

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: P952853

Luminaire Tested: **GALN-SB6C-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952853
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-SB6C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42761 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

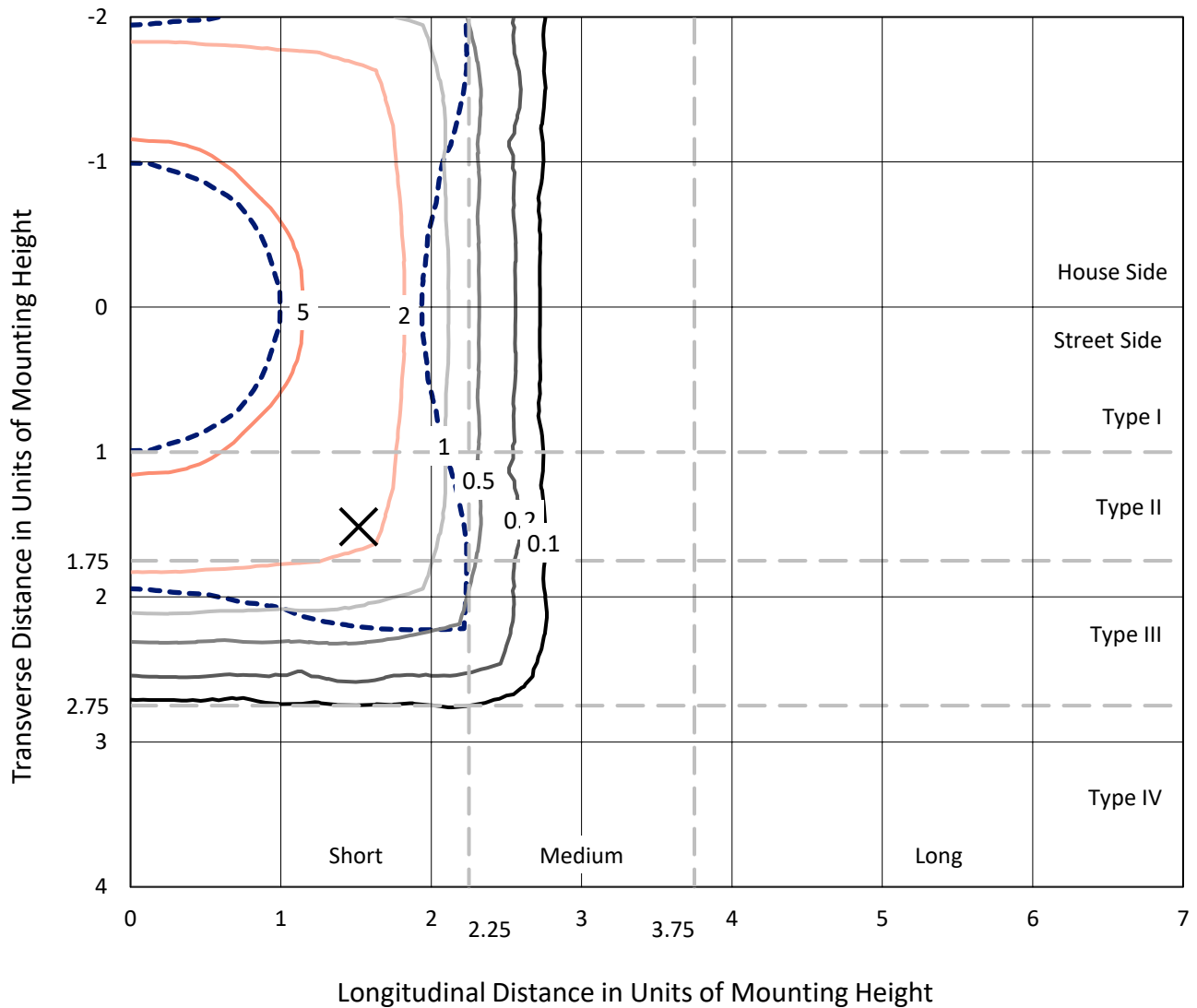
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

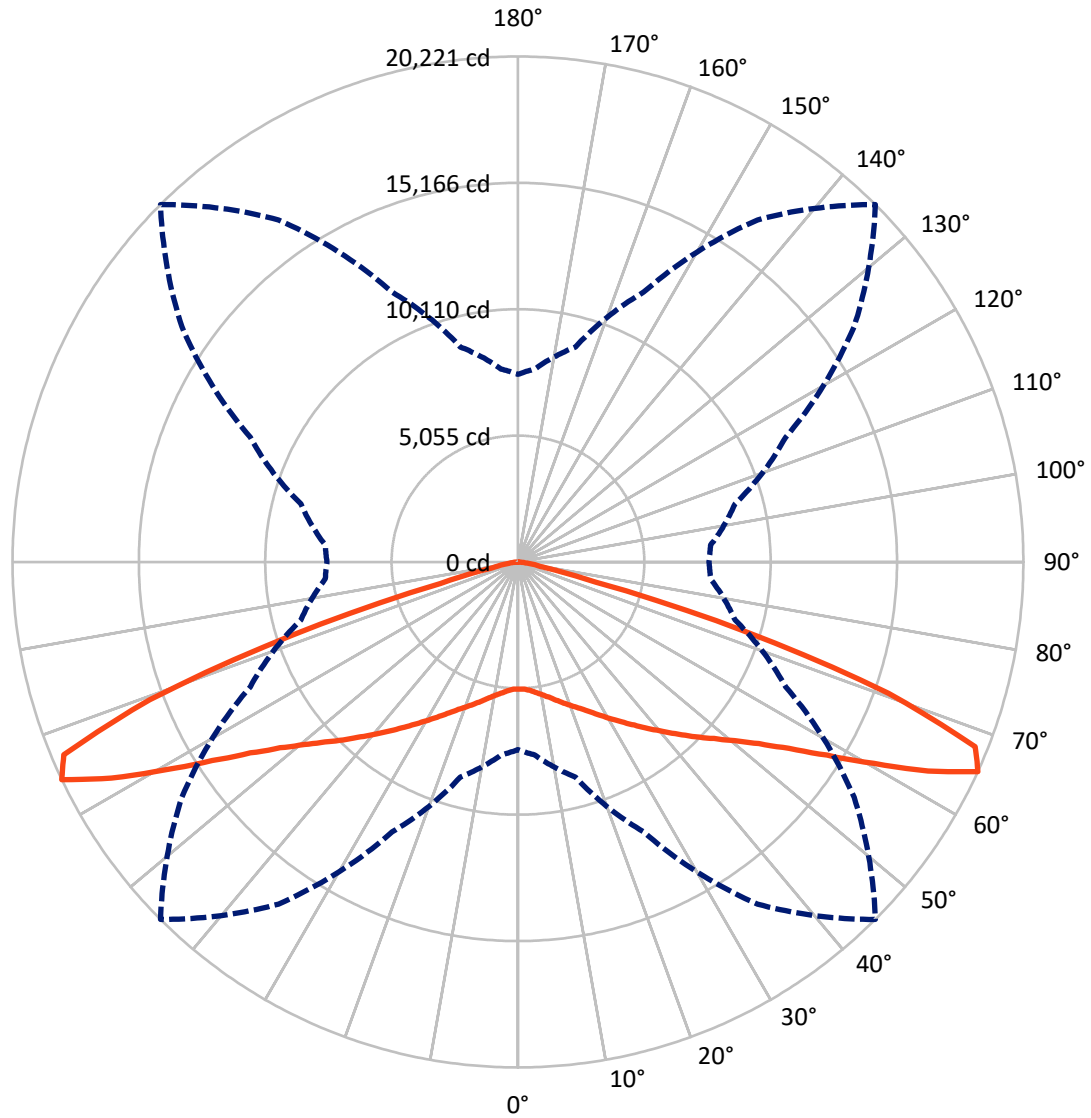
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	21380.5	0.0	21380.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21380.5	0.0	21380.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42761.0	0.0	42761.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.2	1.2
10°-20°	1638.8	3.8
20°-30°	3094.3	7.2
30°-40°	5066.8	11.8
40°-50°	7856.1	18.4
50°-60°	11605.1	27.1
60°-70°	11047.0	25.8
70°-80°	1782.6	4.2
80°-90°	168.0	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°	42761.0	100.0
0°-180°	42761.0	100.0



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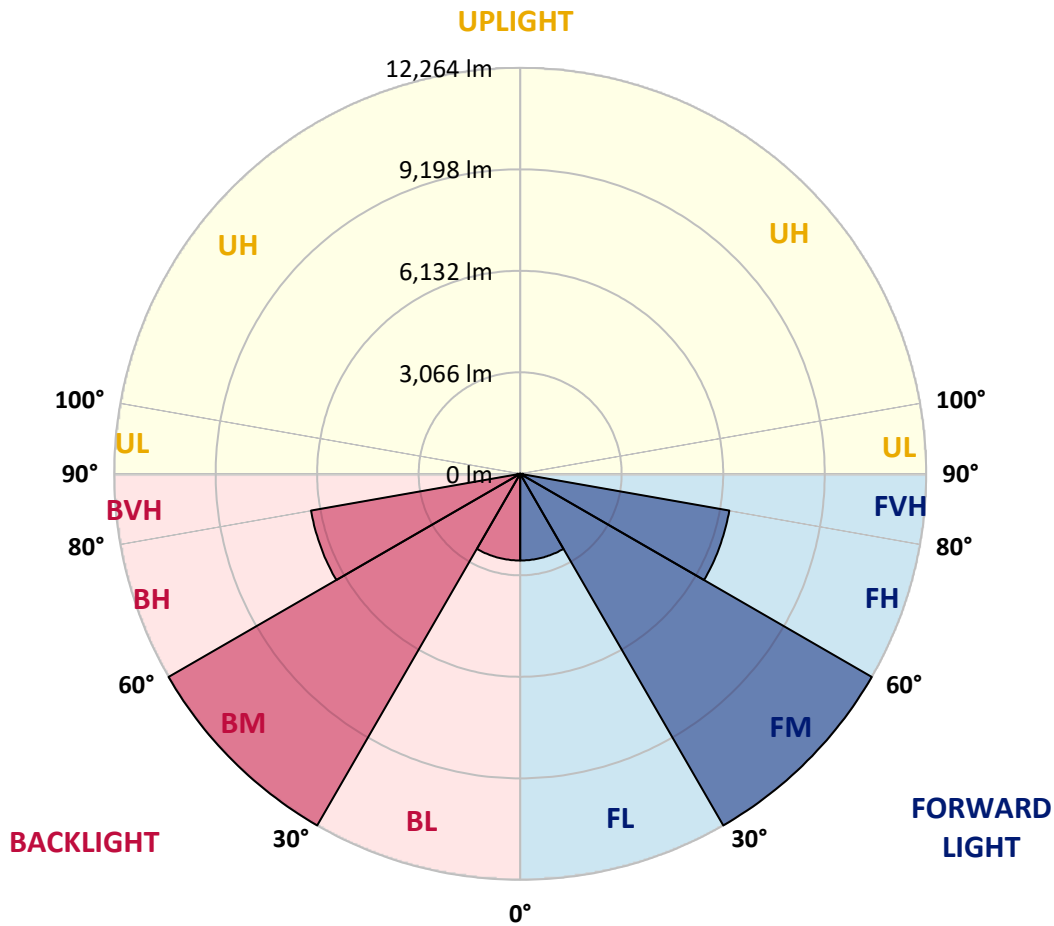
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2617.7	6.1			
FM (30°-60°)	12264.0	28.7			
FH (60°-80°)	6414.8	15.0			G3/7500
FVH (80°-90°)	84.0	0.2			G1/100
BL (0°-30°)	2617.7	6.1	B4/5000		
BM (30°-60°)	12264.0	28.7	B5		
BH (60°-80°)	6414.8	15.0	B5		G3/7500
BVH (80°-90°)	84.0	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5089.0	5089.0	5089.0	5089.0	5089.0	5089.0	5089.0	5089.0	5089.0	5089.0
2.5°	5123.3	5106.2	5119.0	5108.3	5099.7	5091.1	5095.4	5110.4	5116.9	5119.0
5°	5192.0	5176.9	5183.4	5183.4	5168.4	5164.1	5166.2	5176.9	5189.8	5189.8
7.5°	5303.5	5288.5	5303.5	5294.9	5282.1	5277.8	5275.6	5284.2	5303.5	5303.5
10°	5438.7	5421.5	5430.1	5425.8	5410.8	5404.4	5402.2	5415.1	5432.3	5430.1
12.5°	5586.7	5567.4	5578.1	5565.3	5561.0	5554.5	5554.5	5552.4	5563.1	5554.5
15°	5751.9	5739.1	5743.3	5734.8	5741.2	5736.9	5719.7	5711.2	5715.5	5702.6
17.5°	5947.2	5917.1	5932.1	5927.9	5927.9	5936.4	5908.5	5897.8	5906.4	5893.5
20°	6172.4	6142.4	6148.8	6140.3	6129.5	6138.1	6103.8	6112.4	6118.8	6110.2
22.5°	6419.2	6380.5	6378.4	6382.7	6359.1	6361.2	6337.6	6359.1	6372.0	6348.4
25°	6672.3	6631.6	6659.4	6648.7	6618.7	6625.1	6608.0	6629.4	6640.1	6610.1
27.5°	6940.5	6912.6	6938.4	6944.8	6908.3	6934.1	6908.3	6927.6	6938.4	6893.3
30°	7253.7	7225.8	7249.4	7266.6	7223.7	7264.5	7243.0	7255.9	7258.0	7204.4
32.5°	7594.9	7552.0	7612.0	7620.6	7573.4	7622.8	7594.9	7612.0	7622.8	7549.8
35°	8011.1	7957.4	8026.1	8015.4	7974.6	8015.4	7989.6	8015.4	8041.1	7953.2
37.5°	8459.5	8403.7	8476.6	8457.3	8418.7	8446.6	8431.6	8448.7	8489.5	8395.1
40°	8952.9	8884.3	8983.0	8948.6	8912.2	8907.9	8916.5	8927.2	8980.8	8875.7
42.5°	9480.7	9407.8	9555.8	9502.2	9450.7	9416.3	9444.2	9465.7	9517.2	9399.2
45°	10083.6	9999.9	10193.0	10128.6	10047.1	9976.3	10021.4	10053.5	10128.6	9987.0
47.5°	10748.7	10654.3	10860.2	10840.9	10707.9	10553.4	10656.4	10748.7	10804.4	10632.8
50°	11398.7	11325.8	11596.1	11619.7	11456.7	11240.0	11383.7	11523.2	11538.2	11312.9
52.5°	12008.0	11935.1	12327.7	12475.7	12329.9	12072.4	12224.7	12366.3	12252.6	11960.8
55°	12495.0	12435.0	12934.9	13316.8	13366.1	13153.7	13243.8	13239.5	12866.2	12417.8
57.5°	12613.0	12604.5	13235.2	14044.1	14559.0	14584.7	14406.6	13951.8	13147.3	12544.4
60°	12076.7	12130.3	12997.1	14423.8	15796.9	16367.6	15597.4	14299.4	12827.6	11990.9
62.5°	10471.9	10613.5	11658.3	13960.4	16796.7	18418.6	16552.1	13771.6	11514.6	10422.6
65°	7504.8	7751.5	8905.7	11913.6	16706.6	20220.8	16414.8	11817.1	8991.5	7732.2
67.5°	3404.8	3655.8	4636.3	8157.0	14522.5	19731.6	14488.2	8242.8	4868.0	3668.7
70°	1233.6	1276.5	1591.9	3265.4	9281.2	15721.8	9678.1	3289.0	1692.8	1360.2
72.5°	746.6	753.0	819.6	1169.3	3224.6	9545.1	3361.9	1207.9	836.7	742.3
75°	474.1	469.9	583.6	714.4	1143.5	3220.3	1199.3	714.4	581.4	529.9
77.5°	341.1	351.9	418.4	534.2	720.9	1092.0	708.0	510.6	418.4	343.3
80°	255.3	261.7	304.7	416.2	506.3	680.1	450.5	377.6	315.4	214.5
82.5°	184.5	184.5	199.5	302.5	308.9	366.9	244.6	266.0	208.1	152.3
85°	109.4	107.3	124.4	180.2	160.9	135.2	111.6	163.1	130.9	94.4
87.5°	38.6	40.8	38.6	51.5	42.9	36.5	34.3	45.1	36.5	32.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5089.0
5119.0
5189.8
5297.1
5425.8
5558.8
5704.7
5904.3
6129.5
6372.0
6644.4
6927.6
7236.6
7599.2
8006.8
8453.0
8910.0
9461.4
10060.0
10690.7
11340.8
11969.4
12432.8
12505.8
11892.2
10358.2
7639.9
3615.1
1343.0
755.2
534.2
349.7
221.0
152.3
92.3
30.0
0.0

OF REPORT)