

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: P948841

Luminaire Tested: **GALN-SB3D-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33828 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

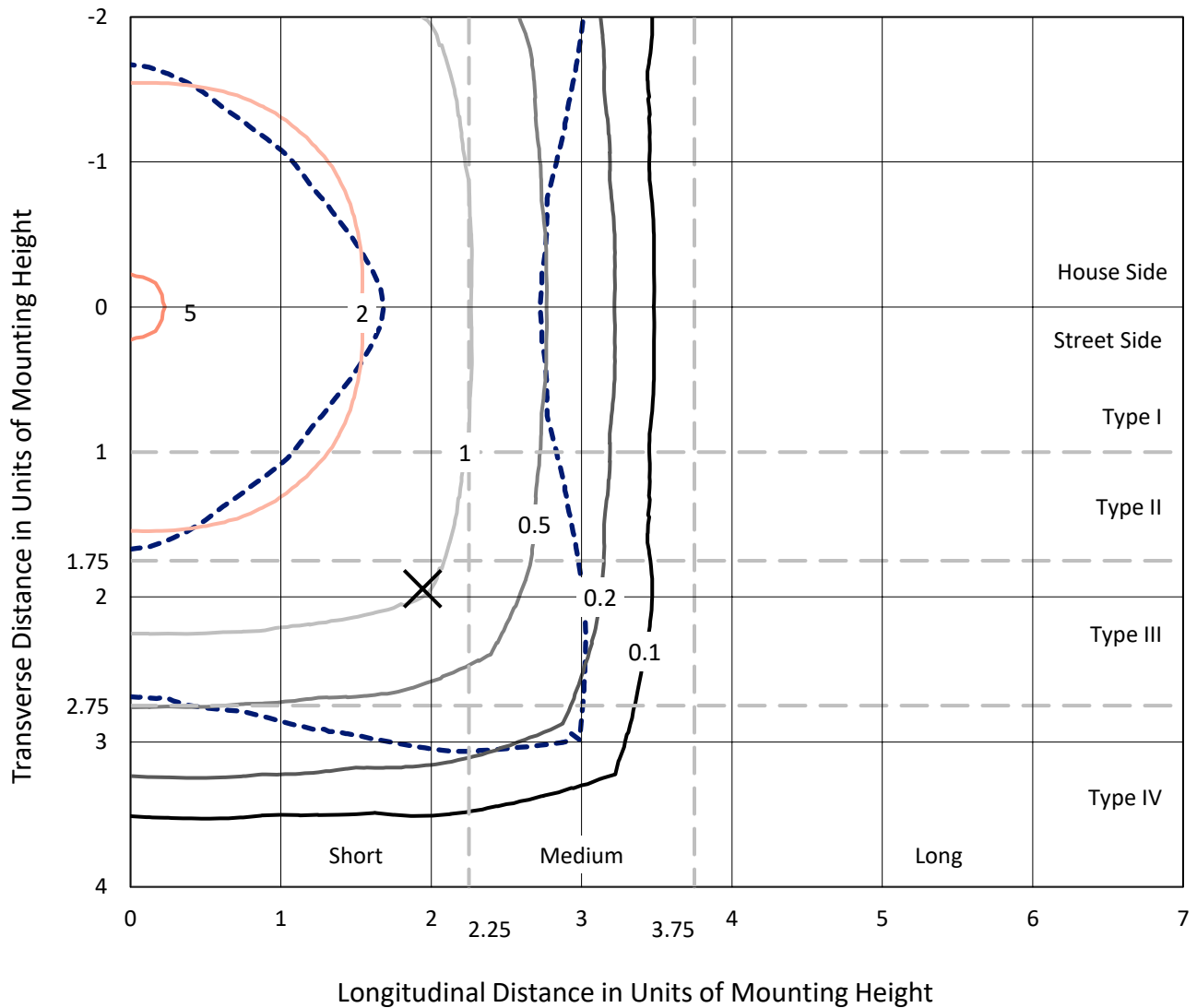
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

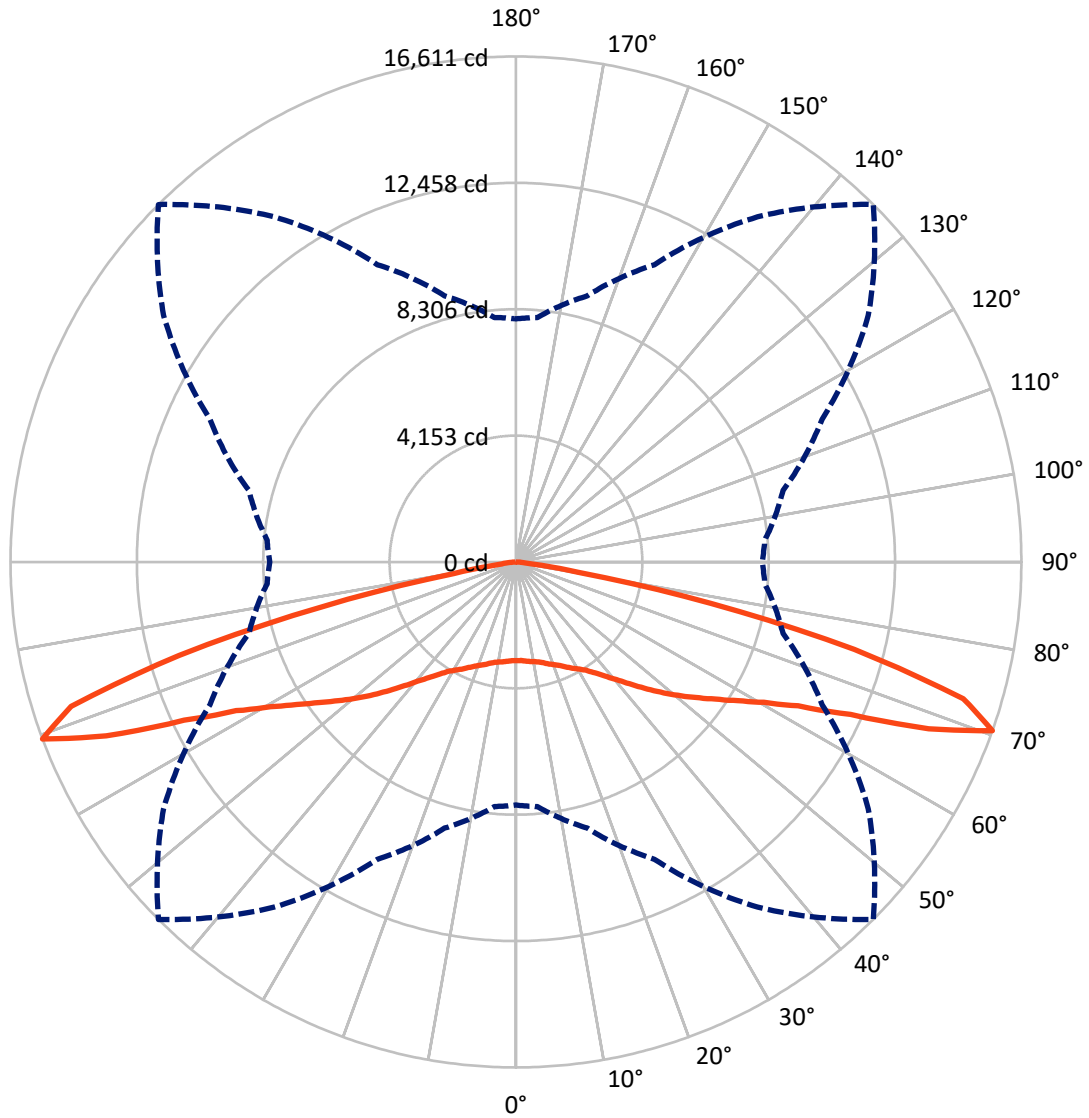
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16914.0	0.0	16914.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16914.0	0.0	16914.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33828.0	0.0	33828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.8	0.9
10°-20°	976.2	2.9
20°-30°	1744.5	5.2
30°-40°	2827.9	8.4
40°-50°	4606.1	13.6
50°-60°	7022.7	20.8
60°-70°	10447.6	30.9
70°-80°	5694.3	16.8
80°-90°	193.9	0.6
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°	33828.0	100.0
0°-180°	33828.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948841

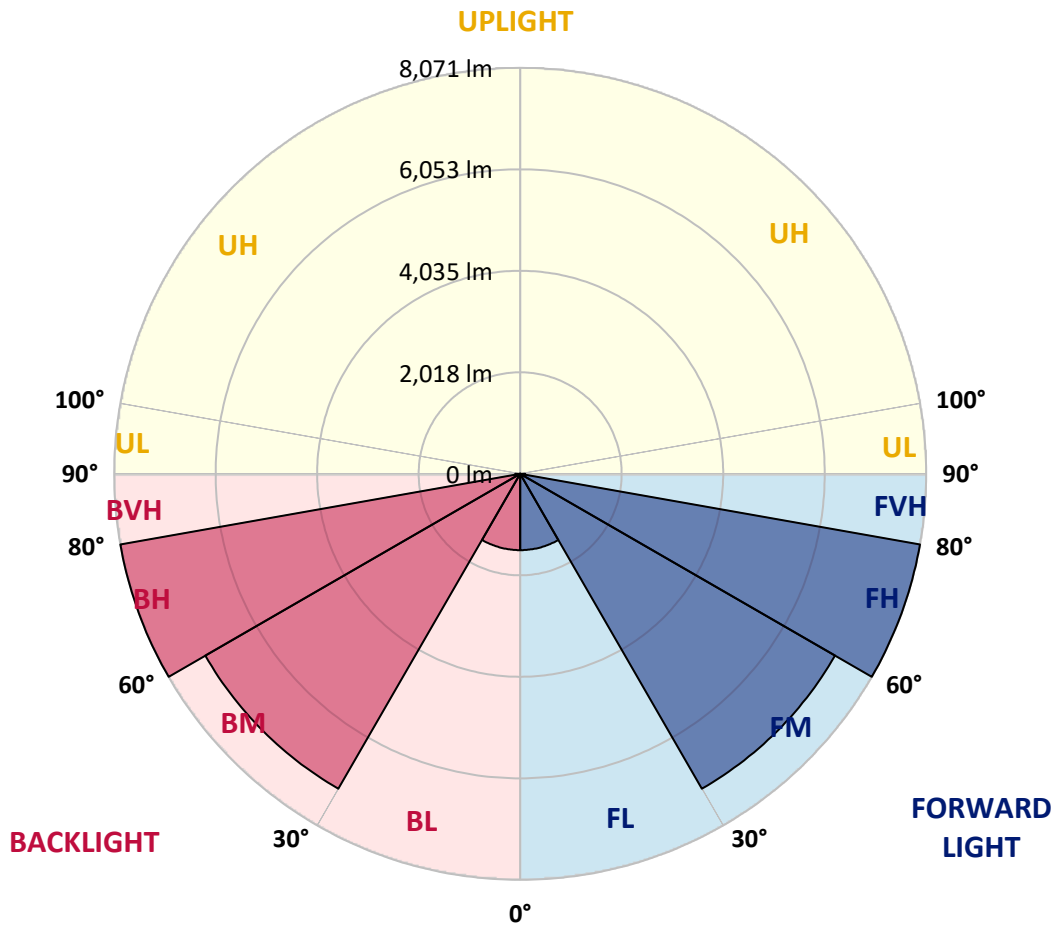
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1517.7	4.5			
FM (30°-60°)	7228.3	21.4			
FH (60°-80°)	8071.0	23.9			G4/12000
FVH (80°-90°)	97.0	0.3			G1/100
BL (0°-30°)	1517.7	4.5	B3/2500		
BM (30°-60°)	7228.3	21.4	B4/8500		
BH (60°-80°)	8071.0	23.9	B5		G4/12000
BVH (80°-90°)	97.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4
2.5°	3255.7	3259.1	3252.3	3248.9	3245.5	3240.4	3242.1	3250.6	3257.4	3255.7
5°	3282.8	3286.2	3281.1	3279.4	3272.6	3270.9	3270.9	3279.4	3284.5	3281.1
7.5°	3313.4	3318.5	3310.0	3308.3	3304.9	3301.5	3299.8	3308.3	3313.4	3313.4
10°	3342.3	3347.4	3340.6	3335.5	3332.1	3332.1	3328.7	3335.5	3344.0	3342.3
12.5°	3372.8	3376.2	3369.4	3366.0	3366.0	3371.1	3366.0	3369.4	3376.2	3372.8
15°	3410.2	3411.9	3410.2	3415.3	3423.8	3440.8	3425.5	3422.1	3425.5	3417.0
17.5°	3461.2	3464.5	3471.3	3483.2	3495.1	3525.7	3498.5	3490.0	3490.0	3473.0
20°	3524.0	3529.1	3539.3	3559.7	3574.9	3603.8	3576.6	3564.7	3559.7	3537.6
22.5°	3590.2	3598.7	3614.0	3641.2	3668.3	3695.5	3668.3	3648.0	3632.7	3603.8
25°	3666.6	3676.8	3700.6	3744.8	3782.1	3821.2	3788.9	3748.2	3717.6	3676.8
27.5°	3775.3	3787.2	3816.1	3870.4	3918.0	3952.0	3921.4	3868.7	3826.3	3777.0
30°	3928.2	3940.1	3974.0	4031.8	4064.1	4086.1	4065.8	4025.0	3974.0	3918.0
32.5°	4125.2	4140.5	4177.8	4232.2	4239.0	4242.4	4235.6	4215.2	4177.8	4109.9
35°	4374.8	4391.8	4434.3	4478.4	4471.6	4478.4	4468.2	4461.5	4434.3	4356.2
37.5°	4680.5	4700.9	4745.1	4779.0	4762.1	4753.6	4755.3	4757.0	4741.7	4655.1
40°	5035.5	5062.7	5094.9	5130.6	5101.7	5076.2	5093.2	5106.8	5093.2	5004.9
42.5°	5400.6	5439.7	5473.6	5524.6	5500.8	5468.6	5492.3	5507.6	5478.7	5383.6
45°	5806.5	5843.9	5888.0	5964.5	5947.5	5913.5	5947.5	5950.9	5901.6	5789.5
47.5°	6226.0	6265.1	6331.3	6433.2	6426.4	6389.0	6433.2	6409.4	6346.6	6212.4
50°	6623.4	6677.7	6779.6	6922.3	6935.9	6890.0	6949.5	6903.6	6798.3	6630.2
52.5°	6997.0	7054.8	7216.1	7409.7	7459.0	7399.5	7479.3	7399.5	7241.6	7025.9
55°	7389.3	7453.9	7645.8	7898.8	7997.3	7953.2	8027.9	7907.3	7683.1	7421.6
57.5°	7851.3	7890.3	8119.6	8420.2	8586.6	8596.8	8630.8	8427.0	8155.3	7858.1
60°	8352.3	8406.6	8656.3	9016.3	9279.6	9364.5	9328.8	9026.5	8710.6	8369.3
62.5°	8994.2	9053.7	9352.6	9784.0	10200.0	10410.6	10271.4	9833.2	9442.6	9033.3
65°	9525.8	9592.0	10132.1	10901.4	11658.9	12081.8	11731.9	10925.2	10222.1	9644.7
67.5°	9140.3	9221.8	10069.3	11482.3	13365.7	14627.5	13430.2	11655.5	10278.2	9495.2
70°	7988.8	8065.3	9053.7	10780.9	13846.3	16611.2	14135.0	11098.4	9085.9	8209.6
72.5°	5303.8	5550.1	6550.4	8622.3	12363.7	15371.4	12486.0	8447.4	6076.5	5291.9
75°	1759.4	1956.5	2639.2	4469.9	8281.0	11495.8	7883.5	3955.4	2090.6	1504.7
77.5°	443.3	511.2	704.8	1278.8	3303.2	6545.3	2973.7	1044.5	568.9	397.4
80°	215.7	237.8	339.7	426.3	827.1	2080.4	776.1	400.8	268.3	207.2
82.5°	118.9	120.6	191.9	241.2	307.4	538.4	319.3	234.4	154.5	125.7
85°	73.0	71.3	101.9	129.1	129.1	191.9	152.8	129.1	88.3	78.1
87.5°	28.9	28.9	37.4	40.8	35.7	49.3	39.1	42.5	34.0	32.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3240.4
3257.4
3282.8
3313.4
3342.3
3371.1
3417.0
3473.0
3537.6
3602.1
3675.1
3775.3
3918.0
4111.6
4356.2
4655.1
5004.9
5390.4
5801.4
6203.9
6626.8
7005.5
7385.9
7817.3
8314.9
8962.0
9549.6
9378.1
8092.4
5120.4
1423.2
354.9
190.2
125.7
81.5
34.0
0.0

OF REPORT)