

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: P953798

Luminaire Tested: **GALN-SB7B-730-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953798
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-SB7B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 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: 41964 lumens
Efficiency: N/A
Efficacy: 163.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 256.7
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

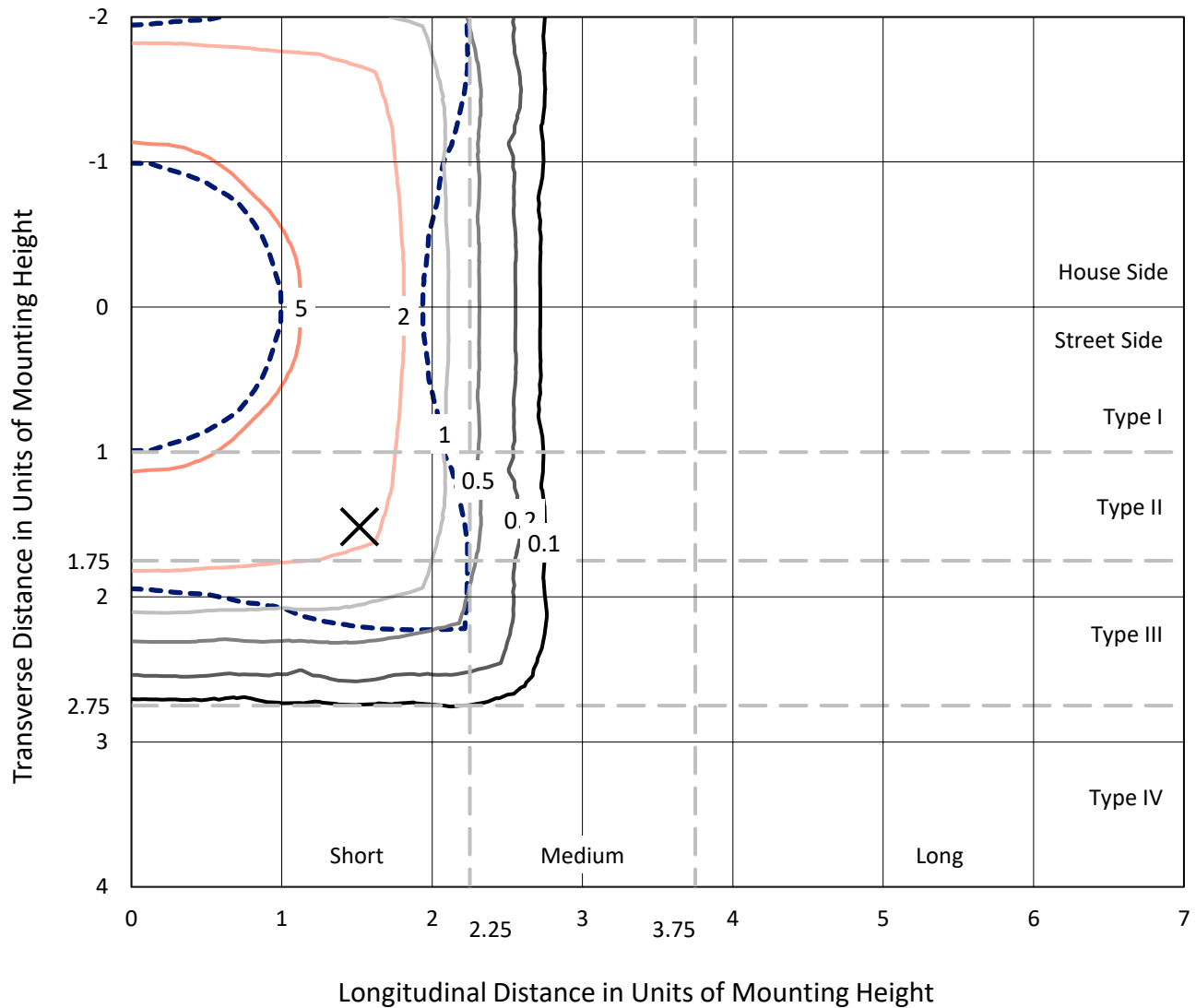


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

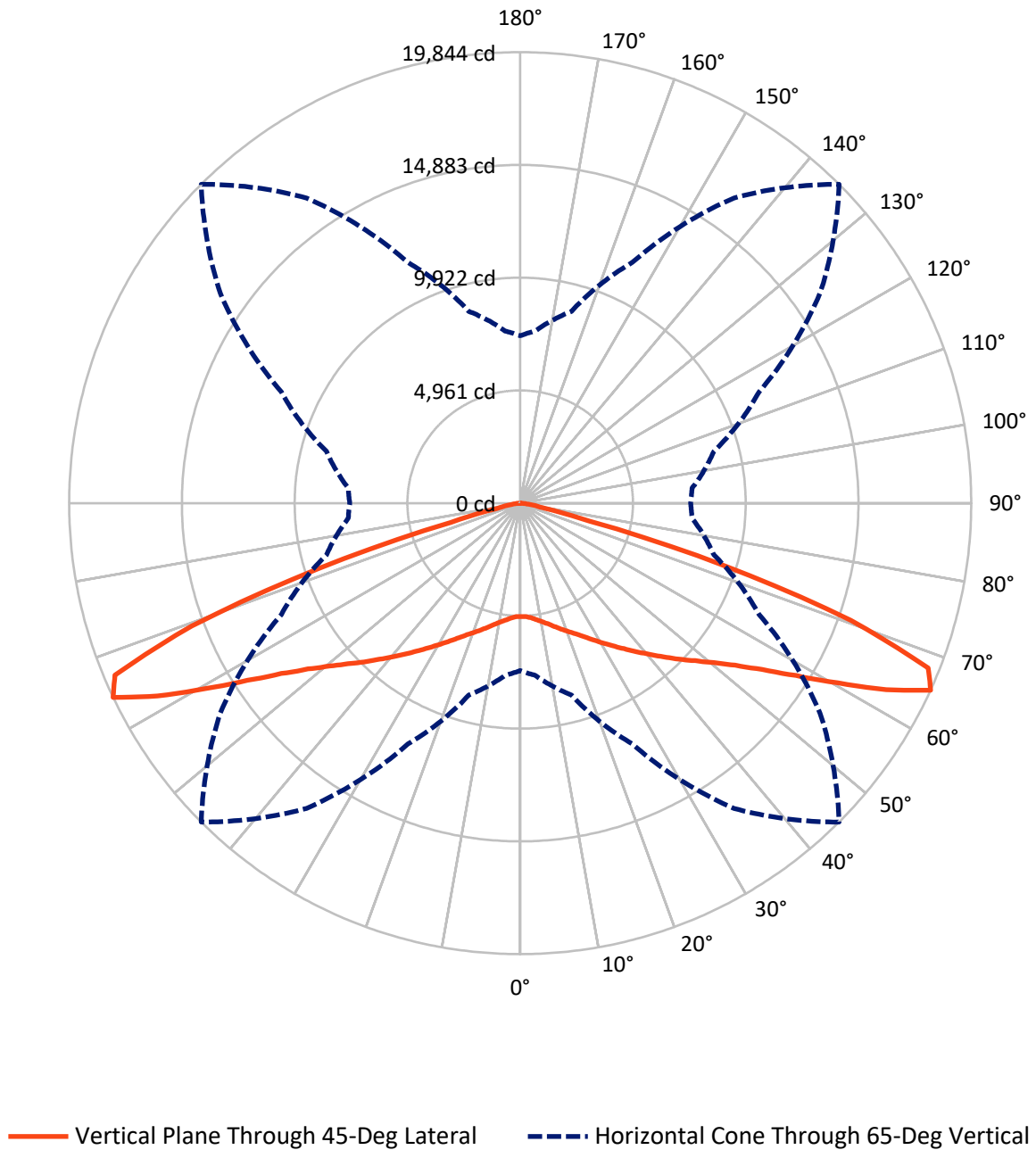


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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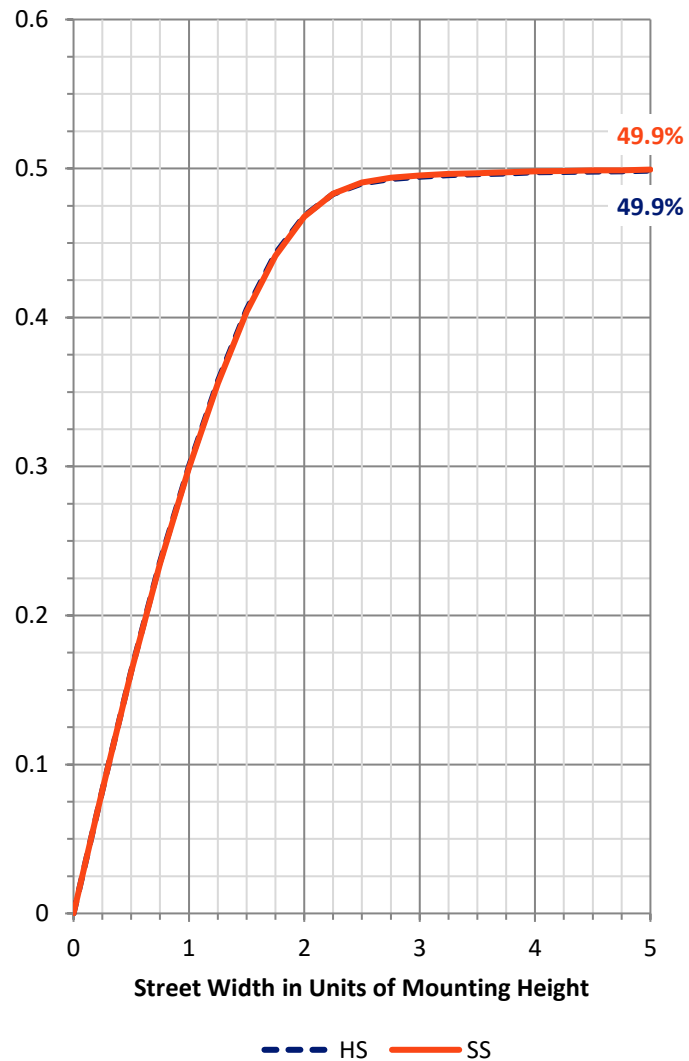
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20982.0	0.0	20982.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20982.0	0.0	20982.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	41964.0	0.0	41964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.9	1.2
10°-20°	1608.3	3.8
20°-30°	3036.6	7.2
30°-40°	4972.4	11.8
40°-50°	7709.7	18.4
50°-60°	11388.8	27.1
60°-70°	10841.1	25.8
70°-80°	1749.4	4.2
80°-90°	164.9	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°	41964.0	100.0
0°-180°	41964.0	100.0

Coefficient of Utilization



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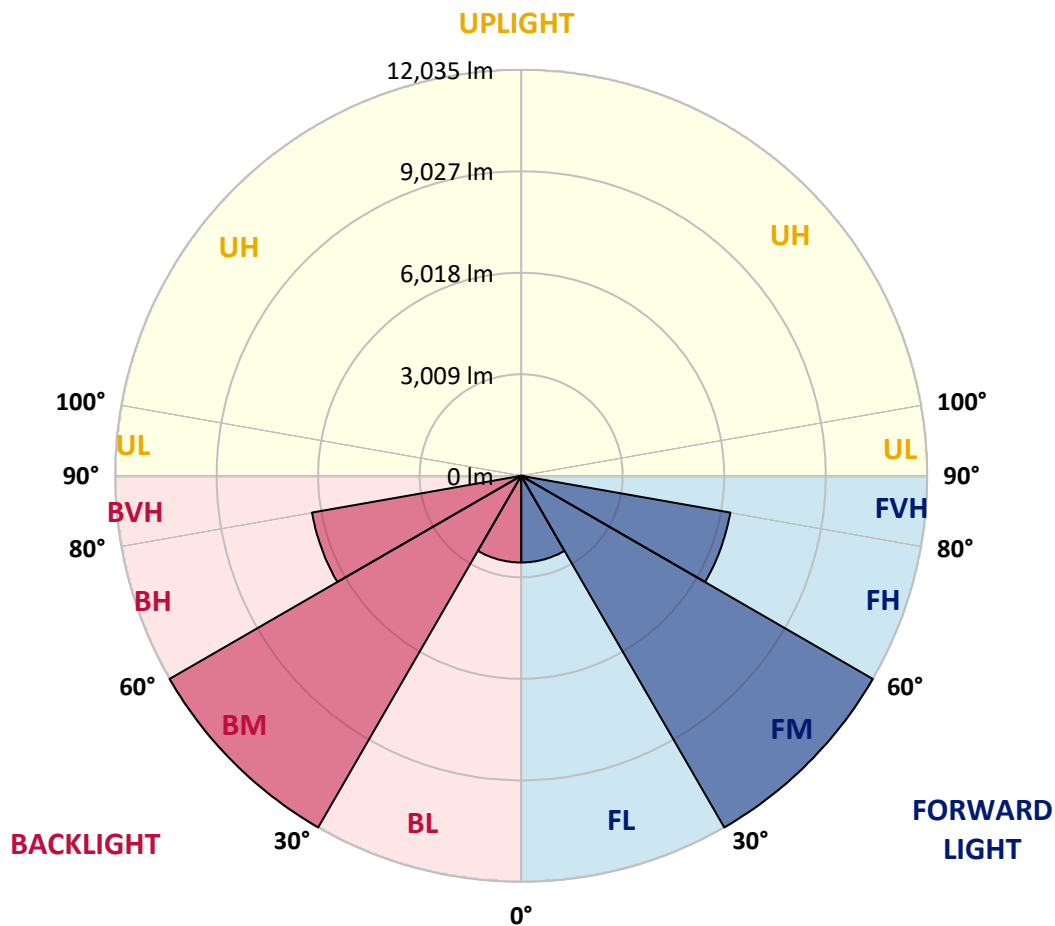
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2568.9	6.1			
FM	(30°-60°)	12035.4	28.7			
FH	(60°-80°)	6295.2	15.0			G3/7500
FVH	(80°-90°)	82.4	0.2			G1/100
BL	(0°-30°)	2568.9	6.1	B4/5000		
BM	(30°-60°)	12035.4	28.7	B5		
BH	(60°-80°)	6295.2	15.0	B5		G3/7500
BVH	(80°-90°)	82.4	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°	90°
0°	4994.1	4994.1	4994.1	4994.1	4994.1	4994.1	4994.1	4994.1	4994.1	4994.1	4994.1
2.5°	5027.8	5011.0	5023.6	5013.1	5004.7	4996.2	5000.5	5015.2	5021.5	5023.6	5023.6
5°	5095.2	5080.5	5086.8	5086.8	5072.0	5067.8	5069.9	5080.5	5093.1	5093.1	5093.1
7.5°	5204.7	5189.9	5204.7	5196.3	5183.6	5179.4	5177.3	5185.7	5204.7	5204.7	5198.4
10°	5337.3	5320.5	5328.9	5324.7	5310.0	5303.6	5301.5	5314.2	5331.0	5328.9	5324.7
12.5°	5482.6	5463.7	5474.2	5461.5	5457.3	5451.0	5451.0	5448.9	5459.4	5451.0	5455.2
15°	5644.7	5632.1	5636.3	5627.9	5634.2	5630.0	5613.1	5604.7	5608.9	5596.3	5598.4
17.5°	5836.3	5806.8	5821.6	5817.4	5817.4	5825.8	5798.4	5787.9	5796.3	5783.7	5794.2
20°	6057.4	6027.9	6034.2	6025.8	6015.3	6023.7	5990.0	5998.4	6004.8	5996.3	6015.3
22.5°	6299.5	6261.6	6259.5	6263.7	6240.6	6242.7	6219.5	6240.6	6253.2	6230.0	6253.2
25°	6548.0	6508.0	6535.3	6524.8	6495.3	6501.6	6484.8	6505.9	6516.4	6486.9	6520.6
27.5°	6811.1	6783.8	6809.0	6815.4	6779.6	6804.8	6779.6	6798.5	6809.0	6764.8	6798.5
30°	7118.5	7091.2	7114.3	7131.2	7089.1	7129.1	7108.0	7120.6	7122.7	7070.1	7101.7
32.5°	7453.3	7411.2	7470.1	7478.6	7432.3	7480.7	7453.3	7470.1	7480.7	7409.1	7457.5
35°	7861.8	7809.1	7876.5	7866.0	7826.0	7866.0	7840.7	7866.0	7891.2	7804.9	7857.6
37.5°	8301.8	8247.1	8318.6	8299.7	8261.8	8289.2	8274.4	8291.3	8331.3	8238.6	8295.5
40°	8786.1	8718.7	8815.5	8781.8	8746.1	8741.8	8750.3	8760.8	8813.4	8710.3	8743.9
42.5°	9304.0	9232.4	9377.7	9325.1	9274.5	9240.8	9268.2	9289.3	9339.8	9224.0	9285.0
45°	9895.6	9813.5	10003.0	9939.8	9859.8	9790.4	9834.6	9866.2	9939.8	9800.9	9872.5
47.5°	10548.3	10455.7	10657.8	10638.9	10508.3	10356.7	10457.8	10548.3	10603.1	10434.6	10491.5
50°	11186.3	11114.7	11380.0	11403.1	11243.1	11030.5	11171.5	11308.4	11323.1	11102.1	11129.4
52.5°	11784.2	11712.6	12097.9	12243.2	12100.0	11847.4	11996.9	12135.8	12024.2	11737.9	11746.3
55°	12262.2	12203.2	12693.8	13068.5	13117.0	12908.5	12997.0	12992.8	12626.4	12186.4	12201.1
57.5°	12378.0	12369.5	12988.5	13782.3	14287.6	14312.9	14138.1	13691.8	12902.2	12310.6	12272.7
60°	11851.6	11904.2	12754.8	14155.0	15502.5	16062.5	15306.6	14032.8	12588.5	11767.4	11670.5
62.5°	10276.7	10415.7	11441.0	13700.2	16483.6	18075.3	16243.6	13514.9	11300.0	10228.3	10165.1
65°	7364.9	7607.0	8739.7	11691.6	16395.2	19843.9	16108.8	11596.8	8824.0	7588.1	7497.5
67.5°	3341.4	3587.7	4549.9	8004.9	14251.8	19363.9	14218.1	8089.2	4777.3	3600.3	3547.7
70°	1210.6	1252.7	1562.2	3204.5	9108.2	15428.8	9497.7	3227.7	1661.2	1334.9	1318.0
72.5°	732.7	739.0	804.3	1147.5	3164.5	9367.2	3299.2	1185.4	821.1	728.5	741.1
75°	465.3	461.1	572.7	701.1	1122.2	3160.3	1176.9	701.1	570.6	520.0	524.3
77.5°	334.8	345.3	410.6	524.3	707.4	1071.7	694.8	501.1	410.6	336.9	343.2
80°	250.5	256.9	299.0	408.5	496.9	667.4	442.1	370.6	309.5	210.5	216.9
82.5°	181.1	181.1	195.8	296.9	303.2	360.0	240.0	261.1	204.2	149.5	149.5
85°	107.4	105.3	122.1	176.9	157.9	132.6	109.5	160.0	128.4	92.6	90.5
87.5°	37.9	40.0	37.9	50.5	42.1	35.8	33.7	44.2	35.8	31.6	29.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)