

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: P955898

Luminaire Tested: **GALN-SB8D-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955898
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-SB8D-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 71230 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 584.9
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

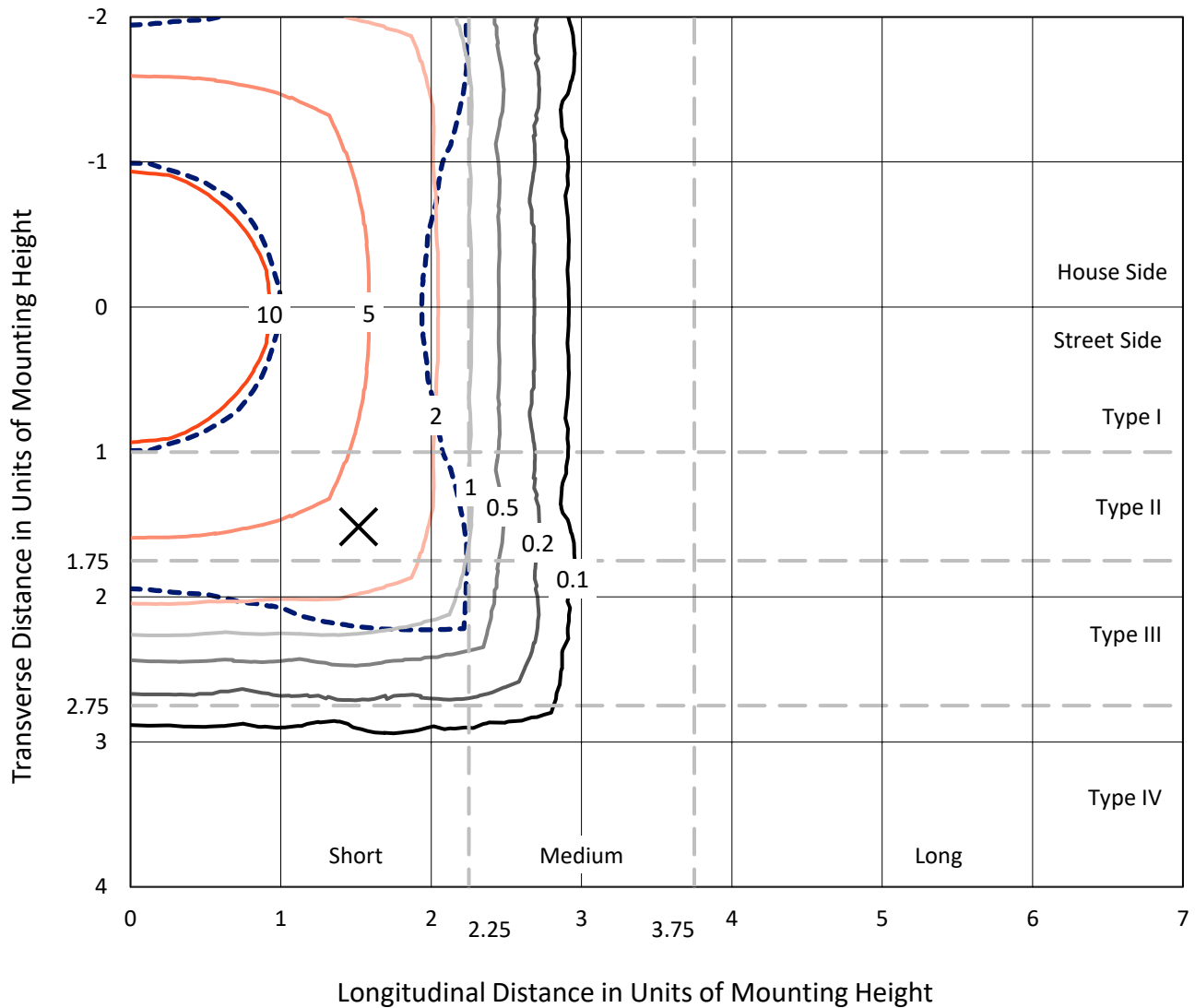


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

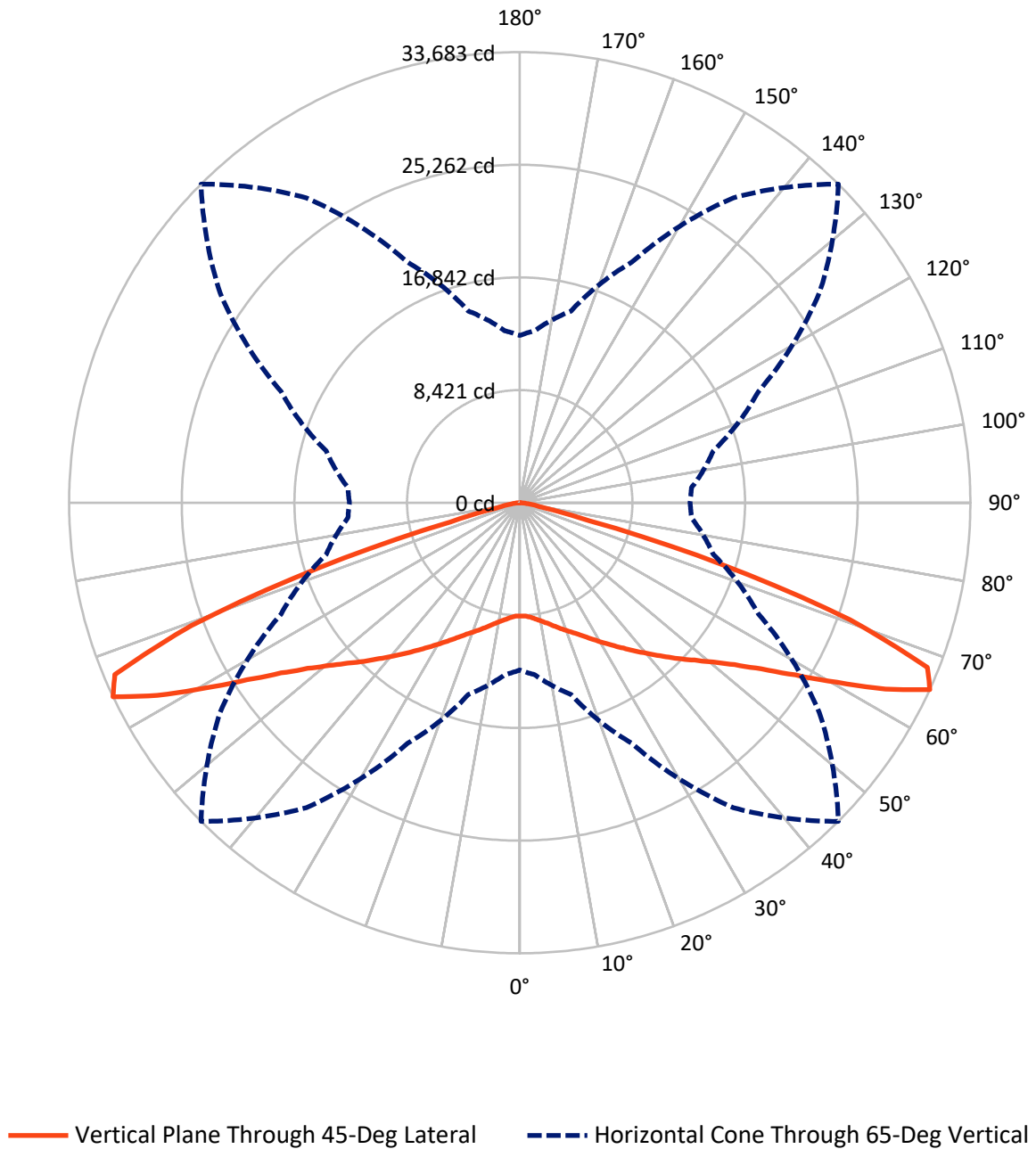


Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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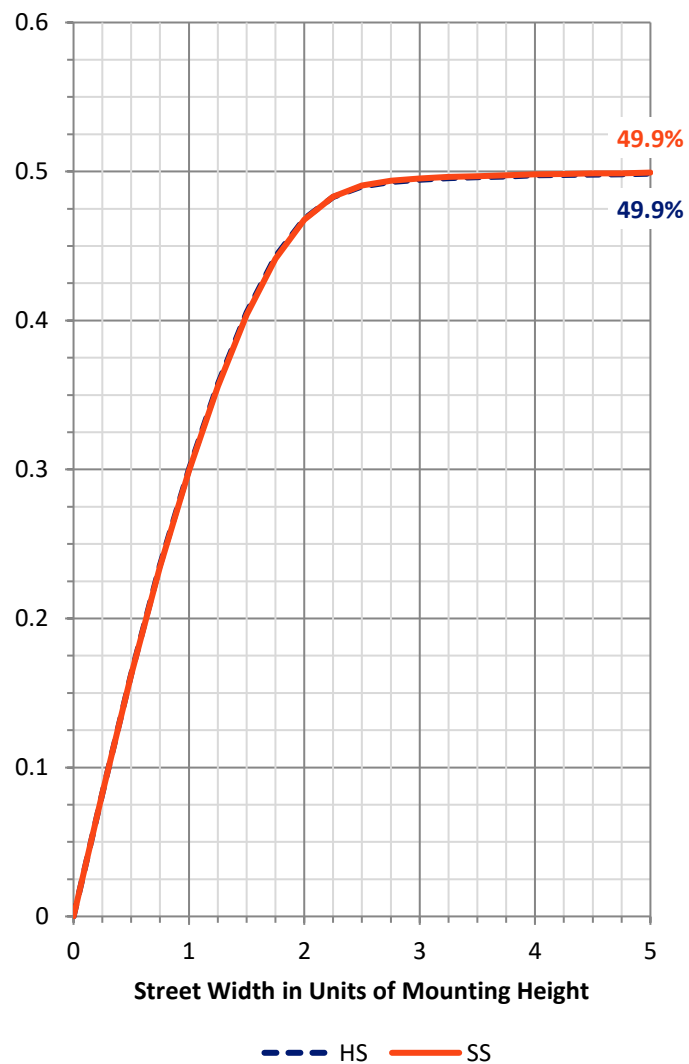
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35615.0	0.0	35615.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35615.0	0.0	35615.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	71230.0	0.0	71230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	836.6	1.2
10°-20°	2729.9	3.8
20°-30°	5154.4	7.2
30°-40°	8440.1	11.8
40°-50°	13086.5	18.4
50°-60°	19331.5	27.1
60°-70°	18401.8	25.8
70°-80°	2969.4	4.2
80°-90°	279.9	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°	71230.0	100.0
0°-180°	71230.0	100.0

Coefficient of Utilization



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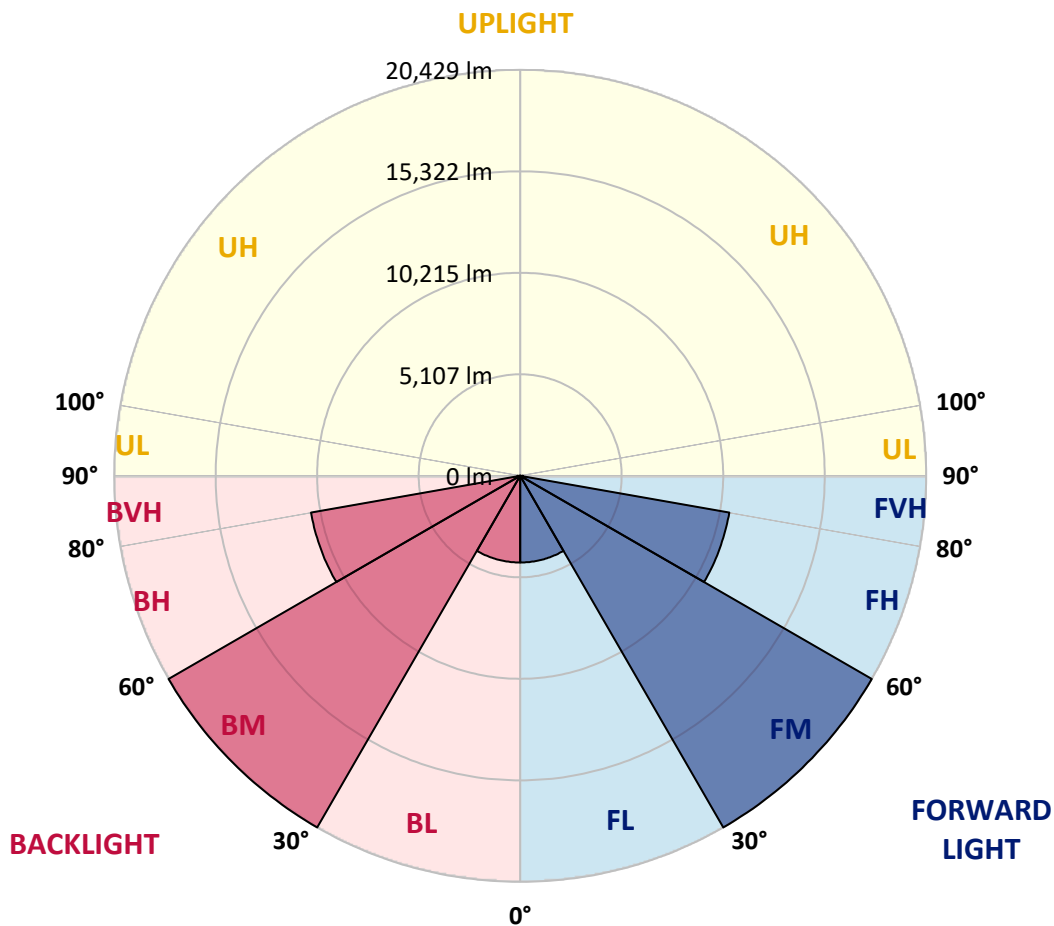
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4360.4	6.1			
FM	(30°-60°)	20429.0	28.7			
FH	(60°-80°)	10685.6	15.0			G4/12000
FVH	(80°-90°)	140.0	0.2			G2/225
BL	(0°-30°)	4360.4	6.1	B4/5000		
BM	(30°-60°)	20429.0	28.7	B5		
BH	(60°-80°)	10685.6	15.0	B5		G4/12000
BVH	(80°-90°)	140.0	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8477.1	8477.1	8477.1	8477.1	8477.1	8477.1	8477.1	8477.1	8477.1	8477.1	8477.1
2.5°	8534.3	8505.7	8527.1	8509.2	8495.0	8480.7	8487.8	8512.8	8523.5	8527.1	8527.1
5°	8648.6	8623.6	8634.3	8634.3	8609.3	8602.2	8605.7	8623.6	8645.1	8645.1	8645.1
7.5°	8834.5	8809.4	8834.5	8820.2	8798.7	8791.6	8788.0	8802.3	8834.5	8834.5	8823.7
10°	9059.6	9031.0	9045.3	9038.2	9013.2	9002.4	8998.9	9020.3	9048.9	9045.3	9038.2
12.5°	9306.2	9274.0	9291.9	9270.5	9263.3	9252.6	9252.6	9249.0	9266.9	9252.6	9259.7
15°	9581.4	9559.9	9567.1	9552.8	9563.5	9556.4	9527.8	9513.5	9520.6	9499.2	9502.8
17.5°	9906.6	9856.6	9881.6	9874.4	9874.4	9888.7	9842.3	9824.4	9838.7	9817.3	9835.1
20°	10281.9	10231.8	10242.5	10228.3	10210.4	10224.7	10167.5	10181.8	10192.5	10178.2	10210.4
22.5°	10692.8	10628.5	10624.9	10632.1	10592.8	10596.4	10557.0	10592.8	10614.2	10574.9	10614.2
25°	11114.6	11046.7	11093.1	11075.2	11025.2	11035.9	11007.3	11043.1	11060.9	11010.9	11068.1
27.5°	11561.3	11514.8	11557.7	11568.4	11507.7	11550.6	11507.7	11539.8	11557.7	11482.7	11539.8
30°	12083.1	12036.6	12075.9	12104.5	12033.0	12100.9	12065.2	12086.6	12090.2	12000.9	12054.5
32.5°	12651.3	12579.8	12679.9	12694.2	12615.6	12697.8	12651.3	12679.9	12697.8	12576.2	12658.4
35°	13344.6	13255.3	13369.6	13351.8	13283.9	13351.8	13308.9	13351.8	13394.6	13248.1	13337.5
37.5°	14091.5	13998.6	14120.1	14088.0	14023.6	14070.1	14045.1	14073.7	14141.6	13984.3	14080.8
40°	14913.5	14799.2	14963.6	14906.4	14845.6	14838.5	14852.8	14870.6	14960.0	14784.9	14842.0
42.5°	15792.7	15671.2	15917.8	15828.4	15742.6	15685.5	15731.9	15767.7	15853.4	15656.9	15760.5
45°	16796.9	16657.5	16979.2	16872.0	16736.2	16618.2	16693.3	16746.9	16872.0	16636.1	16757.6
47.5°	17904.8	17747.6	18090.6	18058.5	17836.9	17579.6	17751.1	17904.8	17997.7	17711.8	17808.3
50°	18987.7	18866.2	19316.5	19355.8	19084.2	18723.2	18962.6	19194.9	19220.0	18844.7	18891.2
52.5°	20002.6	19881.1	20535.1	20781.7	20538.7	20109.8	20363.6	20599.5	20410.0	19924.0	19938.3
55°	20813.9	20713.8	21546.5	22182.7	22264.8	21911.0	22061.1	22054.0	21432.2	20685.2	20710.2
57.5°	21010.4	20996.1	22046.8	23394.2	24251.9	24294.8	23998.1	23240.5	21900.3	20896.1	20831.8
60°	20117.0	20206.3	21650.2	24026.7	26314.0	27264.6	25981.6	23819.5	21367.8	19974.0	19809.6
62.5°	17443.8	17679.6	19420.1	23254.8	27979.4	30681.2	27572.0	22940.3	19180.6	17361.6	17254.4
65°	12501.2	12912.2	14834.9	19845.4	27829.3	33683.2	27343.2	19684.6	14977.8	12880.0	12726.3
67.5°	5671.6	6089.8	7723.0	13587.6	24191.1	32868.4	24134.0	13730.6	8109.0	6111.2	6021.9
70°	2054.9	2126.4	2651.8	5439.3	15460.3	26188.9	16121.5	5478.7	2819.7	2265.8	2237.2
72.5°	1243.7	1254.4	1365.2	1947.7	5371.4	15899.9	5600.2	2012.1	1393.8	1236.5	1258.0
75°	789.8	782.7	972.1	1190.1	1904.8	5364.3	1997.8	1190.1	968.5	882.7	889.9
77.5°	568.2	586.1	696.9	889.9	1200.8	1819.1	1179.4	850.6	696.9	571.8	582.5
80°	425.3	436.0	507.5	693.3	843.4	1132.9	750.5	629.0	525.4	357.4	368.1
82.5°	307.3	307.3	332.4	503.9	514.6	611.1	407.4	443.2	346.7	253.7	253.7
85°	182.3	178.7	207.3	300.2	268.0	225.2	185.8	271.6	218.0	157.2	153.7
87.5°	64.3	67.9	64.3	85.8	71.5	60.8	57.2	75.1	60.8	53.6	50.0
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)