

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: P952496

Luminaire Tested: **GALN-SB6B-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32152 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

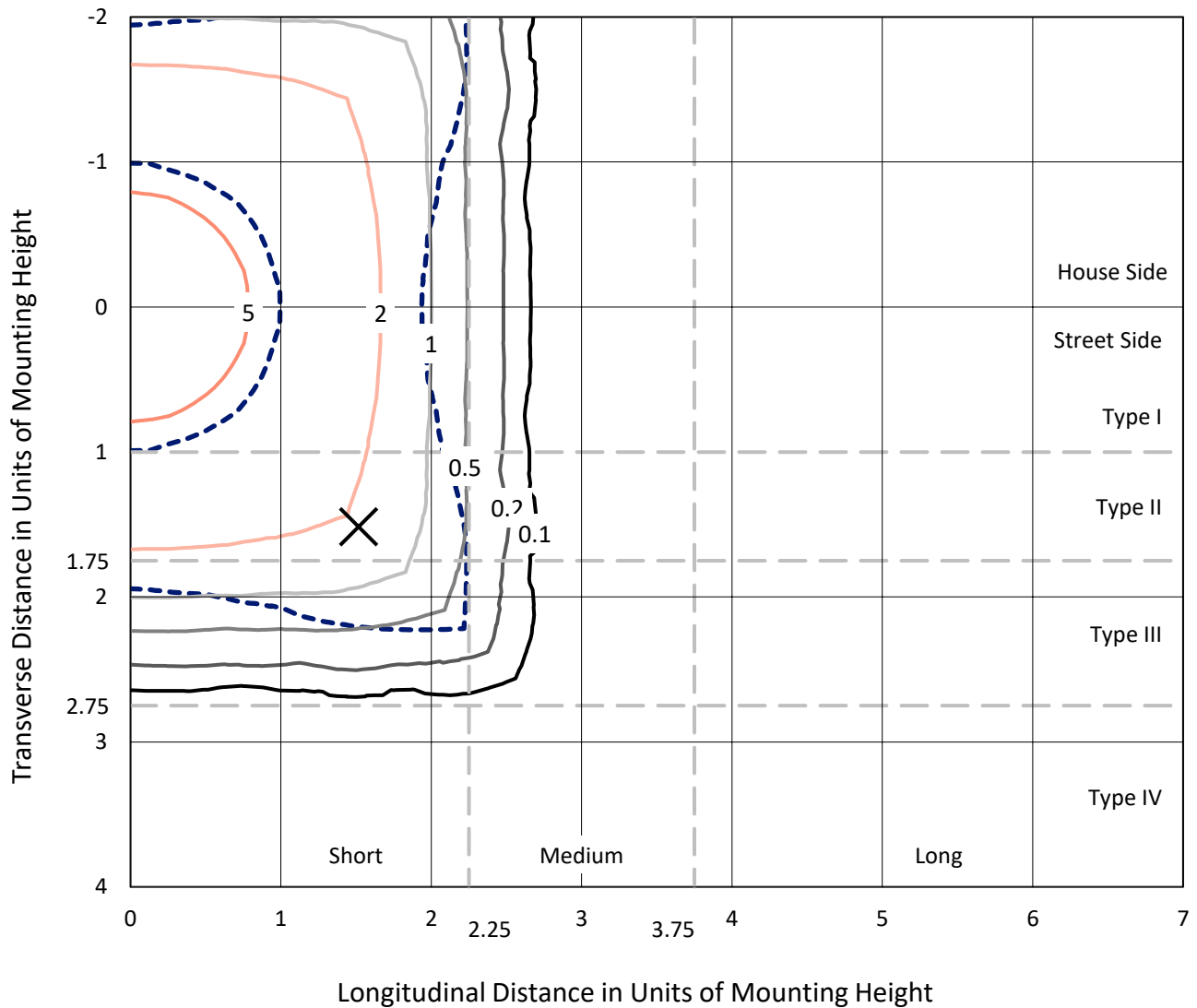
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

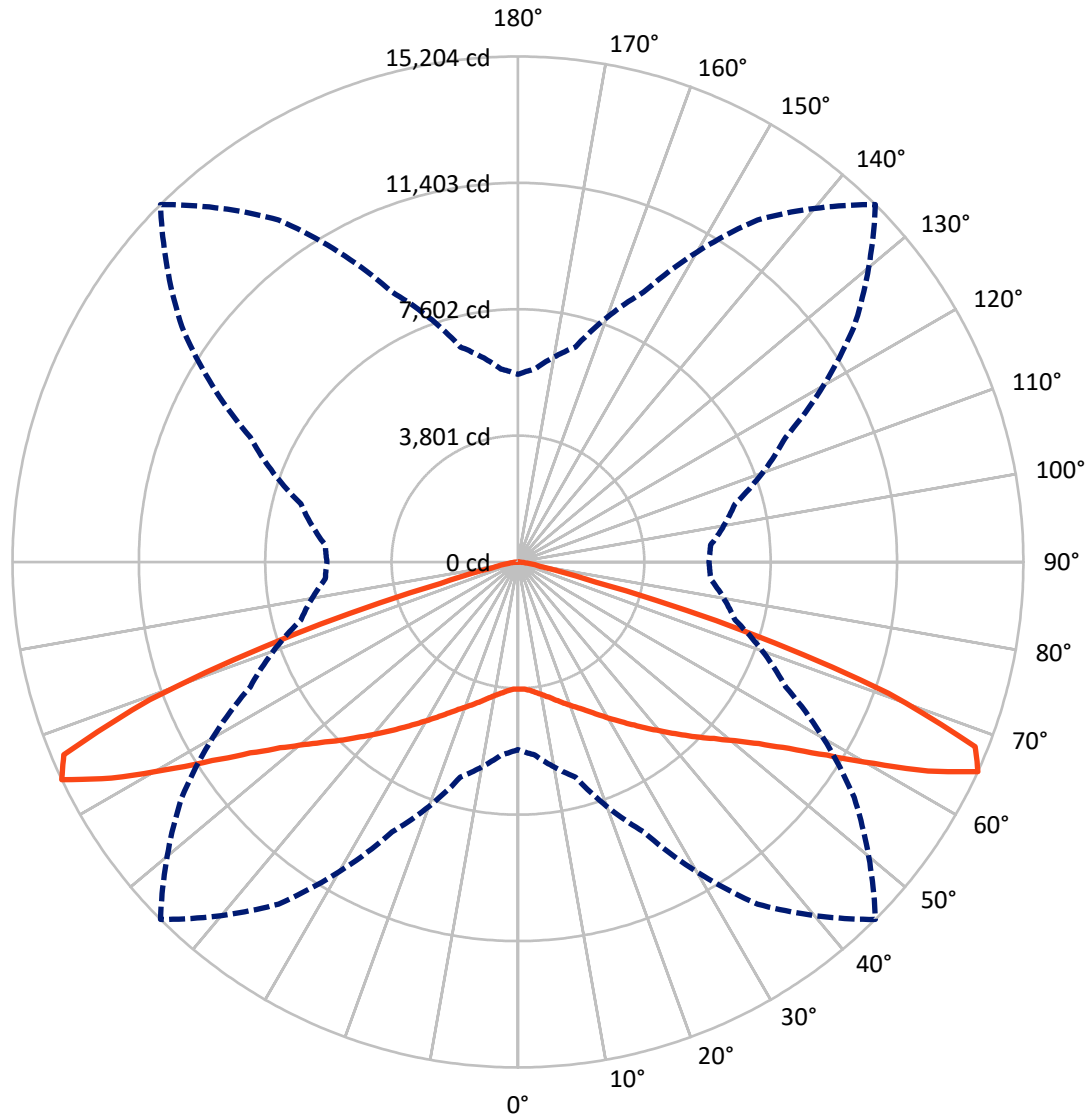
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16076.0	0.0	16076.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16076.0	0.0	16076.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32152.0	0.0	32152.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.6	1.2
10°-20°	1232.2	3.8
20°-30°	2326.6	7.2
30°-40°	3809.7	11.8
40°-50°	5907.0	18.4
50°-60°	8725.9	27.1
60°-70°	8306.2	25.8
70°-80°	1340.3	4.2
80°-90°	126.3	0.4
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°	32152.0	100.0
0°-180°	32152.0	100.0



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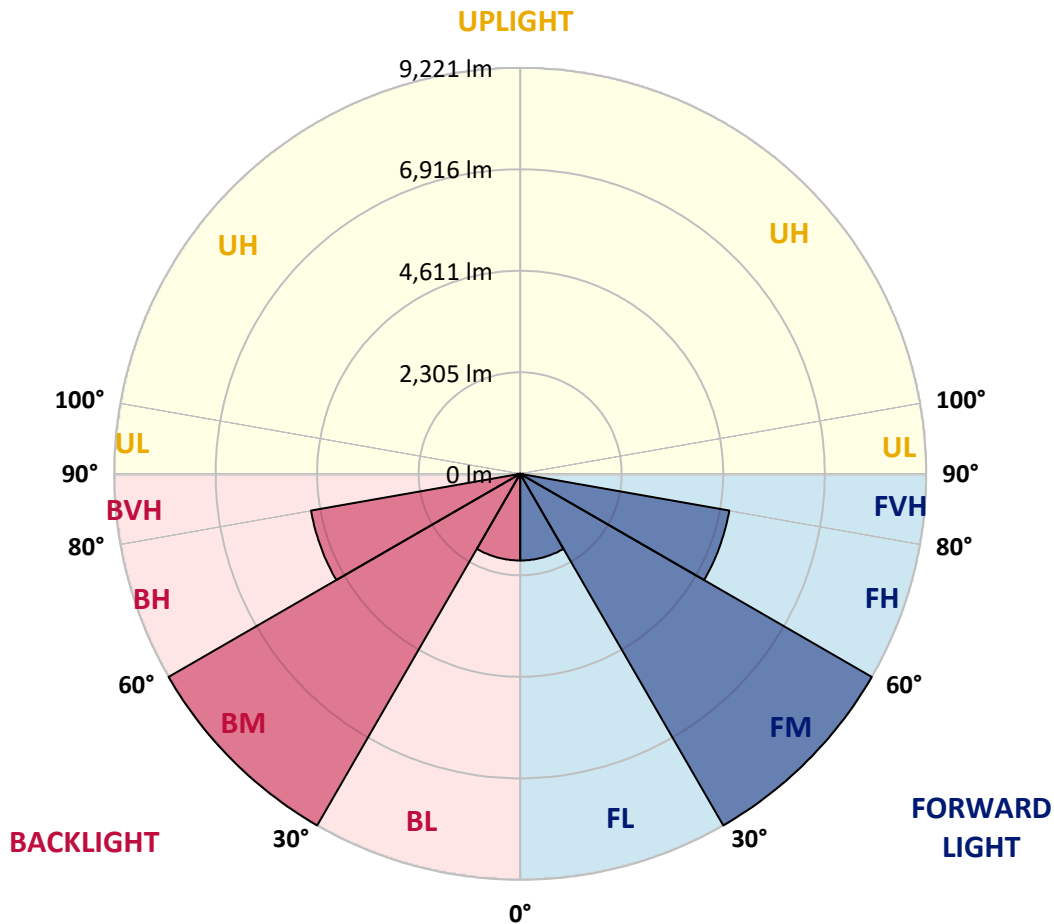
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1968.2	6.1			
FM (30°-60°)	9221.3	28.7			
FH (60°-80°)	4823.3	15.0			G2/5000
FVH (80°-90°)	63.2	0.2			G1/100
BL (0°-30°)	1968.2	6.1	B3/2500		
BM (30°-60°)	9221.3	28.7	B5		
BH (60°-80°)	4823.3	15.0	B4/5000		G2/5000
BVH (80°-90°)	63.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3826.4	3826.4	3826.4	3826.4	3826.4	3826.4	3826.4	3826.4	3826.4	3826.4
2.5°	3852.2	3839.3	3849.0	3840.9	3834.5	3828.0	3831.2	3842.5	3847.4	3849.0
5°	3903.8	3892.5	3897.4	3897.4	3886.1	3882.9	3884.5	3892.5	3902.2	3902.2
7.5°	3987.7	3976.4	3987.7	3981.3	3971.6	3968.4	3966.8	3973.2	3987.7	3987.7
10°	4089.4	4076.4	4082.9	4079.7	4068.4	4063.5	4061.9	4071.6	4084.5	4082.9
12.5°	4200.7	4186.1	4194.2	4184.5	4181.3	4176.5	4176.5	4174.9	4182.9	4176.5
15°	4324.9	4315.2	4318.4	4312.0	4316.8	4313.6	4300.7	4294.2	4297.5	4287.8
17.5°	4471.7	4449.1	4460.4	4457.2	4457.2	4463.6	4442.6	4434.6	4441.0	4431.3
20°	4641.1	4618.5	4623.3	4616.9	4608.8	4615.2	4589.4	4595.9	4600.7	4594.3
22.5°	4826.6	4797.5	4795.9	4799.1	4781.4	4783.0	4765.3	4781.4	4791.1	4773.3
25°	5016.9	4986.3	5007.2	4999.2	4976.6	4981.4	4968.5	4984.7	4992.7	4970.1
27.5°	5218.6	5197.6	5217.0	5221.8	5194.4	5213.7	5194.4	5208.9	5217.0	5183.1
30°	5454.1	5433.1	5450.9	5463.8	5431.5	5462.2	5446.0	5455.7	5457.3	5417.0
32.5°	5710.6	5678.3	5723.5	5729.9	5694.4	5731.5	5710.6	5723.5	5731.5	5676.7
35°	6023.5	5983.2	6034.8	6026.8	5996.1	6026.8	6007.4	6026.8	6046.1	5980.0
37.5°	6360.7	6318.7	6373.6	6359.1	6330.0	6351.0	6339.7	6352.6	6383.3	6312.3
40°	6731.7	6680.1	6754.3	6728.5	6701.1	6697.8	6704.3	6712.3	6752.7	6673.6
42.5°	7128.5	7073.7	7185.0	7144.7	7106.0	7080.1	7101.1	7117.3	7156.0	7067.2
45°	7581.8	7518.9	7664.1	7615.7	7554.4	7501.2	7535.1	7559.3	7615.7	7509.2
47.5°	8081.9	8010.9	8165.8	8151.3	8051.3	7935.1	8012.6	8081.9	8123.9	7994.8
50°	8570.7	8515.9	8719.1	8736.9	8614.3	8451.3	8559.4	8664.3	8675.6	8506.2
52.5°	9028.8	8974.0	9269.2	9380.5	9270.8	9077.2	9191.8	9298.2	9212.7	8993.4
55°	9395.0	9349.9	9725.7	10012.9	10050.0	9890.3	9958.0	9954.8	9674.1	9337.0
57.5°	9483.8	9477.3	9951.6	10559.7	10946.9	10966.2	10832.4	10490.4	9885.4	9432.1
60°	9080.5	9120.8	9772.5	10845.3	11877.7	12306.8	11727.7	10751.7	9645.1	9015.9
62.5°	7873.8	7980.3	8765.9	10496.8	12629.4	13849.0	12445.5	10354.9	8657.8	7836.7
65°	5642.8	5828.3	6696.2	8957.9	12561.7	15204.0	12342.3	8885.3	6760.7	5813.8
67.5°	2560.1	2748.8	3486.0	6133.2	10919.5	14836.2	10893.7	6197.8	3660.3	2758.5
70°	927.6	959.8	1197.0	2455.2	6978.5	11821.2	7277.0	2473.0	1272.8	1022.7
72.5°	561.4	566.2	616.2	879.2	2424.6	7176.9	2527.8	908.2	629.1	558.2
75°	356.5	353.3	438.8	537.2	859.8	2421.3	901.8	537.2	437.2	398.4
77.5°	256.5	264.6	314.6	401.7	542.0	821.1	532.3	383.9	314.6	258.1
80°	192.0	196.8	229.1	313.0	380.7	511.4	338.8	283.9	237.1	161.3
82.5°	138.7	138.7	150.0	227.5	232.3	275.8	183.9	200.0	156.5	114.5
85°	82.3	80.7	93.6	135.5	121.0	101.6	83.9	122.6	98.4	71.0
87.5°	29.0	30.6	29.0	38.7	32.3	27.4	25.8	33.9	27.4	24.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3826.4
3849.0
3902.2
3982.9
4079.7
4179.7
4289.4
4439.4
4608.8
4791.1
4995.9
5208.9
5441.2
5713.8
6020.3
6355.8
6699.4
7114.0
7564.1
8038.4
8527.2
8999.8
9348.2
9403.1
8941.7
7788.3
5744.5
2718.2
1009.8
567.8
401.7
262.9
166.2
114.5
69.4
22.6
0.0

OF REPORT)