

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: P955226

Luminaire Tested: **GALN-SB8B-730-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955226
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-SB8B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 47714 lumens
Efficiency: N/A
Efficacy: 163.0 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): 292.8
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

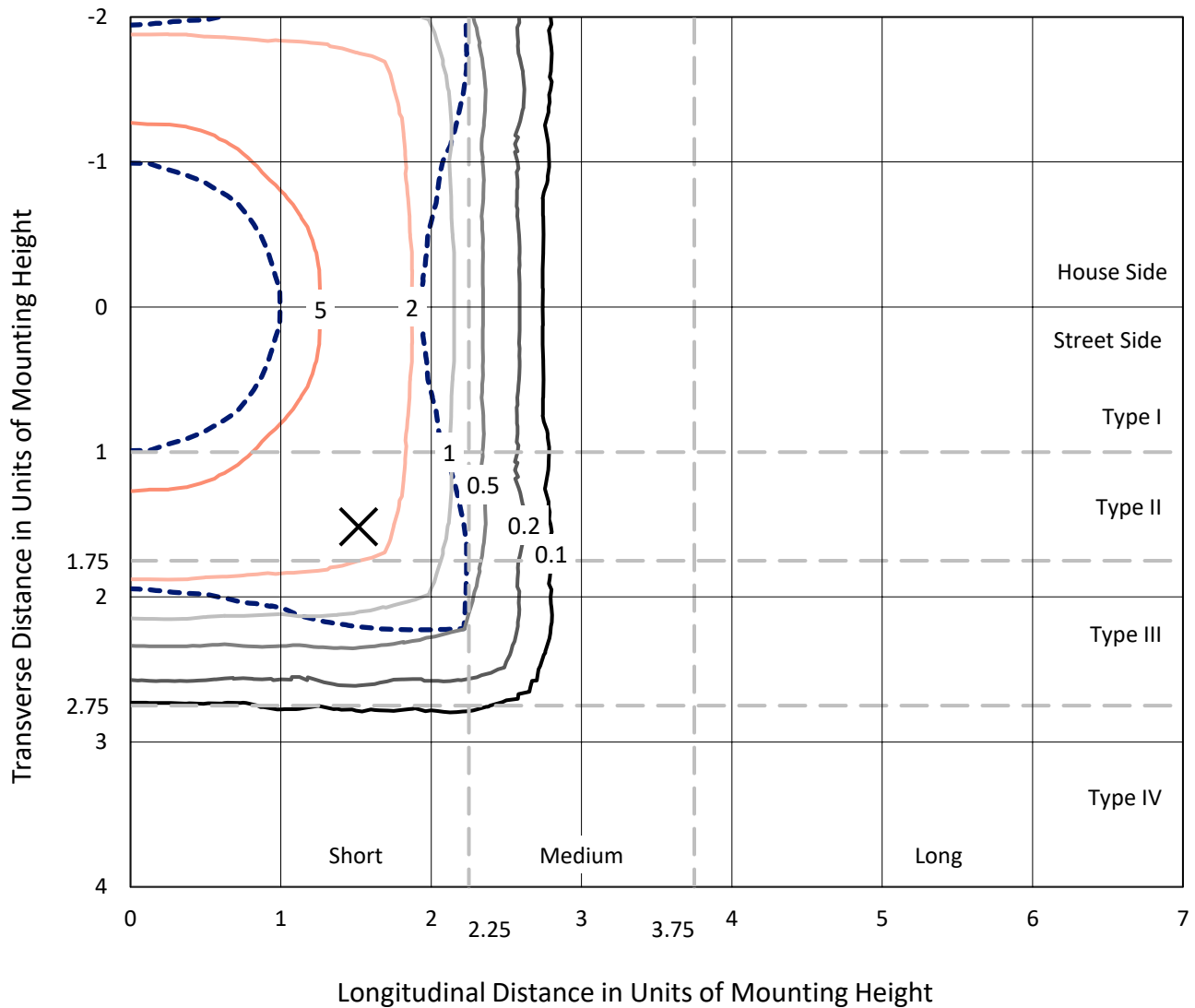


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

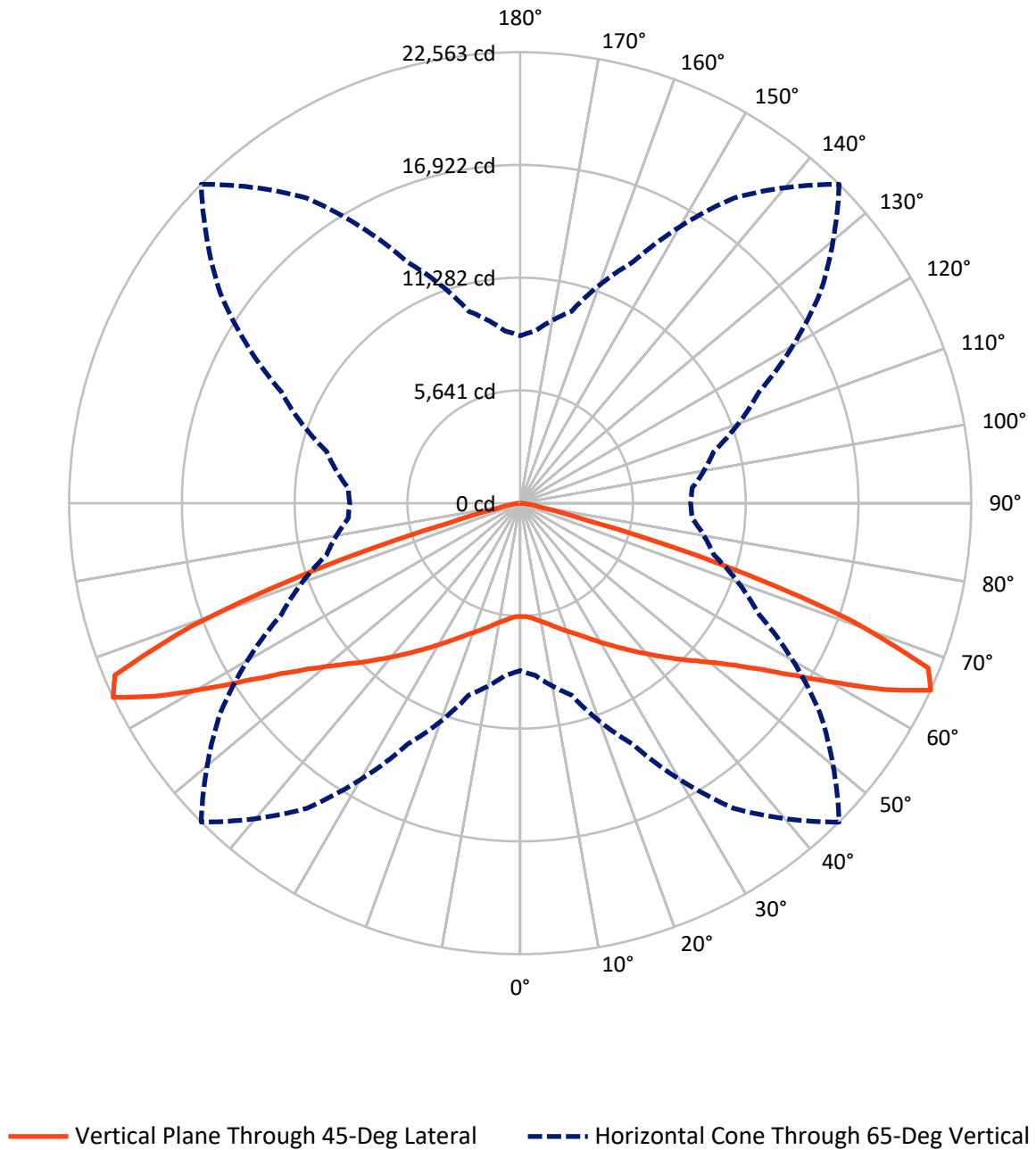


Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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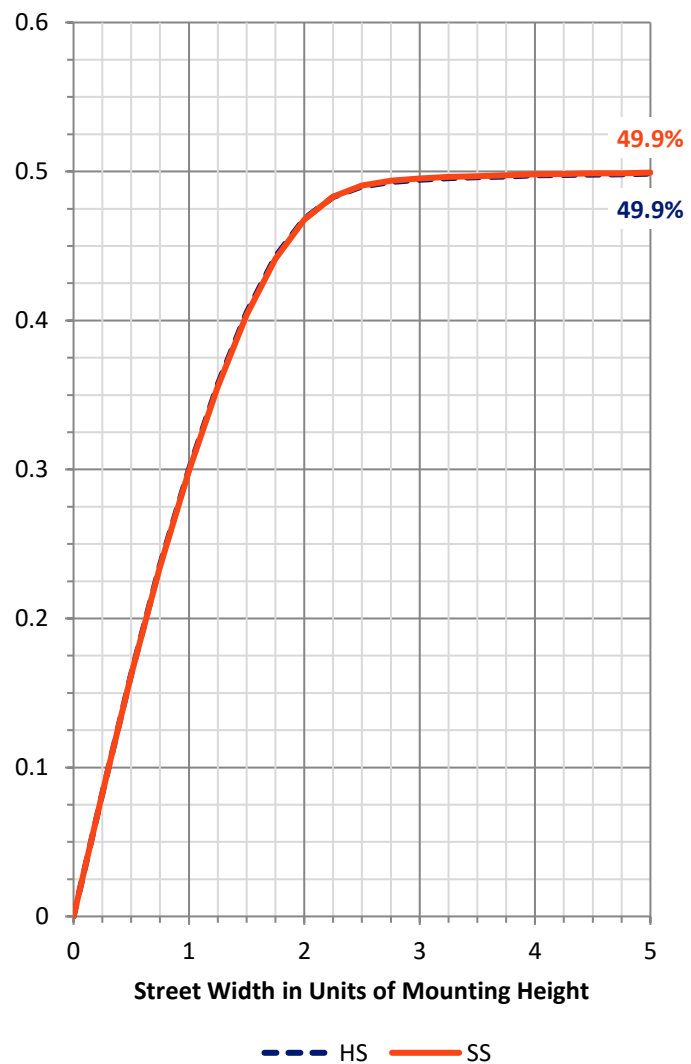
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23857.0	0.0	23857.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23857.0	0.0	23857.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47714.0	0.0	47714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.4	1.2
10°-20°	1828.7	3.8
20°-30°	3452.7	7.2
30°-40°	5653.7	11.8
40°-50°	8766.1	18.4
50°-60°	12949.3	27.1
60°-70°	12326.6	25.8
70°-80°	1989.1	4.2
80°-90°	187.5	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°	47714.0	100.0
0°-180°	47714.0	100.0

Coefficient of Utilization



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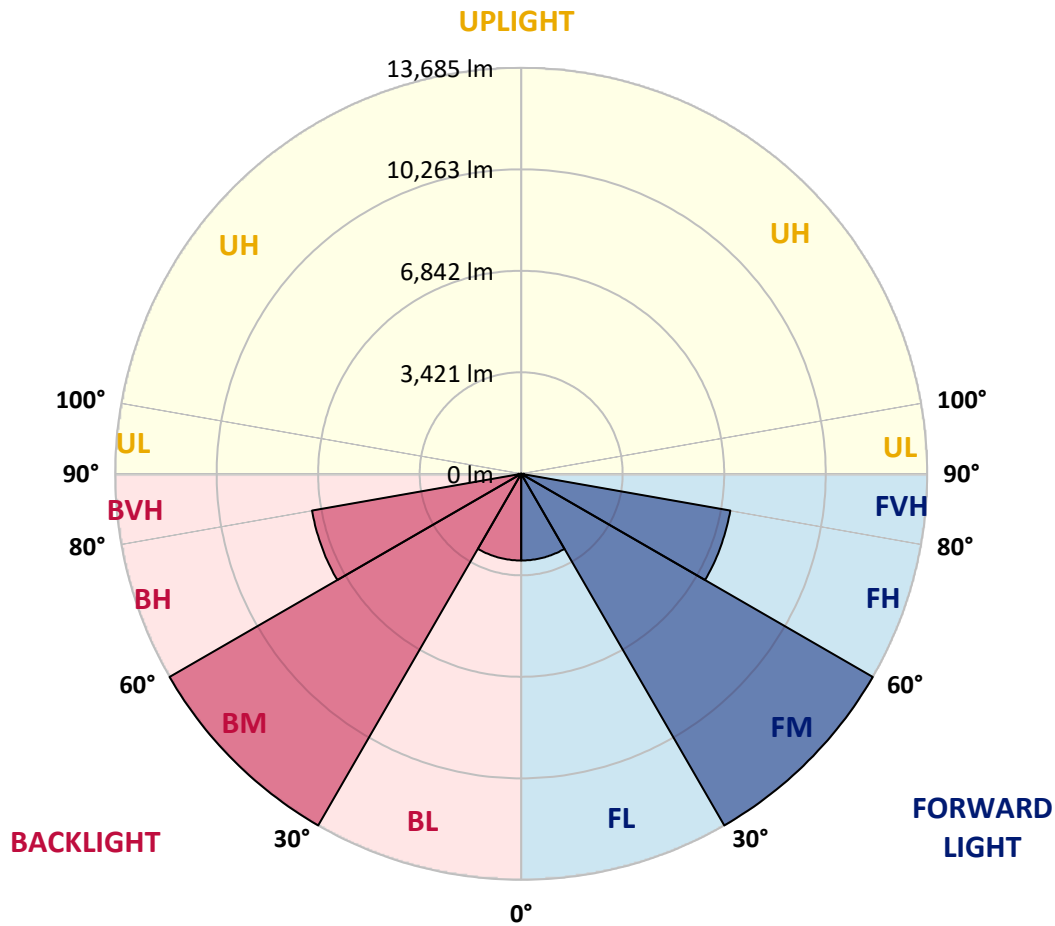
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2920.9	6.1			
FM	(30°-60°)	13684.6	28.7			
FH	(60°-80°)	7157.8	15.0			G3/7500
FVH	(80°-90°)	93.7	0.2			G1/100
BL	(0°-30°)	2920.9	6.1	B4/5000		
BM	(30°-60°)	13684.6	28.7	B5		
BH	(60°-80°)	7157.8	15.0	B5		G3/7500
BVH	(80°-90°)	93.7	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°	5678.4	5678.4	5678.4	5678.4	5678.4	5678.4	5678.4	5678.4	5678.4	5678.4	5678.4
2.5°	5716.7	5697.6	5712.0	5700.0	5690.4	5680.8	5685.6	5702.4	5709.6	5712.0	5712.0
5°	5793.4	5776.6	5783.8	5783.8	5767.0	5762.2	5764.6	5776.6	5791.0	5791.0	5791.0
7.5°	5917.8	5901.1	5917.8	5908.3	5893.9	5889.1	5886.7	5896.3	5917.8	5917.8	5910.7
10°	6068.7	6049.5	6059.1	6054.3	6037.5	6030.4	6028.0	6042.3	6061.5	6059.1	6054.3
12.5°	6233.8	6212.3	6224.3	6209.9	6205.1	6197.9	6197.9	6195.5	6207.5	6197.9	6202.7
15°	6418.2	6403.8	6408.6	6399.0	6406.2	6401.4	6382.3	6372.7	6377.5	6363.1	6365.5
17.5°	6636.0	6602.5	6619.3	6614.5	6614.5	6624.1	6592.9	6581.0	6590.5	6576.2	6588.1
20°	6887.4	6853.9	6861.1	6851.5	6839.5	6849.1	6810.8	6820.4	6827.5	6818.0	6839.5
22.5°	7162.7	7119.6	7117.2	7122.0	7095.7	7098.1	7071.7	7095.7	7110.0	7083.7	7110.0
25°	7445.2	7399.7	7430.8	7418.8	7385.3	7392.5	7373.4	7397.3	7409.3	7375.8	7414.1
27.5°	7744.4	7713.3	7742.0	7749.2	7708.5	7737.2	7708.5	7730.1	7742.0	7691.8	7730.1
30°	8093.9	8062.8	8089.1	8108.3	8060.4	8105.9	8082.0	8096.3	8098.7	8038.9	8074.8
32.5°	8474.6	8426.7	8493.7	8503.3	8450.6	8505.7	8474.6	8493.7	8505.7	8424.3	8479.4
35°	8939.0	8879.2	8955.8	8943.8	8898.3	8943.8	8915.1	8943.8	8972.5	8874.4	8934.2
37.5°	9439.3	9377.1	9458.5	9436.9	9393.8	9425.0	9408.2	9427.4	9472.8	9367.5	9432.2
40°	9989.9	9913.3	10023.5	9985.2	9944.5	9939.7	9949.2	9961.2	10021.1	9903.8	9942.1
42.5°	10578.9	10497.5	10662.6	10602.8	10545.3	10507.0	10538.2	10562.1	10619.6	10487.9	10557.3
45°	11251.6	11158.2	11373.6	11301.8	11210.9	11131.9	11182.1	11218.0	11301.8	11143.8	11225.2
47.5°	11993.7	11888.3	12118.2	12096.6	11948.2	11775.8	11890.7	11993.7	12055.9	11864.4	11929.0
50°	12719.0	12637.6	12939.3	12965.6	12783.7	12541.9	12702.3	12857.9	12874.6	12623.3	12654.4
52.5°	13398.9	13317.5	13755.6	13920.8	13758.0	13470.7	13640.7	13798.7	13671.8	13346.3	13355.8
55°	13942.3	13875.3	14433.1	14859.2	14914.3	14677.3	14777.8	14773.0	14356.5	13856.2	13872.9
57.5°	14074.0	14064.4	14768.3	15670.8	16245.3	16274.1	16075.4	15567.8	14670.1	13997.4	13954.3
60°	13475.5	13535.4	14502.5	16094.5	17626.6	18263.4	17404.0	15955.7	14313.4	13379.8	13269.7
62.5°	11684.9	11842.9	13008.7	15577.4	18742.2	20552.0	18469.3	15366.7	12848.3	11629.8	11558.0
65°	8374.0	8649.3	9937.3	13293.6	18641.7	22563.0	18316.1	13185.9	10033.0	8627.8	8524.8
67.5°	3799.2	4079.3	5173.3	9101.8	16204.6	22017.1	16166.3	9197.5	5431.9	4093.7	4033.8
70°	1376.5	1424.4	1776.3	3643.6	10356.2	17542.8	10799.1	3669.9	1888.8	1517.8	1498.6
72.5°	833.1	840.3	914.5	1304.7	3598.1	10650.7	3751.3	1347.8	933.6	828.3	842.7
75°	529.1	524.3	651.2	797.2	1276.0	3593.3	1338.2	797.2	648.8	591.3	596.1
77.5°	380.6	392.6	466.8	596.1	804.4	1218.5	790.0	569.8	466.8	383.0	390.2
80°	284.9	292.1	339.9	464.4	565.0	758.9	502.7	421.3	351.9	239.4	246.6
82.5°	205.9	205.9	222.6	337.5	344.7	409.4	272.9	296.8	232.2	170.0	170.0
85°	122.1	119.7	138.8	201.1	179.5	150.8	124.5	181.9	146.0	105.3	102.9
87.5°	43.1	45.5	43.1	57.5	47.9	40.7	38.3	50.3	40.7	35.9	33.5
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)