

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: P954557

Luminaire Tested: **GALN-SB7D-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954557
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-SB7D-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 78842 lumens
Efficiency: N/A
Efficacy: 153.7 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

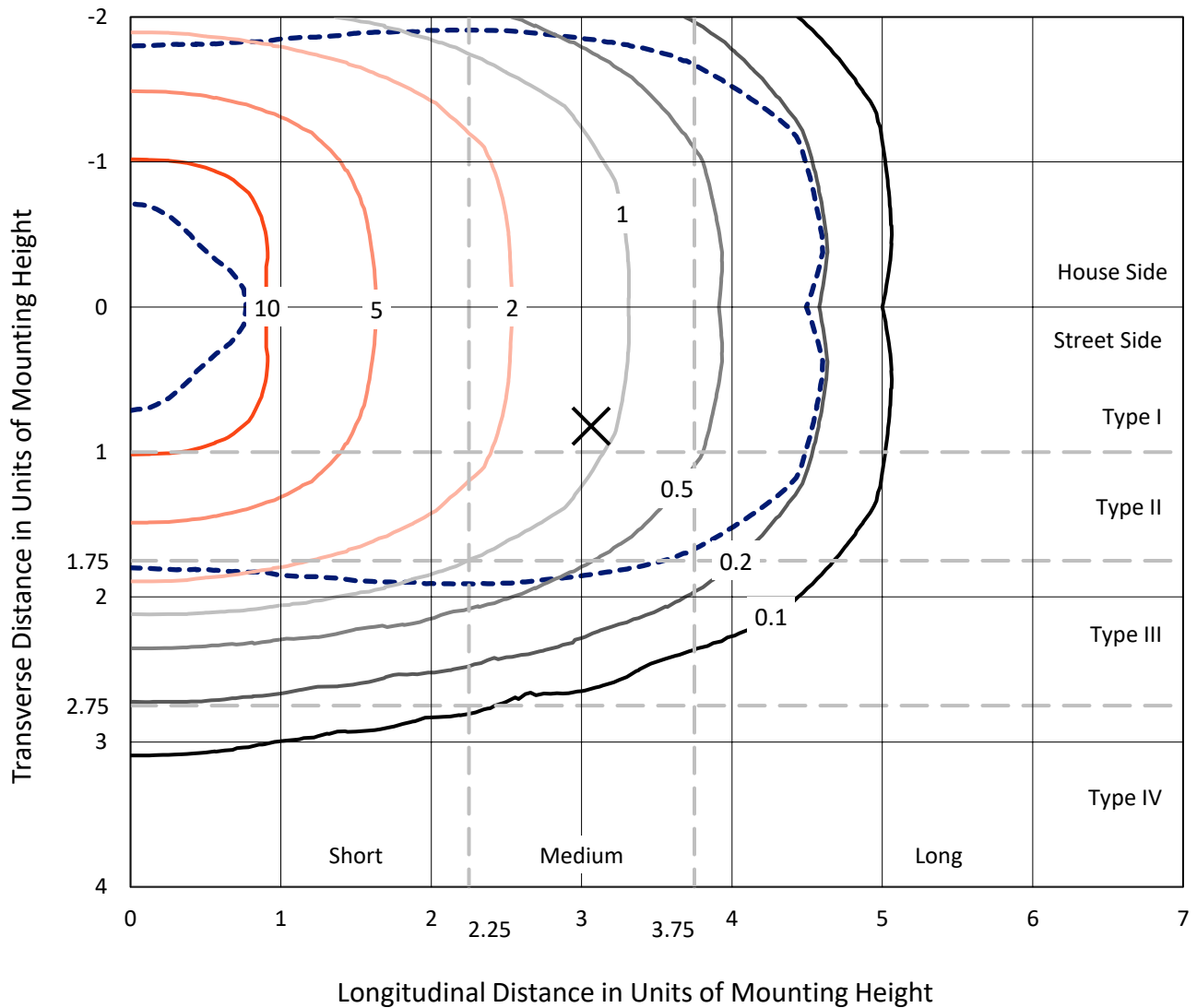
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

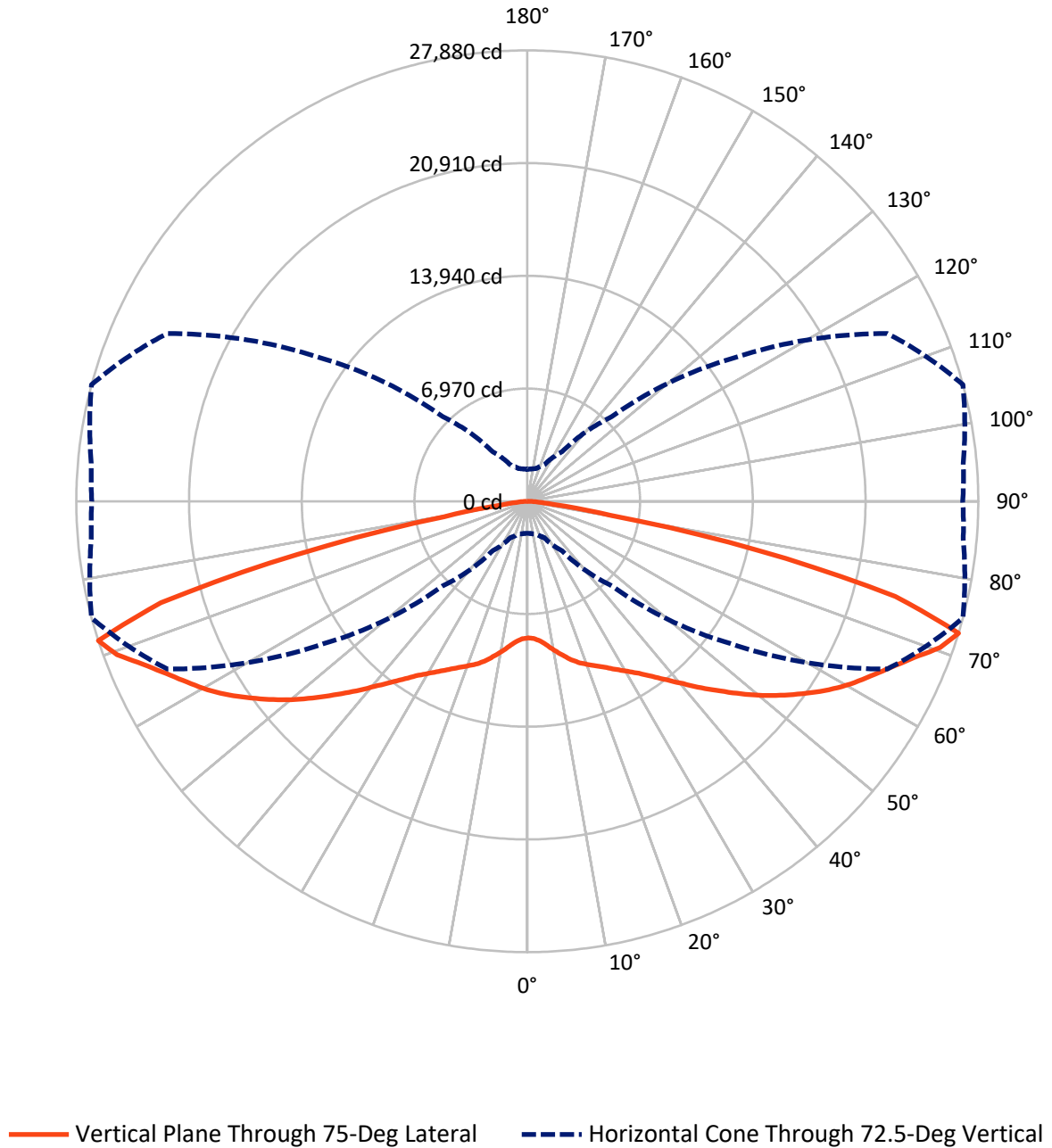
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 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	39421.0	0.0	39421.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	39421.0	0.0	39421.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	78842.0	0.0	78842.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.3	1.0
10°-20°	2728.6	3.5
20°-30°	5272.4	6.7
30°-40°	8902.8	11.3
40°-50°	14118.9	17.9
50°-60°	18903.6	24.0
60°-70°	17990.1	22.8
70°-80°	9387.6	11.9
80°-90°	710.6	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°	78842.0	100.0
0°-180°	78842.0	100.0

Coefficient of Utilization



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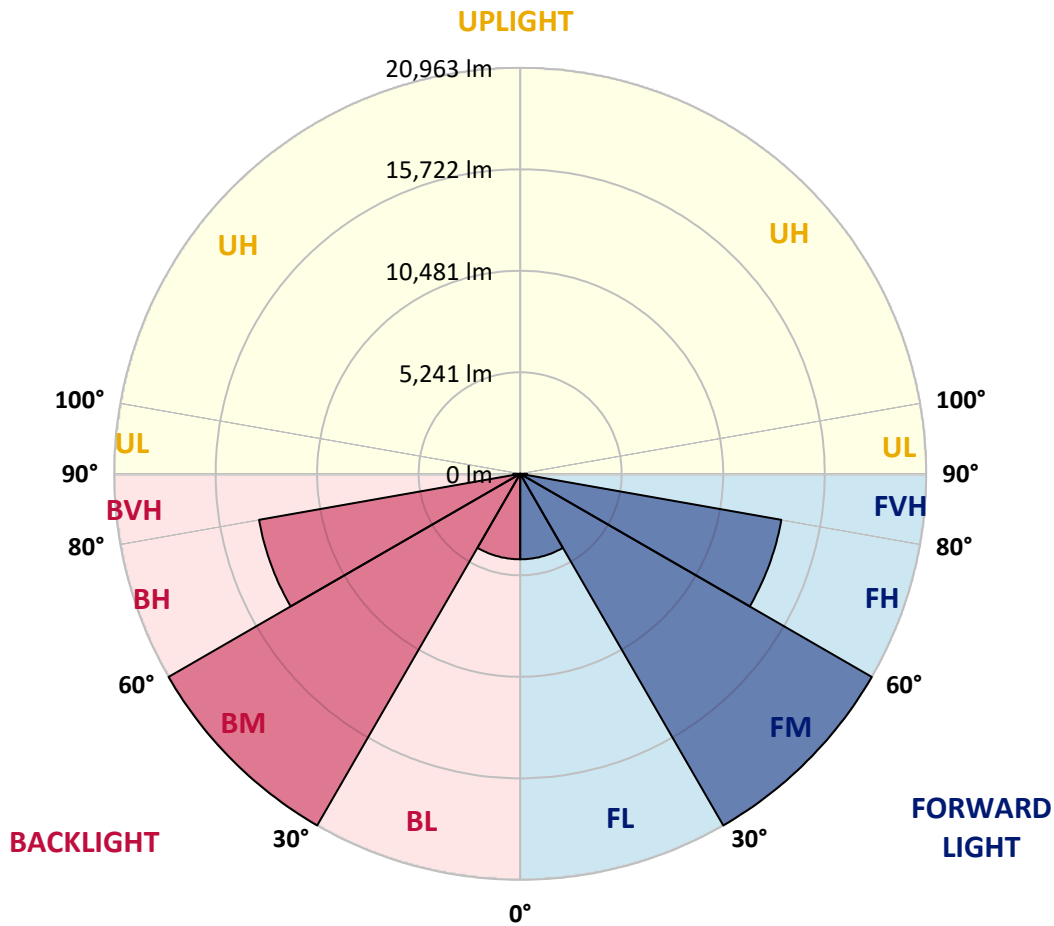
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4414.2	5.6			
FM (30°-60°)	20962.7	26.6			
FH (60°-80°)	13688.9	17.4			G5
FVH (80°-90°)	355.3	0.5			G3/500
BL (0°-30°)	4414.2	5.6	B4/5000		
BM (30°-60°)	20962.7	26.6	B5		
BH (60°-80°)	13688.9	17.4	B5		G5
BVH (80°-90°)	355.3	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°	8445.4	8445.4	8445.4	8445.4	8445.4	8445.4	8445.4	8445.4	8445.4	8445.4
2.5°	8445.4	8437.3	8445.4	8453.4	8449.4	8449.4	8469.5	8481.6	8505.8	8501.7
5°	8389.0	8385.0	8417.2	8453.4	8481.6	8529.9	8590.3	8634.6	8690.9	8703.0
7.5°	8360.9	8348.8	8405.1	8469.5	8558.1	8678.9	8795.6	8916.4	9013.0	9045.2
10°	8381.0	8385.0	8461.5	8582.3	8723.1	8892.2	9057.3	9262.6	9399.4	9431.6
12.5°	8473.6	8465.5	8594.3	8787.6	8980.8	9194.1	9387.3	9612.8	9761.7	9838.2
15°	8642.6	8626.5	8807.7	9093.5	9375.3	9624.8	9781.8	9995.2	10168.3	10264.9
17.5°	8843.9	8852.0	9089.5	9459.8	9830.1	10111.9	10260.9	10369.6	10502.4	10586.9
20°	9198.1	9214.3	9479.9	9918.7	10341.4	10663.4	10784.2	10743.9	10780.1	10844.6
22.5°	9673.2	9681.2	9979.1	10454.1	10896.9	11251.1	11331.6	11166.6	11066.0	11110.2
25°	10224.6	10277.0	10574.9	11061.9	11516.8	11854.9	11891.2	11641.6	11392.0	11404.1
27.5°	10896.9	10945.2	11247.1	11730.2	12193.1	12486.9	12482.9	12148.8	11782.5	11689.9
30°	11625.5	11677.8	11987.8	12486.9	12917.7	13175.3	13118.9	12720.4	12197.1	12024.0
32.5°	12491.0	12523.2	12837.2	13336.3	13734.8	13940.1	13823.4	13332.3	12680.2	12482.9
35°	13537.6	13585.9	13819.4	14290.3	14640.6	14809.6	14612.4	14032.7	13300.1	13078.7
37.5°	14733.1	14700.9	14966.6	15385.3	15675.1	15779.8	15510.1	14821.7	14008.6	13746.9
40°	15981.0	15964.9	16254.8	16657.3	16814.3	16878.7	16480.2	15727.4	14825.7	14543.9
42.5°	17112.2	17100.1	17490.6	17937.4	18126.6	18054.1	17551.0	16689.5	15771.7	15449.7
45°	18017.9	18001.8	18480.8	19108.8	19479.1	19358.4	18682.1	17752.2	16729.8	16395.6
47.5°	18714.3	18722.4	19237.6	20014.5	20662.6	20706.9	19837.4	18835.1	17784.4	17406.0
50°	19217.5	19241.6	19793.1	20654.6	21540.2	21930.6	21016.9	19946.1	18875.3	18448.6
52.5°	19342.3	19386.6	20050.8	21061.1	22103.7	22848.4	22216.4	21012.8	19909.9	19503.3
55°	18678.1	18766.6	19608.0	21028.9	22449.9	23452.3	23271.1	22095.7	20952.5	20533.8
57.5°	17152.4	17277.2	18259.4	20115.2	22373.4	23866.9	24088.3	23134.2	21995.0	21592.5
60°	15014.9	15163.9	16105.8	18130.6	21294.6	24019.8	24663.9	24144.6	22953.1	22562.6
62.5°	11790.5	11983.8	13110.9	15485.9	19016.2	23307.3	25155.0	25058.4	23814.5	23327.5
65°	7563.8	7769.1	8956.6	11762.4	15977.0	21125.6	25308.0	25948.0	24724.3	24044.0
67.5°	4560.8	4653.4	5241.1	7129.1	11677.8	17836.8	24011.8	26934.3	25787.0	24941.7
70°	2918.4	2970.8	3321.0	4186.5	6601.7	13014.3	20799.5	27119.4	27075.2	25863.5
72.5°	1980.5	1996.6	2089.2	2479.7	3735.6	7394.7	15341.0	24551.2	27880.3	27051.0
75°	1449.2	1537.7	1686.7	1755.1	2121.4	3695.4	8791.6	17249.0	23496.5	23858.8
77.5°	1078.8	1082.8	1288.1	1368.7	1513.6	1968.4	3719.5	9628.9	14588.2	15316.8
80°	913.8	865.5	861.4	1103.0	1139.2	1227.8	1662.5	3325.0	5225.0	3168.0
82.5°	760.8	708.5	640.0	861.4	776.9	752.8	720.6	1352.6	1662.5	817.2
85°	531.4	507.2	483.1	563.6	442.8	378.4	346.2	632.0	700.4	346.2
87.5°	229.5	237.5	241.5	249.6	185.2	132.8	132.8	177.1	177.1	136.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
8445.4
8497.7
8703.0
9053.2
9463.8
9870.4
10301.1
10627.2
10892.9
11142.4
11424.2
11718.1
12044.1
12531.2
13110.9
13795.2
14636.5
15530.2
16472.1
17518.7
18577.4
19608.0
20650.5
21685.1
22647.2
23383.8
24128.5
25006.1
25855.5
26922.2
22981.3
13662.4
2395.1
696.4
305.9
100.6
0.0

OF REPORT)