

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: P952541

Luminaire Tested: **GALN-SB6B-840-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952541
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-SB6B-840-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33634 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

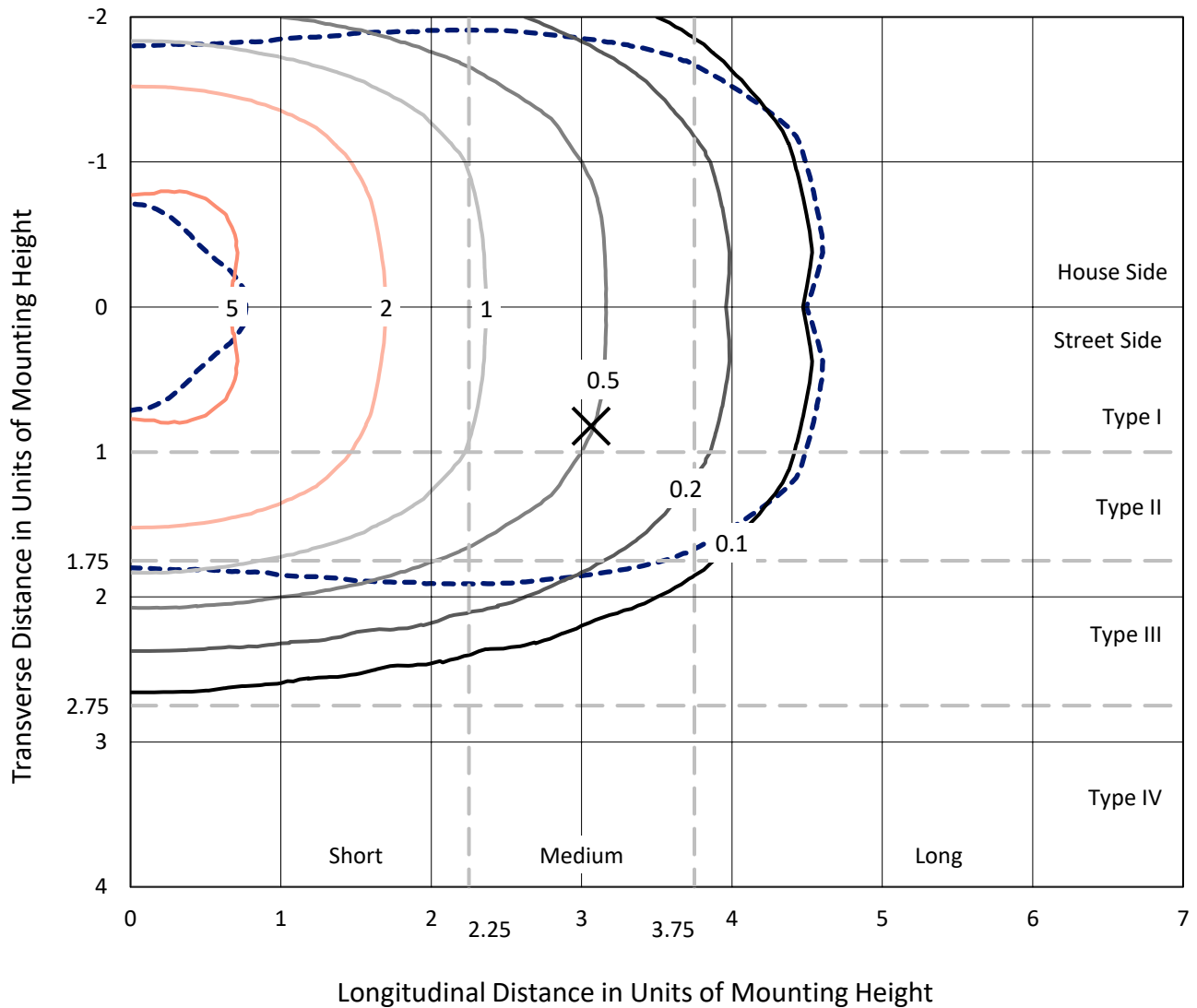
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

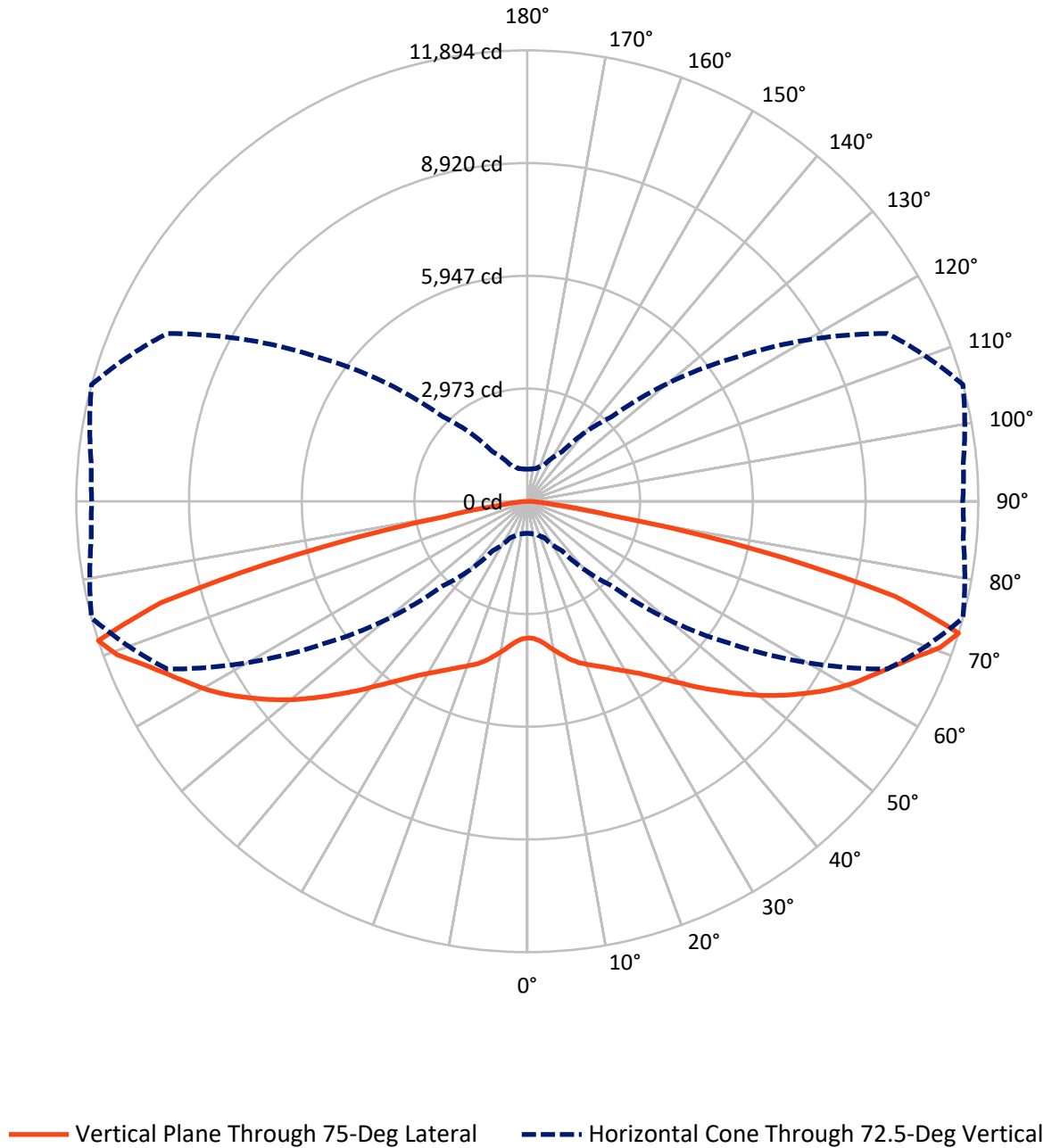
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	16817.0	0.0	16817.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16817.0	0.0	16817.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33634.0	0.0	33634.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	1.0
10°-20°	1164.0	3.5
20°-30°	2249.2	6.7
30°-40°	3798.0	11.3
40°-50°	6023.1	17.9
50°-60°	8064.3	24.0
60°-70°	7674.6	22.8
70°-80°	4004.7	11.9
80°-90°	303.1	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°	33634.0	100.0
0°-180°	33634.0	100.0

Coefficient of Utilization



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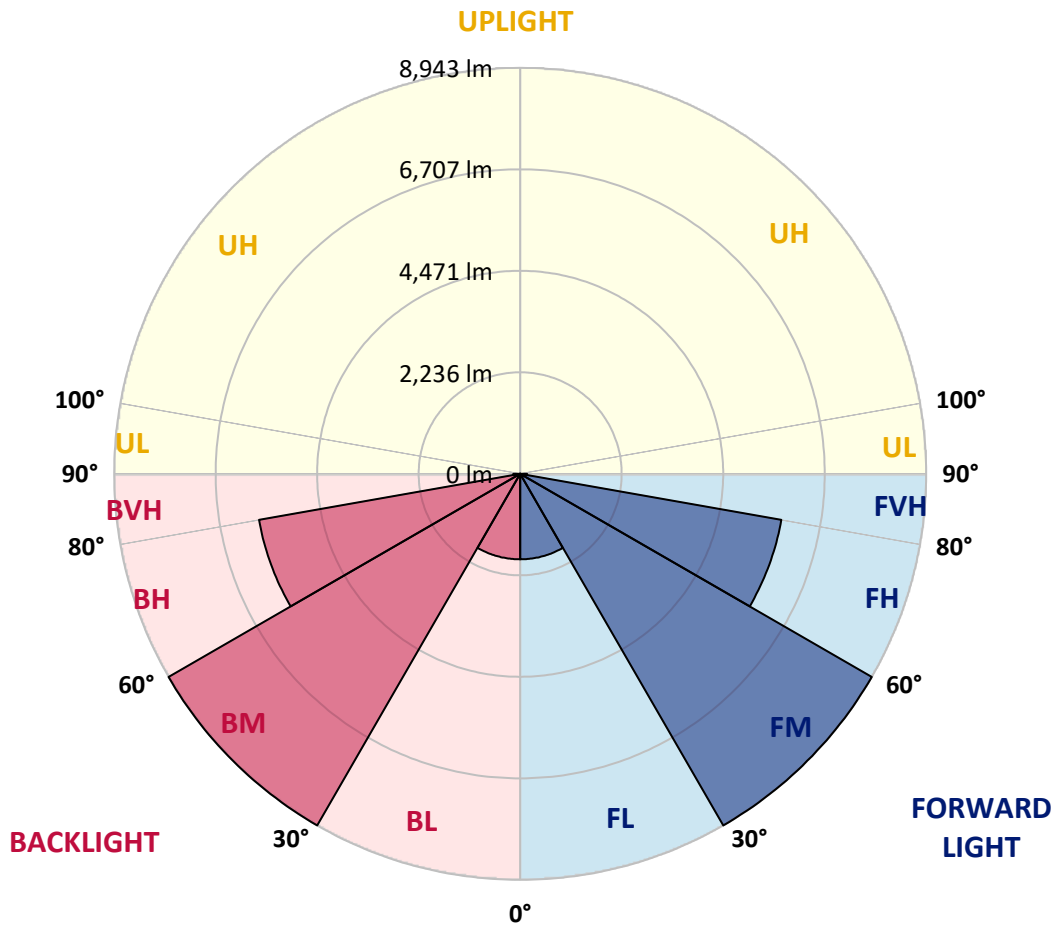
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1883.1	5.6			
FM (30°-60°)	8942.7	26.6			
FH (60°-80°)	5839.7	17.4			G3/7500
FVH (80°-90°)	151.6	0.5			G2/225
BL (0°-30°)	1883.1	5.6	B3/2500		
BM (30°-60°)	8942.7	26.6	B5		
BH (60°-80°)	5839.7	17.4	B5		G5
BVH (80°-90°)	151.6	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°	3602.8	3602.8	3602.8	3602.8	3602.8	3602.8	3602.8	3602.8	3602.8	3602.8
2.5°	3602.8	3599.4	3602.8	3606.2	3604.5	3604.5	3613.1	3618.3	3628.6	3626.8
5°	3578.8	3577.0	3590.8	3606.2	3618.3	3638.9	3664.6	3683.5	3707.6	3712.7
7.5°	3566.7	3561.6	3585.6	3613.1	3650.9	3702.4	3752.2	3803.7	3844.9	3858.7
10°	3575.3	3577.0	3609.7	3661.2	3721.3	3793.4	3863.8	3951.4	4009.8	4023.5
12.5°	3614.8	3611.4	3666.3	3748.8	3831.2	3922.2	4004.6	4100.8	4164.3	4197.0
15°	3686.9	3680.1	3757.4	3879.3	3999.5	4106.0	4172.9	4263.9	4337.8	4379.0
17.5°	3772.8	3776.2	3877.6	4035.6	4193.5	4313.7	4377.3	4423.7	4480.3	4516.4
20°	3923.9	3930.8	4044.1	4231.3	4411.6	4549.0	4600.5	4583.4	4598.8	4626.3
22.5°	4126.6	4130.0	4257.1	4459.7	4648.6	4799.7	4834.1	4763.7	4720.7	4739.6
25°	4361.8	4384.2	4511.2	4719.0	4913.1	5057.3	5072.8	4966.3	4859.8	4865.0
27.5°	4648.6	4669.2	4798.0	5004.1	5201.6	5326.9	5325.2	5182.7	5026.4	4986.9
30°	4959.4	4981.8	5114.0	5326.9	5510.7	5620.6	5596.5	5426.5	5203.3	5129.4
32.5°	5328.6	5342.4	5476.3	5689.3	5859.3	5946.9	5897.1	5687.6	5409.4	5325.2
35°	5775.1	5795.7	5895.3	6096.3	6245.7	6317.8	6233.6	5986.4	5673.8	5579.4
37.5°	6285.2	6271.4	6384.8	6563.4	6687.0	6731.6	6616.6	6322.9	5976.1	5864.4
40°	6817.5	6810.6	6934.3	7106.0	7173.0	7200.5	7030.4	6709.3	6324.7	6204.4
42.5°	7300.1	7294.9	7461.5	7652.1	7732.8	7701.9	7487.2	7119.7	6728.2	6590.8
45°	7686.4	7679.6	7883.9	8151.8	8309.8	8258.3	7969.8	7573.1	7136.9	6994.4
47.5°	7983.5	7987.0	8206.8	8538.2	8814.7	8833.6	8462.6	8035.0	7586.8	7425.4
50°	8198.2	8208.5	8443.7	8811.2	9189.0	9355.6	8965.8	8509.0	8052.2	7870.2
52.5°	8251.4	8270.3	8553.7	8984.7	9429.5	9747.1	9477.5	8964.1	8493.5	8320.1
55°	7968.1	8005.8	8364.8	8970.9	9577.1	10004.7	9927.5	9426.0	8938.3	8759.7
57.5°	7317.2	7370.5	7789.5	8581.1	9544.5	10181.6	10276.1	9869.1	9383.1	9211.4
60°	6405.4	6468.9	6870.7	7734.5	9084.3	10246.9	10521.6	10300.1	9791.8	9625.2
62.5°	5029.8	5112.3	5593.1	6606.3	8112.3	9942.9	10731.1	10689.9	10159.3	9951.5
65°	3226.7	3314.3	3820.9	5017.8	6815.8	9012.2	10796.4	11069.4	10547.4	10257.2
67.5°	1945.7	1985.1	2235.9	3041.3	4981.8	7609.2	10243.4	11490.2	11000.7	10640.1
70°	1245.0	1267.3	1416.7	1785.9	2816.3	5551.9	8873.1	11569.2	11550.3	11033.4
72.5°	844.9	851.8	891.3	1057.8	1593.6	3154.6	6544.5	10473.5	11893.7	11540.0
75°	618.2	656.0	719.5	748.7	905.0	1576.4	3750.5	7358.4	10023.6	10178.2
77.5°	460.2	461.9	549.5	583.9	645.7	839.7	1586.7	4107.7	6223.3	6534.2
80°	389.8	369.2	367.5	470.5	486.0	523.8	709.2	1418.5	2229.0	1351.5
82.5°	324.6	302.2	273.0	367.5	331.4	321.1	307.4	577.0	709.2	348.6
85°	226.7	216.4	206.1	240.4	188.9	161.4	147.7	269.6	298.8	147.7
87.5°	97.9	101.3	103.0	106.5	79.0	56.7	56.7	75.6	75.6	58.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3602.8
3625.1
3712.7
3862.1
4037.3
4210.7
4394.5
4533.6
4646.9
4753.4
4873.6
4998.9
5138.0
5345.8
5593.1
5885.0
6243.9
6625.2
7027.0
7473.5
7925.1
8364.8
8809.5
9250.9
9661.3
9975.5
10293.2
10667.6
11029.9
<i>11485.0</i>
9803.8
5828.4
1021.8
297.1
130.5
42.9
0.0

OF REPORT)