	1295.6	1321.9	1488.9	2025.2	3317.4	5067.0	6821.1	7651.3	7325.4	7085.3
70°	829.1	843.9	943.4	1189.3	1875.4	3697.0	5908.6	7703.9	7691.4	7347.2
72.5°	562.6	567.2	593.5	704.4	1061.2	2100.7	4358.0	6974.4	7920.1	7684.5
75°	411.7	436.8	479.1	498.6	602.6	1049.8	2497.5	4900.0	6674.8	6777.7
77.5°	306.5	307.6	365.9	388.8	430.0	559.2	1056.6	2735.3	4144.1	4351.1
80°	259.6	245.9	244.7	313.3	323.6	348.8	472.3	944.6	1484.3	900.0
82.5°	216.1	201.3	181.8	244.7	220.7	213.8	204.7	384.2	472.3	232.1
85°	150.9	144.1	137.2	160.1	125.8	107.5	98.3	179.5	199.0	98.3
87.5°	65.2	67.5	68.6	70.9	52.6	37.7	37.7	50.3	50.3	38.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2399.1
2414.0
2472.3
2571.8
2688.4
2803.9
2926.3
3018.9
3094.4
3165.3
3245.3
3328.8
3421.4
3559.8
3724.5
3918.9
4157.9
4411.7
4679.3
4976.6
5277.4
5570.1
5866.3
6160.2
6433.5
6642.7
6854.3
7103.6
7344.9
7647.9
6528.4
3881.1
680.4
197.8
86.9
28.6
0.0

OF REPORT)