

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: P955628

Luminaire Tested: **GALN-SB8C-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955628
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-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65975 lumens
Efficiency: N/A
Efficacy: 165.0 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

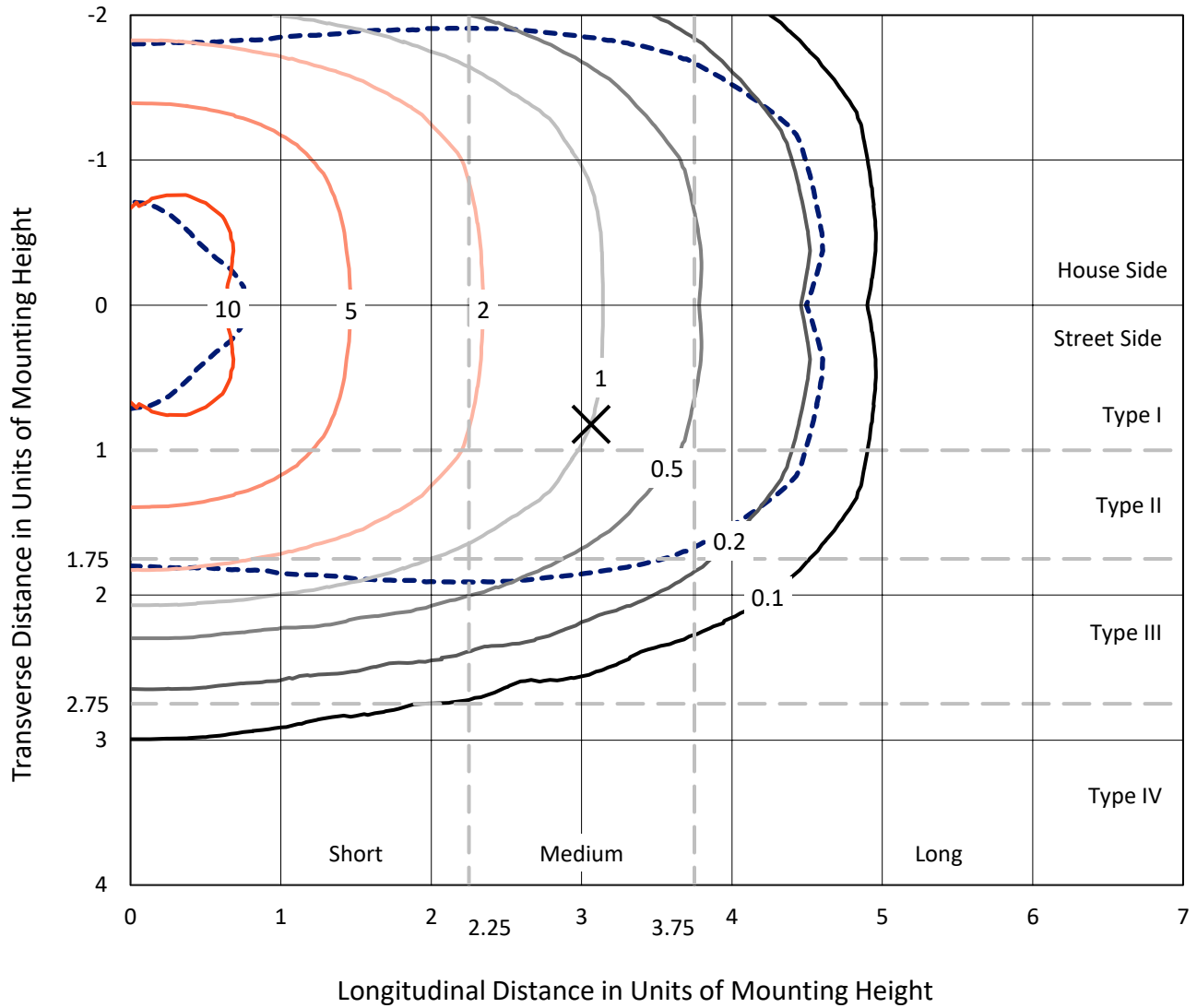
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

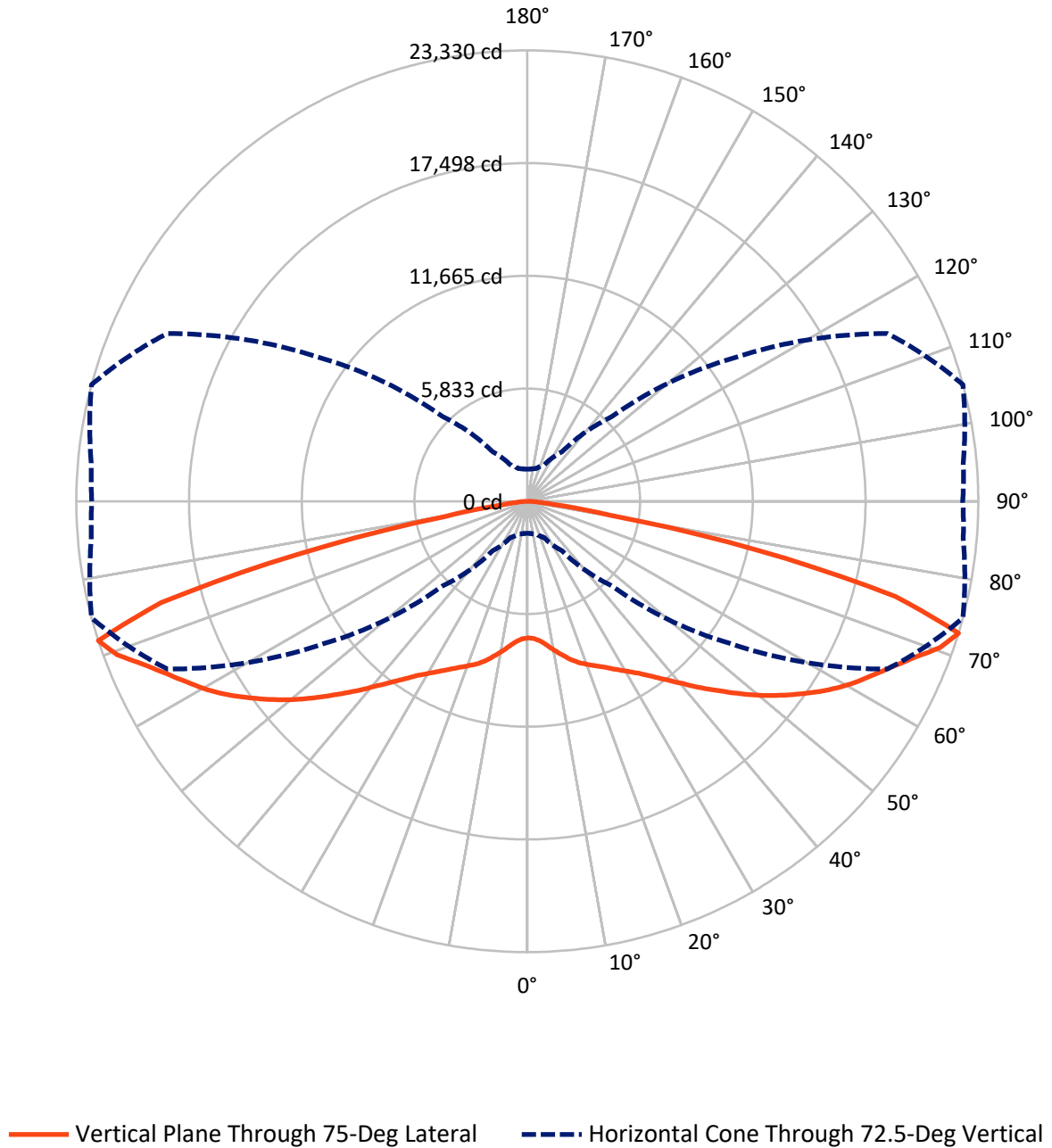
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32987.5	0.0	32987.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32987.5	0.0	32987.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	65975.0	0.0	65975.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.3	1.0
10°-20°	2283.3	3.5
20°-30°	4412.0	6.7
30°-40°	7449.9	11.3
40°-50°	11814.7	17.9
50°-60°	15818.5	24.0
60°-70°	15054.2	22.8
70°-80°	7855.5	11.9
80°-90°	594.6	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°	65975.0	100.0
0°-180°	65975.0	100.0

Coefficient of Utilization



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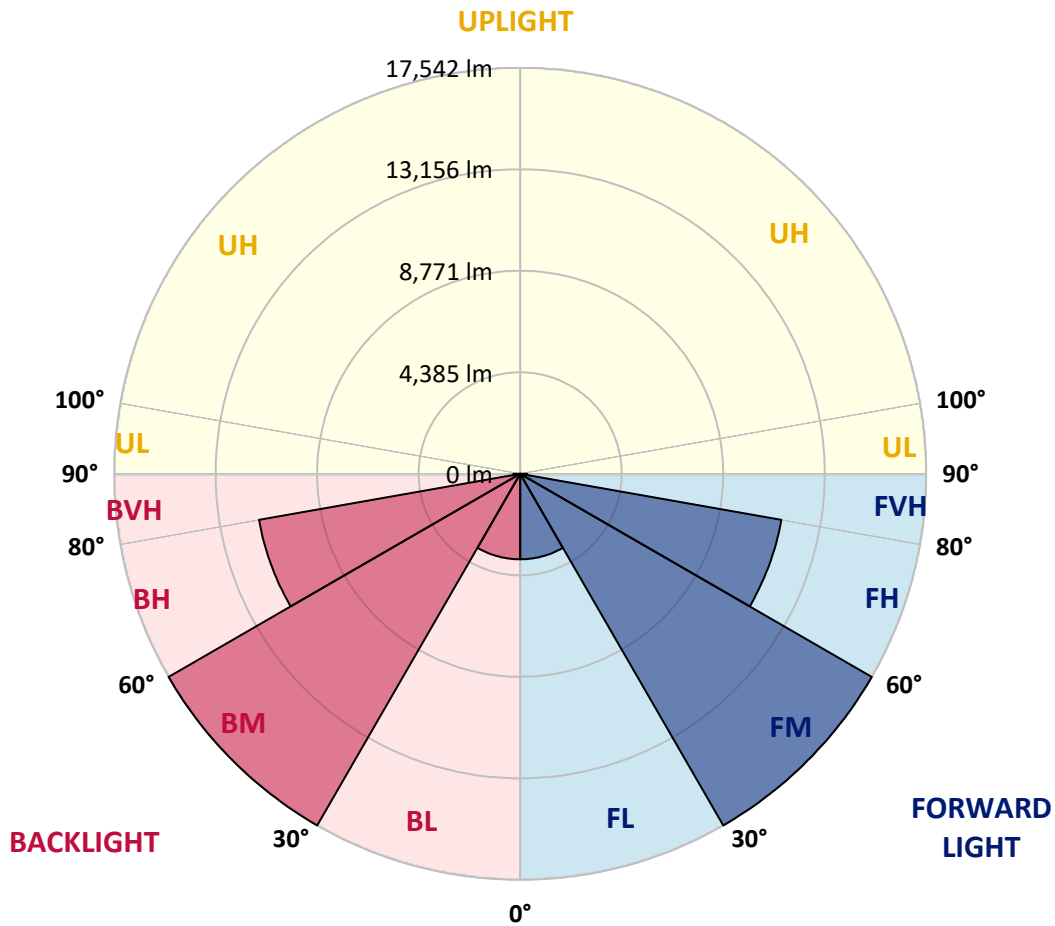
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3693.8	5.6			
FM (30°-60°)	17541.6	26.6			
FH (60°-80°)	11454.8	17.4			G4/12000
FVH (80°-90°)	297.3	0.5			G3/500
BL (0°-30°)	3693.8	5.6	B4/5000		
BM (30°-60°)	17541.6	26.6	B5		
BH (60°-80°)	11454.8	17.4	B5		G5
BVH (80°-90°)	297.3	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°
0°	7067.1	7067.1	7067.1	7067.1	7067.1	7067.1	7067.1	7067.1	7067.1	7067.1
2.5°	7067.1	7060.4	7067.1	7073.8	7070.5	7070.5	7087.3	7097.4	7117.6	7114.3
5°	7019.9	7016.6	7043.5	7073.8	7097.4	7137.8	7188.4	7225.4	7272.6	7282.7
7.5°	6996.4	6986.3	7033.4	7087.3	7161.4	7262.5	7360.2	7461.2	7542.1	7569.0
10°	7013.2	7016.6	7080.6	7181.6	7299.5	7441.0	7579.1	7750.9	7865.4	7892.4
12.5°	7090.7	7083.9	7191.7	7353.4	7515.1	7693.6	7855.3	8044.0	8168.6	8232.6
15°	7232.2	7218.7	7370.3	7609.4	7845.2	8054.1	8185.4	8364.0	8508.8	8589.7
17.5°	7400.6	7407.3	7606.1	7916.0	8225.9	8461.7	8586.3	8677.2	8788.4	8859.1
20°	7697.0	7710.5	7932.8	8300.0	8653.7	8923.1	9024.2	8990.5	9020.8	9074.7
22.5°	8094.5	8101.2	8350.5	8748.0	9118.5	9414.9	9482.3	9344.2	9260.0	9297.0
25°	8556.0	8599.8	8849.0	9256.6	9637.3	9920.2	9950.5	9741.7	9532.8	9542.9
27.5°	9118.5	9158.9	9411.6	9815.8	10203.2	10449.1	10445.7	10166.1	9859.6	9782.1
30°	9728.2	9772.0	10031.4	10449.1	10809.5	11025.1	10977.9	10644.4	10206.5	10061.7
32.5°	10452.4	10479.4	10742.1	11159.8	11493.3	11665.1	11567.4	11156.5	10610.8	10445.7
35°	11328.3	11368.7	11564.0	11958.2	12251.2	12392.7	12227.6	11742.6	11129.5	10944.2
37.5°	12328.7	12301.7	12524.1	12874.4	13116.9	13204.5	12978.8	12402.8	11722.4	11503.4
40°	13372.9	13359.5	13602.0	13938.8	14070.2	14124.1	13790.6	13160.7	12406.2	12170.4
42.5°	14319.5	14309.4	14636.1	15010.0	15168.3	15107.7	14686.6	13965.8	13197.8	12928.3
45°	15077.4	15063.9	15464.8	15990.2	16300.1	16199.1	15633.2	14855.1	13999.5	13719.9
47.5°	15660.1	15666.9	16098.0	16748.2	17290.5	17327.5	16599.9	15761.2	14882.0	14565.4
50°	16081.2	16101.4	16562.9	17283.8	18024.8	18351.6	17586.9	16690.9	15794.9	15437.8
52.5°	16185.6	16222.7	16778.5	17624.0	18496.4	19119.6	18590.7	17583.5	16660.6	16320.4
55°	15629.8	15703.9	16407.9	17597.0	18786.1	19624.9	19473.3	18489.7	17533.0	17182.7
57.5°	14353.2	14457.6	15279.5	16832.4	18722.1	19971.8	20157.1	19358.7	18405.5	18068.6
60°	12564.5	12689.1	13477.4	15171.7	17819.3	20099.8	20638.8	20204.2	19207.2	18880.4
62.5°	9866.3	10028.0	10971.2	12958.6	15912.8	19503.6	21049.7	20968.9	19928.0	19520.4
65°	6329.4	6501.2	7494.9	9842.7	13369.6	17677.9	21177.7	21713.3	20689.3	20120.0
67.5°	3816.5	3894.0	4385.8	5965.6	9772.0	14925.8	20093.1	22538.6	21578.6	20871.2
70°	2442.2	2485.9	2779.0	3503.2	5524.3	10890.3	17405.0	22693.6	22656.5	21642.6
72.5°	1657.3	1670.8	1748.2	2075.0	3126.0	6187.9	12837.3	20544.5	23330.2	22636.3
75°	1212.7	1286.8	1411.4	1468.7	1775.2	3092.3	7356.8	14434.0	19661.9	19965.1
77.5°	902.8	906.1	1077.9	1145.3	1266.6	1647.2	3112.5	8057.4	12207.4	12817.1
80°	764.6	724.2	720.9	923.0	953.3	1027.4	1391.2	2782.4	4372.3	2651.0
82.5°	636.6	592.9	535.6	720.9	650.1	629.9	603.0	1131.8	1391.2	683.8
85°	444.6	424.4	404.2	471.6	370.5	316.6	289.7	528.9	586.1	289.7
87.5°	192.0	198.7	202.1	208.8	155.0	111.2	111.2	148.2	148.2	114.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7067.1
7110.9
7282.7
7575.7
7919.3
8259.6
8620.0
8892.8
9115.1
9324.0
9559.8
9805.7
10078.5
10486.1
10971.2
11543.8
12247.8
12995.7
13783.9
14659.7
15545.6
16407.9
17280.4
18146.1
18951.2
19567.6
20190.8
20925.1
21635.8
22528.5
19230.7
11432.7
2004.3
582.7
256.0
84.2
0.0

OF REPORT)