

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: P957539

Luminaire Tested: **GALN-SB9D-840-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957539
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-SB9D-840-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 91295 lumens
Efficiency: N/A
Efficacy: 138.7 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

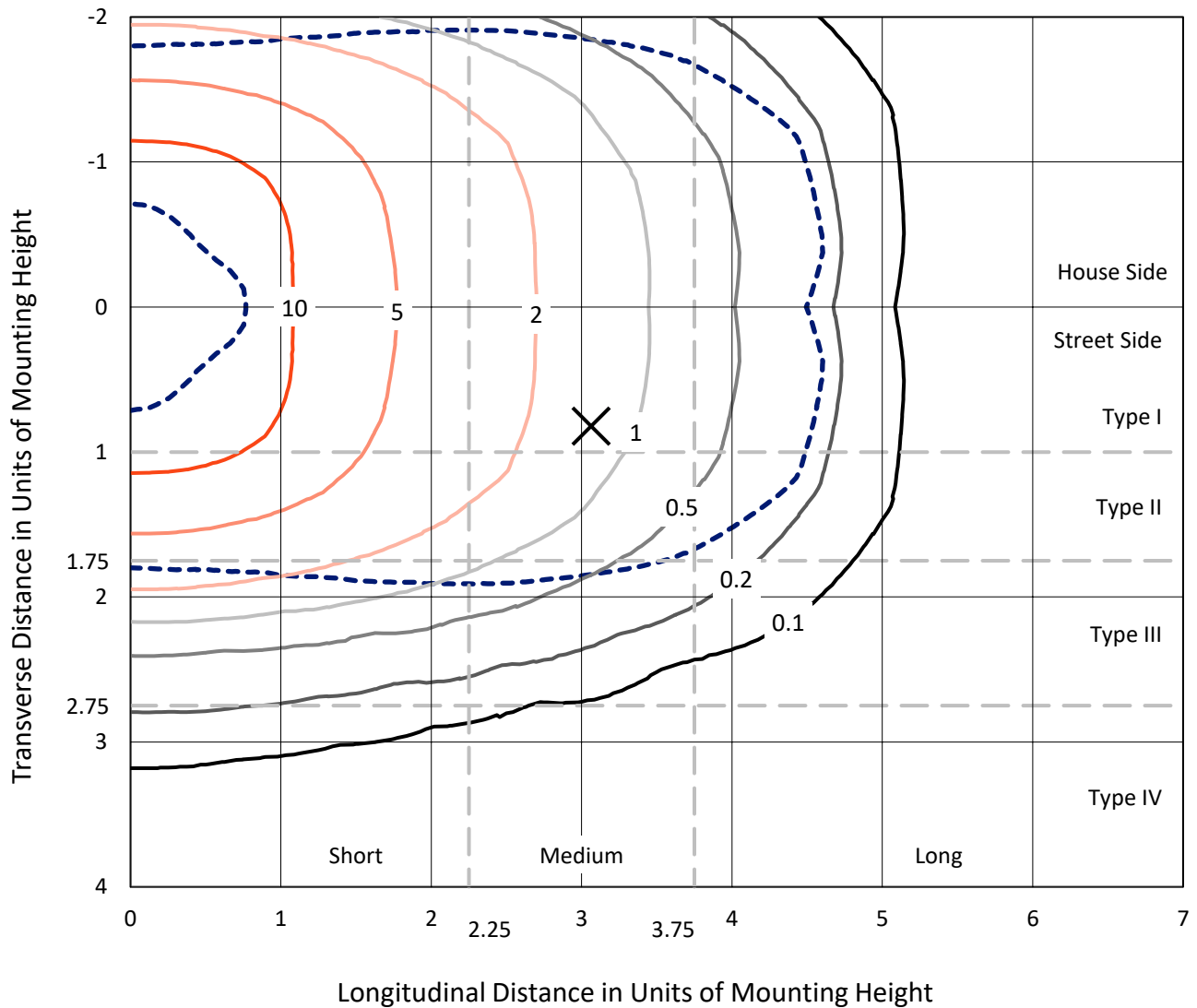
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

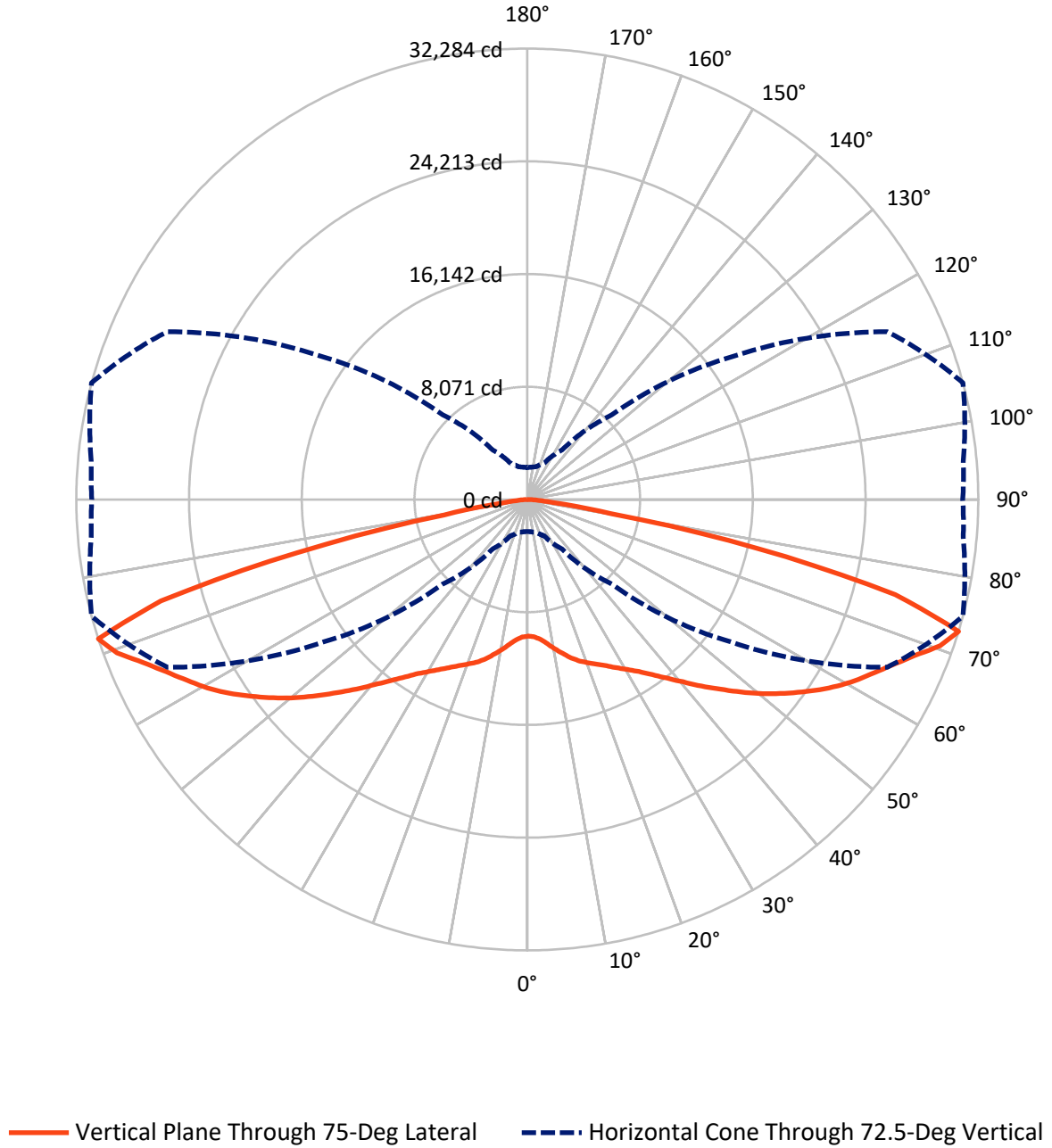
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 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	45647.5	0.0	45647.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	45647.5	0.0	45647.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	91295.0	0.0	91295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	958.0	1.0
10°-20°	3159.6	3.5
20°-30°	6105.2	6.7
30°-40°	10309.0	11.3
40°-50°	16349.0	17.9
50°-60°	21889.4	24.0
60°-70°	20831.7	22.8
70°-80°	10870.3	11.9
80°-90°	822.8	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°	91295.0	100.0
0°-180°	91295.0	100.0

Coefficient of Utilization



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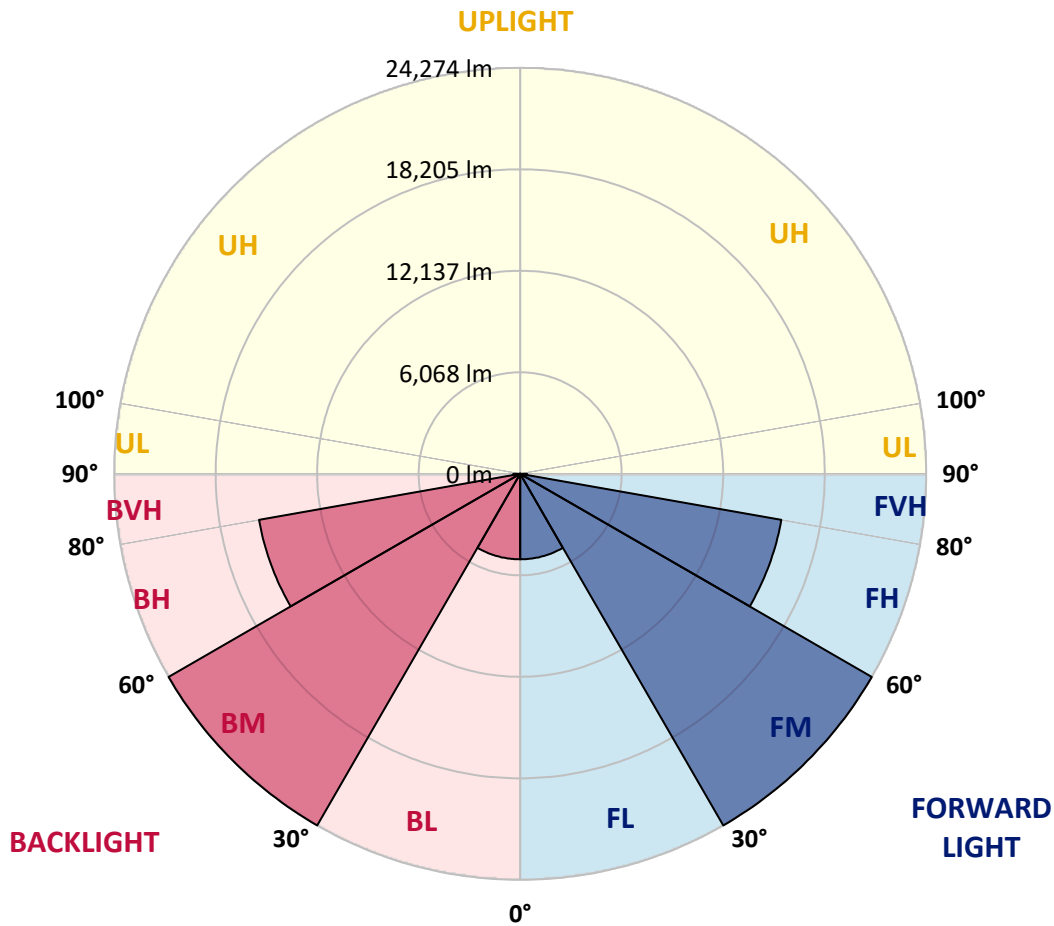
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5111.4	5.6			
FM (30°-60°)	24273.7	26.6			
FH (60°-80°)	15851.0	17.4			G5
FVH (80°-90°)	411.4	0.5			G3/500
BL (0°-30°)	5111.4	5.6	B5		
BM (30°-60°)	24273.7	26.6	B5		
BH (60°-80°)	15851.0	17.4	B5		G5
BVH (80°-90°)	411.4	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°	9779.3	9779.3	9779.3	9779.3	9779.3	9779.3	9779.3	9779.3	9779.3	9779.3
2.5°	9779.3	9770.0	9779.3	9788.7	9784.0	9784.0	9807.3	9821.3	9849.2	9844.6
5°	9714.1	9709.4	9746.7	9788.7	9821.3	9877.2	9947.1	9998.4	10063.7	10077.6
7.5°	9681.4	9667.5	9732.7	9807.3	9909.8	10049.7	10184.9	10324.7	10436.6	10473.9
10°	9704.7	9709.4	9798.0	9937.8	10101.0	10296.7	10487.8	10725.6	10884.0	10921.3
12.5°	9812.0	9802.6	9951.8	10175.5	10399.3	10646.3	10870.1	11131.1	11303.6	11392.1
15°	10007.7	9989.1	10198.8	10529.8	10856.1	11145.1	11326.9	11573.9	11774.3	11886.2
17.5°	10240.8	10250.1	10525.1	10954.0	11382.8	11709.1	11881.6	12007.4	12161.2	12259.1
20°	10651.0	10669.6	10977.3	11485.4	11974.8	12347.7	12487.5	12440.9	12482.9	12557.4
22.5°	11201.0	11210.3	11555.3	12105.3	12618.0	13028.2	13121.5	12930.3	12813.8	12865.1
25°	11839.6	11900.2	12245.1	12809.1	13335.9	13727.4	13769.4	13480.4	13191.4	13205.4
27.5°	12618.0	12674.0	13023.6	13582.9	14119.0	14459.2	14454.6	14067.7	13643.5	13536.3
30°	13461.7	13522.3	13881.2	14459.2	14958.0	15256.3	15191.1	14729.6	14123.6	13923.2
32.5°	14463.9	14501.2	14864.8	15442.8	15904.2	16142.0	16006.8	15438.1	14683.0	14454.6
35°	15675.8	15731.8	16002.1	16547.5	16953.0	17148.8	16920.4	16249.2	15400.8	15144.4
37.5°	17060.2	17022.9	17330.6	17815.3	18151.0	18272.1	17959.8	17162.8	16221.2	15918.2
40°	18505.2	18486.6	18822.2	19288.3	19470.1	19544.7	19083.2	18211.6	17167.4	16841.1
42.5°	19815.0	19801.0	20253.2	20770.6	20989.7	20905.8	20323.1	19325.6	18262.8	17889.9
45°	20863.8	20845.2	21399.9	22127.0	22555.8	22416.0	21632.9	20556.2	19372.2	18985.3
47.5°	21670.2	21679.5	22276.2	23175.8	23926.3	23977.5	22970.7	21810.0	20593.5	20155.3
50°	22252.9	22280.8	22919.4	23916.9	24942.4	25394.6	24336.5	23096.6	21856.7	21362.6
52.5°	22397.4	22448.6	23217.7	24387.7	25595.0	26457.3	25725.5	24331.8	23054.6	22583.8
55°	21628.3	21730.8	22705.0	24350.4	25995.9	27156.5	26946.8	25585.7	24261.9	23777.1
57.5°	19861.6	20006.1	21143.5	23292.3	25907.3	27636.6	27893.0	26788.3	25469.1	25003.0
60°	17386.5	17559.0	18649.7	20994.3	24658.1	27813.8	28559.6	27958.3	26578.5	26126.4
62.5°	13652.8	13876.6	15181.7	17931.9	22019.8	26988.7	29128.2	29016.4	27576.0	27012.0
65°	8758.5	8996.2	10371.3	13620.2	18500.6	24462.3	29305.4	30046.5	28629.5	27841.7
67.5°	5281.2	5388.4	6069.0	8255.1	13522.3	20654.1	27804.4	31188.5	29860.0	28881.2
70°	3379.4	3440.0	3845.5	4847.7	7644.5	15069.9	24084.7	31402.9	31351.7	29948.6
72.5°	2293.3	2312.0	2419.2	2871.3	4325.7	8562.7	17764.1	28429.0	32283.9	31323.7
75°	1678.1	1780.6	1953.1	2032.3	2456.5	4279.0	10180.2	19973.5	27207.8	27627.3
77.5°	1249.2	1253.9	1491.6	1584.8	1752.6	2279.4	4307.0	11149.7	16892.4	17736.1
80°	1058.1	1002.2	997.5	1277.2	1319.1	1421.7	1925.1	3850.2	6050.3	3668.4
82.5°	881.0	820.4	741.1	997.5	899.6	871.7	834.4	1566.2	1925.1	946.2
85°	615.3	587.3	559.4	652.6	512.7	438.2	400.9	731.8	811.1	400.9
87.5°	265.7	275.0	279.7	289.0	214.4	153.8	153.8	205.1	205.1	158.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
9779.3
9839.9
10077.6
10483.2
10958.6
11429.4
11928.2
12305.7
12613.4
12902.4
13228.7
13568.9
13946.5
14510.5
15181.7
15974.1
16948.4
17983.2
19073.9
20285.8
21511.7
22705.0
23912.3
25110.2
26224.3
27077.3
27939.6
28955.8
29939.3
31174.5
26611.1
15820.3
2773.5
806.4
354.3
116.5
0.0

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