

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: P951950

Luminaire Tested: **GALN-SB5D-950-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951950  
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-SB5D-950-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

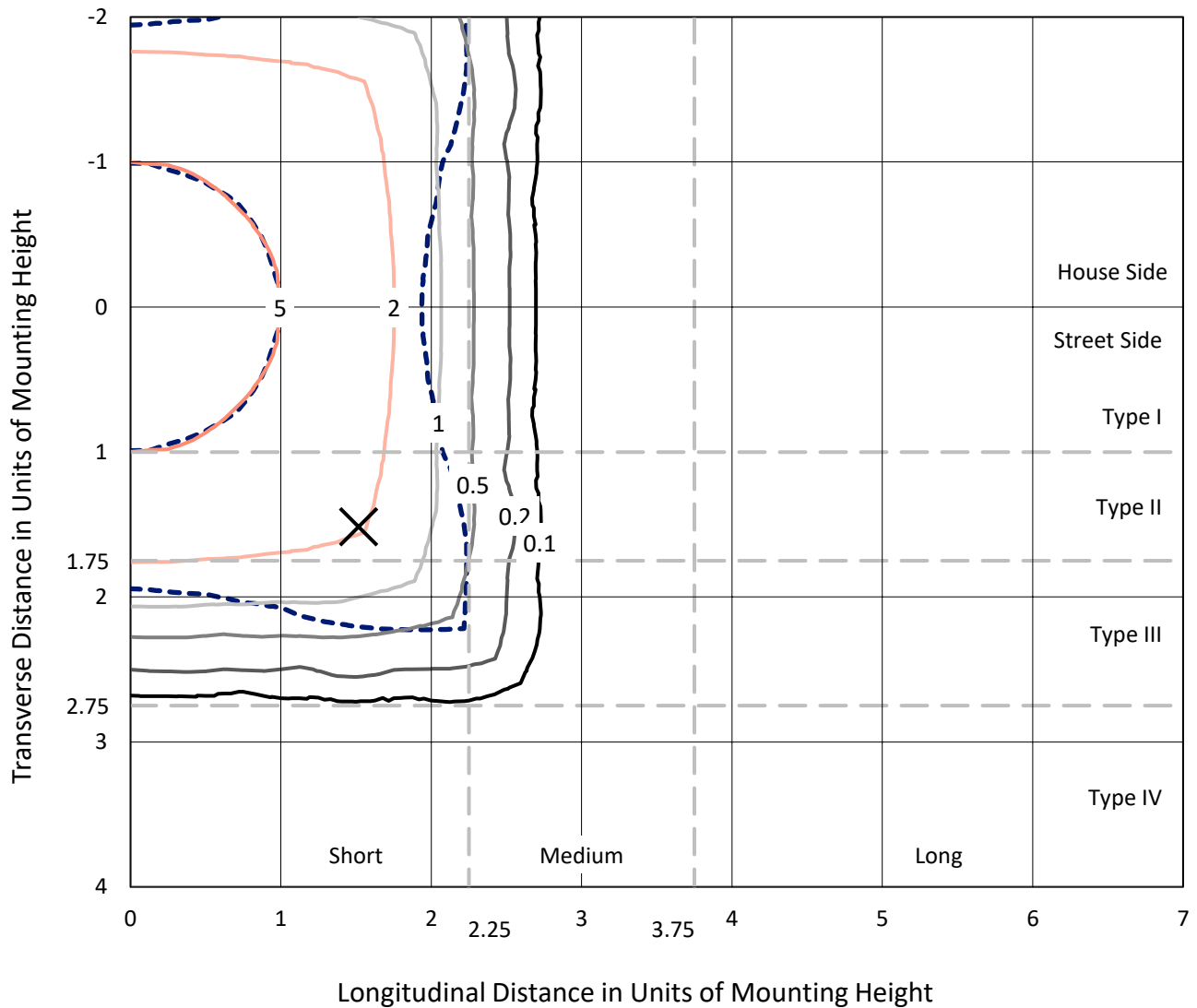
Lumens per Lamp: N/A  
Luminaire Lumens: 37471 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

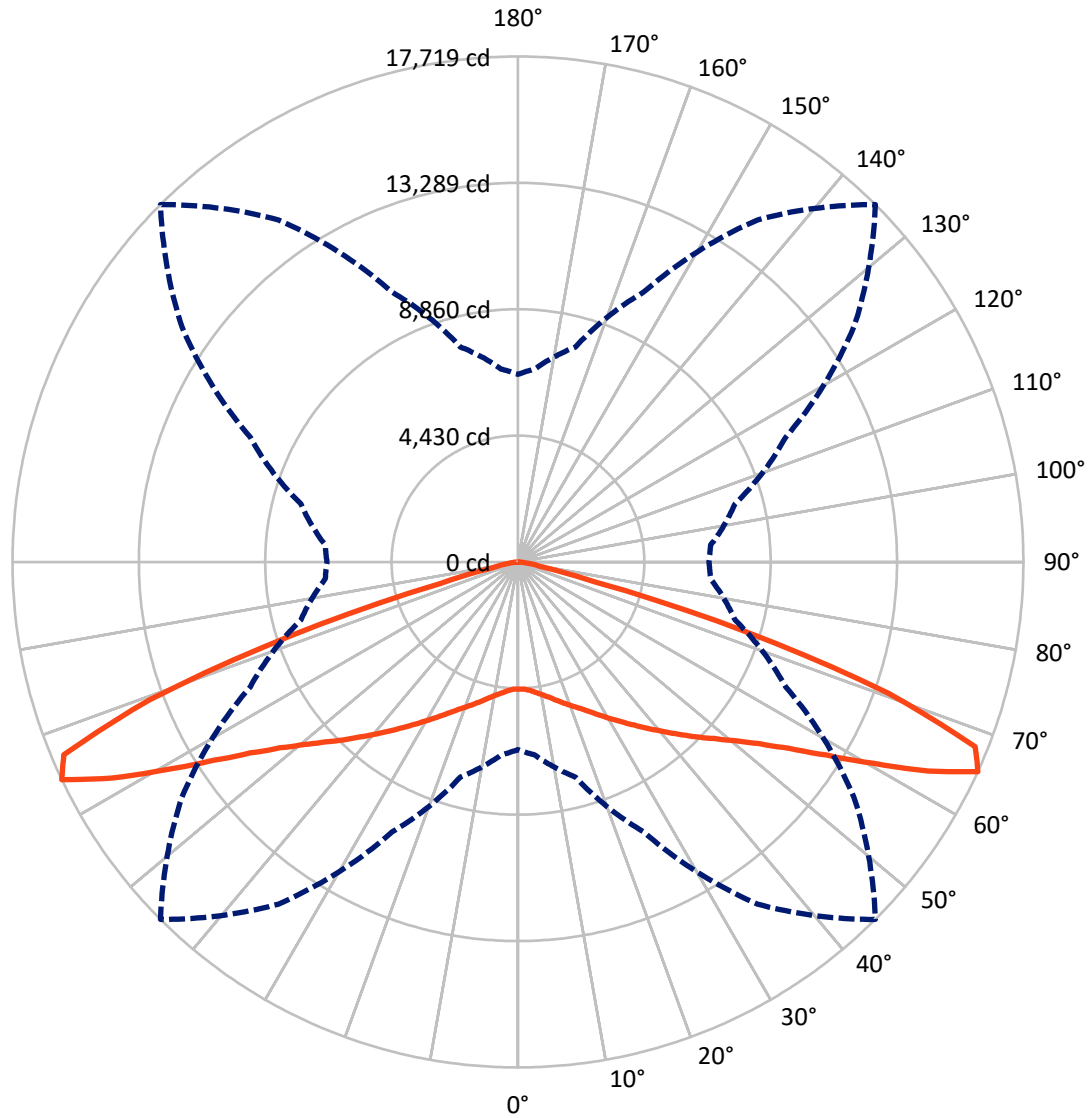
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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
<b>House Side</b>	Lumens	18735.5	0.0	18735.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18735.5	0.0	18735.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37471.0	0.0	37471.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.1	1.2
10°-20°	1436.1	3.8
20°-30°	2711.5	7.2
30°-40°	4440.0	11.8
40°-50°	6884.2	18.4
50°-60°	10169.4	27.1
60°-70°	9680.4	25.8
70°-80°	1562.1	4.2
80°-90°	147.2	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°	37471.0	100.0
0°-180°	37471.0	100.0



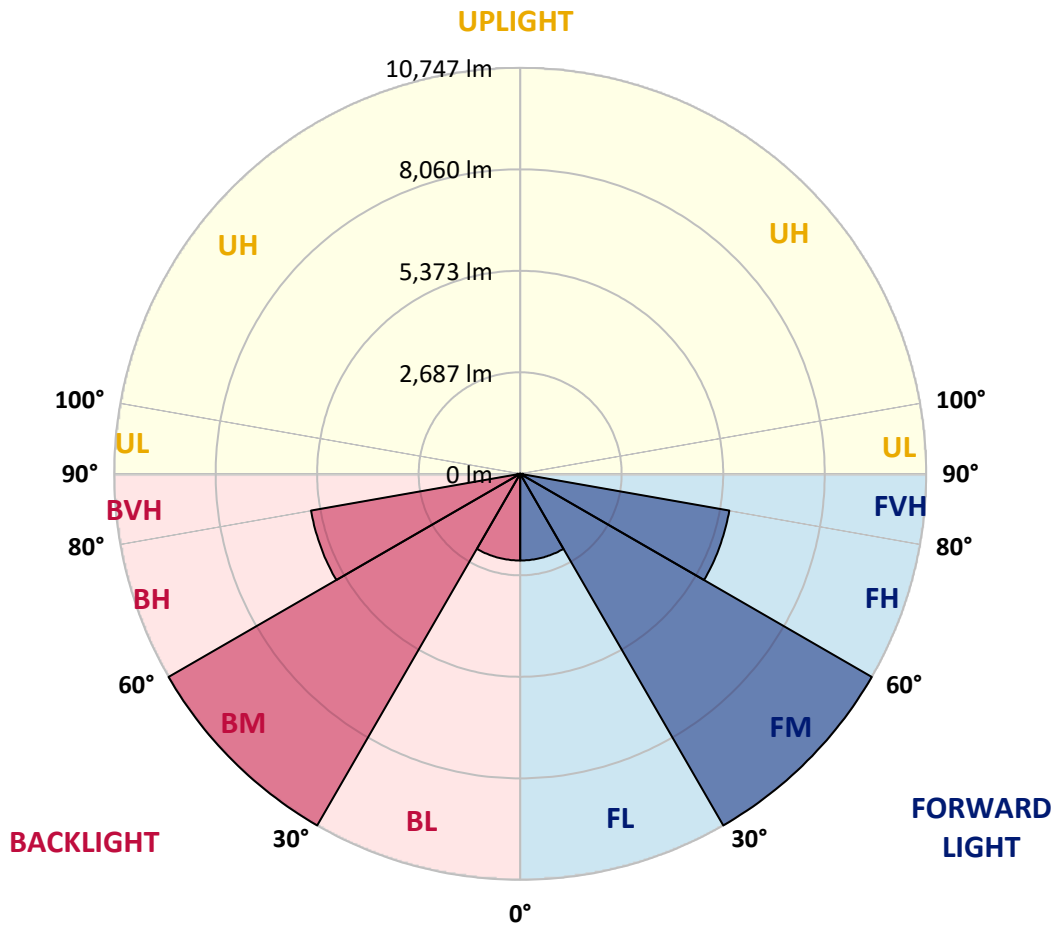
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2293.8	6.1			
FM (30°-60°)	10746.8	28.7			
FH (60°-80°)	5621.2	15.0			G3/7500
FVH (80°-90°)	73.6	0.2			G1/100
BL (0°-30°)	2293.8	6.1	B3/2500		
BM (30°-60°)	10746.8	28.7	B5		
BH (60°-80°)	5621.2	15.0	B5		G3/7500
BVH (80°-90°)	73.6	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°	4459.4	4459.4	4459.4	4459.4	4459.4	4459.4	4459.4	4459.4	4459.4	4459.4
2.5°	4489.5	4474.5	4485.7	4476.3	4468.8	4461.3	4465.1	4478.2	4483.9	4485.7
5°	4549.7	4536.5	4542.1	4542.1	4529.0	4525.2	4527.1	4536.5	4547.8	4547.8
7.5°	4647.4	4634.3	4647.4	4639.9	4628.6	4624.9	4623.0	4630.5	4647.4	4647.4
10°	4765.9	4750.8	4758.3	4754.6	4741.4	4735.8	4733.9	4745.2	4760.2	4758.3
12.5°	4895.6	4878.7	4888.1	4876.8	4873.0	4867.4	4867.4	4865.5	4874.9	4867.4
15°	5040.4	5029.1	5032.8	5025.3	5031.0	5027.2	5012.2	5004.6	5008.4	4997.1
17.5°	5211.4	5185.1	5198.3	5194.5	5194.5	5202.0	5177.6	5168.2	5175.7	5164.4
20°	5408.8	5382.5	5388.2	5380.6	5371.2	5378.8	5348.7	5356.2	5361.8	5354.3
22.5°	5625.0	5591.2	5589.3	5593.1	5572.4	5574.3	5553.6	5572.4	5583.7	5563.0
25°	5846.9	5811.2	5835.6	5826.2	5799.9	5805.5	5790.5	5809.3	5818.7	5792.4
27.5°	6081.9	6057.4	6080.0	6085.6	6053.7	6076.2	6053.7	6070.6	6080.0	6040.5
30°	6356.4	6331.9	6352.6	6367.7	6330.1	6365.8	6347.0	6358.3	6360.1	6313.1
32.5°	6655.3	6617.7	6670.3	6677.9	6636.5	6679.7	6655.3	6670.3	6679.7	6615.8
35°	7020.0	6973.0	7033.2	7023.8	6988.1	7023.8	7001.2	7023.8	7046.3	6969.3
37.5°	7412.9	7364.1	7428.0	7411.1	7377.2	7401.7	7388.5	7403.5	7439.3	7356.5
40°	7845.4	7785.2	7871.7	7841.6	7809.6	7805.9	7813.4	7822.8	7869.8	7777.7
42.5°	8307.8	8243.9	8373.6	8326.6	8281.5	8251.4	8275.9	8294.7	8339.8	8236.4
45°	8836.1	8762.8	8932.0	8875.6	8804.2	8742.1	8781.6	8809.8	8875.6	8751.5
47.5°	9418.9	9336.2	9516.7	9499.8	9383.2	9247.9	9338.1	9418.9	9467.8	9317.4
50°	9988.6	9924.7	10161.5	10182.2	10039.3	9849.5	9975.4	10097.6	10110.8	9913.4
52.5°	10522.5	10458.6	10802.6	10932.4	10804.5	10578.9	10712.4	10836.5	10736.8	10481.1
55°	10949.3	10896.6	11334.7	11669.3	11712.6	11526.4	11605.4	11601.6	11274.5	10881.6
57.5°	11052.7	11045.2	11597.9	12306.7	12757.9	12780.4	12624.4	12225.8	11520.8	10992.5
60°	10582.7	10629.7	11389.2	12639.4	13842.6	14342.7	13667.8	12530.4	11240.7	10507.5
62.5°	9176.4	9300.5	10216.1	12233.3	14718.7	16140.0	14504.4	12067.9	10090.1	9133.2
65°	6576.3	6792.5	7804.0	10439.8	14639.8	17719.3	14384.1	10355.2	7879.2	6775.6
67.5°	2983.6	3203.6	4062.7	7147.9	12725.9	17290.6	12695.8	7223.1	4265.8	3214.8
70°	1081.0	1118.6	1395.0	2861.4	8133.0	13776.8	8480.8	2882.1	1483.3	1191.9
72.5°	654.2	659.9	718.2	1024.6	2825.7	8364.2	2946.0	1058.5	733.2	650.5
75°	415.5	411.7	511.4	626.0	1002.1	2821.9	1050.9	626.0	509.5	464.4
77.5°	298.9	308.3	366.6	468.1	631.7	956.9	620.4	447.4	366.6	300.8
80°	223.7	229.4	267.0	364.7	443.7	596.0	394.8	330.9	276.4	188.0
82.5°	161.7	161.7	174.8	265.1	270.7	321.5	214.3	233.1	182.4	133.5
85°	95.9	94.0	109.0	157.9	141.0	118.4	97.8	142.9	114.7	82.7
87.5°	33.8	35.7	33.8	45.1	37.6	32.0	30.1	39.5	32.0	28.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4459.4
4485.7
4547.8
4641.8
4754.6
4871.1
4999.0
5173.8
5371.2
5583.7
5822.4
6070.6
6341.3
6659.1
7016.3
7407.3
7807.8
8290.9
8815.4
9368.2
9937.8
10488.7
10894.8
10958.7
10421.0
9076.8
6694.8
3167.8
1176.9
661.8
468.1
306.4
193.6
133.5
80.8
26.3
0.0

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