

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: P941790

Luminaire Tested: **GALN-SB5C-730-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38266 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

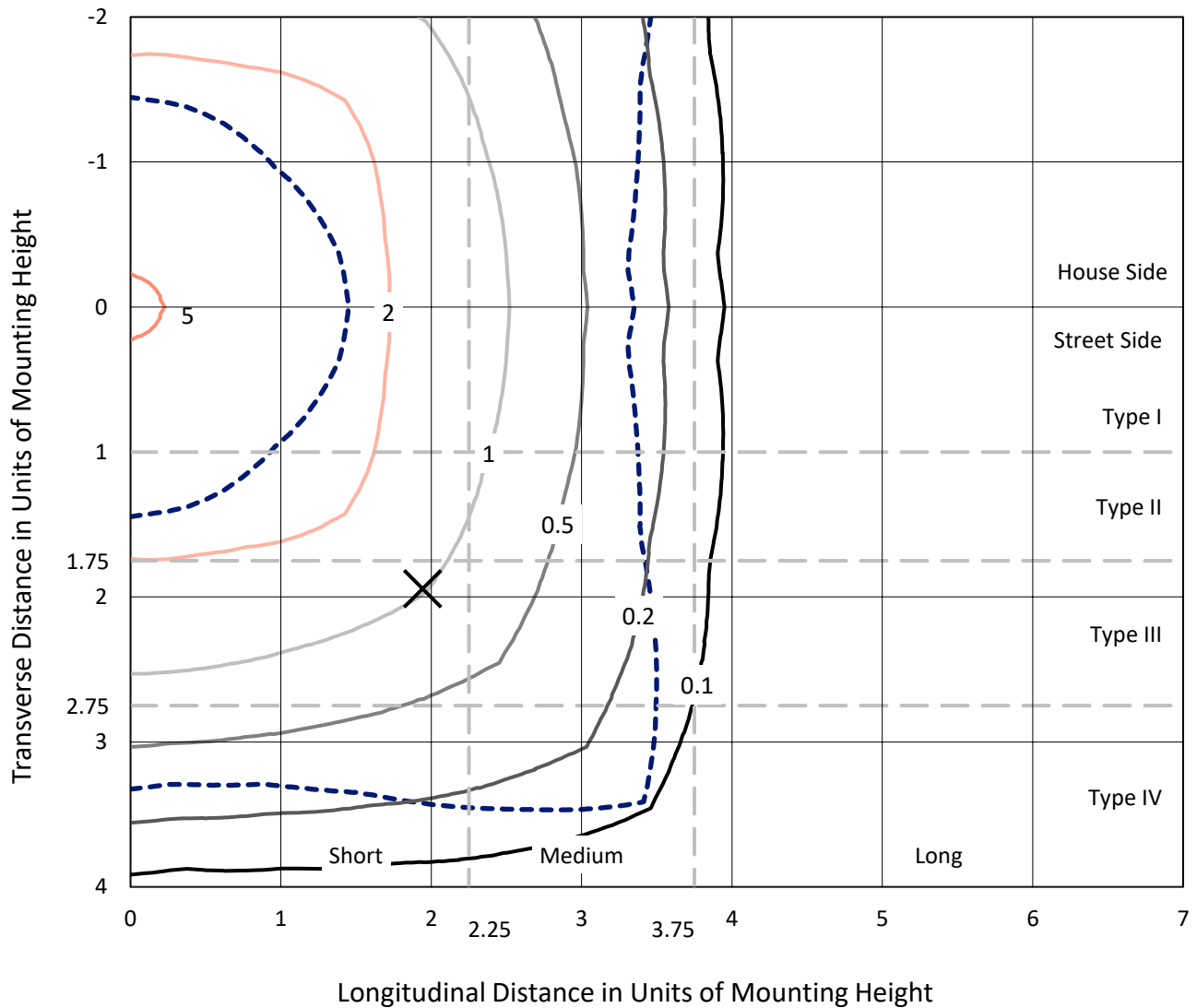
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

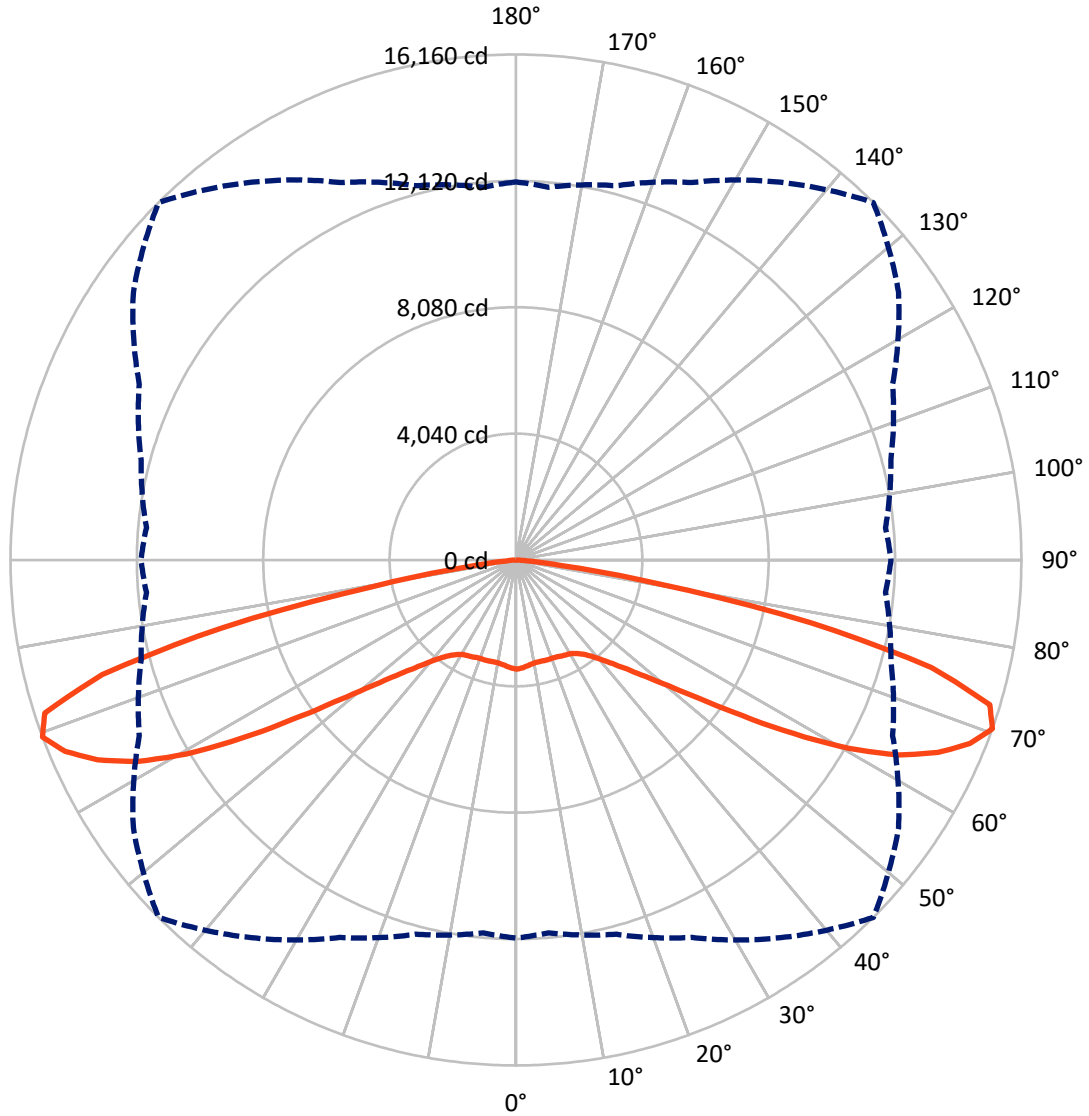
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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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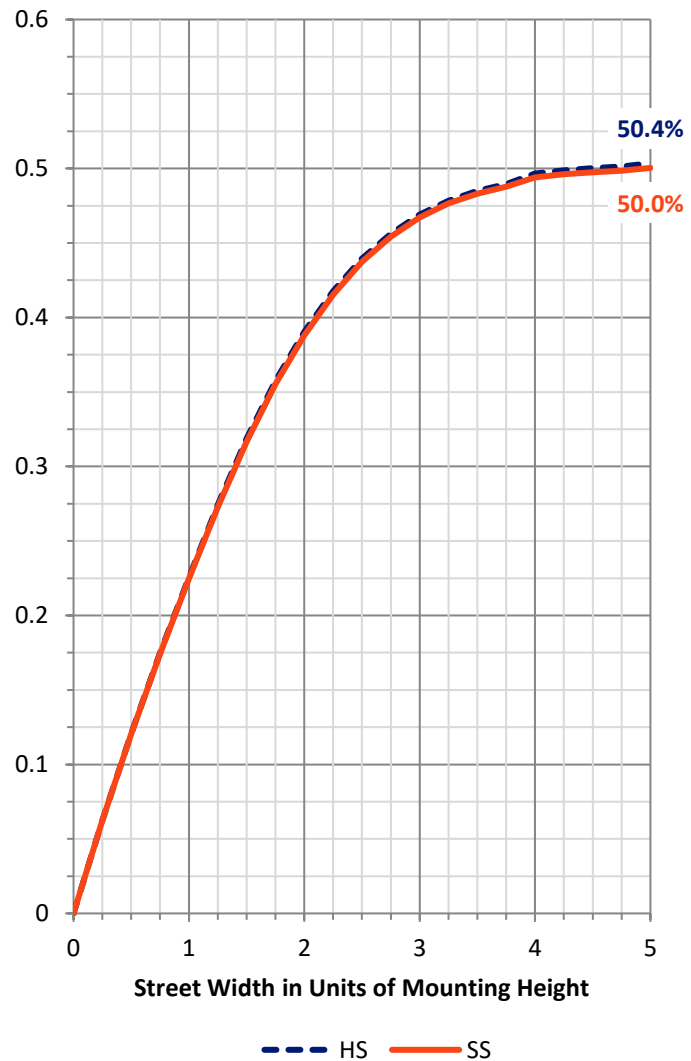
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19133.0	0.0	19133.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19133.0	0.0	19133.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38266.0	0.0	38266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.7	0.8
10°-20°	953.4	2.5
20°-30°	1586.6	4.1
30°-40°	2399.5	6.3
40°-50°	3987.4	10.4
50°-60°	7524.1	19.7
60°-70°	12704.7	33.2
70°-80°	8348.3	21.8
80°-90°	437.4	1.1
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°	38266.0	100.0
0°-180°	38266.0	100.0

Coefficient of Utilization



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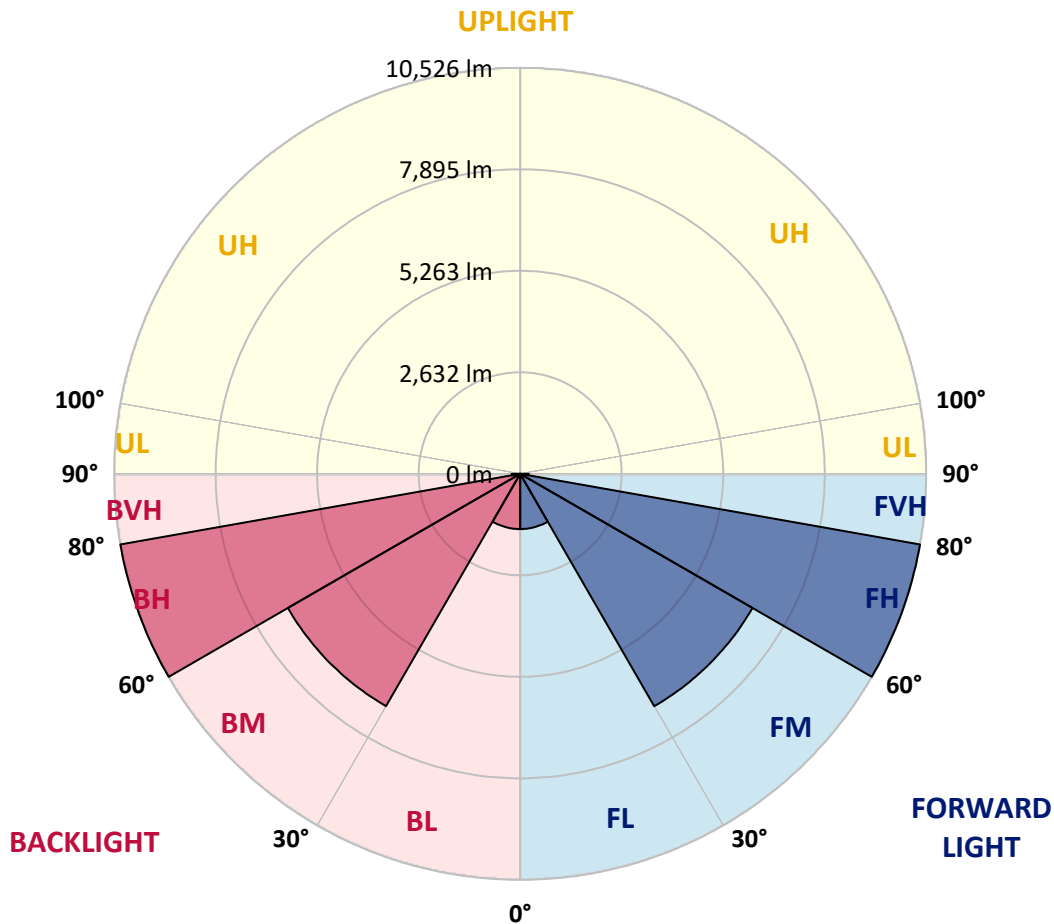
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1432.4	3.7			
FM (30°-60°)	6955.5	18.2			
FH (60°-80°)	10526.5	27.5			G4/12000
FVH (80°-90°)	218.7	0.6			G2/225
BL (0°-30°)	1432.4	3.7	B3/2500		
BM (30°-60°)	6955.5	18.2	B4/8500		
BH (60°-80°)	10526.5	27.5	B5		G4/12000
BVH (80°-90°)	218.7	0.6			G2/225
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°	90°
0°	3490.6	3490.6	3490.6	3490.6	3490.6	3490.6	3490.6	3490.6	3490.6	3490.6	3490.6
2.5°	3468.8	3478.7	3474.7	3466.8	3466.8	3460.8	3466.8	3470.7	3476.7	3480.7	3478.7
5°	3423.0	3431.0	3429.0	3423.0	3425.0	3419.0	3423.0	3429.0	3432.9	3434.9	3434.9
7.5°	3383.2	3391.2	3387.2	3377.3	3377.3	3371.3	3373.3	3379.2	3385.2	3387.2	3387.2
10°	3373.3	3381.2	3369.3	3353.4	3347.4	3339.5	3341.5	3347.4	3359.4	3365.3	3365.3
12.5°	3377.3	3383.2	3371.3	3347.4	3341.5	3333.5	3333.5	3339.5	3355.4	3363.3	3365.3
15°	3389.2	3395.2	3377.3	3351.4	3345.4	3339.5	3337.5	3345.4	3363.3	3377.3	3379.2
17.5°	3411.1	3417.0	3389.2	3353.4	3345.4	3347.4	3345.4	3351.4	3379.2	3405.1	3405.1
20°	3431.0	3434.9	3397.1	3353.4	3345.4	3347.4	3345.4	3357.4	3393.2	3429.0	3431.0
22.5°	3436.9	3440.9	3405.1	3367.3	3361.3	3363.3	3361.3	3373.3	3407.1	3442.9	3442.9
25°	3438.9	3444.9	3417.0	3387.2	3397.1	3401.1	3397.1	3399.1	3425.0	3456.8	3454.8
27.5°	3468.8	3476.7	3450.9	3425.0	3431.0	3429.0	3434.9	3440.9	3460.8	3492.6	3484.7
30°	3530.4	3536.4	3514.5	3488.6	3484.7	3470.7	3488.6	3508.5	3530.4	3558.3	3552.3
32.5°	3631.8	3643.8	3615.9	3588.1	3570.2	3562.2	3576.2	3610.0	3639.8	3669.6	3657.7
35°	3800.9	3808.9	3783.0	3731.3	3699.5	3699.5	3711.4	3755.2	3802.9	3840.7	3826.8
37.5°	4039.6	4049.5	4003.8	3942.1	3894.4	3894.4	3910.3	3956.0	4027.6	4081.4	4061.5
40°	4330.0	4343.9	4286.2	4222.6	4176.8	4168.9	4188.8	4240.5	4308.1	4375.7	4353.8
42.5°	4680.0	4695.9	4620.4	4564.7	4528.9	4528.9	4538.8	4586.5	4648.2	4731.7	4725.8
45°	5127.5	5155.4	5052.0	4996.3	4962.5	4970.4	4976.4	5018.2	5073.8	5169.3	5165.3
47.5°	5660.6	5688.4	5579.0	5521.4	5515.4	5553.2	5529.3	5559.2	5589.0	5698.4	5666.6
50°	6265.2	6313.0	6237.4	6233.4	6245.3	6315.0	6259.3	6275.2	6241.4	6311.0	6269.2
52.5°	7005.1	7074.7	7060.8	7084.7	7217.9	7361.2	7233.9	7178.2	7050.9	7072.8	6999.2
55°	7902.1	8007.6	8027.5	8170.7	8473.0	8765.4	8494.9	8270.1	7999.6	7949.9	7872.3
57.5°	8922.5	9006.0	9101.5	9393.9	9958.7	10477.9	9958.7	9461.5	9035.9	8934.4	8862.8
60°	10020.4	10123.8	10215.3	10646.9	11486.3	12216.2	11470.3	10680.7	10117.9	9980.6	9861.3
62.5°	11199.8	11333.1	11396.8	11876.1	12854.7	13725.8	12868.6	11911.9	11287.4	11140.2	11020.8
65°	12331.6	12441.0	12512.6	13023.7	13958.5	14831.7	14022.2	13079.4	12437.0	12244.1	12148.6
67.5°	12858.6	12918.3	13093.3	13672.1	14658.7	15655.1	14825.7	13733.8	13015.8	12677.6	12681.6
70°	12086.9	11965.6	12387.3	13314.1	14742.2	16160.3	14933.1	13286.3	12407.1	11858.2	11989.5
72.5°	9340.2	9131.3	9863.3	11448.5	13787.5	15838.1	13883.0	11538.0	10318.7	9204.9	9481.4
75°	5081.8	4845.1	5855.5	7860.4	10995.0	13727.8	11247.6	8085.1	6519.8	5044.0	5372.2
77.5°	1434.0	1344.5	2160.0	3802.9	6613.3	9638.5	6867.9	3886.4	2561.8	1519.6	1688.6
80°	439.6	425.6	576.8	1145.6	2808.4	4616.4	2699.0	1159.6	733.9	463.4	489.3
82.5°	260.6	238.7	286.4	417.7	716.0	1450.0	696.1	435.6	350.1	234.7	254.6
85°	149.2	139.2	169.1	202.9	240.7	308.3	200.9	206.9	187.0	125.3	131.3
87.5°	61.7	55.7	65.6	63.6	55.7	71.6	53.7	63.6	75.6	49.7	45.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)