

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: P948845

Luminaire Tested: **GALN-SB3D-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948845
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-SB3D-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 33263 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

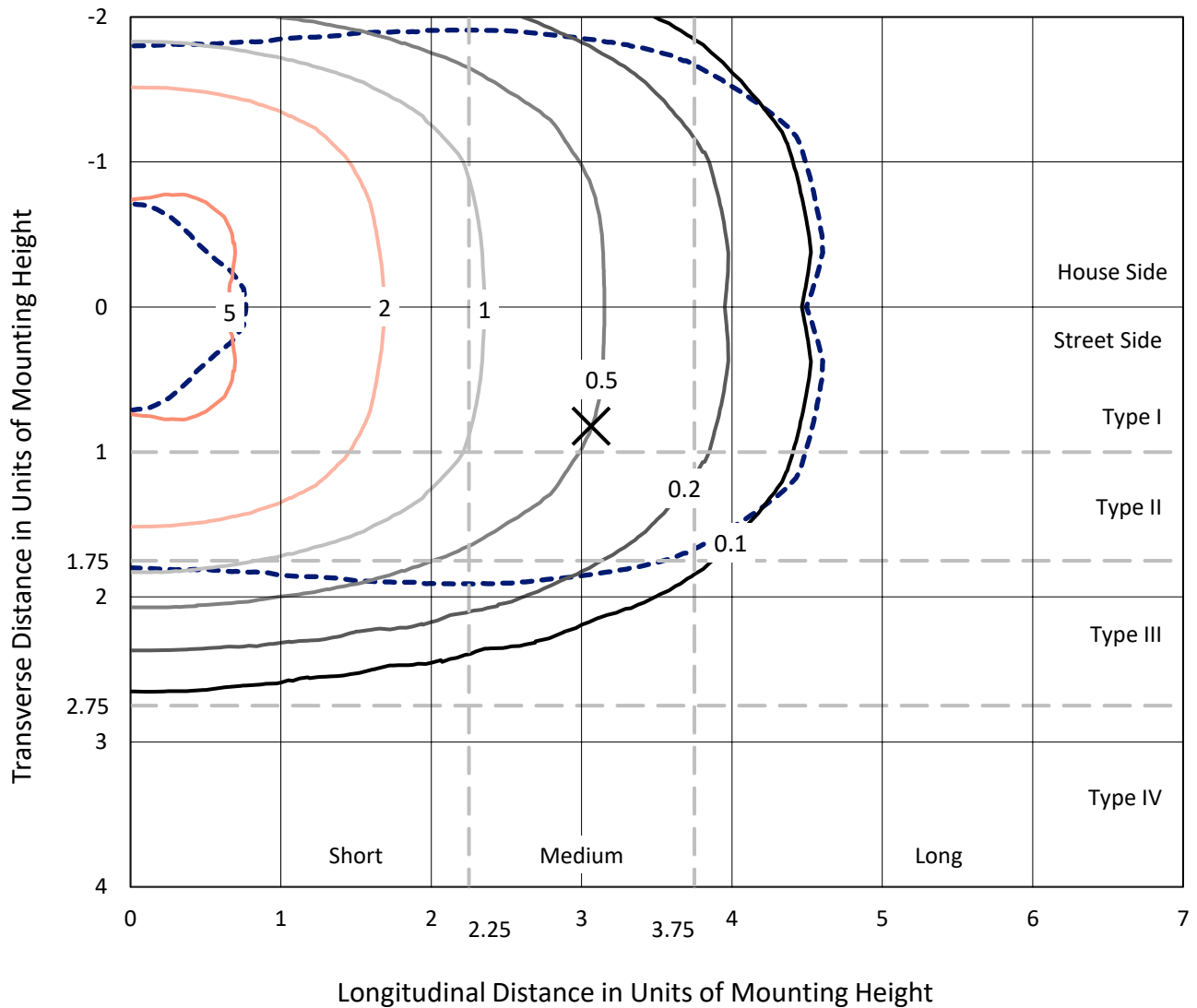
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

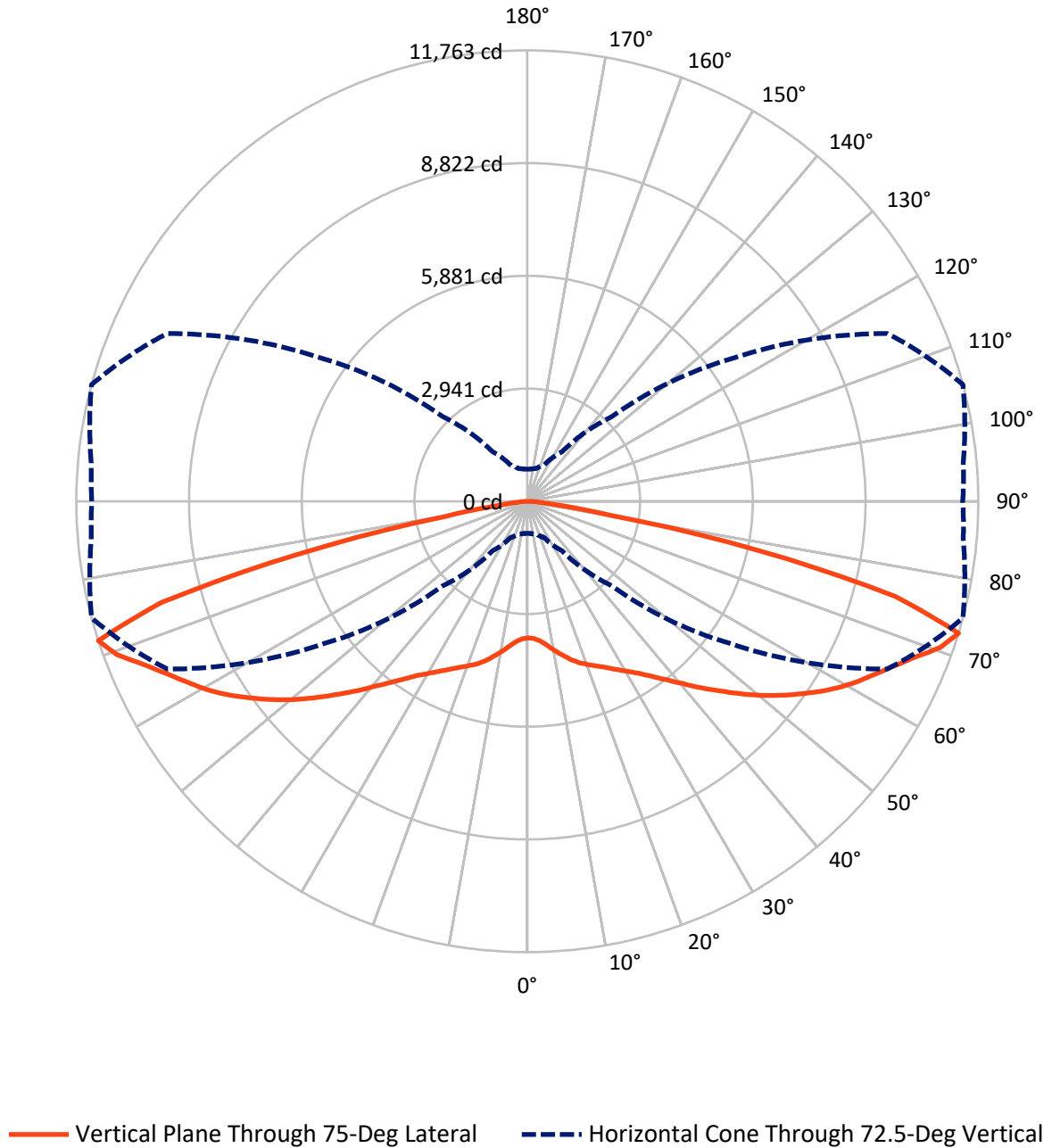
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	16631.5	0.0	16631.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16631.5	0.0	16631.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33263.0	0.0	33263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.0	1.0
10°-20°	1151.2	3.5
20°-30°	2224.4	6.7
30°-40°	3756.1	11.3
40°-50°	5956.7	17.9
50°-60°	7975.3	24.0
60°-70°	7589.9	22.8
70°-80°	3960.6	11.9
80°-90°	299.8	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°	33263.0	100.0
0°-180°	33263.0	100.0

Coefficient of Utilization



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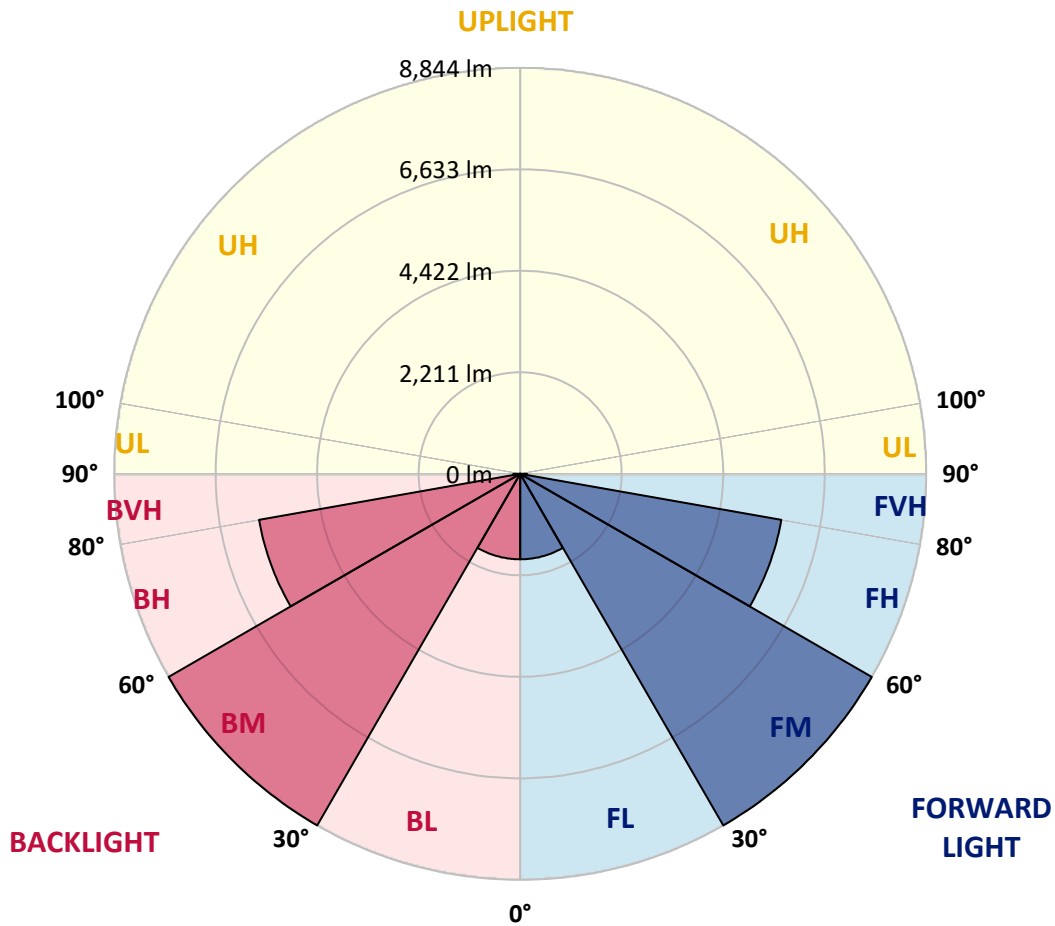
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1862.3	5.6			
FM (30°-60°)	8844.0	26.6			
FH (60°-80°)	5775.2	17.4			G3/7500
FVH (80°-90°)	149.9	0.5			G2/225
BL (0°-30°)	1862.3	5.6	B3/2500		
BM (30°-60°)	8844.0	26.6	B5		
BH (60°-80°)	5775.2	17.4	B5		G5
BVH (80°-90°)	149.9	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°
0°	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1
2.5°	3563.1	3559.7	3563.1	3566.5	3564.8	3564.8	3573.3	3578.3	3588.5	3586.8
5°	3539.3	3537.6	3551.2	3566.5	3578.3	3598.7	3624.2	3642.9	3666.7	3671.8
7.5°	3527.4	3522.3	3546.1	3573.3	3610.6	3661.6	3710.8	3761.8	3802.5	3816.1
10°	3535.9	3537.6	3569.9	3620.8	3680.2	3751.6	3821.2	3907.8	3965.6	3979.1
12.5°	3575.0	3571.6	3625.9	3707.4	3788.9	3878.9	3960.5	4055.6	4118.4	4150.7
15°	3646.3	3639.5	3715.9	3836.5	3955.4	4060.7	4126.9	4216.9	4289.9	4330.7
17.5°	3731.2	3734.6	3834.8	3991.0	4147.3	4266.2	4329.0	4374.9	4430.9	4466.6
20°	3880.6	3887.4	3999.5	4184.6	4363.0	4498.8	4549.8	4532.8	4548.1	4575.3
22.5°	4081.0	4084.4	4210.1	4410.5	4597.3	4746.8	4780.8	4711.1	4668.7	4687.3
25°	4313.7	4335.8	4461.5	4667.0	4858.9	5001.5	5016.8	4911.5	4806.2	4811.3
27.5°	4597.3	4617.7	4745.1	4948.9	5144.2	5268.2	5266.5	5125.5	4971.0	4931.9
30°	4904.7	4926.8	5057.6	5268.2	5449.9	5558.6	5534.8	5366.7	5145.9	5072.9
32.5°	5269.9	5283.5	5415.9	5626.5	5794.6	5881.3	5832.0	5624.8	5349.7	5266.5
35°	5711.4	5731.8	5830.3	6029.0	6176.8	6248.1	6164.9	5920.3	5611.2	5517.8
37.5°	6215.8	6202.2	6314.3	6491.0	6613.2	6657.4	6543.6	6253.2	5910.1	5799.7
40°	6742.3	6735.5	6857.8	7027.6	7093.9	7121.0	6952.9	6635.3	6254.9	6136.0
42.5°	7219.5	7214.4	7379.2	7567.7	7647.5	7616.9	7404.6	7041.2	6654.0	6518.1
45°	7601.7	7594.9	7797.0	8061.9	8218.1	8167.2	7881.9	7489.6	7058.2	6917.2
47.5°	7895.5	7898.9	8116.2	8444.0	8717.4	8736.1	8369.3	7946.4	7503.2	7343.5
50°	8107.8	8117.9	8350.6	8714.0	9087.7	9252.4	8866.9	8415.1	7963.4	7783.4
52.5°	8160.4	8179.1	8459.3	8885.6	9325.4	9639.6	9373.0	8865.2	8399.9	8228.3
55°	7880.2	7917.5	8272.5	8872.0	9471.5	9894.4	9818.0	9322.0	8839.7	8663.1
57.5°	7236.5	7289.2	7703.6	8486.5	9439.2	10069.3	10162.7	9760.2	9279.6	9109.8
60°	6334.7	6397.5	6795.0	7649.2	8984.1	10133.8	10405.6	10186.5	9683.8	9519.0
62.5°	4974.4	5055.9	5531.4	6533.4	8022.8	9833.2	10612.8	10572.0	10047.2	9841.7
65°	3191.1	3277.7	3778.7	4962.5	6740.6	8912.8	10677.3	10947.3	10431.0	10144.0
67.5°	1924.2	1963.3	2211.2	3007.7	4926.8	7525.2	10130.4	11363.4	10879.4	10522.8
70°	1231.3	1253.4	1401.1	1766.2	2785.2	5490.6	8775.2	11441.5	11422.9	10911.7
72.5°	835.6	842.4	881.4	1046.2	1576.0	3119.8	6472.3	10358.0	11762.5	11412.7
75°	611.4	648.8	711.6	740.5	895.0	1559.1	3709.1	7277.3	9913.1	10065.9
77.5°	455.1	456.8	543.5	577.4	638.6	830.5	1569.2	4062.4	6154.7	6462.1
80°	385.5	365.1	363.4	465.3	480.6	518.0	701.4	1402.8	2204.4	1336.6
82.5°	321.0	298.9	270.0	363.4	327.8	317.6	304.0	570.6	701.4	344.8
85°	224.2	214.0	203.8	237.8	186.8	159.6	146.1	266.6	295.5	146.1
87.5°	96.8	100.2	101.9	105.3	78.1	56.0	56.0	74.7	74.7	57.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3563.1
3585.1
3671.8
3819.5
3992.7
4164.3
4346.0
4483.5
4595.6
4700.9
4819.8
4943.8
5081.4
5286.9
5531.4
5820.1
6175.1
6552.1
6949.5
7391.1
7837.7
8272.5
8712.4
9148.8
9554.7
9865.5
10179.7
10549.9
10908.3
11358.3
9695.7
5764.1
1010.5
293.8
129.1
42.5
0.0

OF REPORT)