

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: P948551

Luminaire Tested: **GALN-SB3C-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948551
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-SB3C-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20120 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

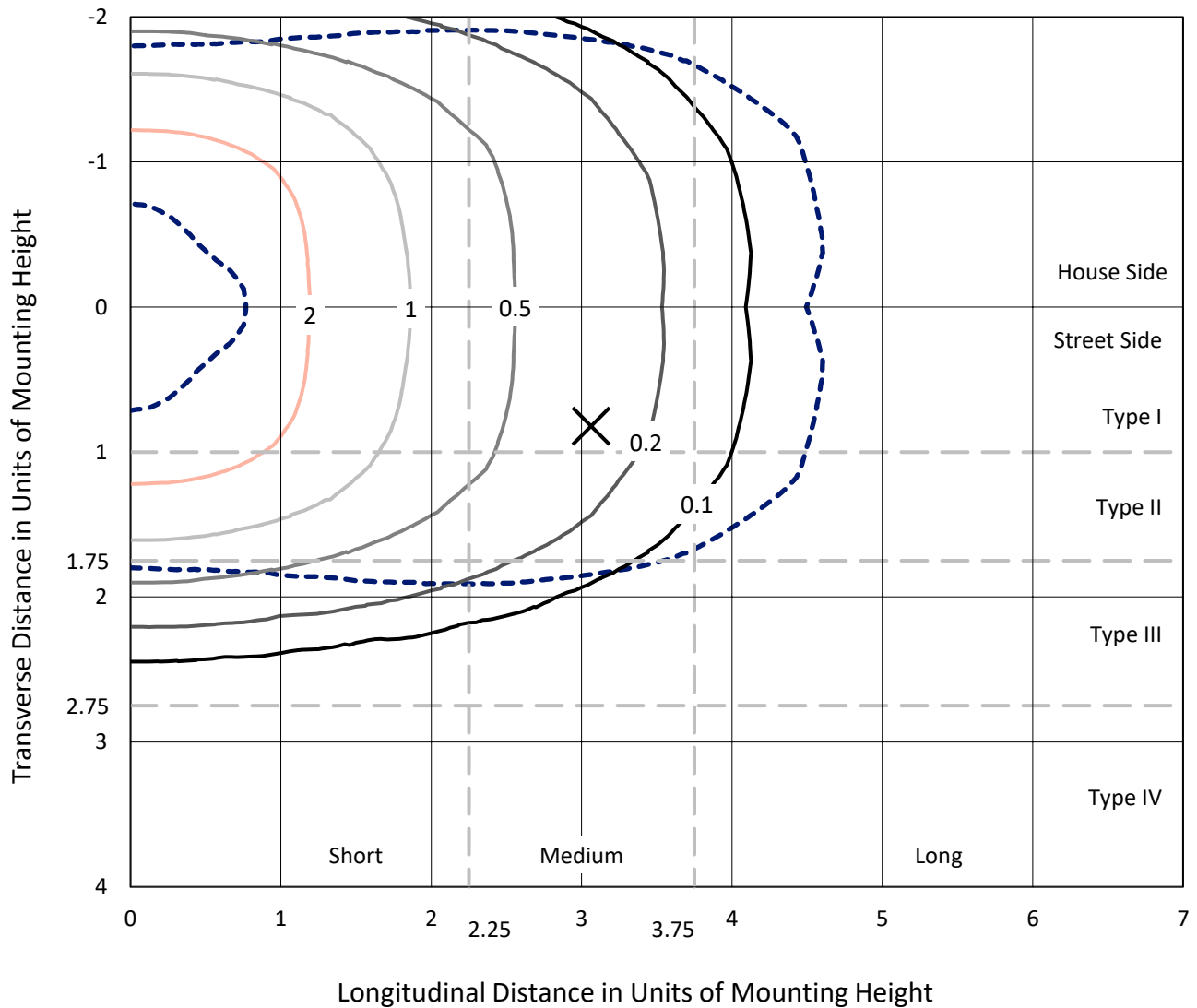
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

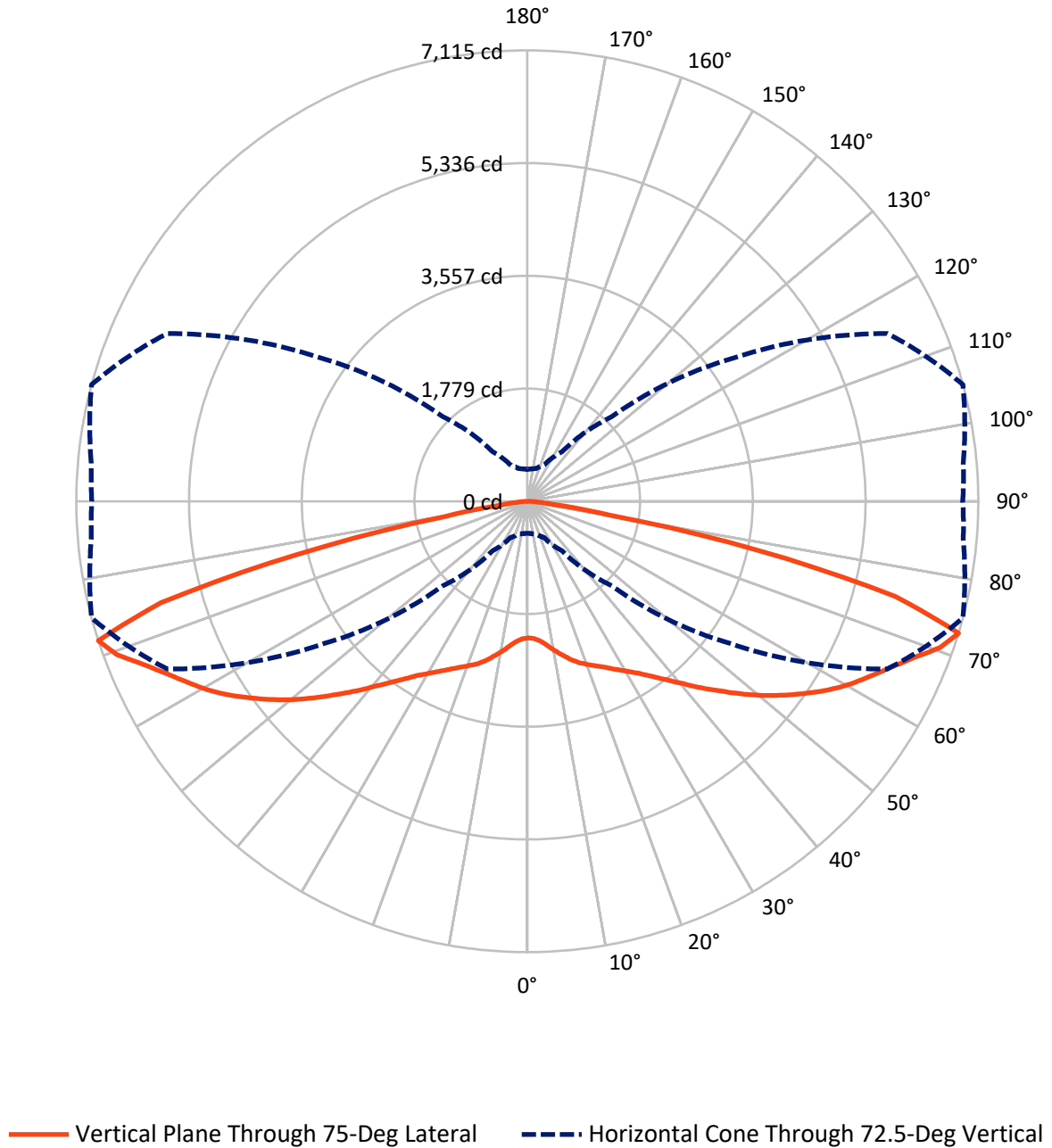
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	10060.0	0.0	10060.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10060.0	0.0	10060.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20120.0	0.0	20120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	1.0
10°-20°	696.3	3.5
20°-30°	1345.5	6.7
30°-40°	2271.9	11.3
40°-50°	3603.1	17.9
50°-60°	4824.1	24.0
60°-70°	4591.0	22.8
70°-80°	2395.7	11.9
80°-90°	181.3	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°	20120.0	100.0
0°-180°	20120.0	100.0

Coefficient of Utilization



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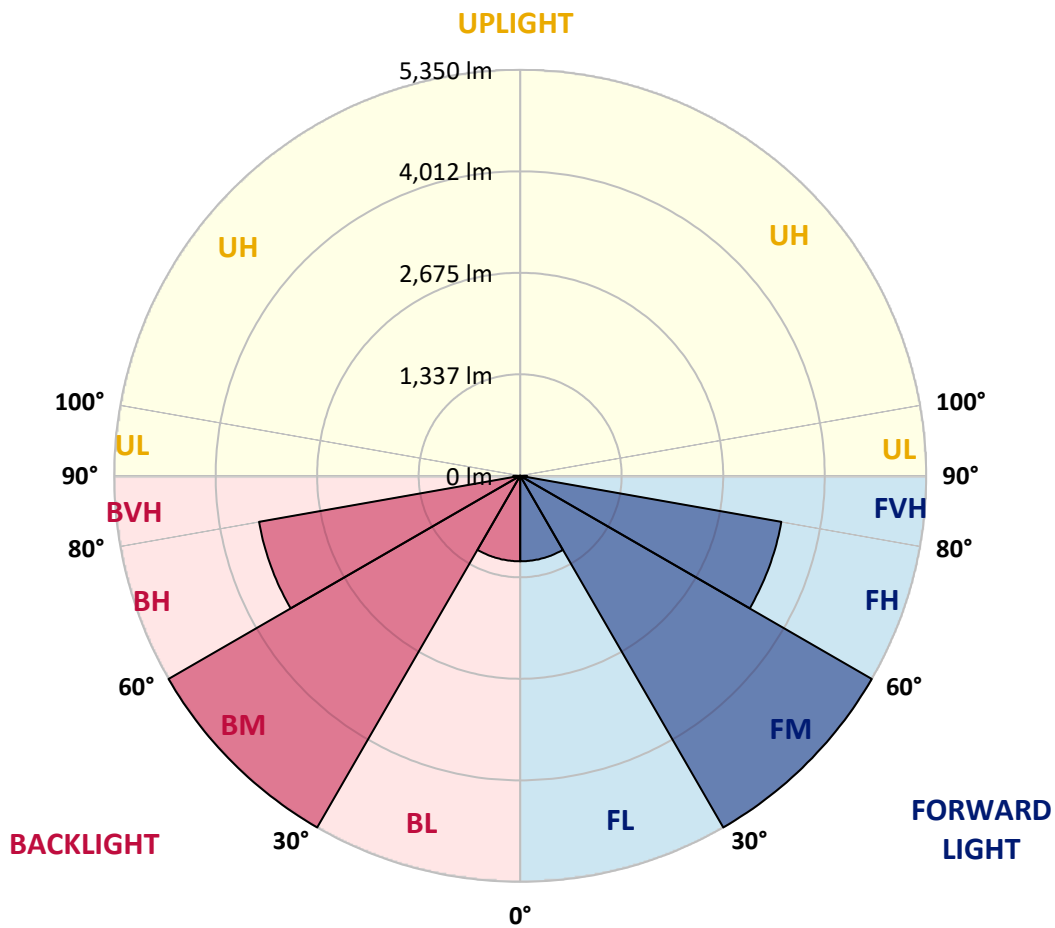
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1126.5	5.6			
FM (30°-60°)	5349.5	26.6			
FH (60°-80°)	3493.3	17.4			G2/5000
FVH (80°-90°)	90.7	0.5			G1/100
BL (0°-30°)	1126.5	5.6	B3/2500		
BM (30°-60°)	5349.5	26.6	B4/8500		
BH (60°-80°)	3493.3	17.4	B4/5000		G4/5000
BVH (80°-90°)	90.7	0.5			G1/100
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°	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2	2155.2
2.5°	2155.2	2153.2	2155.2	2157.3	2156.2	2156.2	2161.4	2164.5	2170.6	2169.6
5°	2140.8	2139.8	2148.0	2157.3	2164.5	2176.8	2192.2	2203.5	2217.9	2221.0
7.5°	2133.6	2130.6	2144.9	2161.4	2184.0	2214.8	2244.6	2275.4	2300.1	2308.3
10°	2138.8	2139.8	2159.3	2190.1	2226.1	2269.2	2311.4	2363.7	2398.7	2406.9
12.5°	2162.4	2160.3	2193.2	2242.5	2291.8	2346.3	2395.6	2453.1	2491.1	2510.6
15°	2205.5	2201.4	2247.7	2320.6	2392.5	2456.2	2496.3	2550.7	2594.9	2619.5
17.5°	2256.9	2259.0	2319.6	2414.1	2508.6	2580.5	2618.5	2646.2	2680.1	2701.7
20°	2347.3	2351.4	2419.2	2531.2	2639.1	2721.2	2752.1	2741.8	2751.0	2767.5
22.5°	2468.5	2470.6	2546.6	2667.8	2780.8	2871.2	2891.8	2849.6	2824.0	2835.3
25°	2609.3	2622.6	2698.6	2822.9	2939.0	3025.3	3034.6	2970.9	2907.2	2910.3
27.5°	2780.8	2793.1	2870.2	2993.5	3111.6	3186.6	3185.6	3100.3	3006.8	2983.2
30°	2966.8	2980.1	3059.2	3186.6	3296.5	3362.3	3347.9	3246.2	3112.6	3068.5
32.5°	3187.6	3195.8	3276.0	3403.3	3505.0	3557.4	3527.6	3402.3	3235.9	3185.6
35°	3454.7	3467.0	3526.6	3646.8	3736.2	3779.3	3729.0	3581.1	3394.1	3337.6
37.5°	3759.8	3751.6	3819.4	3926.2	4000.2	4026.9	3958.1	3782.4	3574.9	3508.1
40°	4078.3	4074.2	4148.1	4250.8	4290.9	4307.3	4205.6	4013.5	3783.4	3711.5
42.5°	4366.9	4363.8	4463.5	4577.5	4625.8	4607.3	4478.9	4259.1	4024.8	3942.7
45°	4598.1	4594.0	4716.2	4876.5	4971.0	4940.1	4767.6	4530.3	4269.3	4184.1
47.5°	4775.8	4777.8	4909.3	5107.6	5273.0	5284.3	5062.4	4806.6	4538.5	4441.9
50°	4904.2	4910.3	5051.1	5270.9	5496.9	5596.6	5363.4	5090.1	4816.9	4708.0
52.5°	4936.0	4947.3	5116.8	5374.7	5640.7	5830.8	5669.5	5362.3	5080.9	4977.1
55°	4766.5	4789.1	5003.8	5366.5	5729.1	5984.9	5938.6	5638.7	5346.9	5240.1
57.5°	4377.2	4409.0	4659.7	5133.3	5709.6	6090.7	6147.2	5903.7	5613.0	5510.3
60°	3831.7	3869.7	4110.1	4626.8	5434.3	6129.7	6294.1	6161.6	5857.5	5757.8
62.5°	3008.9	3058.2	3345.8	3951.9	4852.8	5947.9	6419.4	6394.8	6077.3	5953.0
65°	1930.2	1982.6	2285.7	3001.7	4077.2	5391.1	6458.4	6621.8	6309.5	6135.9
67.5°	1163.9	1187.5	1337.5	1819.3	2980.1	4551.8	6127.7	6873.5	6580.7	6365.0
70°	744.8	758.1	847.5	1068.4	1684.7	3321.2	5307.9	6920.7	6909.4	6600.2
72.5°	505.4	509.5	533.2	632.8	953.3	1887.1	3914.9	6265.3	7114.9	6903.3
75°	369.8	392.4	430.4	447.9	541.4	943.0	2243.6	4401.9	5996.2	6088.6
77.5°	275.3	276.3	328.7	349.3	386.3	502.3	949.2	2457.2	3722.8	3908.8
80°	233.2	220.9	219.8	281.5	290.7	313.3	424.3	848.5	1333.4	808.5
82.5°	194.2	180.8	163.3	219.8	198.3	192.1	183.9	345.2	424.3	208.5
85°	135.6	129.4	123.3	143.8	113.0	96.6	88.3	161.3	178.7	88.3
87.5°	58.6	60.6	61.6	63.7	47.3	33.9	33.9	45.2	45.2	34.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2155.2
2168.6
2221.0
2310.3
2415.1
2518.9
2628.8
2712.0
2779.8
2843.5
2915.4
2990.4
3073.6
3197.9
3345.8
3520.5
3735.2
3963.2
4203.6
4470.7
4740.9
5003.8
5269.9
5533.9
5779.4
5967.4
6157.5
6381.4
6598.2
6870.4
5864.7
3486.6
611.2
177.7
78.1
25.7
0.0

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