

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: P953251

Luminaire Tested: **GALN-SB6D-840-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953251
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-SB6D-840-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 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: 61815 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

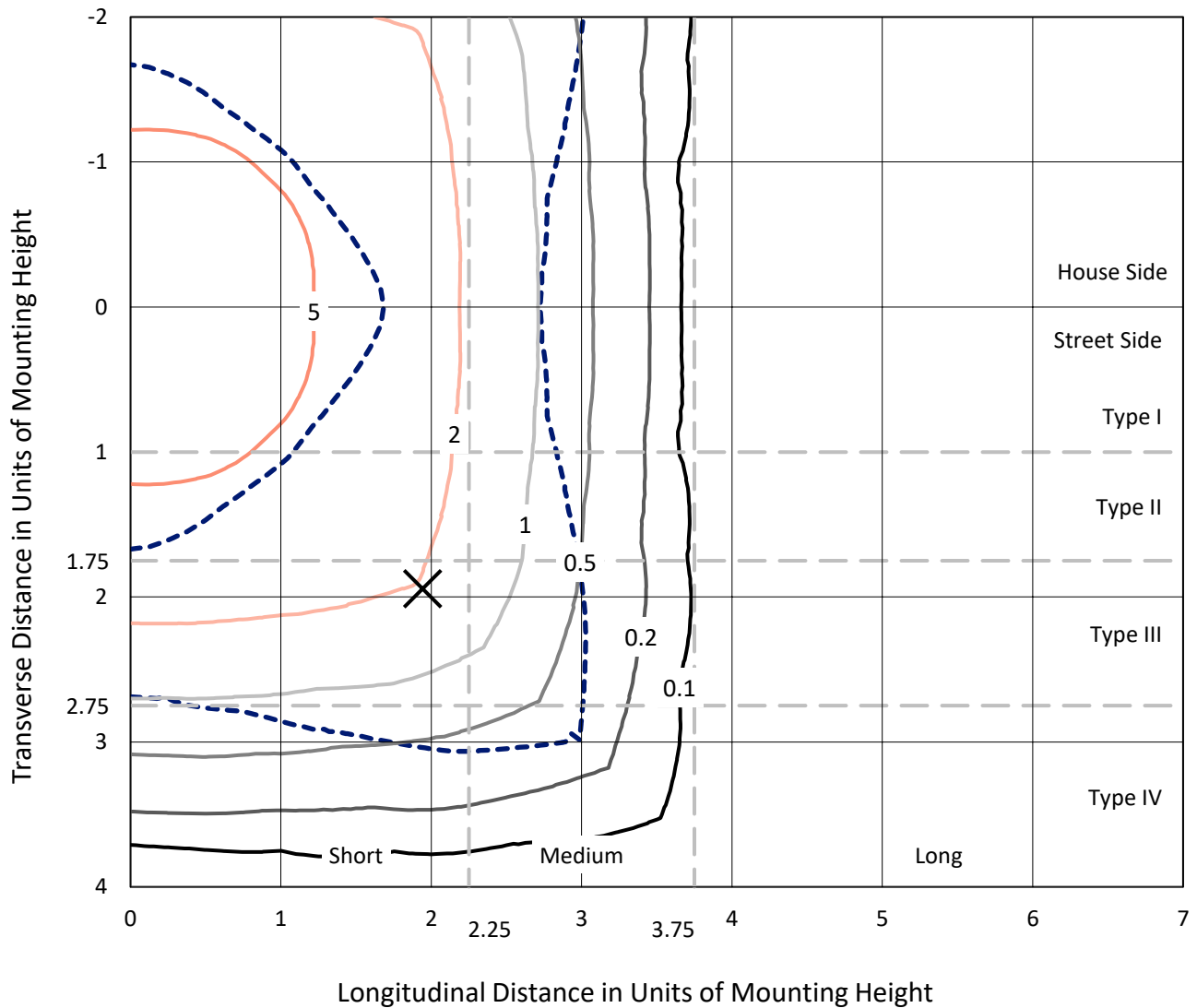
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

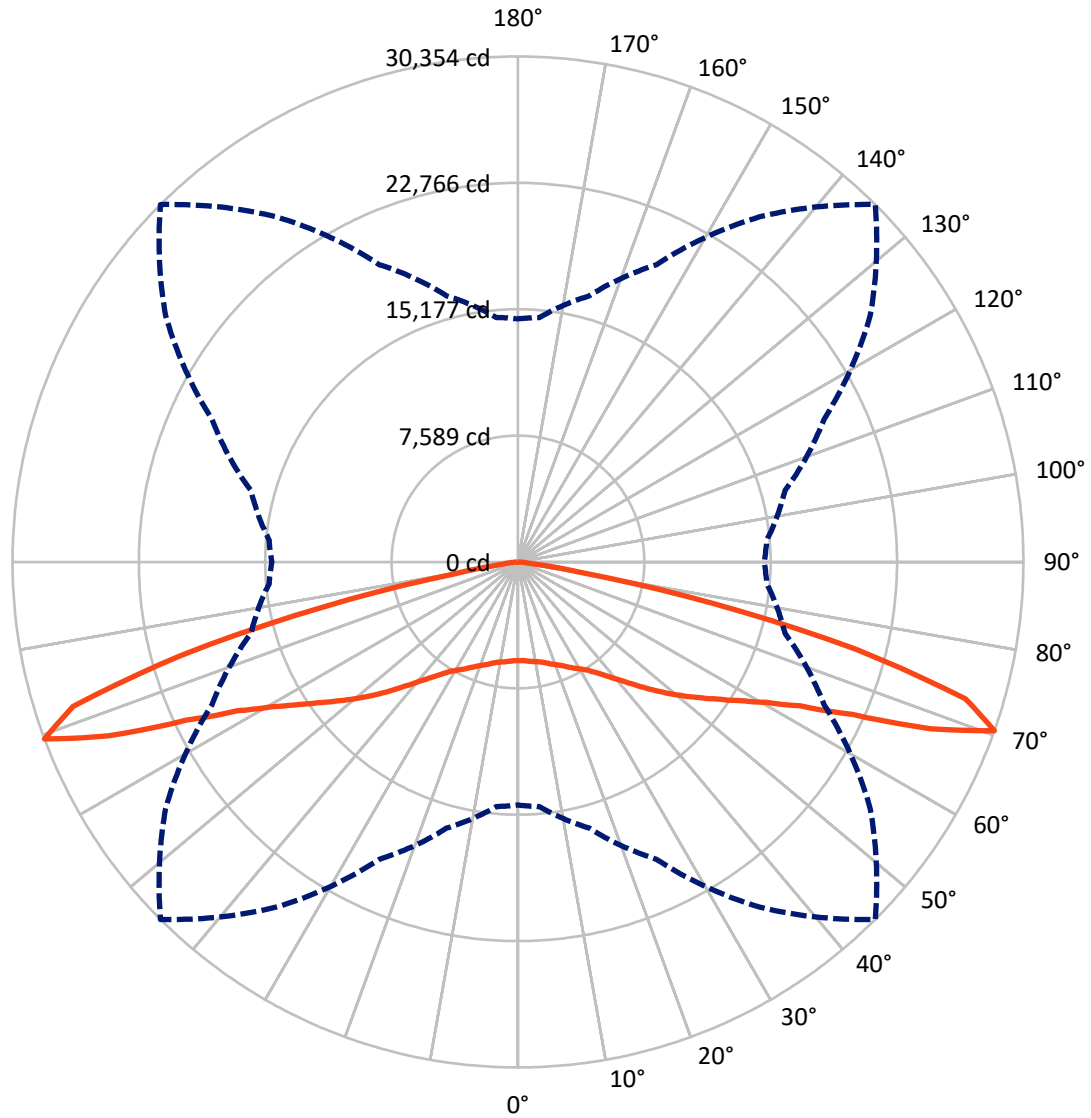
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	30907.5	0.0	30907.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30907.5	0.0	30907.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	61815.0	0.0	61815.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.2	0.9
10°-20°	1783.8	2.9
20°-30°	3187.8	5.2
30°-40°	5167.4	8.4
40°-50°	8416.9	13.6
50°-60°	12832.9	20.8
60°-70°	19091.3	30.9
70°-80°	10405.4	16.8
80°-90°	354.3	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°	61815.0	100.0
0°-180°	61815.0	100.0

Coefficient of Utilization



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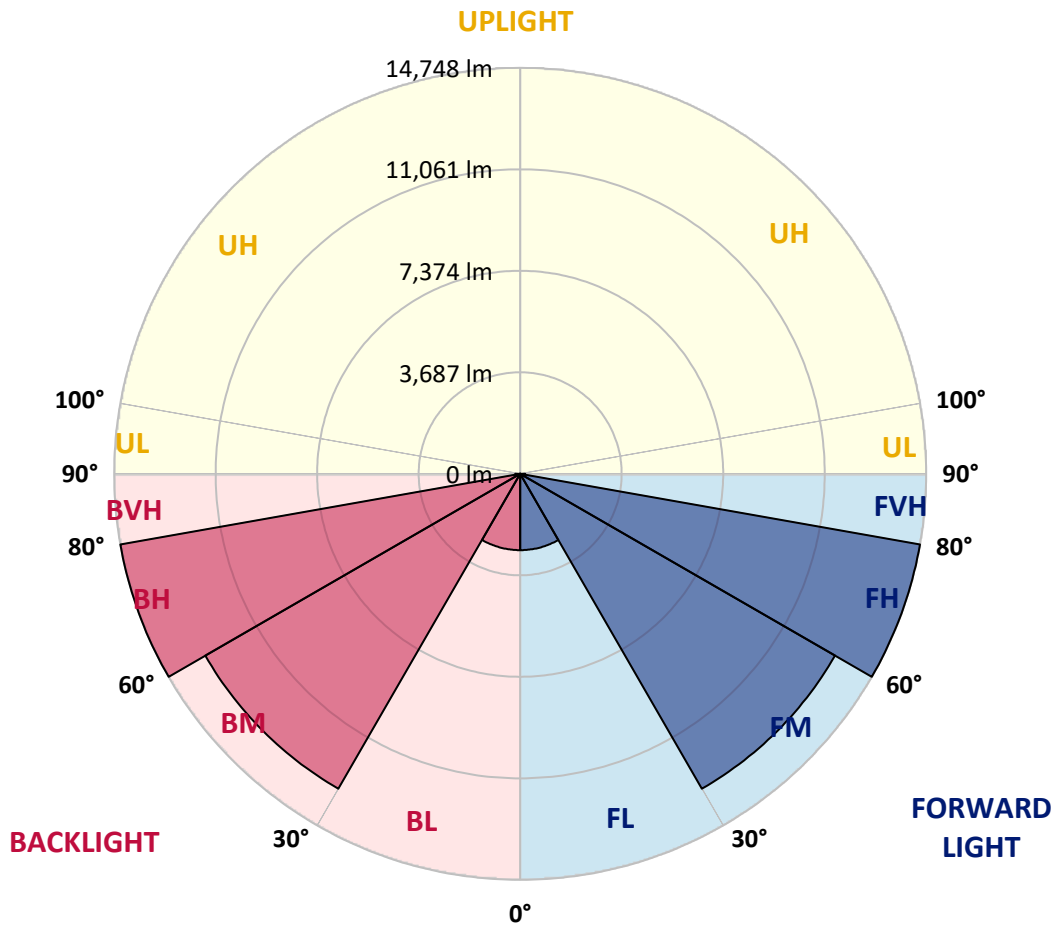
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2773.4	4.5			
FM (30°-60°)	13208.6	21.4			
FH (60°-80°)	14748.3	23.9			G5
FVH (80°-90°)	177.2	0.3			G2/225
BL (0°-30°)	2773.4	4.5	B4/5000		
BM (30°-60°)	13208.6	21.4	B5		
BH (60°-80°)	14748.3	23.9	B5		G5
BVH (80°-90°)	177.2	0.3			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5921.2	5921.2	5921.2	5921.2	5921.2	5921.2	5921.2	5921.2	5921.2	5921.2
2.5°	5949.2	5955.4	5943.0	5936.8	5930.5	5921.2	5924.3	5939.9	5952.3	5949.2
5°	5998.8	6005.0	5995.7	5992.6	5980.2	5977.1	5977.1	5992.6	6001.9	5995.7
7.5°	6054.7	6064.0	6048.5	6045.4	6039.2	6033.0	6029.9	6045.4	6054.7	6054.7
10°	6107.4	6116.7	6104.3	6095.0	6088.8	6088.8	6082.6	6095.0	6110.5	6107.4
12.5°	6163.3	6169.5	6157.1	6150.9	6150.9	6160.2	6150.9	6157.1	6169.5	6163.3
15°	6231.6	6234.7	6231.6	6240.9	6256.4	6287.4	6259.5	6253.3	6259.5	6244.0
17.5°	6324.7	6330.9	6343.3	6365.0	6386.7	6442.6	6393.0	6377.4	6377.4	6346.4
20°	6439.5	6448.8	6467.4	6504.7	6532.6	6585.4	6535.7	6514.0	6504.7	6464.3
22.5°	6560.5	6576.0	6604.0	6653.6	6703.3	6752.9	6703.3	6666.0	6638.1	6585.4
25°	6700.2	6718.8	6762.3	6842.9	6911.2	6982.6	6923.6	6849.1	6793.3	6718.8
27.5°	6898.8	6920.5	6973.3	7072.6	7159.5	7221.6	7165.7	7069.5	6991.9	6901.9
30°	7178.1	7199.8	7261.9	7367.4	7426.4	7466.7	7429.5	7355.0	7261.9	7159.5
32.5°	7538.1	7566.0	7634.3	7733.6	7746.0	7752.2	7739.8	7702.6	7634.3	7510.2
35°	7994.3	8025.3	8102.9	8183.6	8171.2	8183.6	8165.0	8152.6	8102.9	7960.2
37.5°	8552.9	8590.1	8670.8	8732.9	8701.9	8686.3	8689.4	8692.6	8664.6	8506.3
40°	9201.5	9251.2	9310.1	9375.3	9322.5	9276.0	9307.0	9331.8	9307.0	9145.6
42.5°	9868.7	9940.1	10002.2	10095.3	10051.8	9992.9	10036.3	10064.2	10011.5	9837.7
45°	10610.4	10678.7	10759.4	10899.0	10868.0	10805.9	10868.0	10874.2	10784.2	10579.4
47.5°	11377.0	11448.3	11569.4	11755.6	11743.2	11674.9	11755.6	11712.1	11597.3	11352.1
50°	12103.2	12202.5	12388.7	12649.4	12674.2	12590.4	12699.0	12615.2	12422.8	12115.6
52.5°	12785.9	12891.4	13186.2	13540.0	13630.0	13521.4	13667.3	13521.4	13232.8	12838.7
55°	13502.8	13620.7	13971.4	14433.8	14613.8	14533.1	14669.6	14449.3	14039.7	13561.7
57.5°	14346.9	14418.3	14837.2	15386.5	15690.7	15709.3	15771.3	15398.9	14902.4	14359.3
60°	15262.4	15361.7	15817.9	16475.8	16956.8	17112.0	17046.8	16494.4	15917.2	15293.4
62.5°	16435.5	16544.1	17090.3	17878.5	18638.9	19023.7	18769.2	17968.5	17254.8	16506.8
65°	17406.8	17527.9	18514.7	19920.6	21304.7	22077.4	21438.1	19964.0	18679.2	17624.1
67.5°	16702.4	16851.3	18399.9	20981.9	24423.6	26729.4	24541.5	21298.5	18781.6	17351.0
70°	14598.3	14737.9	16544.1	19700.2	25301.8	30354.1	25829.4	20280.5	16603.0	15001.7
72.5°	9691.8	10141.8	11969.7	15755.8	22592.6	28088.6	22816.0	15436.2	11103.9	9670.1
75°	3215.1	3575.1	4822.6	8168.1	15132.1	21006.7	14405.9	7227.8	3820.3	2749.6
77.5°	810.0	934.1	1287.9	2336.8	6036.1	11960.4	5434.0	1908.6	1039.6	726.2
80°	394.1	434.5	620.7	778.9	1511.3	3801.6	1418.2	732.4	490.3	378.6
82.5°	217.2	220.3	350.7	440.7	561.7	983.8	583.4	428.3	282.4	229.6
85°	133.4	130.3	186.2	235.9	235.9	350.7	279.3	235.9	161.4	142.8
87.5°	52.8	52.8	68.3	74.5	65.2	90.0	71.4	77.6	62.1	59.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5921.2
5952.3
5998.8
6054.7
6107.4
6160.2
6244.0
6346.4
6464.3
6582.3
6715.7
6898.8
7159.5
7513.3
7960.2
8506.3
9145.6
9850.1
10601.1
11336.6
12109.4
12801.4
13496.6
14284.8
15194.1
16376.5
17450.3
17136.8
14787.6
9356.7
2600.6
648.6
347.6
229.6
149.0
62.1
0.0

OF REPORT)