

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: P953759

Luminaire Tested: **GALN-SB7B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34066 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 256.7
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



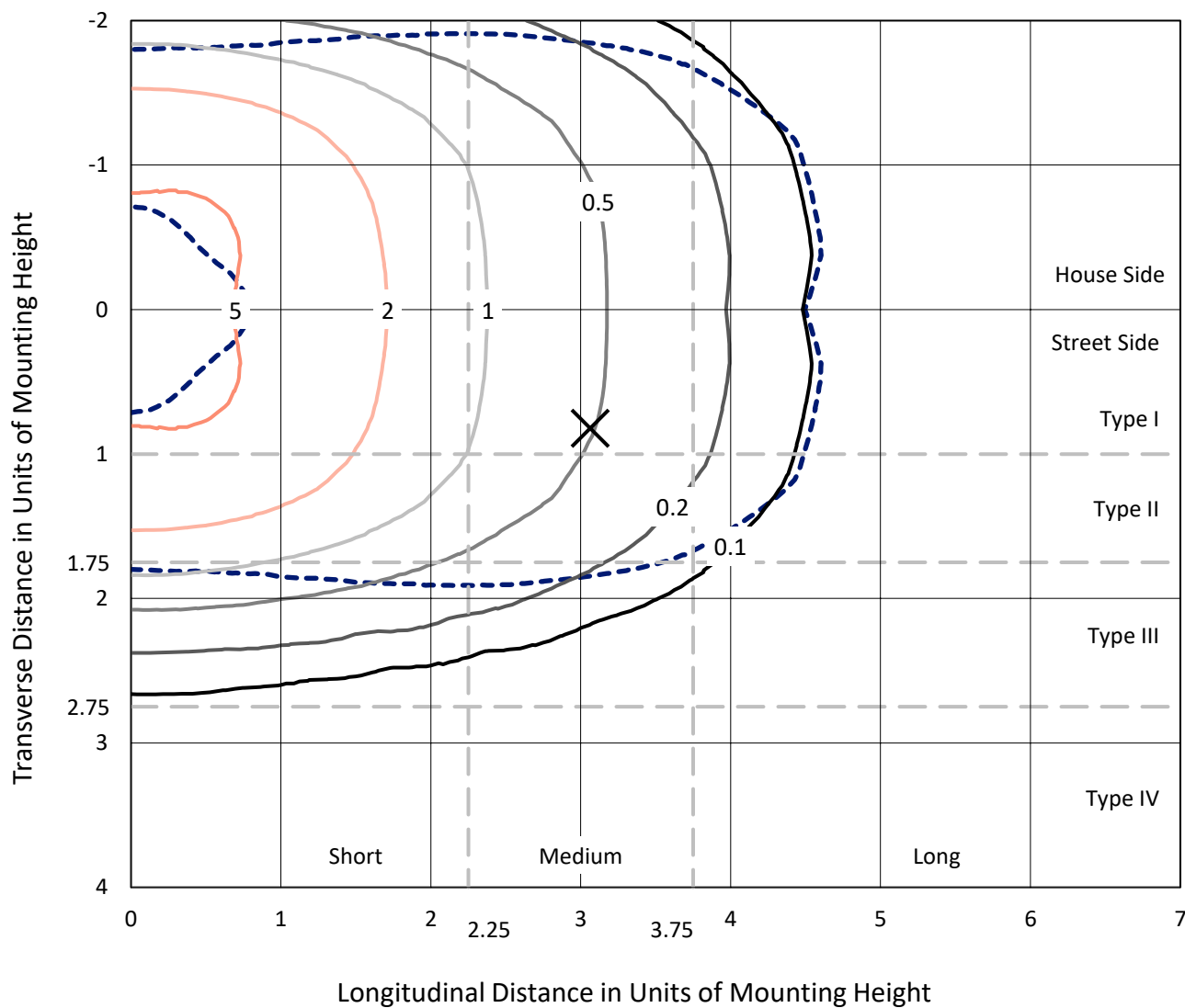
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Iso-Footcandle Lines of Horizontal Illumination

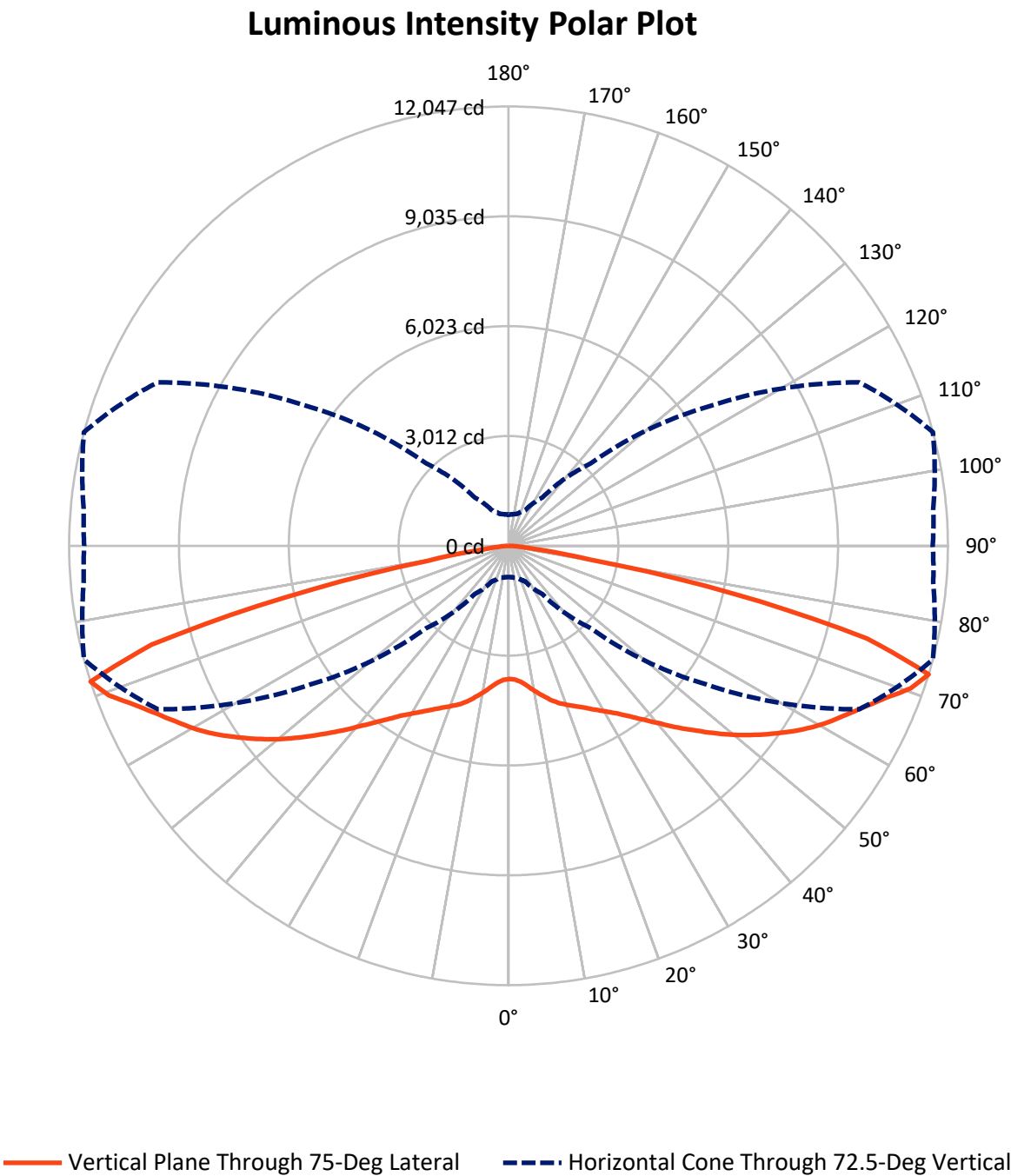
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
Type III - Medium - N/A

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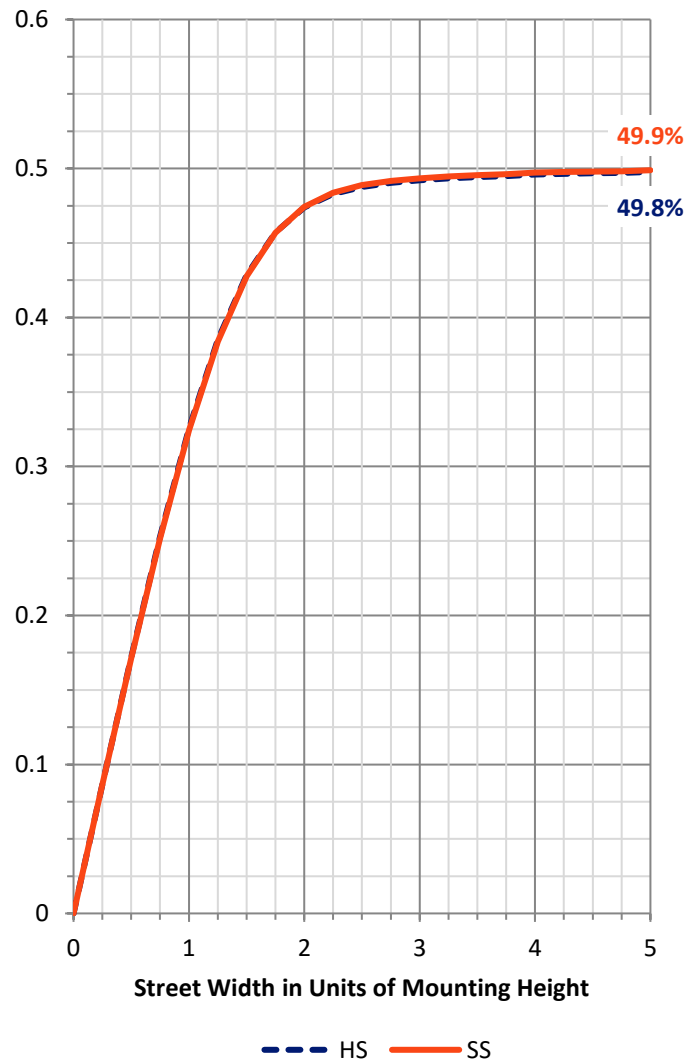
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17033.0	0.0	17033.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17033.0	0.0	17033.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34066.0	0.0	34066.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.5	1.0
10°-20°	1179.0	3.5
20°-30°	2278.1	6.7
30°-40°	3846.7	11.3
40°-50°	6100.5	17.9
50°-60°	8167.8	24.0
60°-70°	7773.2	22.8
70°-80°	4056.2	11.9
80°-90°	307.0	0.9
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°	34066.0	100.0
0°-180°	34066.0	100.0

Coefficient of Utilization



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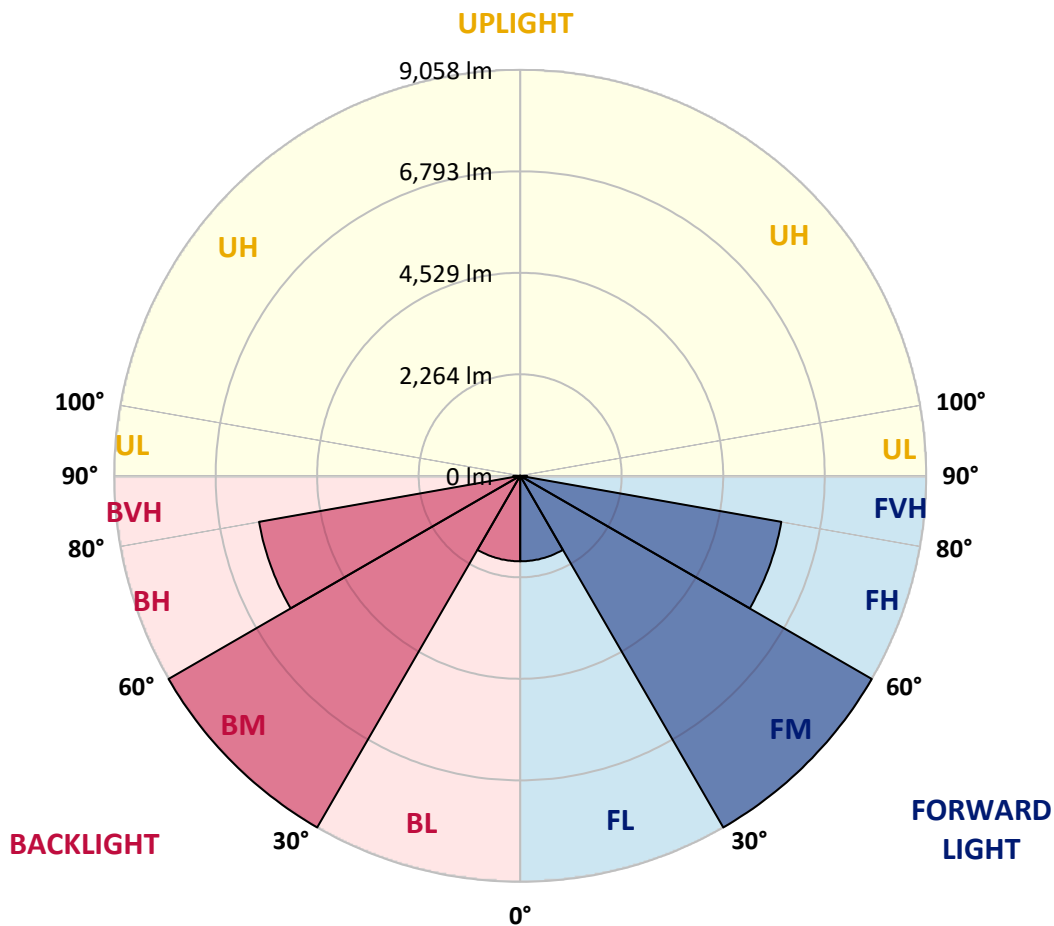
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1907.3	5.6			
FM	(30°-60°)	9057.5	26.6			
FH	(60°-80°)	5914.7	17.4			G3/7500
FVH	(80°-90°)	153.5	0.5			G2/225
BL	(0°-30°)	1907.3	5.6	B3/2500		
BM	(30°-60°)	9057.5	26.6	B5		
BH	(60°-80°)	5914.7	17.4	B5		G5
BVH	(80°-90°)	153.5	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3649.1	3649.1	3649.1	3649.1	3649.1	3649.1	3649.1	3649.1	3649.1	3649.1	3649.1
2.5°	3649.1	3645.6	3649.1	3652.6	3650.8	3650.8	3659.5	3664.7	3675.2	3673.4	3671.7
5°	3624.7	3623.0	3636.9	3652.6	3664.7	3685.6	3711.7	3730.8	3755.2	3760.4	3760.4
7.5°	3612.6	3607.3	3631.7	3659.5	3697.8	3750.0	3800.4	3852.6	3894.3	3908.2	3911.7
10°	3621.2	3623.0	3656.0	3708.2	3769.1	3842.1	3913.5	4002.2	4061.3	4075.2	4089.1
12.5°	3661.3	3657.8	3713.4	3796.9	3880.4	3972.6	4056.1	4153.5	4217.8	4250.9	4264.8
15°	3734.3	3727.3	3805.6	3929.1	4050.9	4158.7	4226.5	4318.7	4393.5	4435.2	4450.9
17.5°	3821.3	3824.7	3927.4	4087.4	4247.4	4369.2	4433.5	4480.5	4537.9	4574.4	4591.8
20°	3974.3	3981.3	4096.1	4285.7	4468.3	4607.4	4659.6	4642.2	4657.9	4685.7	4706.6
22.5°	4179.6	4183.0	4311.8	4517.0	4708.3	4861.4	4896.2	4824.9	4781.4	4800.5	4814.4
25°	4417.9	4440.5	4569.2	4779.6	4976.2	5122.3	5137.9	5030.1	4922.3	4927.5	4936.2
27.5°	4708.3	4729.2	4859.6	5068.4	5268.4	5395.3	5393.6	5249.2	5091.0	5051.0	5063.1
30°	5023.1	5045.7	5179.7	5395.3	5581.5	5692.8	5668.4	5496.2	5270.1	5195.3	5204.0
32.5°	5397.1	5411.0	5546.7	5762.3	5934.5	6023.2	5972.8	5760.6	5478.8	5393.6	5414.5
35°	5849.3	5870.2	5971.1	6174.6	6325.9	6398.9	6313.7	6063.2	5746.7	5651.0	5664.9
37.5°	6365.9	6352.0	6466.8	6647.7	6772.9	6818.1	6701.6	6404.2	6052.8	5939.8	5960.6
40°	6905.1	6898.1	7023.3	7197.3	7265.1	7292.9	7120.7	6795.5	6405.9	6284.1	6324.1
42.5°	7393.8	7388.6	7557.3	7750.4	7832.1	7800.8	7583.4	7211.2	6814.6	6675.5	6710.3
45°	7785.2	7778.2	7985.2	8256.5	8416.5	8364.4	8072.2	7670.4	7228.6	7084.2	7117.3
47.5°	8086.1	8089.5	8312.2	8647.9	8927.9	8947.0	8571.3	8138.2	7684.3	7520.8	7569.5
50°	8303.5	8313.9	8552.2	8924.4	9307.1	9475.8	9081.0	8618.3	8155.6	7971.3	8026.9
52.5°	8357.4	8376.5	8663.5	9100.1	9550.6	9872.3	9599.3	9079.2	8602.6	8427.0	8472.2
55°	8070.4	8108.7	8472.2	9086.2	9700.1	10133.2	10055.0	9547.1	9053.1	8872.2	8922.7
57.5°	7411.2	7465.1	7889.5	8691.3	9667.1	10312.4	10408.0	9995.8	9503.6	9329.7	9369.7
60°	6487.6	6552.0	6959.0	7833.9	9201.0	10378.5	10656.8	10432.4	9917.6	9748.8	9785.4
62.5°	5094.4	5177.9	5664.9	6691.1	8216.5	10070.6	10869.0	10827.2	10289.8	10079.3	10103.7
65°	3268.2	3356.9	3870.0	5082.3	6903.3	9127.9	10935.1	11211.6	10682.9	10388.9	10425.4
67.5°	1970.6	2010.6	2264.6	3080.3	5045.7	7706.9	10375.0	11637.7	11142.0	10776.8	10804.6
70°	1261.0	1283.6	1434.9	1808.9	2852.5	5623.2	8987.0	11717.8	11698.6	11175.1	11171.6
72.5°	855.7	862.7	902.7	1071.4	1614.1	3195.1	6628.5	10608.1	12046.5	11688.2	11632.5
75°	626.2	664.4	728.8	758.3	916.6	1596.7	3798.7	7453.0	10152.4	10308.9	9929.7
77.5°	466.1	467.9	556.6	591.4	654.0	850.5	1607.1	4160.4	6303.3	6618.1	5903.2
80°	394.8	374.0	372.2	476.6	492.2	530.5	718.3	1436.7	2257.6	1368.8	1034.9
82.5°	328.7	306.1	276.6	372.2	335.7	325.3	311.3	584.4	718.3	353.1	300.9
85°	229.6	219.2	208.7	243.5	191.3	163.5	149.6	273.1	302.6	149.6	132.2
87.5°	99.1	102.6	104.4	107.8	80.0	57.4	57.4	76.5	76.5	59.1	43.5
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)