

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: P950315

Luminaire Tested: **GALN-SB4D-760-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950315
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-SB4D-760-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44431 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

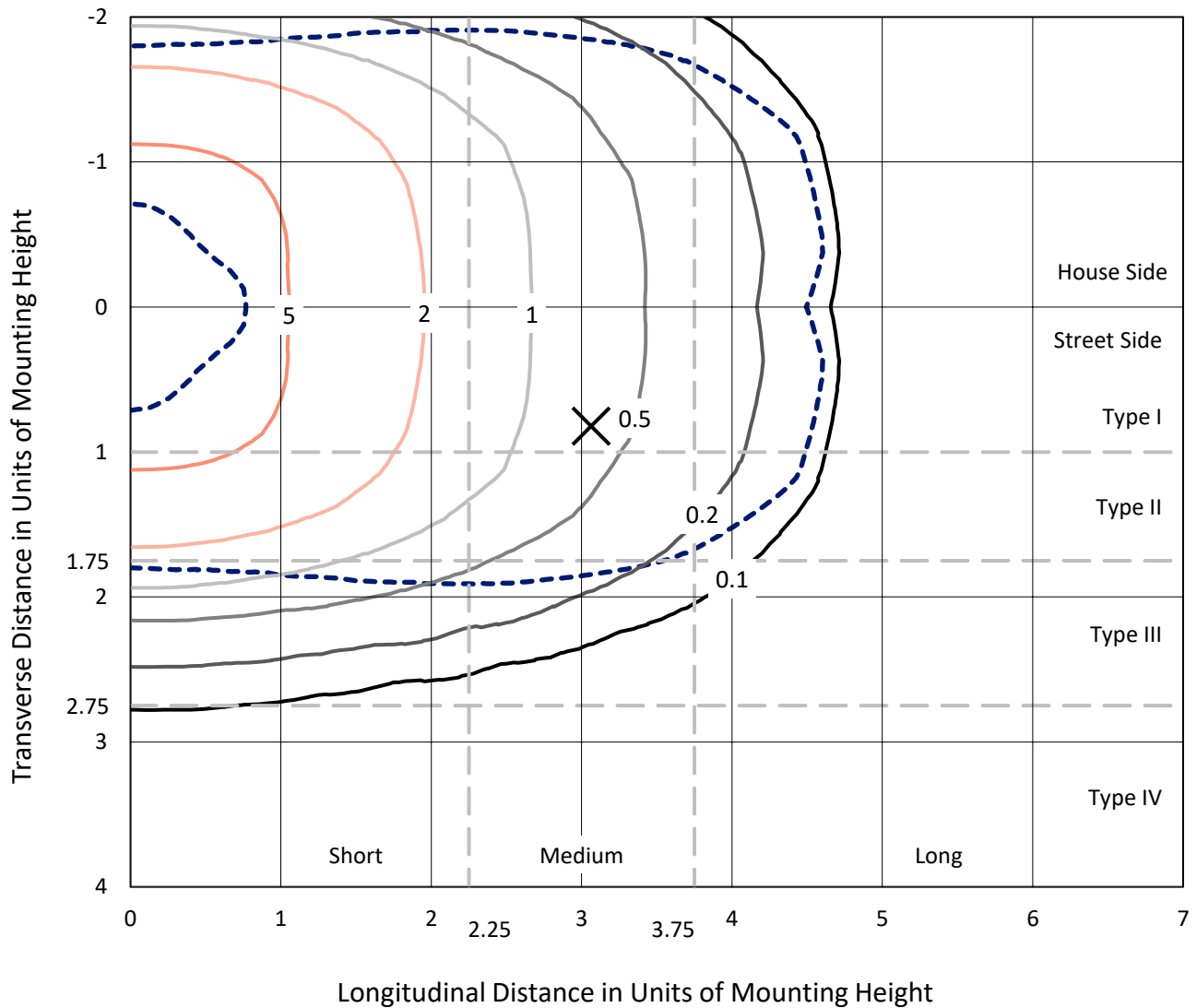
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

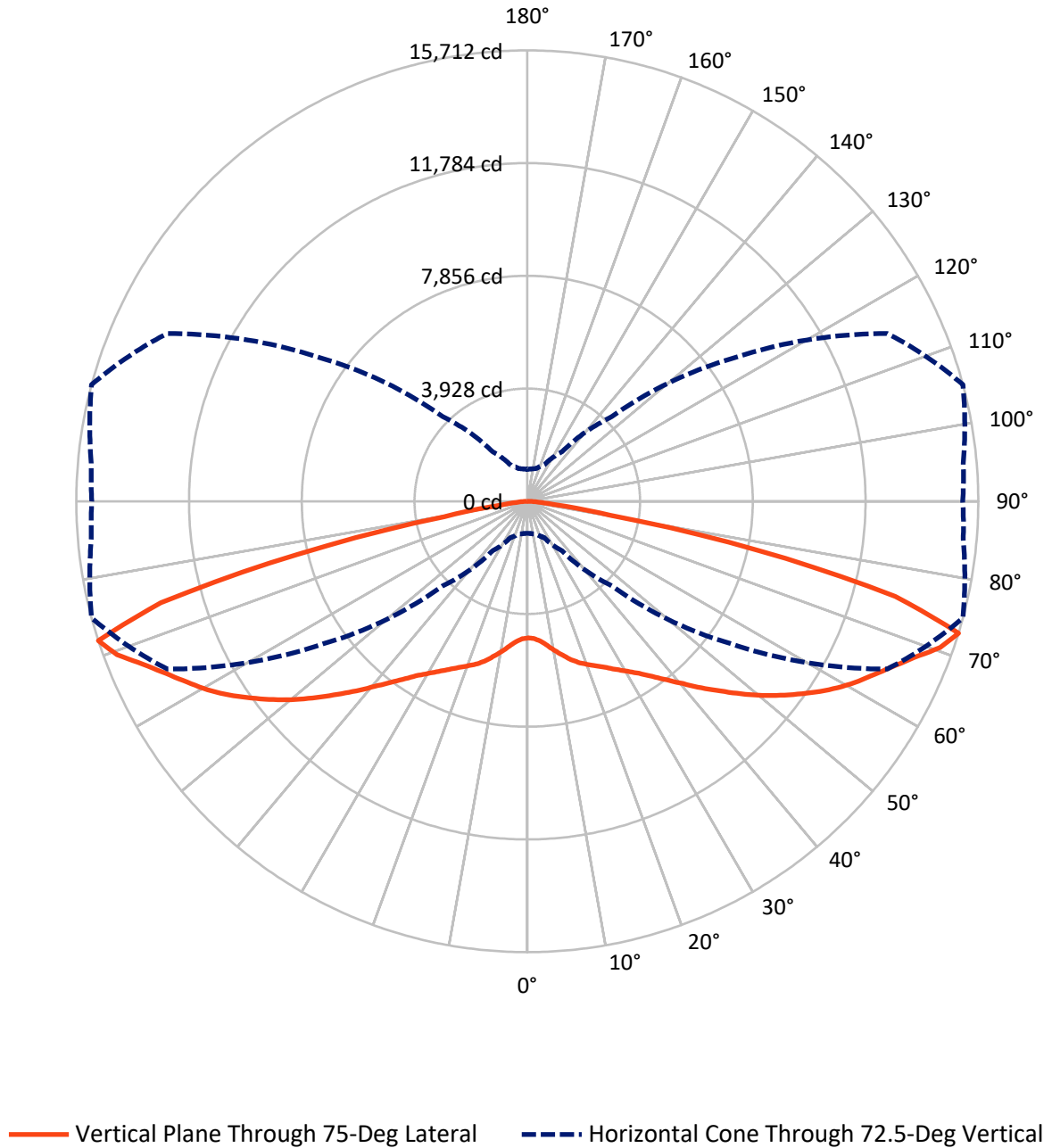
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	22215.5	0.0	22215.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22215.5	0.0	22215.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44431.0	0.0	44431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.2	1.0
10°-20°	1537.7	3.5
20°-30°	2971.3	6.7
30°-40°	5017.2	11.3
40°-50°	7956.6	17.9
50°-60°	10653.0	24.0
60°-70°	10138.3	22.8
70°-80°	5290.3	11.9
80°-90°	400.4	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°	44431.0	100.0
0°-180°	44431.0	100.0

Coefficient of Utilization

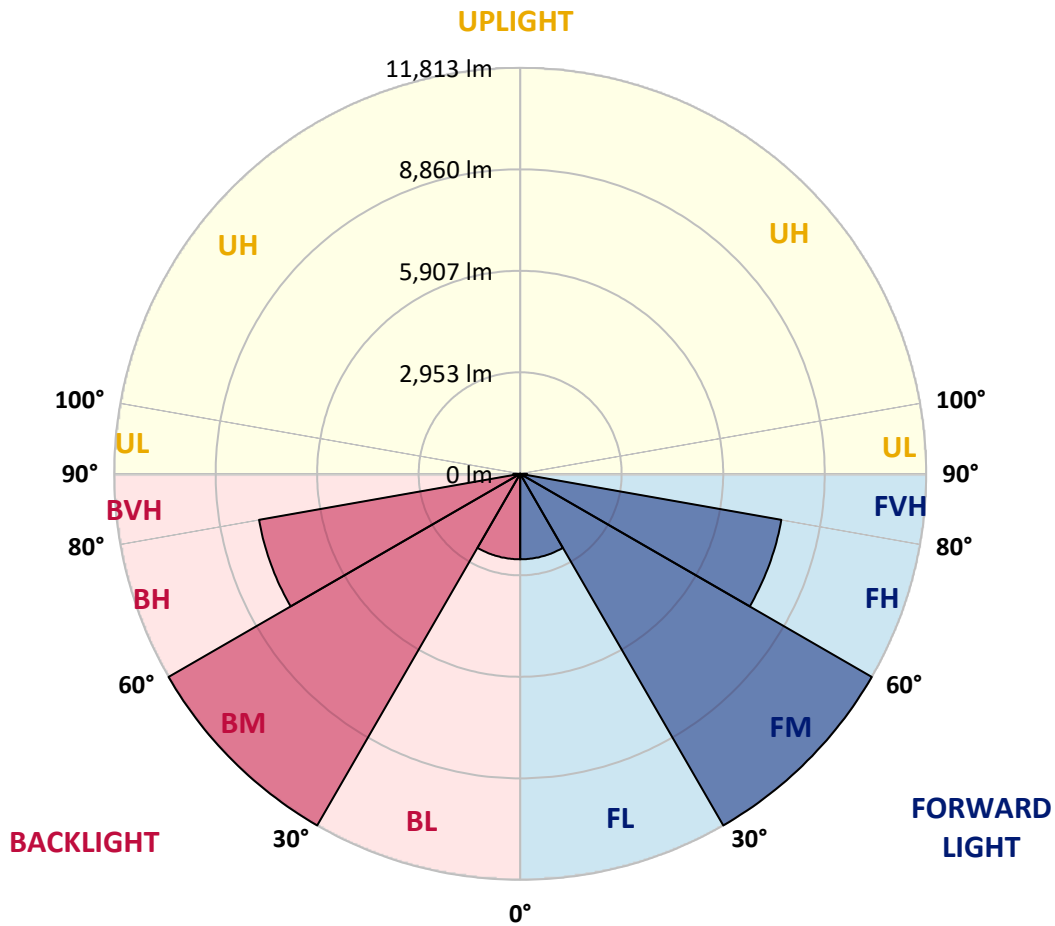


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2487.6	5.6			
FM (30°-60°)	11813.4	26.6			
FH (60°-80°)	7714.3	17.4			G4/12000
FVH (80°-90°)	200.2	0.5			G2/225
BL (0°-30°)	2487.6	5.6	B3/2500		
BM (30°-60°)	11813.4	26.6	B5		
BH (60°-80°)	7714.3	17.4	B5		G5
BVH (80°-90°)	200.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4
2.5°	4759.4	4754.8	4759.4	4763.9	4761.6	4761.6	4773.0	4779.8	4793.4	4791.1
5°	4727.6	4725.3	4743.5	4763.9	4779.8	4807.0	4841.0	4866.0	4897.7	4904.5
7.5°	4711.7	4704.9	4736.7	4773.0	4822.9	4890.9	4956.7	5024.8	5079.2	5097.4
10°	4723.1	4725.3	4768.4	4836.5	4915.9	5011.2	5104.2	5219.9	5297.0	5315.1
12.5°	4775.2	4770.7	4843.3	4952.2	5061.1	5181.3	5290.2	5417.2	5501.2	5544.3
15°	4870.5	4861.4	4963.5	5124.6	5283.4	5424.0	5512.5	5632.7	5730.3	5784.7
17.5°	4983.9	4988.5	5122.3	5331.0	5539.7	5698.5	5782.5	5843.7	5918.6	5966.2
20°	5183.6	5192.6	5342.4	5589.6	5827.8	6009.3	6077.4	6054.7	6075.1	6111.4
22.5°	5451.3	5455.8	5623.7	5891.3	6140.9	6340.5	6385.9	6292.9	6236.2	6261.1
25°	5762.0	5791.5	5959.4	6233.9	6490.2	6680.8	6701.2	6560.6	6419.9	6426.7
27.5°	6140.9	6168.1	6338.2	6610.5	6871.3	7036.9	7034.7	6846.4	6640.0	6587.8
30°	6551.5	6581.0	6755.7	7036.9	7279.7	7424.9	7393.1	7168.5	6873.6	6776.1
32.5°	7039.2	7057.4	7234.3	7515.6	7740.2	7855.9	7790.1	7513.3	7145.8	7034.7
35°	7629.0	7656.3	7787.8	8053.2	8250.6	8345.9	8234.7	7908.1	7495.2	7370.4
37.5°	8302.8	8284.6	8434.4	8670.3	8833.6	8892.6	8740.6	8352.7	7894.5	7747.0
40°	9006.0	8997.0	9160.3	9387.1	9475.6	9511.9	9287.3	8863.1	8355.0	8196.2
42.5°	9643.5	9636.7	9856.7	10108.5	10215.1	10174.3	9890.7	9405.3	8888.1	8706.6
45°	10153.9	10144.8	10414.8	10768.7	10977.4	10909.3	10528.2	10004.2	9428.0	9239.7
47.5°	10546.4	10550.9	10841.3	11279.1	11644.3	11669.3	11179.3	10614.4	10022.3	9809.1
50°	10829.9	10843.5	11154.3	11639.8	12138.9	12358.9	11843.9	11240.5	10637.1	10396.6
52.5°	10900.2	10925.2	11299.5	11868.9	12456.4	12876.1	12520.0	11841.7	11220.1	10991.0
55°	10525.9	10575.8	11050.0	11850.7	12651.5	13216.4	13114.3	12451.9	11807.6	11571.7
57.5°	9666.2	9736.5	10290.0	11335.8	12608.4	13450.1	13574.8	13037.2	12395.2	12168.3
60°	8461.6	8545.5	9076.3	10217.4	12000.5	13536.3	13899.2	13606.6	12935.1	12715.1
62.5°	6644.5	6753.4	7388.6	8727.0	10716.5	13134.7	14176.0	14121.5	13420.6	13146.1
65°	4262.5	4378.2	5047.5	6628.6	9003.8	11905.2	14262.2	14622.9	13933.3	13549.9
67.5°	2570.2	2622.4	2953.6	4017.5	6581.0	10051.8	13531.7	15178.7	14532.1	14055.8
70°	1644.7	1674.2	1871.5	2359.3	3720.4	7334.1	11721.4	15283.0	15258.1	14575.2
72.5°	1116.1	1125.2	1177.4	1397.4	2105.2	4167.3	8645.3	13835.7	15711.8	15244.5
75°	816.7	866.6	950.5	989.1	1195.5	2082.5	4954.4	9720.6	13241.4	13445.5
77.5°	608.0	610.2	725.9	771.3	853.0	1109.3	2096.1	5426.3	8221.1	8631.7
80°	515.0	487.7	485.5	621.6	642.0	691.9	936.9	1873.8	2944.5	1785.3
82.5°	428.8	399.3	360.7	485.5	437.8	424.2	406.1	762.2	936.9	460.5
85°	299.4	285.8	272.2	317.6	249.5	213.2	195.1	356.2	394.7	195.1
87.5°	129.3	133.8	136.1	140.6	104.4	74.9	74.9	99.8	99.8	77.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4759.4
4788.8
4904.5
5101.9
5333.3
5562.4
5805.1
5988.9
6138.6
6279.3
6438.1
6603.7
6787.4
7061.9
7388.6
7774.2
8248.3
8752.0
9282.8
9872.6
10469.2
11050.0
11637.5
12220.5
12762.7
13177.8
13597.5
14092.0
14570.7
15171.9
12951.0
7699.4
1349.8
392.5
172.4
56.7
0.0

OF REPORT)