

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: P957326

Luminaire Tested: **GALN-SB9D-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957326
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-SB9D-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 80234 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 658
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

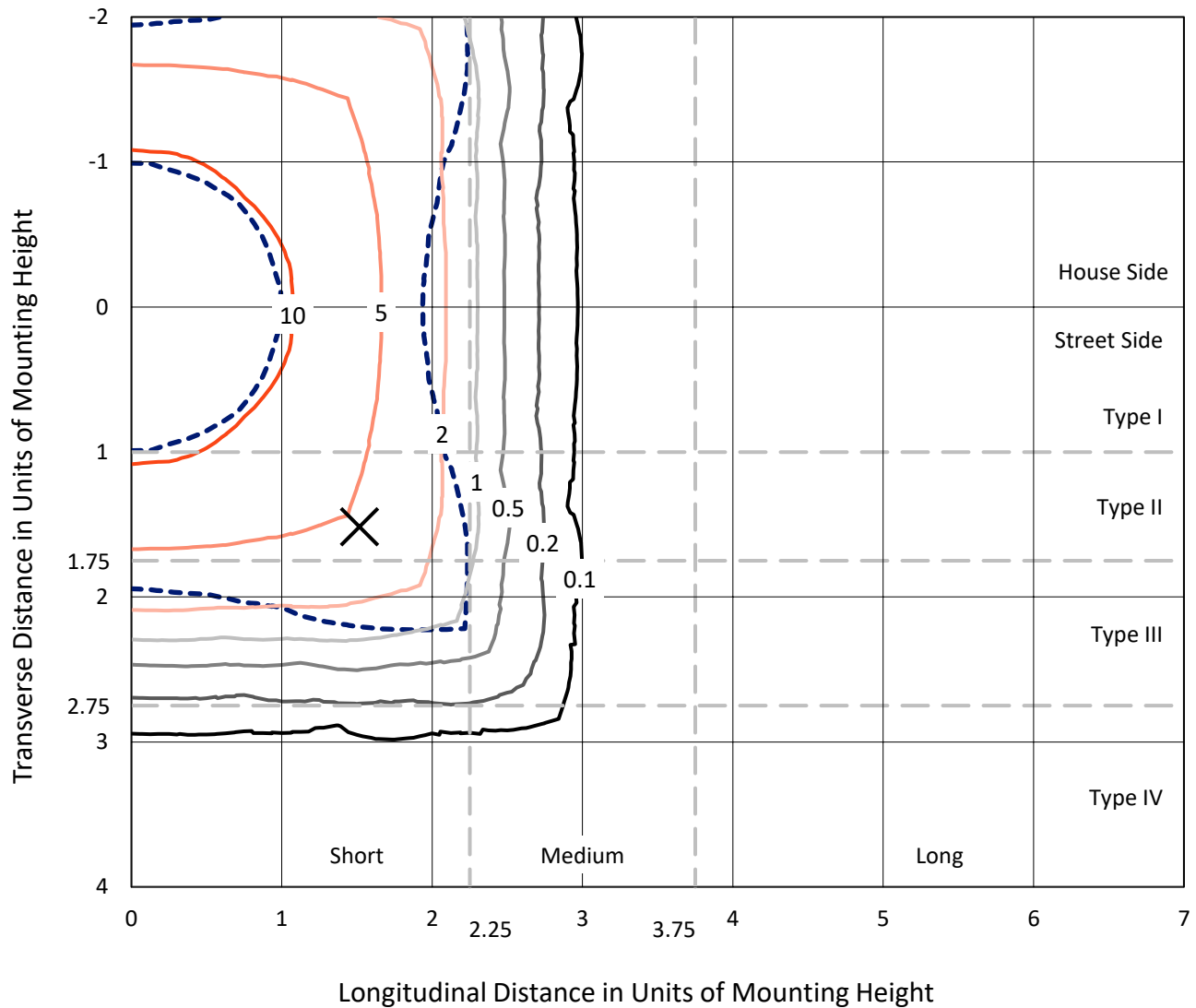


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

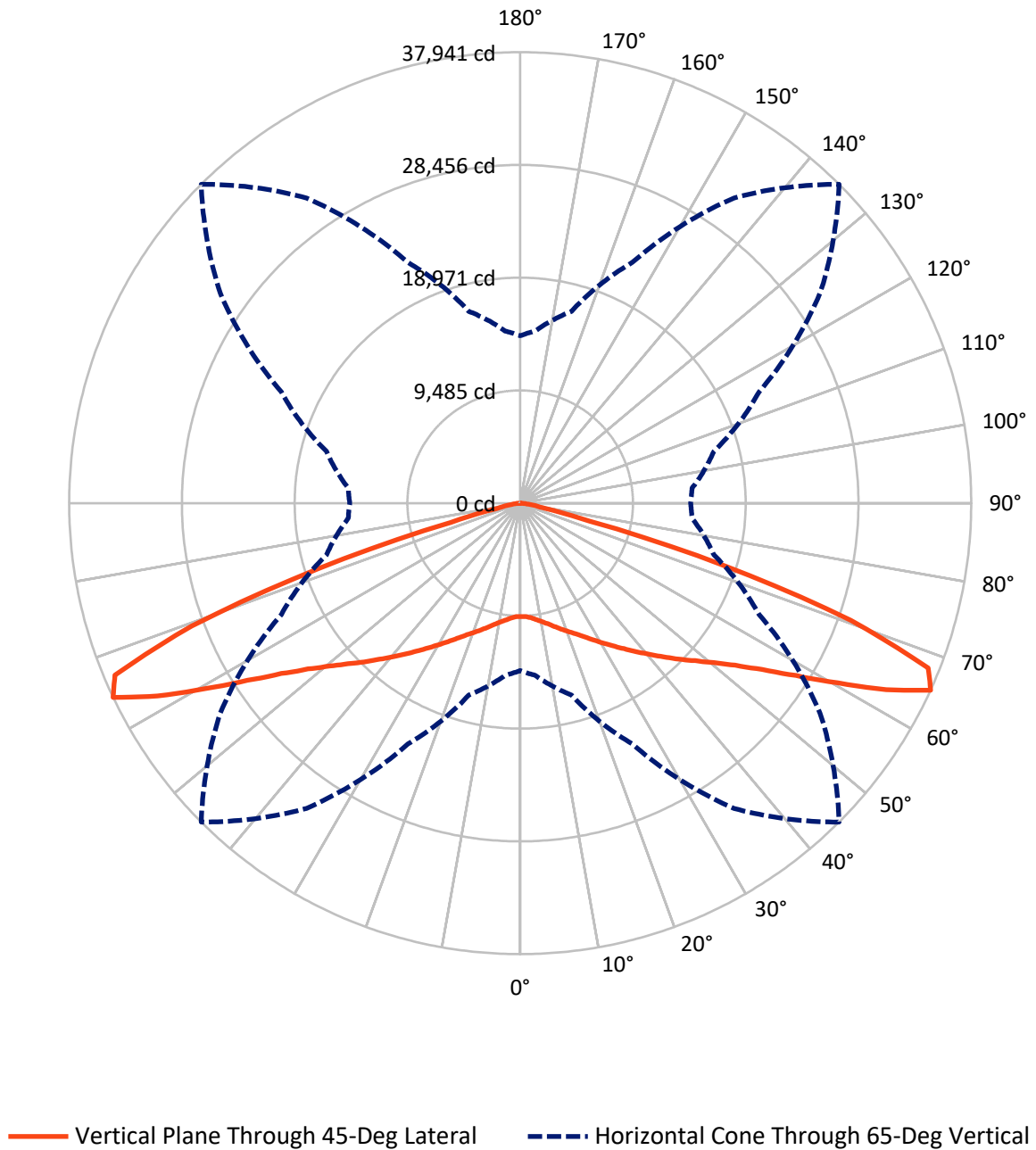


Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40117.0	0.0	40117.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	40117.0	0.0	40117.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	80234.0	0.0	80234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	942.4	1.2
10°-20°	3075.0	3.8
20°-30°	5805.9	7.2
30°-40°	9507.0	11.8
40°-50°	14740.7	18.4
50°-60°	21775.1	27.1
60°-70°	20727.9	25.8
70°-80°	3344.7	4.2
80°-90°	315.3	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°	80234.0	100.0
0°-180°	80234.0	100.0

Coefficient of Utilization



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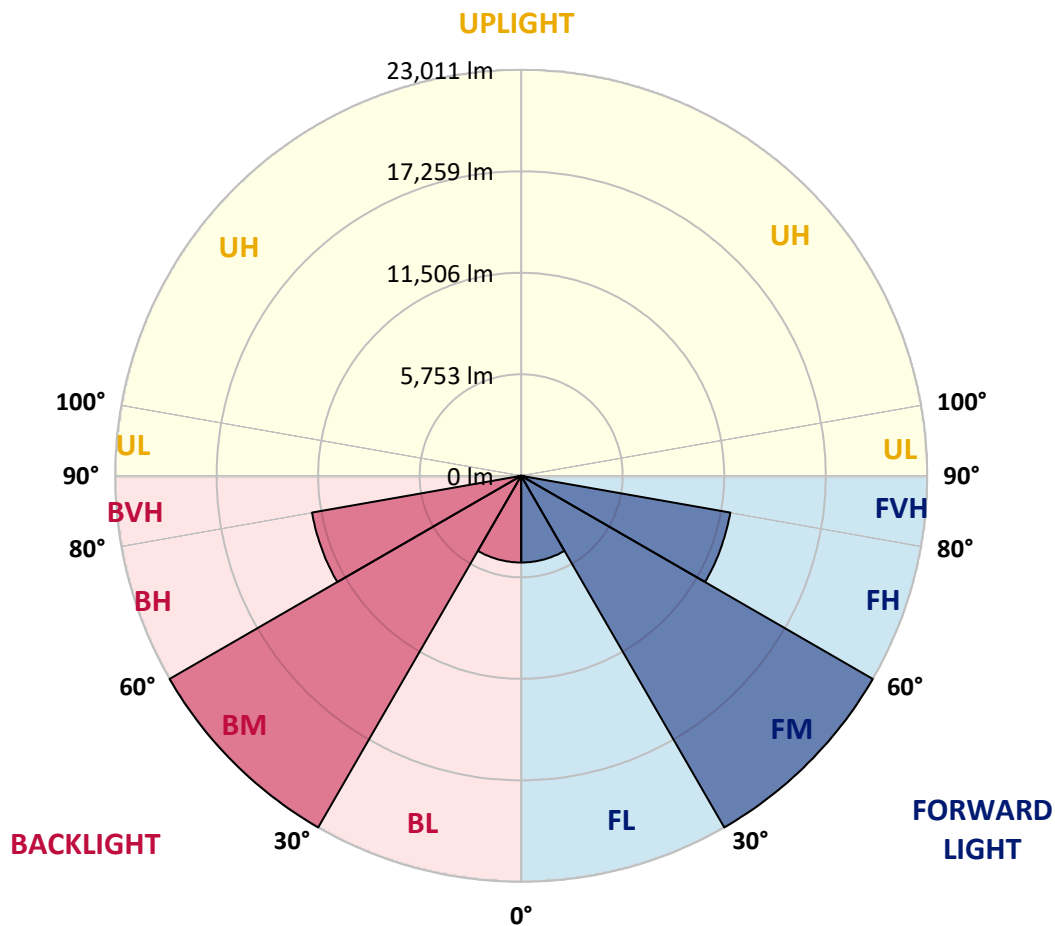
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4911.6	6.1			
FM	(30°-60°)	23011.4	28.7			
FH	(60°-80°)	12036.3	15.0			G5
FVH	(80°-90°)	157.6	0.2			G2/225
BL	(0°-30°)	4911.6	6.1	B4/5000		
BM	(30°-60°)	23011.4	28.7	B5		
BH	(60°-80°)	12036.3	15.0	B5		G5
BVH	(80°-90°)	157.6	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9548.6	9548.6	9548.6	9548.6	9548.6	9548.6	9548.6	9548.6	9548.6	9548.6	9548.6
2.5°	9613.1	9580.9	9605.0	9584.9	9568.8	9552.7	9560.7	9588.9	9601.0	9605.0	9605.0
5°	9741.9	9713.7	9725.8	9725.8	9697.6	9689.5	9693.6	9713.7	9737.9	9737.9	9737.9
7.5°	9951.2	9923.0	9951.2	9935.1	9910.9	9902.9	9898.9	9915.0	9951.2	9951.2	9939.1
10°	10204.8	10172.6	10188.7	10180.7	10152.5	10140.4	10136.4	10160.5	10192.7	10188.7	10180.7
12.5°	10482.6	10446.4	10466.5	10442.3	10434.3	10422.2	10422.2	10418.2	10438.3	10422.2	10430.2
15°	10792.5	10768.4	10776.4	10760.3	10772.4	10764.4	10732.2	10716.1	10724.1	10700.0	10704.0
17.5°	11158.9	11102.5	11130.7	11122.6	11122.6	11138.7	11086.4	11066.3	11082.4	11058.2	11078.4
20°	11581.6	11525.2	11537.3	11521.2	11501.0	11517.2	11452.7	11468.8	11480.9	11464.8	11501.0
22.5°	12044.5	11972.0	11968.0	11976.1	11931.8	11935.8	11891.5	11931.8	11955.9	11911.7	11955.9
25°	12519.5	12443.0	12495.4	12475.2	12418.9	12431.0	12398.8	12439.0	12459.1	12402.8	12467.2
27.5°	13022.7	12970.4	13018.7	13030.8	12962.3	13010.6	12962.3	12998.6	13018.7	12934.2	12998.6
30°	13610.4	13558.1	13602.4	13634.6	13554.1	13630.6	13590.3	13614.5	13618.5	13517.9	13578.2
32.5°	14250.5	14170.0	14282.7	14298.8	14210.3	14302.8	14250.5	14282.7	14302.8	14166.0	14258.6
35°	15031.5	14930.8	15059.7	15039.5	14963.0	15039.5	14991.2	15039.5	15087.8	14922.8	15023.4
37.5°	15872.8	15768.2	15905.0	15868.8	15796.3	15848.7	15820.5	15852.7	15929.2	15752.0	15860.7
40°	16798.7	16669.9	16855.1	16790.6	16722.2	16714.2	16730.3	16750.4	16851.0	16653.8	16718.2
42.5°	17789.0	17652.1	17929.9	17829.2	17732.6	17668.2	17720.6	17760.8	17857.4	17636.0	17752.8
45°	18920.2	18763.2	19125.5	19004.7	18851.7	18718.9	18803.4	18863.8	19004.7	18739.0	18875.9
47.5°	20168.1	19991.0	20377.4	20341.2	20091.6	19801.8	19995.0	20168.1	20272.8	19950.7	20059.4
50°	21387.8	21251.0	21758.2	21802.5	21496.5	21090.0	21359.7	21621.3	21649.5	21226.8	21279.2
52.5°	22531.1	22394.2	23130.9	23408.7	23134.9	22651.9	22937.7	23203.4	22990.0	22442.5	22458.6
55°	23444.9	23332.2	24270.2	24986.7	25079.3	24680.8	24849.8	24841.8	24141.3	23300.0	23328.2
57.5°	23666.3	23650.2	24833.7	26351.4	27317.5	27365.8	27031.7	26178.3	24668.7	23537.5	23465.0
60°	22659.9	22760.6	24386.9	27063.9	29640.3	30711.1	29265.9	26830.4	24068.9	22498.9	22313.7
62.5°	19648.8	19914.5	21874.9	26194.4	31516.2	34559.5	31057.3	25840.1	21605.2	19556.2	19435.4
65°	14081.4	14544.4	16710.1	22354.0	31347.1	37941.0	30799.6	22172.8	16871.2	14508.1	14335.0
67.5°	6388.6	6859.6	8699.3	15305.2	27249.1	37023.2	27184.7	15466.2	9134.0	6883.7	6783.1
70°	2314.7	2395.2	2987.0	6126.9	17414.6	29499.4	18159.3	6171.2	3176.2	2552.2	2520.0
72.5°	1400.9	1413.0	1537.8	2193.9	6050.4	17909.8	6308.1	2266.4	1570.0	1392.8	1417.0
75°	889.7	881.6	1095.0	1340.5	2145.6	6042.4	2250.3	1340.5	1090.9	994.3	1002.4
77.5°	640.1	660.2	785.0	1002.4	1352.6	2049.0	1328.4	958.1	785.0	644.1	656.2
80°	479.0	491.1	571.6	781.0	950.0	1276.1	845.4	708.5	591.8	402.6	414.6
82.5°	346.2	346.2	374.4	567.6	579.7	688.4	458.9	499.2	390.5	285.8	285.8
85°	205.3	201.3	233.5	338.1	301.9	253.6	209.3	305.9	245.6	177.1	173.1
87.5°	72.5	76.5	72.5	96.6	80.5	68.4	64.4	84.5	68.4	60.4	56.4
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)