

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: P955541

Luminaire Tested: **GALN-SB8C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955541
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-SB8C-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52422 lumens
Efficiency: N/A
Efficacy: 131.1 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): 399.8
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

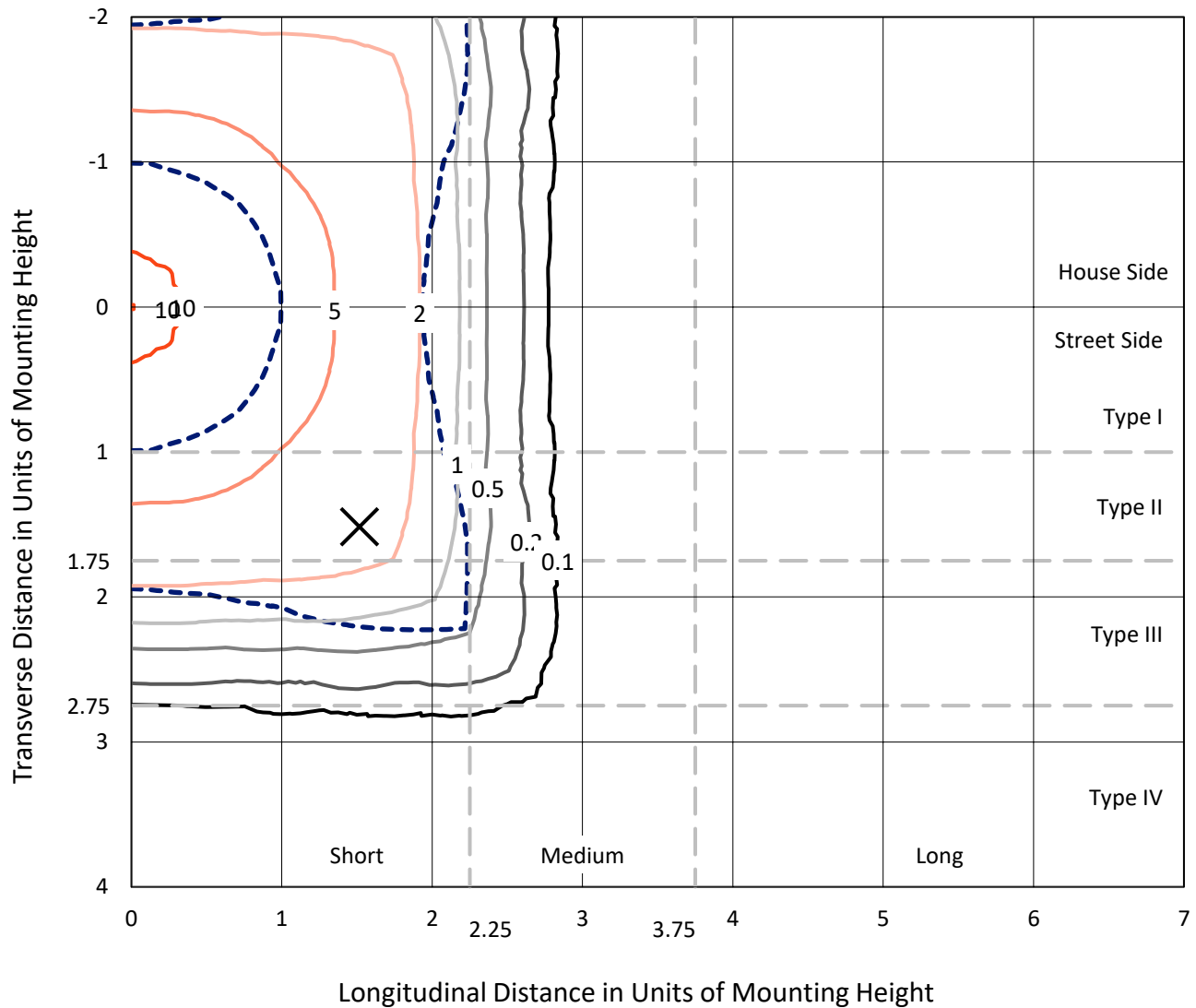


REPORT NUMBER: P955541

CATALOG NUMBER: GALN-SB8C-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

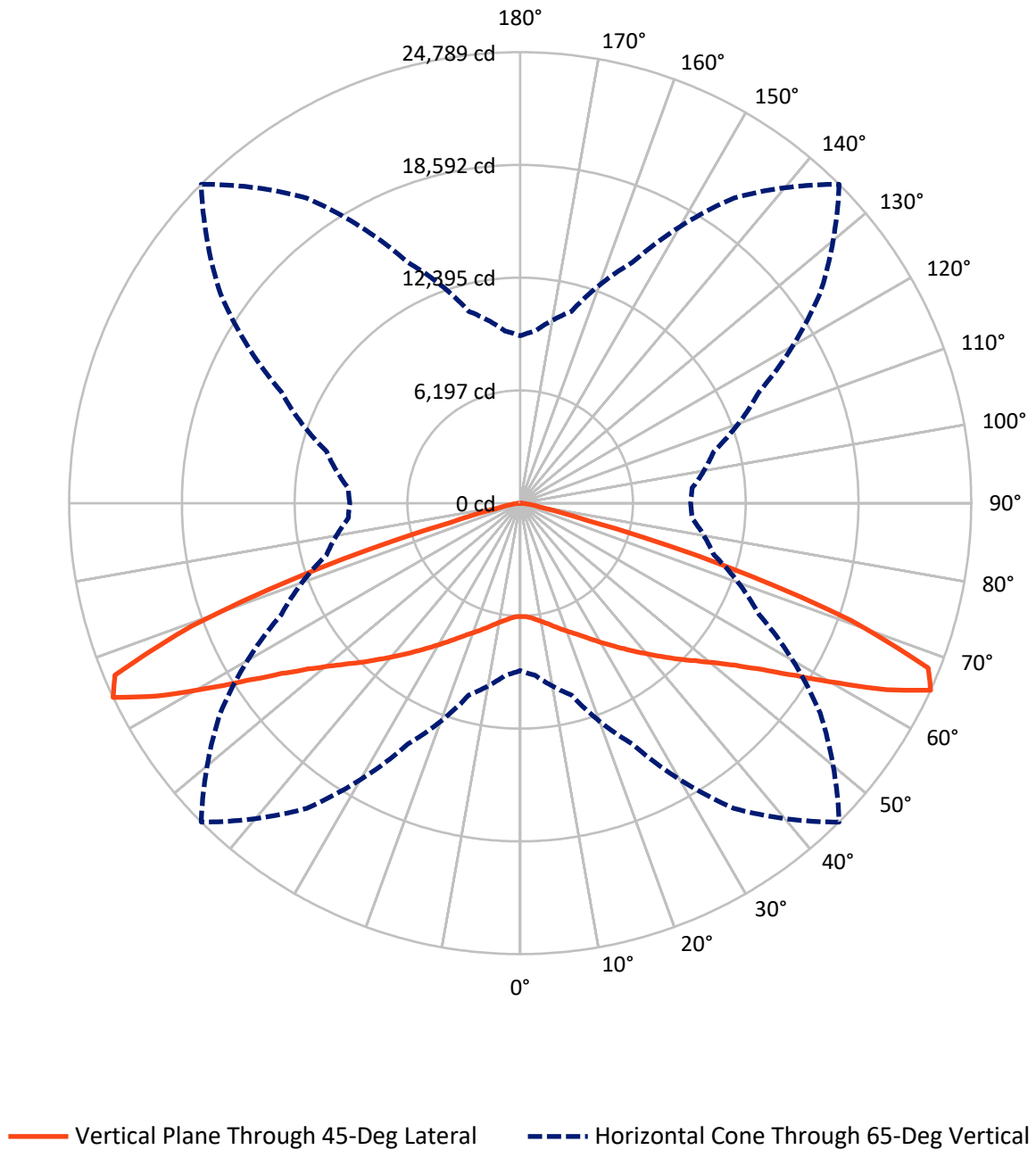


Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type V - Short - N/A

REPORT NUMBER: P955541

CATALOG NUMBER: GALN-SB8C-722-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P955541

CATALOG NUMBER: GALN-SB8C-722-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26211.0	0.0	26211.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26211.0	0.0	26211.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52422.0	0.0	52422.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.7	1.2
10°-20°	2009.1	3.8
20°-30°	3793.4	7.2
30°-40°	6211.5	11.8
40°-50°	9631.1	18.4
50°-60°	14227.1	27.1
60°-70°	13542.9	25.8
70°-80°	2185.3	4.2
80°-90°	206.0	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°	52422.0	100.0
0°-180°	52422.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955541

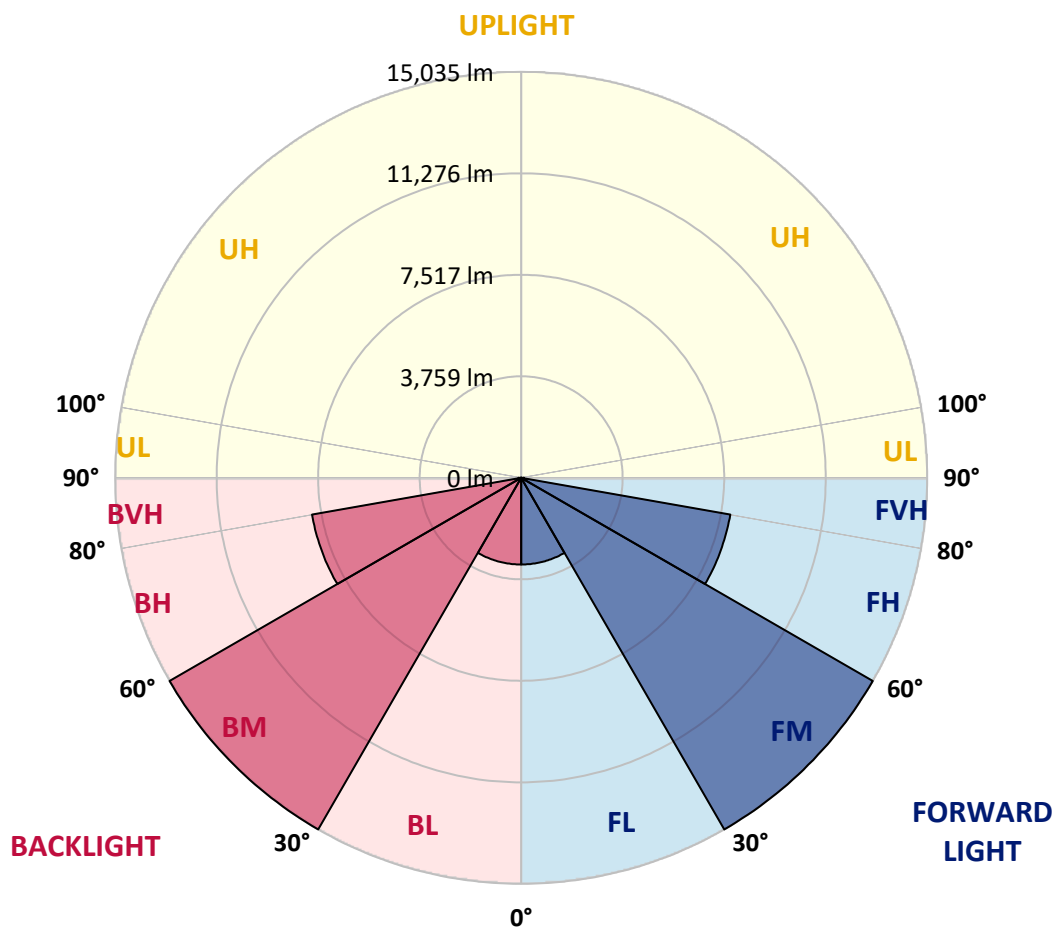
CATALOG NUMBER: GALN-SB8C-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3209.1	6.1			
FM	(30°-60°)	15034.8	28.7			
FH	(60°-80°)	7864.1	15.0			G4/12000
FVH	(80°-90°)	103.0	0.2			G2/225
BL	(0°-30°)	3209.1	6.1	B4/5000		
BM	(30°-60°)	15034.8	28.7	B5		
BH	(60°-80°)	7864.1	15.0	B5		G4/12000
BVH	(80°-90°)	103.0	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



REPORT NUMBER: P955541

CATALOG NUMBER: GALN-SB8C-722-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6238.7	6238.7	6238.7	6238.7	6238.7	6238.7	6238.7	6238.7	6238.7	6238.7	6238.7
2.5°	6280.8	6259.8	6275.6	6262.4	6251.9	6241.4	6246.6	6265.0	6272.9	6275.6	6275.6
5°	6365.0	6346.6	6354.5	6354.5	6336.1	6330.8	6333.4	6346.6	6362.4	6362.4	6362.4
7.5°	6501.8	6483.3	6501.8	6491.2	6475.5	6470.2	6467.6	6478.1	6501.8	6501.8	6493.9
10°	6667.5	6646.4	6656.9	6651.7	6633.3	6625.4	6622.7	6638.5	6659.6	6656.9	6651.7
12.5°	6848.9	6825.3	6838.4	6822.6	6817.4	6809.5	6809.5	6806.9	6820.0	6809.5	6814.7
15°	7051.5	7035.7	7040.9	7030.4	7038.3	7033.1	7012.0	7001.5	7006.7	6991.0	6993.6
17.5°	7290.8	7254.0	7272.4	7267.1	7267.1	7277.7	7243.5	7230.3	7240.8	7225.1	7238.2
20°	7567.0	7530.2	7538.0	7527.5	7514.4	7524.9	7482.8	7493.3	7501.2	7490.7	7514.4
22.5°	7869.4	7822.1	7819.5	7824.7	7795.8	7798.4	7769.5	7795.8	7811.6	7782.6	7811.6
25°	8179.8	8129.8	8164.0	8150.9	8114.0	8121.9	8100.9	8127.2	8140.3	8103.5	8145.6
27.5°	8508.6	8474.4	8505.9	8513.8	8469.1	8500.7	8469.1	8492.8	8505.9	8450.7	8492.8
30°	8892.6	8858.4	8887.3	8908.4	8855.8	8905.7	8879.4	8895.2	8897.8	8832.1	8871.5
32.5°	9310.8	9258.2	9331.8	9342.3	9284.5	9345.0	9310.8	9331.8	9345.0	9255.5	9316.0
35°	9821.0	9755.3	9839.4	9826.3	9776.3	9826.3	9794.7	9826.3	9857.8	9750.0	9815.8
37.5°	10370.7	10302.3	10391.8	10368.1	10320.8	10354.9	10336.5	10357.6	10407.5	10291.8	10362.8
40°	10975.7	10891.5	11012.5	10970.4	10925.7	10920.4	10930.9	10944.1	11009.9	10881.0	10923.1
42.5°	11622.7	11533.3	11714.7	11649.0	11585.9	11543.8	11578.0	11604.3	11667.4	11522.7	11599.0
45°	12361.8	12259.2	12495.9	12417.0	12317.0	12230.2	12285.5	12324.9	12417.0	12243.4	12332.8
47.5°	13177.1	13061.4	13313.9	13290.2	13127.1	12937.8	13064.0	13177.1	13245.5	13035.1	13106.1
50°	13974.0	13884.6	14216.0	14245.0	14045.1	13779.4	13955.6	14126.6	14145.0	13868.8	13903.0
52.5°	14721.0	14631.6	15112.9	15294.4	15115.5	14799.9	14986.7	15160.2	15020.9	14663.1	14673.7
55°	15318.1	15244.4	15857.2	16325.4	16385.9	16125.5	16236.0	16230.7	15773.1	15223.4	15241.8
57.5°	15462.7	15452.2	16225.5	17217.0	17848.3	17879.8	17661.5	17103.9	16117.6	15378.6	15331.2
60°	14805.2	14870.9	15933.5	17682.6	19365.9	20065.5	19121.3	17530.0	15725.7	14700.0	14579.0
62.5°	12837.8	13011.4	14292.3	17114.5	20591.5	22579.9	20291.7	16883.0	14116.1	12777.3	12698.4
65°	9200.3	9502.8	10917.8	14605.3	20481.1	24789.3	20123.4	14486.9	11023.0	9479.1	9366.0
67.5°	4174.1	4481.8	5683.8	9999.9	17803.6	24189.6	17761.5	10105.1	5967.8	4497.6	4431.8
70°	1512.3	1564.9	1951.6	4003.1	11378.1	19273.8	11864.7	4032.0	2075.2	1667.5	1646.5
72.5°	915.3	923.2	1004.7	1433.4	3953.1	11701.6	4121.5	1480.8	1025.8	910.0	925.8
75°	581.3	576.0	715.4	875.8	1401.9	3947.9	1470.3	875.8	712.8	649.6	654.9
77.5°	418.2	431.3	512.9	654.9	883.7	1338.8	868.0	626.0	512.9	420.8	428.7
80°	313.0	320.9	373.5	510.3	620.7	833.8	552.3	462.9	386.6	263.0	270.9
82.5°	226.2	226.2	244.6	370.9	378.7	449.8	299.8	326.1	255.1	186.7	186.7
85°	134.1	131.5	152.5	220.9	197.3	165.7	136.8	199.9	160.4	115.7	113.1
87.5°	47.3	50.0	47.3	63.1	52.6	44.7	42.1	55.2	44.7	39.5	36.8
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)