

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: P955544

Luminaire Tested: **GALN-SB8C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955544
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-SB8C-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51515 lumens
Efficiency: N/A
Efficacy: 128.9 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): 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

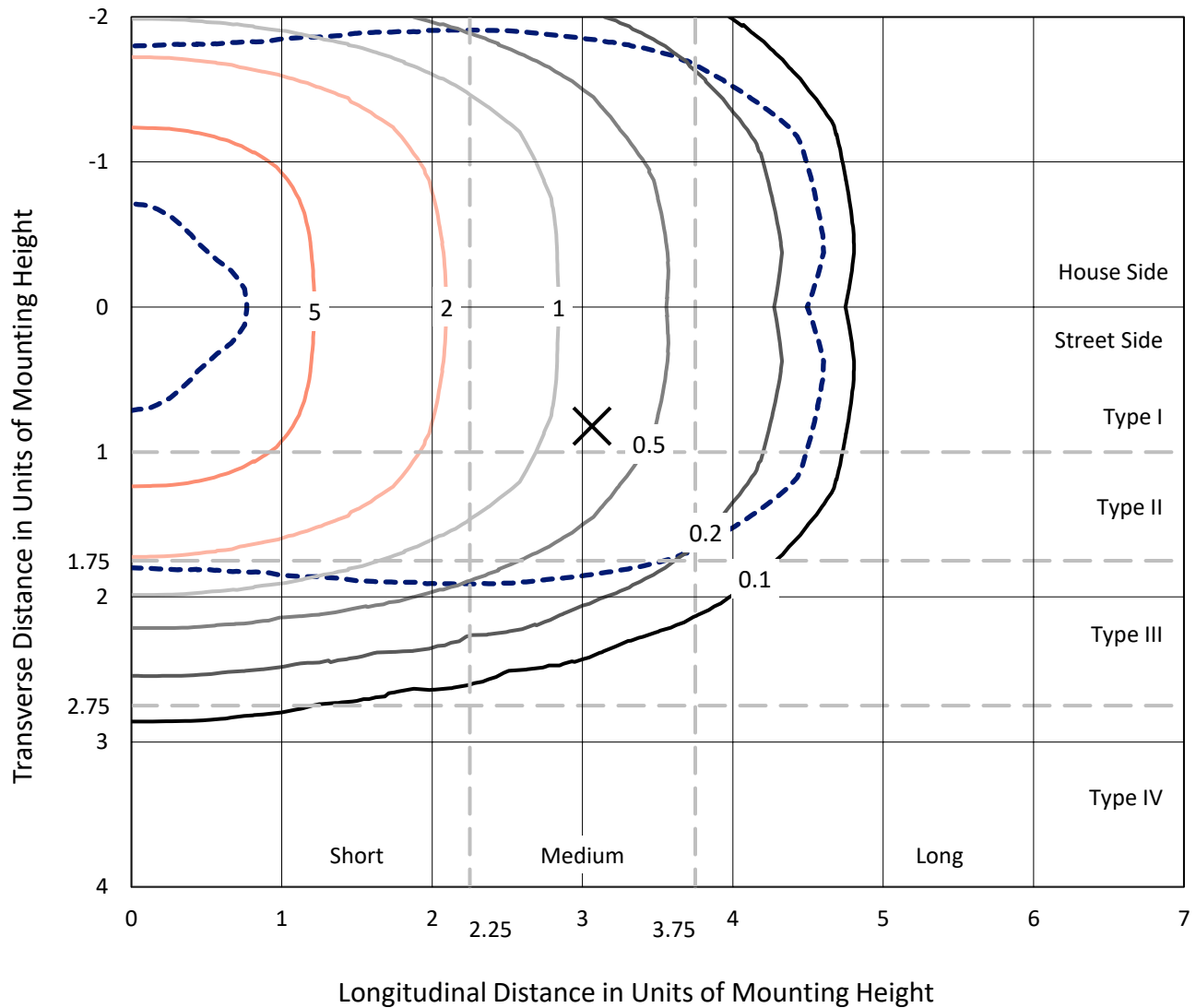


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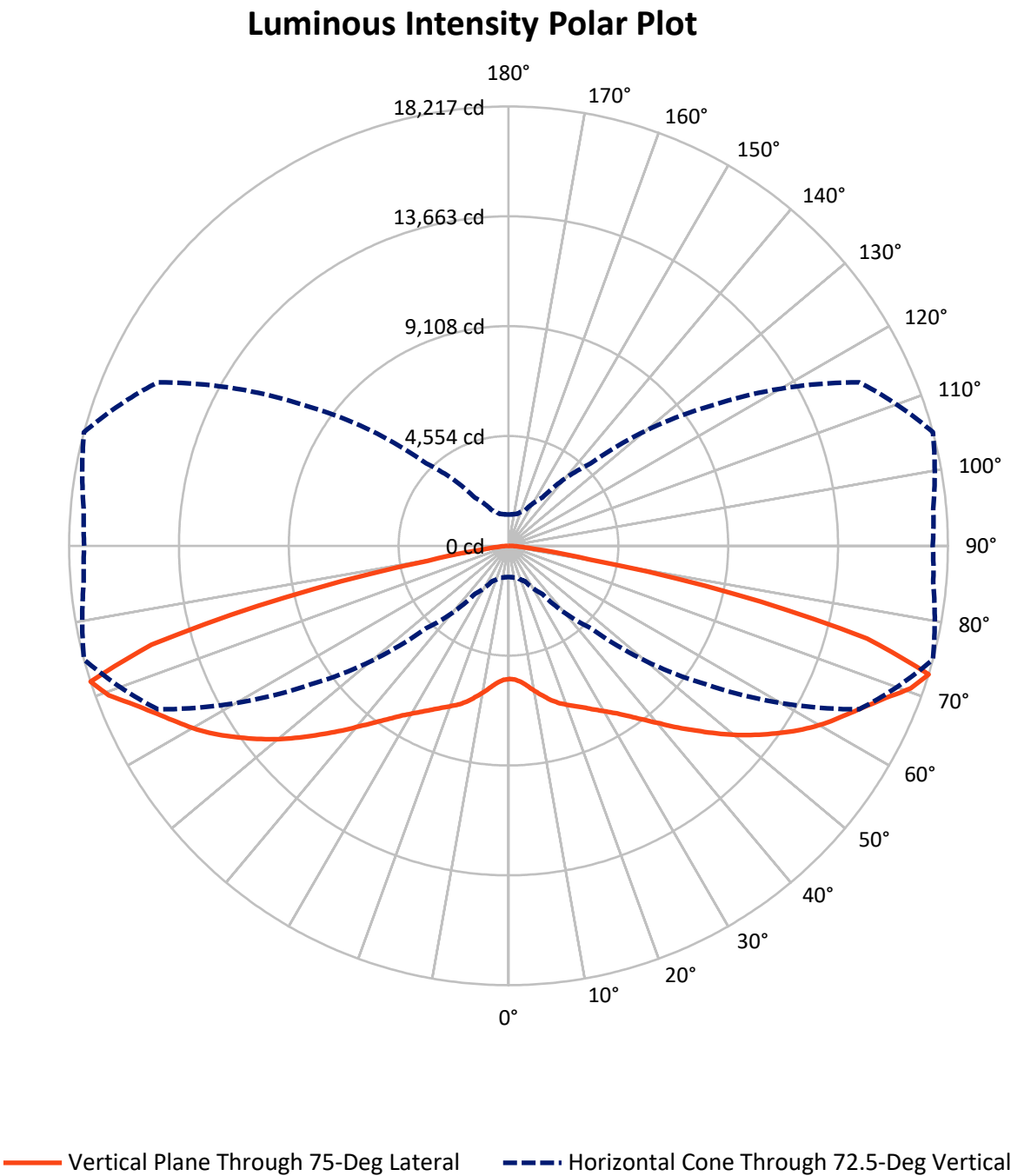
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Medium - N/A

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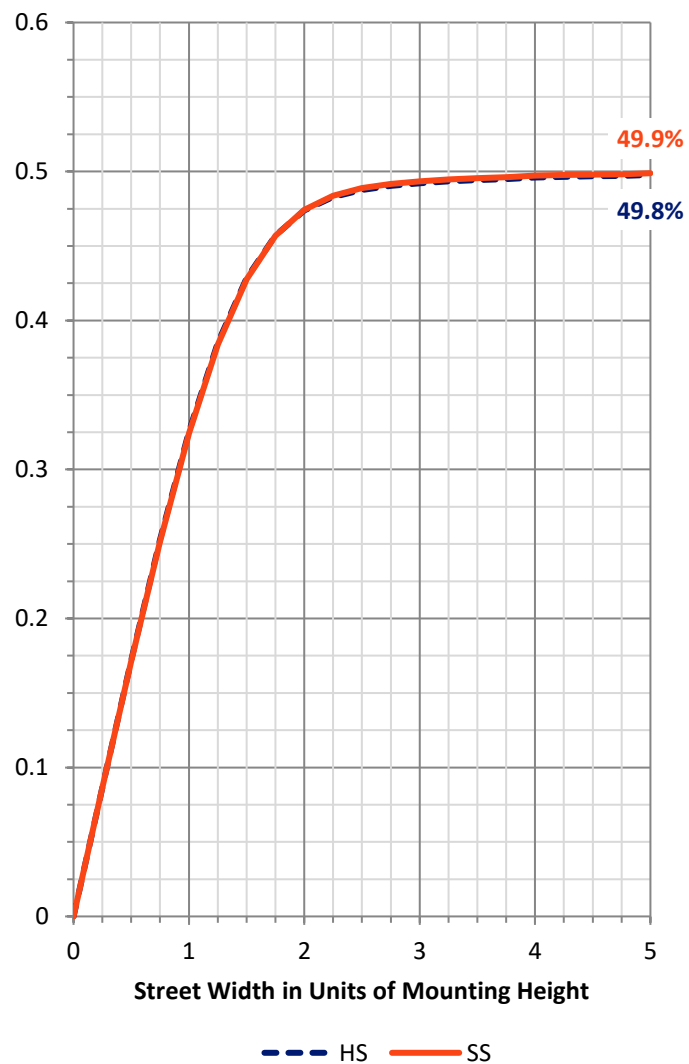
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25757.5	0.0	25757.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25757.5	0.0	25757.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51515.0	0.0	51515.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.6	1.0
10°-20°	1782.9	3.5
20°-30°	3445.0	6.7
30°-40°	5817.1	11.3
40°-50°	9225.2	17.9
50°-60°	12351.5	24.0
60°-70°	11754.7	22.8
70°-80°	6133.8	11.9
80°-90°	464.3	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°	51515.0	100.0
0°-180°	51515.0	100.0

Coefficient of Utilization



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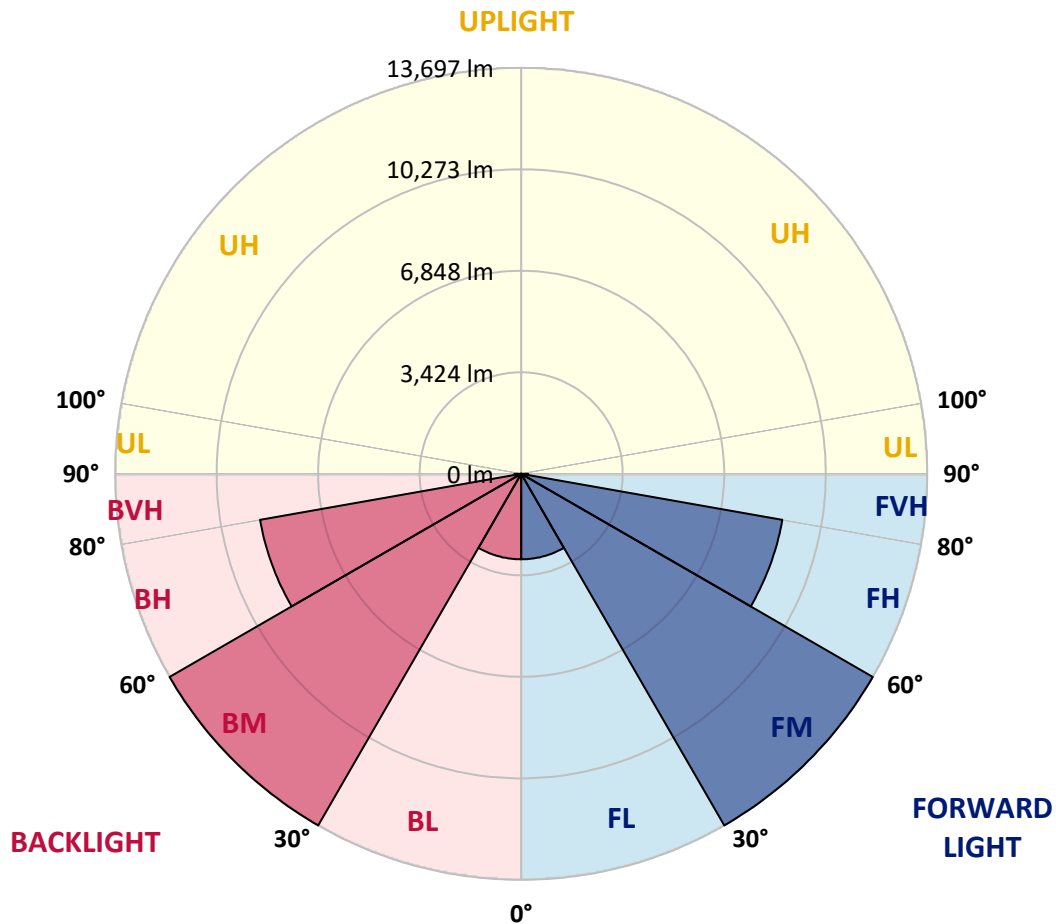
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2884.2	5.6			
FM	(30°-60°)	13696.9	26.6			
FH	(60°-80°)	8944.2	17.4			G4/12000
FVH	(80°-90°)	232.1	0.5			G3/500
BL	(0°-30°)	2884.2	5.6	B4/5000		
BM	(30°-60°)	13696.9	26.6	B5		
BH	(60°-80°)	8944.2	17.4	B5		G5
BVH	(80°-90°)	232.1	0.5			G3/500
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°	5518.2	5518.2	5518.2	5518.2	5518.2	5518.2	5518.2	5518.2	5518.2	5518.2	5518.2
2.5°	5518.2	5512.9	5518.2	5523.4	5520.8	5520.8	5534.0	5541.9	5557.6	5555.0	5552.4
5°	5481.4	5478.7	5499.8	5523.4	5541.9	5573.4	5612.9	5641.8	5678.6	5686.5	5686.5
7.5°	5462.9	5455.1	5491.9	5534.0	5591.8	5670.7	5747.0	5825.9	5889.0	5910.1	5915.3
10°	5476.1	5478.7	5528.7	5607.6	5699.7	5810.1	5918.0	6052.1	6141.5	6162.6	6183.6
12.5°	5536.6	5531.3	5615.5	5741.7	5868.0	6007.4	6133.6	6280.9	6378.3	6428.2	6449.3
15°	5647.1	5636.5	5754.9	5941.6	6125.8	6288.8	6391.4	6530.8	6643.9	6707.0	6730.7
17.5°	5778.6	5783.8	5939.0	6181.0	6423.0	6607.1	6704.4	6775.4	6862.2	6917.4	6943.8
20°	6010.0	6020.5	6194.1	6480.8	6757.0	6967.4	7046.3	7020.0	7043.7	7085.8	7117.3
22.5°	6320.4	6325.7	6520.3	6830.7	7120.0	7351.4	7404.0	7296.2	7230.4	7259.4	7280.4
25°	6680.7	6714.9	6909.6	7227.8	7525.0	7746.0	7769.6	7606.6	7443.5	7451.4	7464.5
27.5°	7120.0	7151.5	7348.8	7664.4	7966.9	8158.9	8156.3	7938.0	7698.6	7638.1	7656.5
30°	7596.0	7630.2	7832.8	8158.9	8440.3	8608.7	8571.9	8311.5	7969.5	7856.4	7869.6
32.5°	8161.5	8182.6	8387.7	8713.9	8974.3	9108.4	9032.1	8711.3	8285.2	8156.3	8187.8
35°	8845.4	8877.0	9029.5	9337.2	9566.1	9676.5	9547.7	9168.9	8690.2	8545.5	8566.6
37.5°	9626.6	9605.5	9779.1	10052.7	10242.0	10310.4	10134.2	9684.4	9153.1	8982.2	9013.7
40°	10441.9	10431.4	10620.8	10883.8	10986.4	11028.5	10768.1	10276.2	9687.1	9502.9	9563.4
42.5°	11181.0	11173.1	11428.3	11720.2	11843.8	11796.5	11467.7	10904.8	10305.2	10094.7	10147.3
45°	11772.8	11762.3	12075.3	12485.6	12727.6	12648.7	12206.8	11599.2	10931.1	10712.8	10762.8
47.5°	12227.8	12233.1	12569.8	13077.4	13500.9	13529.8	12961.7	12306.7	11620.3	11373.0	11446.7
50°	12556.6	12572.4	12932.7	13495.6	14074.2	14329.4	13732.3	13032.7	12333.1	12054.2	12138.4
52.5°	12638.2	12667.1	13101.1	13761.3	14442.5	14929.1	14516.1	13729.7	13009.0	12743.4	12811.7
55°	12204.2	12262.0	12811.7	13740.2	14668.7	15323.6	15205.2	14437.2	13690.2	13416.7	13493.0
57.5°	11207.3	11288.9	11930.6	13143.2	14618.7	15594.5	15739.2	15115.8	14371.5	14108.4	14168.9
60°	9810.7	9908.0	10523.5	11846.5	13913.8	15694.5	16115.3	15776.0	14997.5	14742.3	14797.6
62.5°	7703.9	7830.1	8566.6	10118.4	12425.1	15228.9	16436.2	16373.1	15560.3	15242.1	15278.9
65°	4942.2	5076.3	5852.2	7685.5	10439.3	13803.3	16536.1	16954.3	16154.7	15710.2	15765.5
67.5°	2980.0	3040.5	3424.5	4658.1	7630.2	11654.5	15689.2	17598.7	16849.1	16296.8	16338.9
70°	1906.9	1941.1	2169.9	2735.4	4313.5	8503.5	13590.3	17719.7	17690.8	16899.1	16893.8
72.5°	1294.1	1304.6	1365.1	1620.2	2440.8	4831.7	10023.7	16041.6	18216.8	17675.0	17590.8
75°	946.9	1004.7	1102.1	1146.8	1386.1	2414.5	5744.4	11270.4	15352.5	15589.2	15015.9
77.5°	704.9	707.5	841.7	894.3	989.0	1286.2	2430.3	6291.5	9531.9	10007.9	8926.9
80°	597.1	565.5	562.9	720.7	744.3	802.2	1086.3	2172.6	3414.0	2070.0	1565.0
82.5°	497.1	462.9	418.2	562.9	507.6	491.8	470.8	883.8	1086.3	533.9	455.0
85°	347.2	331.4	315.6	368.2	289.3	247.2	226.2	412.9	457.7	226.2	199.9
87.5°	149.9	155.2	157.8	163.1	121.0	86.8	86.8	115.7	115.7	89.4	65.8
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)