

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: P951575

Luminaire Tested: **GALN-SB5C-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951575
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-SB5C-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 28229 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

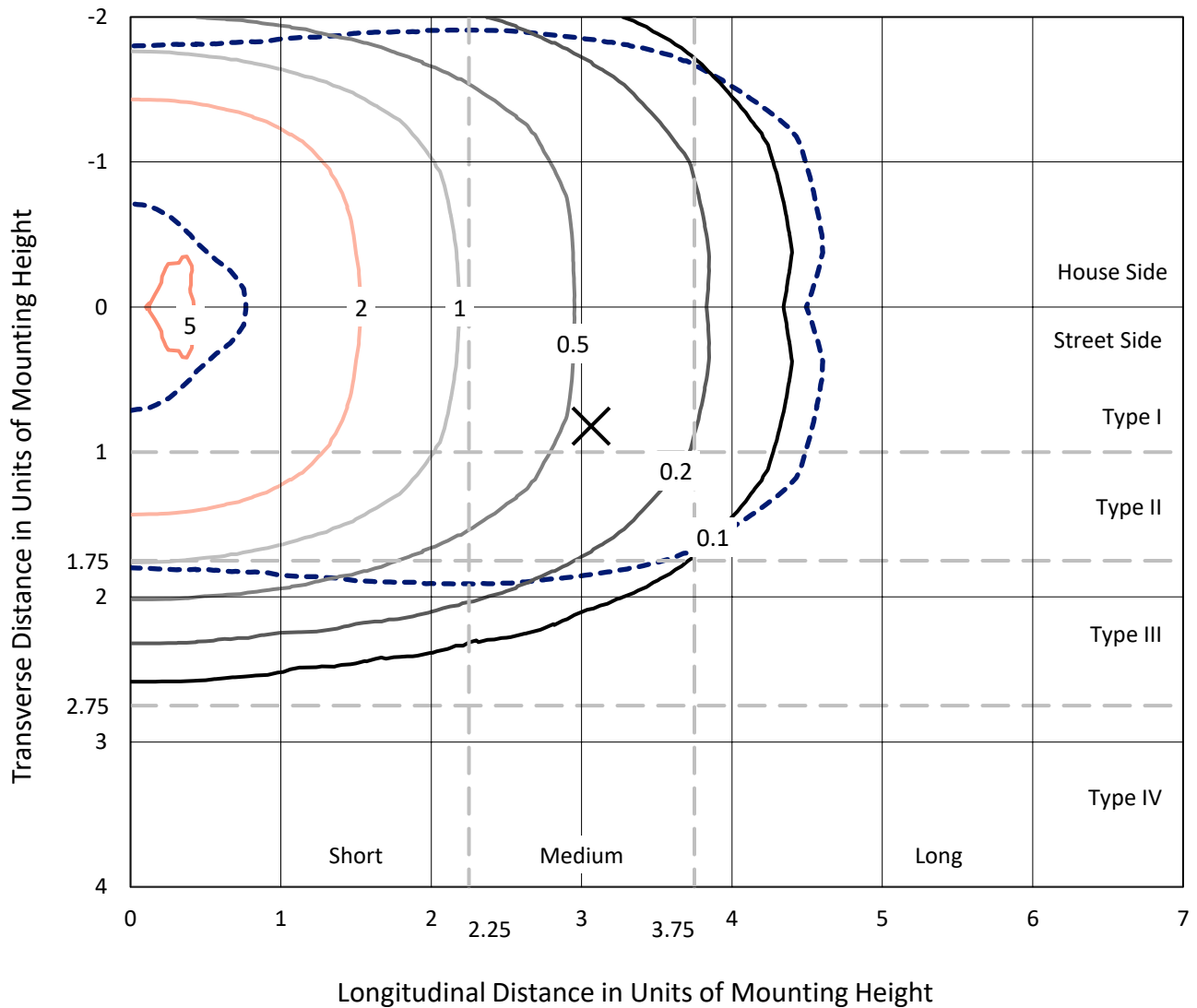
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

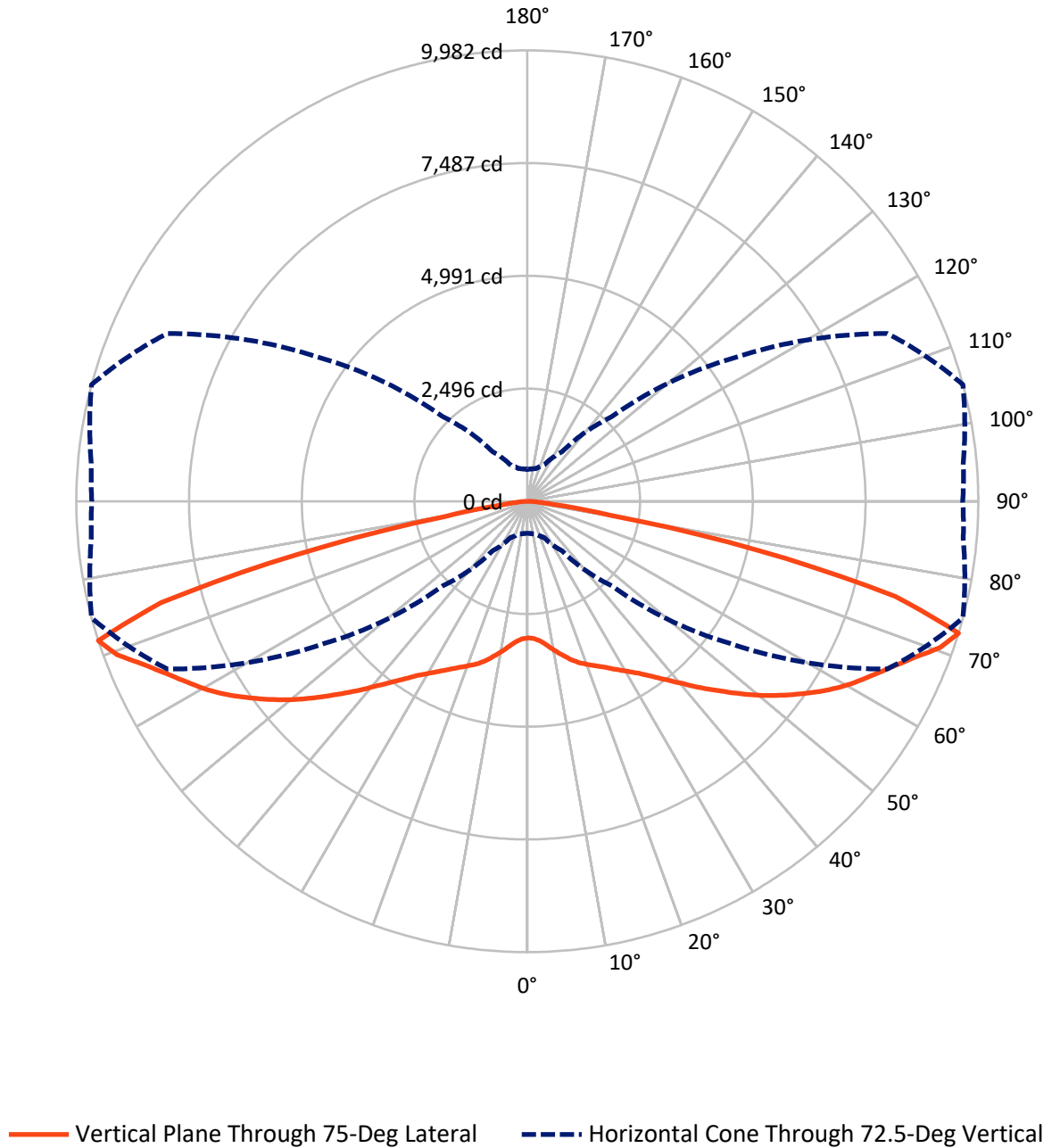
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	14114.5	0.0	14114.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14114.5	0.0	14114.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28229.0	0.0	28229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.2	1.0
10°-20°	977.0	3.5
20°-30°	1887.8	6.7
30°-40°	3187.6	11.3
40°-50°	5055.2	17.9
50°-60°	6768.3	24.0
60°-70°	6441.3	22.8
70°-80°	3361.2	11.9
80°-90°	254.4	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°	28229.0	100.0
0°-180°	28229.0	100.0

Coefficient of Utilization



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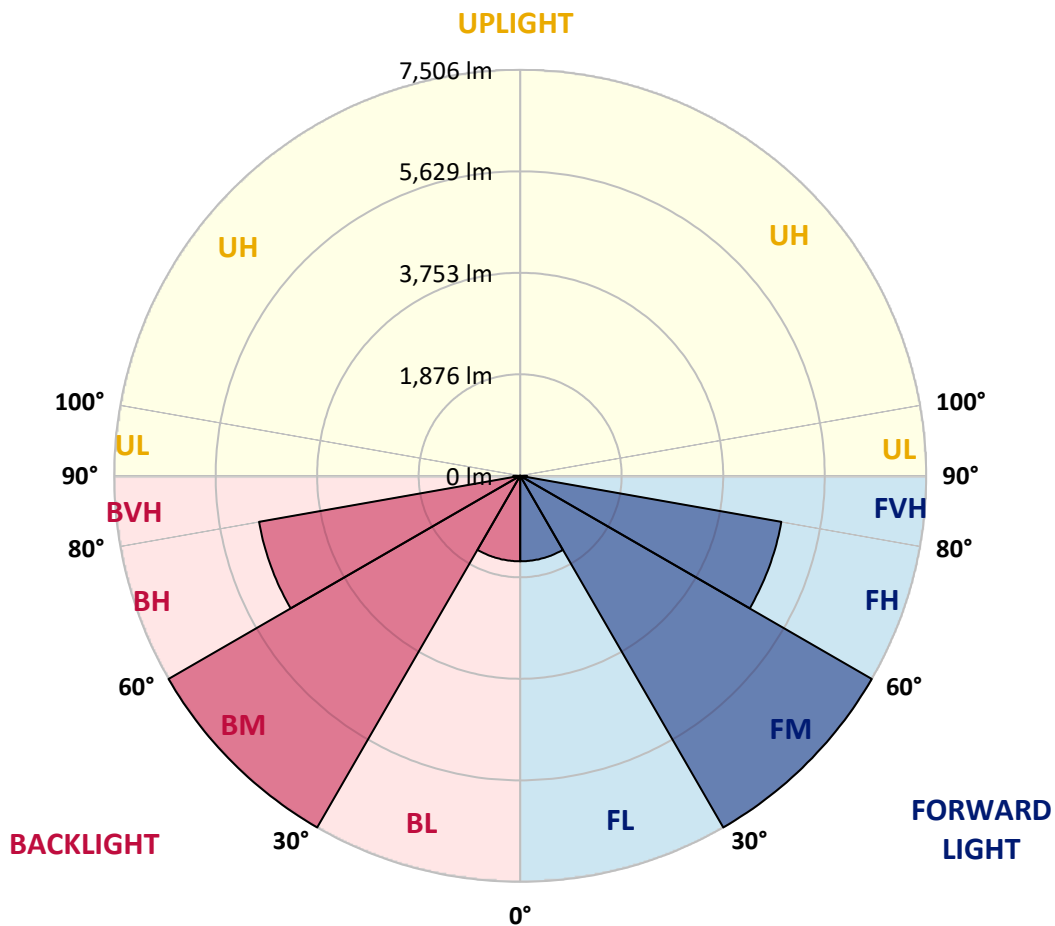
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1580.5	5.6			
FM (30°-60°)	7505.6	26.6			
FH (60°-80°)	4901.2	17.4			G2/5000
FVH (80°-90°)	127.2	0.5			G2/225
BL (0°-30°)	1580.5	5.6	B3/2500		
BM (30°-60°)	7505.6	26.6	B4/8500		
BH (60°-80°)	4901.2	17.4	B4/5000		G4/5000
BVH (80°-90°)	127.2	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°	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8	3023.8
2.5°	3023.8	3020.9	3023.8	3026.7	3025.3	3025.3	3032.5	3036.8	3045.5	3044.0
5°	3003.7	3002.2	3013.7	3026.7	3036.8	3054.1	3075.7	3091.6	3111.8	3116.1
7.5°	2993.6	2989.2	3009.4	3032.5	3064.2	3107.4	3149.2	3192.5	3227.1	3238.6
10°	3000.8	3002.2	3029.6	3072.8	3123.3	3183.8	3242.9	3316.4	3365.4	3376.9
12.5°	3033.9	3031.0	3077.2	3146.3	3215.5	3291.9	3361.1	3441.8	3495.1	3522.5
15°	3094.5	3088.7	3153.5	3255.9	3356.8	3446.1	3502.3	3578.7	3640.7	3675.3
17.5°	3166.5	3169.4	3254.4	3387.0	3519.6	3620.5	3673.9	3712.8	3760.3	3790.6
20°	3293.4	3299.1	3394.2	3551.3	3702.7	3818.0	3861.2	3846.8	3859.8	3882.8
22.5°	3463.4	3466.3	3573.0	3743.0	3901.6	4028.4	4057.2	3998.1	3962.1	3978.0
25°	3660.9	3679.6	3786.3	3960.7	4123.5	4244.6	4257.6	4168.2	4078.9	4083.2
27.5°	3901.6	3918.9	4027.0	4199.9	4365.7	4470.9	4469.4	4349.8	4218.7	4185.5
30°	4162.5	4181.2	4292.2	4470.9	4625.1	4717.3	4697.2	4554.5	4367.1	4305.1
32.5°	4472.3	4483.9	4596.3	4775.0	4917.7	4991.2	4949.4	4773.6	4540.1	4469.4
35°	4847.1	4864.4	4948.0	5116.6	5242.0	5302.5	5231.9	5024.3	4762.0	4682.8
37.5°	5275.1	5263.6	5358.7	5508.6	5612.4	5649.9	5553.3	5306.8	5015.7	4922.0
40°	5721.9	5716.2	5819.9	5964.1	6020.3	6043.3	5900.7	5631.1	5308.3	5207.4
42.5°	6126.9	6122.6	6262.4	6422.4	6490.1	6464.2	6284.0	5975.6	5647.0	5531.7
45°	6451.2	6445.5	6617.0	6841.8	6974.4	6931.2	6689.0	6356.1	5990.0	5870.4
47.5°	6700.6	6703.5	6887.9	7166.1	7398.2	7414.0	7102.7	6743.8	6367.6	6232.1
50°	6880.7	6889.4	7086.8	7395.3	7712.4	7852.2	7525.0	7141.6	6758.2	6605.4
52.5°	6925.4	6941.3	7179.1	7540.8	7914.1	8180.8	7954.5	7523.5	7128.6	6983.1
55°	6687.6	6719.3	7020.5	7529.3	8038.1	8397.0	8332.1	7911.3	7501.9	7352.0
57.5°	6141.3	6186.0	6537.7	7202.1	8010.7	8545.4	8624.7	8283.1	7875.2	7731.1
60°	5376.0	5429.3	5766.6	6491.6	7624.4	8600.2	8830.8	8644.9	8218.2	8078.4
62.5°	4221.5	4290.7	4694.3	5544.7	6808.7	8345.1	9006.6	8972.0	8526.7	8352.3
65°	2708.2	2781.7	3206.9	4211.5	5720.5	7563.9	9061.4	9290.6	8852.4	8608.8
67.5°	1633.0	1666.1	1876.6	2552.5	4181.2	6386.4	8597.3	9643.7	9232.9	8930.2
70°	1044.9	1063.7	1189.1	1498.9	2363.7	4659.7	7447.2	9710.0	9694.1	9260.3
72.5°	709.1	714.9	748.0	887.8	1337.5	2647.7	5492.8	8790.4	9982.4	9685.5
75°	518.9	550.6	603.9	628.4	759.6	1323.1	3147.8	6175.9	8412.8	8542.5
77.5°	386.3	387.7	461.2	490.0	541.9	704.8	1331.8	3447.6	5223.2	5484.1
80°	327.2	309.9	308.4	394.9	407.9	439.6	595.3	1190.5	1870.8	1134.3
82.5°	272.4	253.7	229.2	308.4	278.2	269.5	258.0	484.3	595.3	292.6
85°	190.3	181.6	173.0	201.8	158.5	135.5	124.0	226.3	250.8	124.0
87.5°	82.2	85.0	86.5	89.4	66.3	47.6	47.6	63.4	63.4	49.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3023.8
3042.6
3116.1
3241.5
3388.5
3534.0
3688.3
3805.0
3900.1
3989.5
4090.4
4195.6
4312.3
4486.7
4694.3
4939.3
5240.5
5560.5
5897.8
6272.5
6651.6
7020.5
7393.8
7764.2
8108.7
8372.5
8639.1
8953.3
9257.4
9639.4
8228.3
4891.7
857.6
249.3
109.5
36.0
0.0

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