

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: P952079

Luminaire Tested: **GALN-SB6A-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952079
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-SB6A-750-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29635 lumens
Efficiency: N/A
Efficacy: 173.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

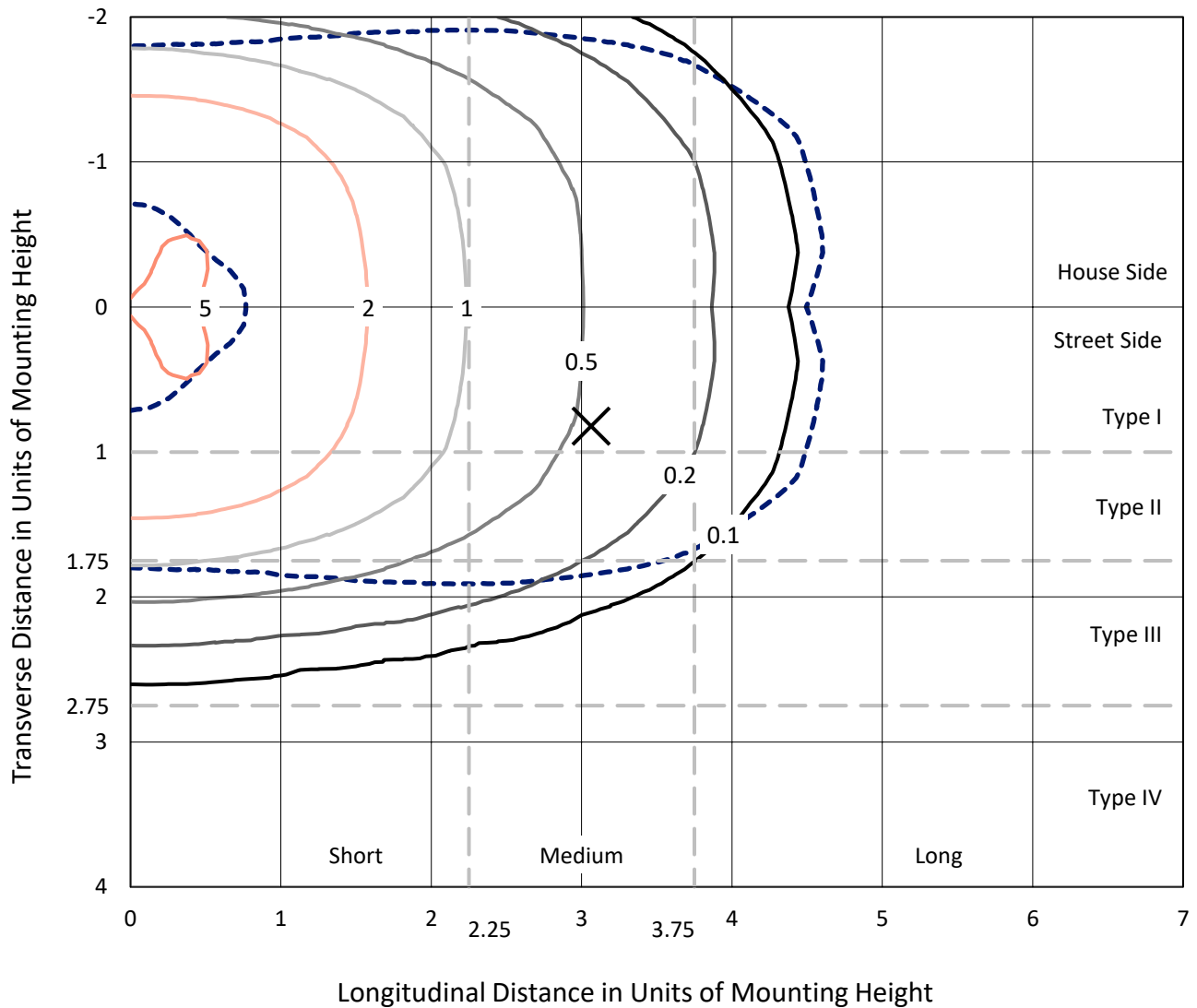
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

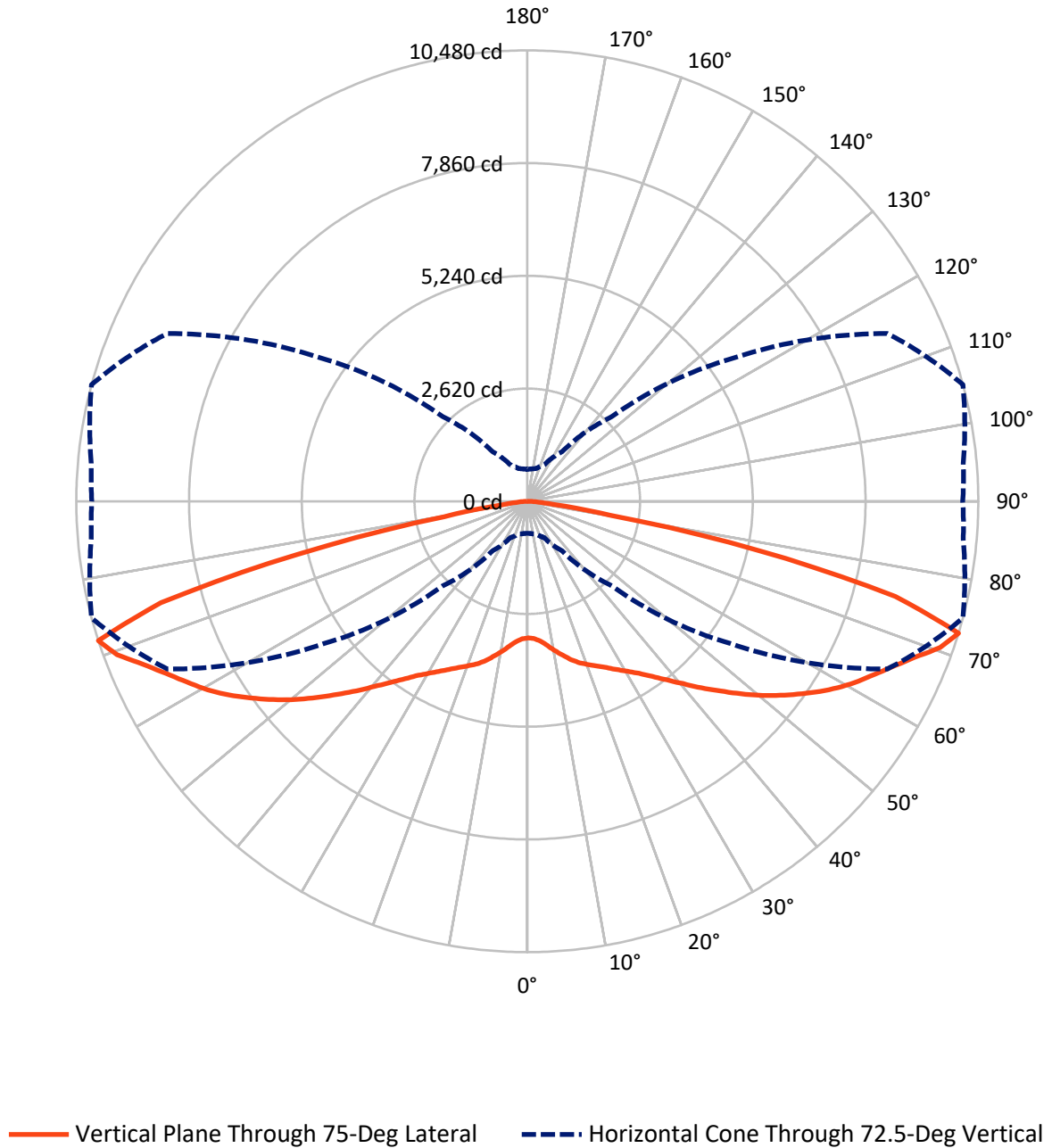
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	14817.5	0.0	14817.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14817.5	0.0	14817.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29635.0	0.0	29635.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.0	1.0
10°-20°	1025.6	3.5
20°-30°	1981.8	6.7
30°-40°	3346.4	11.3
40°-50°	5307.0	17.9
50°-60°	7105.4	24.0
60°-70°	6762.1	22.8
70°-80°	3528.6	11.9
80°-90°	267.1	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°	29635.0	100.0
0°-180°	29635.0	100.0

Coefficient of Utilization



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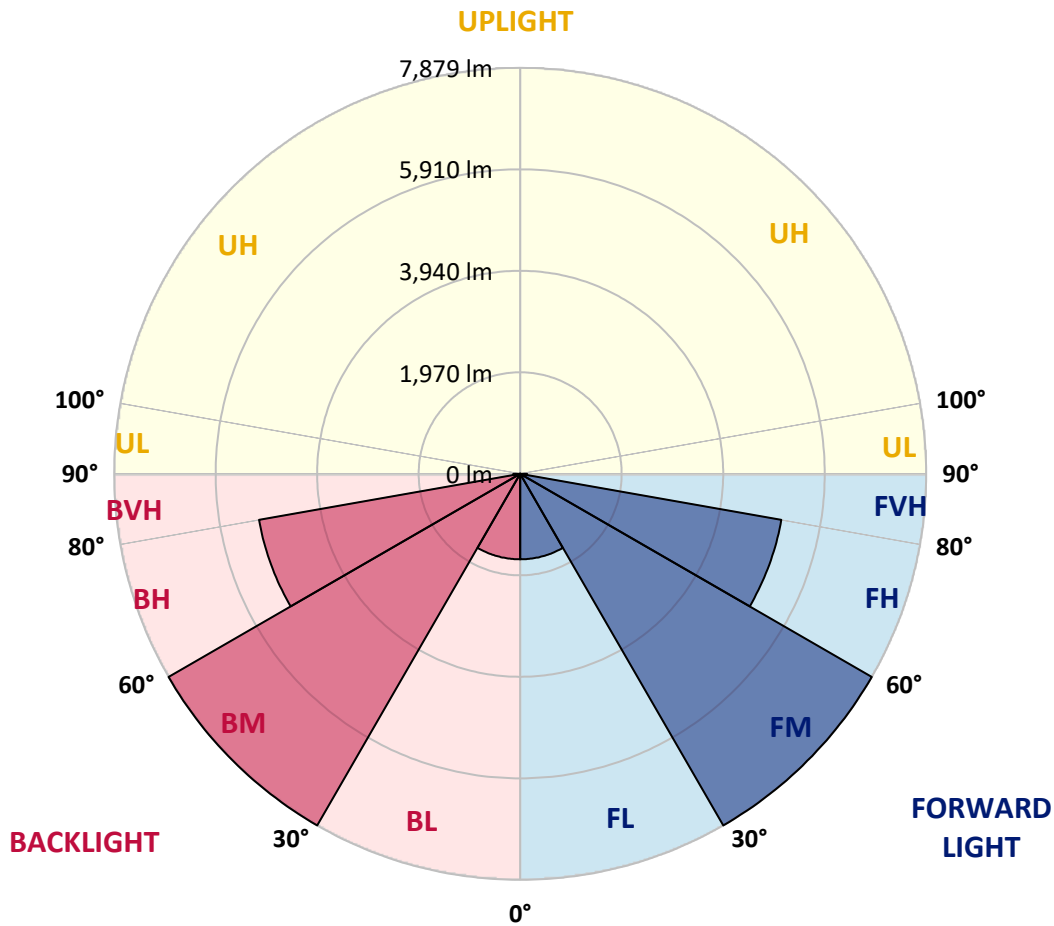
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1659.2	5.6			
FM (30°-60°)	7879.4	26.6			
FH (60°-80°)	5145.3	17.4			G3/7500
FVH (80°-90°)	133.5	0.5			G2/225
BL (0°-30°)	1659.2	5.6	B3/2500		
BM (30°-60°)	7879.4	26.6	B4/8500		
BH (60°-80°)	5145.3	17.4	B5		G5
BVH (80°-90°)	133.5	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°	3174.4	3174.4	3174.4	3174.4	3174.4	3174.4	3174.4	3174.4	3174.4	3174.4
2.5°	3174.4	3171.4	3174.4	3177.5	3176.0	3176.0	3183.5	3188.1	3197.1	3195.6
5°	3153.3	3151.7	3163.8	3177.5	3188.1	3206.2	3228.9	3245.6	3266.7	3271.3
7.5°	3142.7	3138.1	3159.3	3183.5	3216.8	3262.2	3306.1	3351.5	3387.8	3399.9
10°	3150.2	3151.7	3180.5	3225.9	3278.8	3342.4	3404.4	3481.6	3533.0	3545.1
12.5°	3185.0	3182.0	3230.4	3303.1	3375.7	3455.9	3528.5	3613.2	3669.2	3698.0
15°	3248.6	3242.5	3310.6	3418.0	3524.0	3617.8	3676.8	3757.0	3822.0	3858.4
17.5°	3324.2	3327.3	3416.5	3555.7	3694.9	3800.9	3856.8	3897.7	3947.6	3979.4
20°	3457.4	3463.4	3563.3	3728.2	3887.1	4008.1	4053.5	4038.4	4052.0	4076.2
22.5°	3635.9	3639.0	3750.9	3929.5	4095.9	4229.1	4259.3	4197.3	4159.5	4176.1
25°	3843.2	3862.9	3974.9	4157.9	4328.9	4456.0	4469.6	4375.8	4282.0	4286.6
27.5°	4095.9	4114.1	4227.5	4409.1	4583.1	4693.6	4692.1	4566.5	4428.8	4394.0
30°	4369.8	4389.4	4505.9	4693.6	4855.5	4952.3	4931.1	4781.3	4584.6	4519.6
32.5°	4695.1	4707.2	4825.2	5012.8	5162.6	5239.8	5195.9	5011.3	4766.2	4692.1
35°	5088.5	5106.6	5194.4	5371.4	5503.1	5566.6	5492.5	5274.6	4999.2	4916.0
37.5°	5537.9	5525.8	5625.6	5783.0	5891.9	5931.3	5829.9	5571.2	5265.5	5167.2
40°	6006.9	6000.9	6109.8	6261.1	6320.1	6344.3	6194.5	5911.6	5572.7	5466.8
42.5°	6432.1	6427.6	6574.3	6742.3	6813.4	6786.2	6597.0	6273.2	5928.2	5807.2
45°	6772.5	6766.5	6946.5	7182.6	7321.8	7276.4	7022.2	6672.7	6288.4	6162.8
47.5°	7034.3	7037.3	7231.0	7523.0	7766.6	7783.3	7456.5	7079.7	6684.8	6542.6
50°	7223.4	7232.5	7439.8	7763.6	8096.5	8243.3	7899.8	7497.3	7094.8	6934.4
52.5°	7270.3	7287.0	7536.6	7916.4	8308.3	8588.2	8350.7	7898.3	7483.7	7330.9
55°	7020.7	7054.0	7370.2	7904.3	8438.4	8815.2	8747.1	8305.3	7875.6	7718.2
57.5°	6447.2	6494.1	6863.3	7560.9	8409.7	8971.0	9054.3	8695.7	8267.5	8116.2
60°	5643.8	5699.8	6053.8	6814.9	8004.2	9028.5	9270.6	9075.4	8627.6	8480.8
62.5°	4431.8	4504.4	4928.1	5820.8	7147.8	8760.7	9455.2	9418.9	8951.4	8768.3
65°	2843.1	2920.2	3366.6	4421.2	6005.4	7940.6	9512.7	9753.3	9293.3	9037.6
67.5°	1714.3	1749.1	1970.0	2679.7	4389.4	6704.5	9025.5	10124.0	9692.8	9375.0
70°	1097.0	1116.7	1248.3	1573.6	2481.4	4891.8	7818.1	10193.6	10177.0	9721.5
72.5°	744.4	750.5	785.3	932.1	1404.1	2779.5	5766.3	9228.3	10479.6	10167.9
75°	544.7	578.0	634.0	659.7	797.4	1389.0	3304.6	6483.5	8831.8	8968.0
77.5°	405.5	407.0	484.2	514.4	568.9	739.9	1398.1	3619.3	5483.4	5757.3
80°	343.5	325.3	323.8	414.6	428.2	461.5	624.9	1249.8	1964.0	1190.8
82.5°	286.0	266.3	240.6	323.8	292.0	282.9	270.8	508.4	624.9	307.2
85°	199.7	190.6	181.6	211.8	166.4	142.2	130.1	237.6	263.3	130.1
87.5°	86.2	89.3	90.8	93.8	69.6	49.9	49.9	66.6	66.6	51.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3174.4
3194.1
3271.3
3402.9
3557.2
3710.1
3872.0
3994.5
4094.4
4188.2
4294.1
4404.6
4527.1
4710.2
4928.1
5185.3
5501.6
5837.5
6191.5
6584.9
6982.9
7370.2
7762.1
8151.0
8512.6
8789.5
9069.4
9399.2
9718.5
10119.5
8638.2
5135.4
900.3
261.8
115.0
37.8
0.0

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