

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: P949013

Luminaire Tested: **GALN-SB3D-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949013
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-SB3D-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19137 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

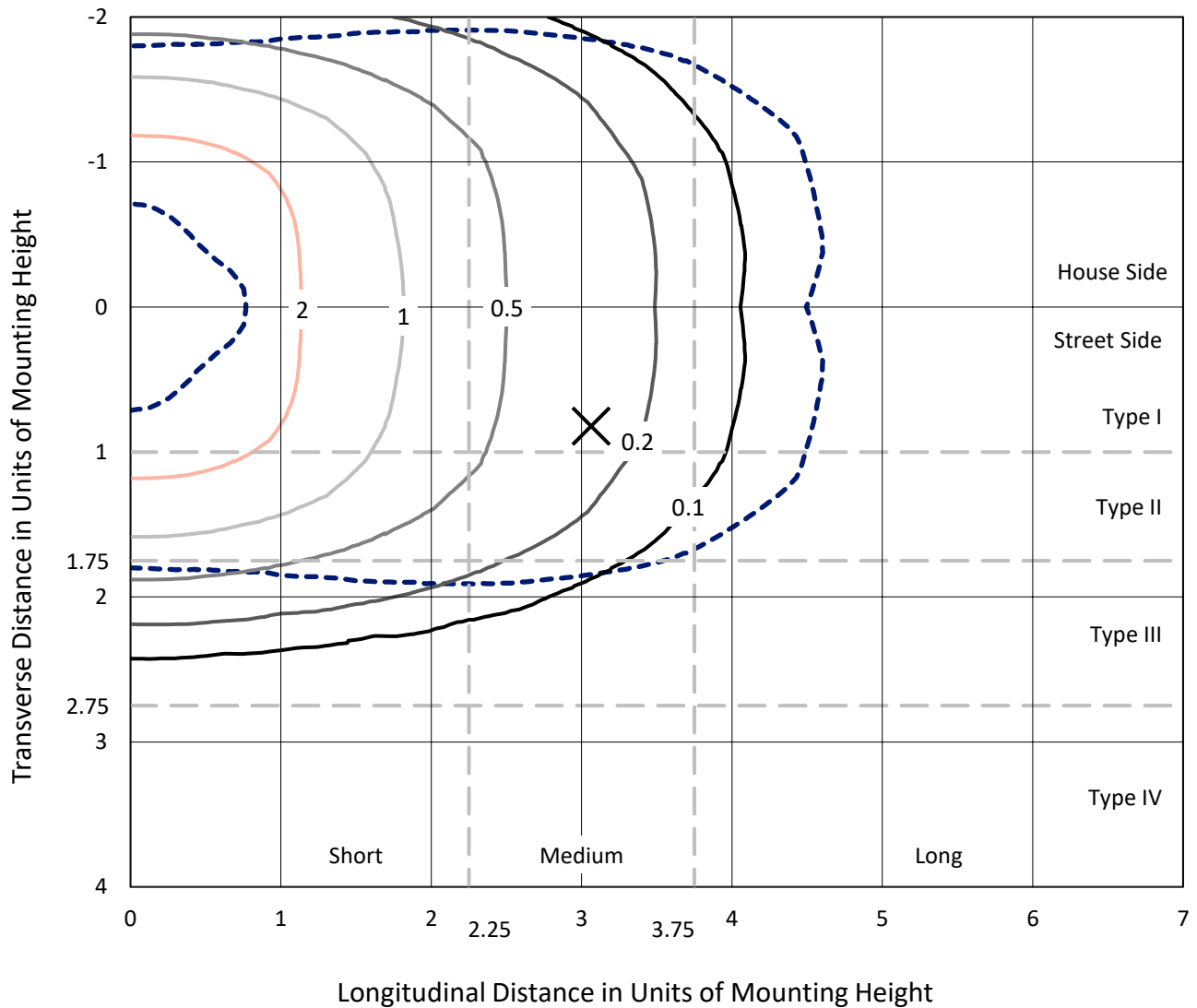
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

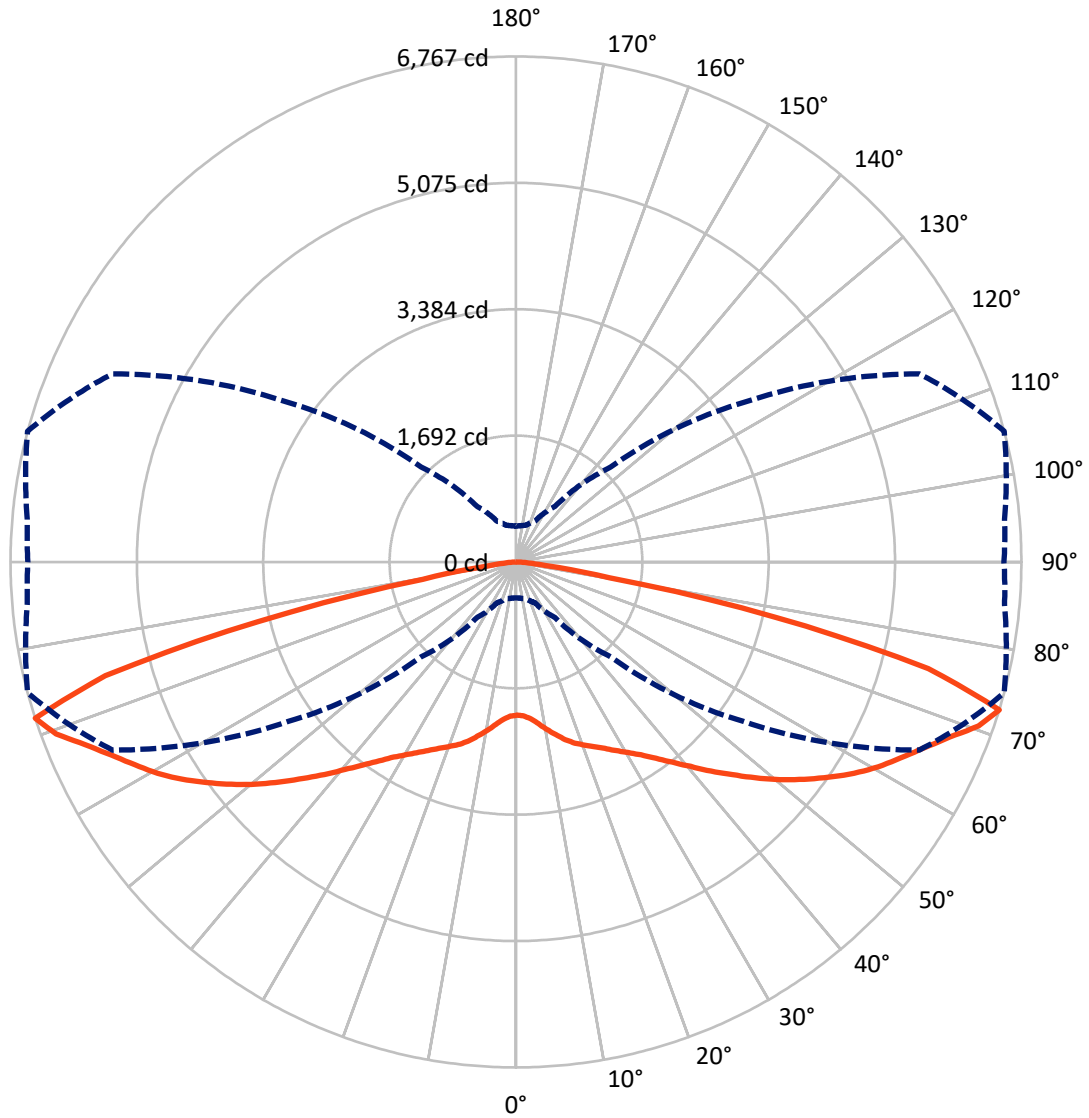
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9568.5	0.0	9568.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9568.5	0.0	9568.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19137.0	0.0	19137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.8	1.0
10°-20°	662.3	3.5
20°-30°	1279.8	6.7
30°-40°	2161.0	11.3
40°-50°	3427.0	17.9
50°-60°	4588.4	24.0
60°-70°	4366.7	22.8
70°-80°	2278.6	11.9
80°-90°	172.5	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°	19137.0	100.0
0°-180°	19137.0	100.0

Coefficient of Utilization



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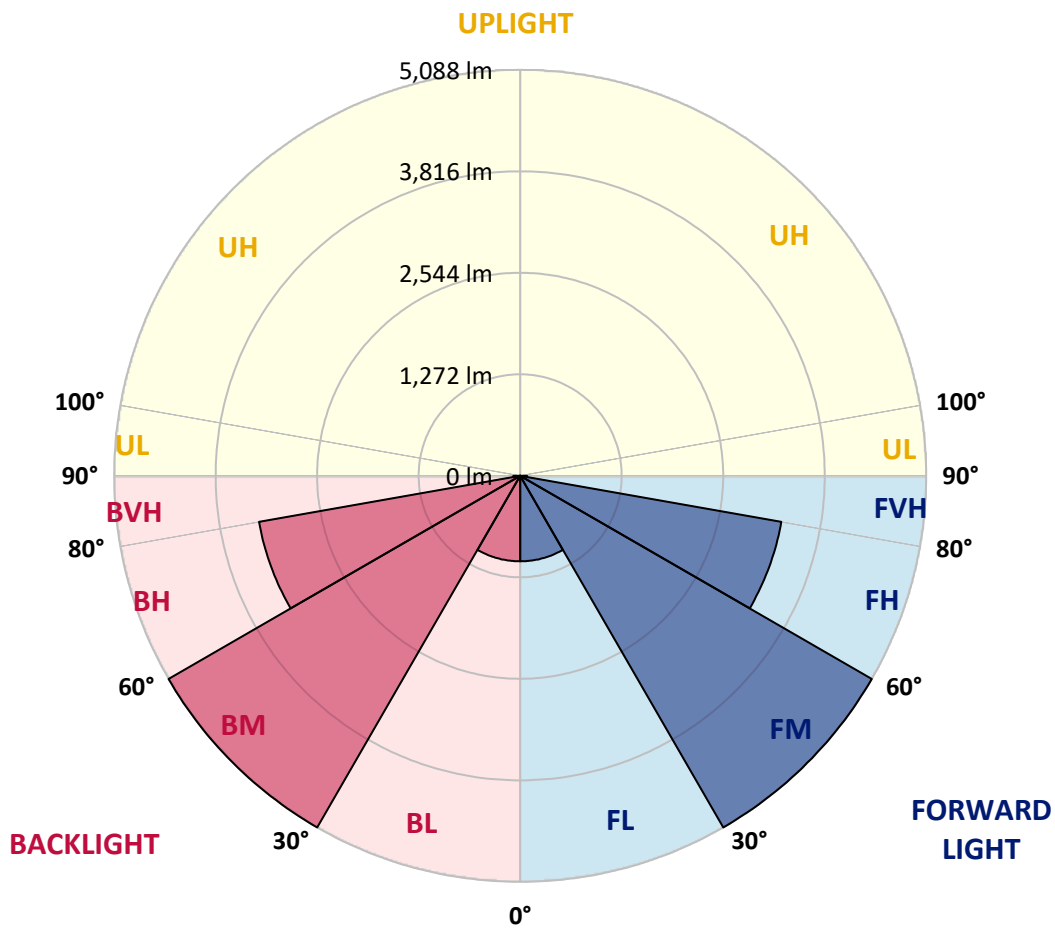
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1071.4	5.6			
FM (30°-60°)	5088.2	26.6			
FH (60°-80°)	3322.6	17.4			G2/5000
FVH (80°-90°)	86.2	0.5			G1/100
BL (0°-30°)	1071.4	5.6	B3/2500		
BM (30°-60°)	5088.2	26.6	B4/8500		
BH (60°-80°)	3322.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	86.2	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°	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9
2.5°	2049.9	2048.0	2049.9	2051.9	2050.9	2050.9	2055.8	2058.7	2064.6	2063.6
5°	2036.2	2035.3	2043.1	2051.9	2058.7	2070.4	2085.1	2095.8	2109.5	2112.4
7.5°	2029.4	2026.5	2040.1	2055.8	2077.3	2106.6	2134.9	2164.2	2187.7	2195.5
10°	2034.3	2035.3	2053.8	2083.1	2117.3	2158.4	2198.4	2248.3	2281.5	2289.3
12.5°	2056.8	2054.8	2086.1	2133.0	2179.9	2231.7	2278.6	2333.3	2369.4	2388.0
15°	2097.8	2093.9	2137.9	2207.2	2275.6	2336.2	2374.3	2426.1	2468.1	2491.6
17.5°	2146.6	2148.6	2206.2	2296.1	2386.0	2454.4	2490.6	2517.0	2549.2	2569.7
20°	2232.6	2236.5	2301.0	2407.5	2510.1	2588.3	2617.6	2607.8	2616.6	2632.3
22.5°	2347.9	2349.9	2422.2	2537.5	2645.0	2730.9	2750.5	2710.4	2686.0	2696.7
25°	2481.8	2494.5	2566.8	2685.0	2795.4	2877.5	2886.3	2825.7	2765.1	2768.1
27.5°	2645.0	2656.7	2730.0	2847.2	2959.6	3030.9	3029.9	2948.8	2859.9	2837.4
30°	2821.8	2834.5	2909.7	3030.9	3135.5	3198.0	3184.3	3087.6	2960.6	2918.5
32.5°	3031.9	3039.7	3115.9	3237.1	3333.8	3383.6	3355.3	3236.1	3077.8	3029.9
35°	3285.9	3297.6	3354.3	3468.6	3553.6	3594.7	3546.8	3406.1	3228.3	3174.5
37.5°	3576.1	3568.3	3632.8	3734.4	3804.8	3830.2	3764.7	3597.6	3400.2	3336.7
40°	3879.0	3875.1	3945.5	4043.2	4081.3	4096.9	4000.2	3817.5	3598.6	3530.2
42.5°	4153.6	4150.6	4245.4	4353.9	4399.8	4382.2	4260.1	4051.0	3828.2	3750.0
45°	4373.4	4369.5	4485.8	4638.2	4728.1	4698.8	4534.6	4308.9	4060.7	3979.6
47.5°	4542.4	4544.4	4669.5	4858.0	5015.4	5026.1	4815.1	4571.8	4316.7	4224.9
50°	4664.6	4670.4	4804.3	5013.4	5228.4	5323.1	5101.3	4841.4	4581.5	4478.0
52.5°	4694.9	4705.6	4866.8	5112.1	5365.2	5545.9	5392.5	5100.4	4832.6	4734.0
55°	4533.7	4555.2	4759.4	5104.3	5449.2	5692.5	5648.5	5363.2	5085.7	4984.1
57.5°	4163.3	4193.6	4432.0	4882.5	5430.6	5793.1	5846.9	5615.3	5338.8	5241.1
60°	3644.5	3680.7	3909.3	4400.8	5168.8	5830.2	5986.6	5860.5	5571.3	5476.5
62.5°	2861.9	2908.8	3182.4	3758.8	4615.7	5657.3	6105.8	6082.3	5780.4	5662.2
65°	1835.9	1885.8	2174.0	2855.0	3878.0	5127.7	6142.9	6298.3	6001.2	5836.1
67.5°	1107.0	1129.5	1272.2	1730.4	2834.5	4329.4	5828.3	6537.6	6259.2	6054.0
70°	708.4	721.1	806.1	1016.2	1602.4	3158.9	5048.6	6582.6	6571.8	6277.7
72.5°	480.7	484.6	507.1	601.9	906.7	1794.9	3723.7	5959.2	6767.3	6566.0
75°	351.7	373.2	409.4	426.0	514.9	897.0	2133.9	4186.8	5703.2	5791.2
77.5°	261.9	262.8	312.7	332.2	367.4	477.8	902.8	2337.2	3540.9	3717.8
80°	221.8	210.1	209.1	267.7	276.5	298.0	403.5	807.1	1268.3	769.0
82.5°	184.7	172.0	155.4	209.1	188.6	182.7	174.9	328.3	403.5	198.3
85°	129.0	123.1	117.2	136.8	107.5	91.8	84.0	153.4	170.0	84.0
87.5°	55.7	57.6	58.6	60.6	44.9	32.2	32.2	43.0	43.0	33.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2049.9
2062.6
2112.4
2197.5
2297.1
2395.8
2500.3
2579.5
2644.0
2704.6
2773.0
2844.3
2923.4
3041.7
3182.4
3348.5
3552.7
3769.6
3998.2
4252.3
4509.2
4759.4
5012.4
5263.5
5497.1
5675.9
5856.6
6069.6
6275.8
6534.7
5578.2
3316.2
581.4
169.0
74.3
24.4
0.0

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