

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: P948443

Luminaire Tested: **GALN-SB3C-730-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23546 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 149.1
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

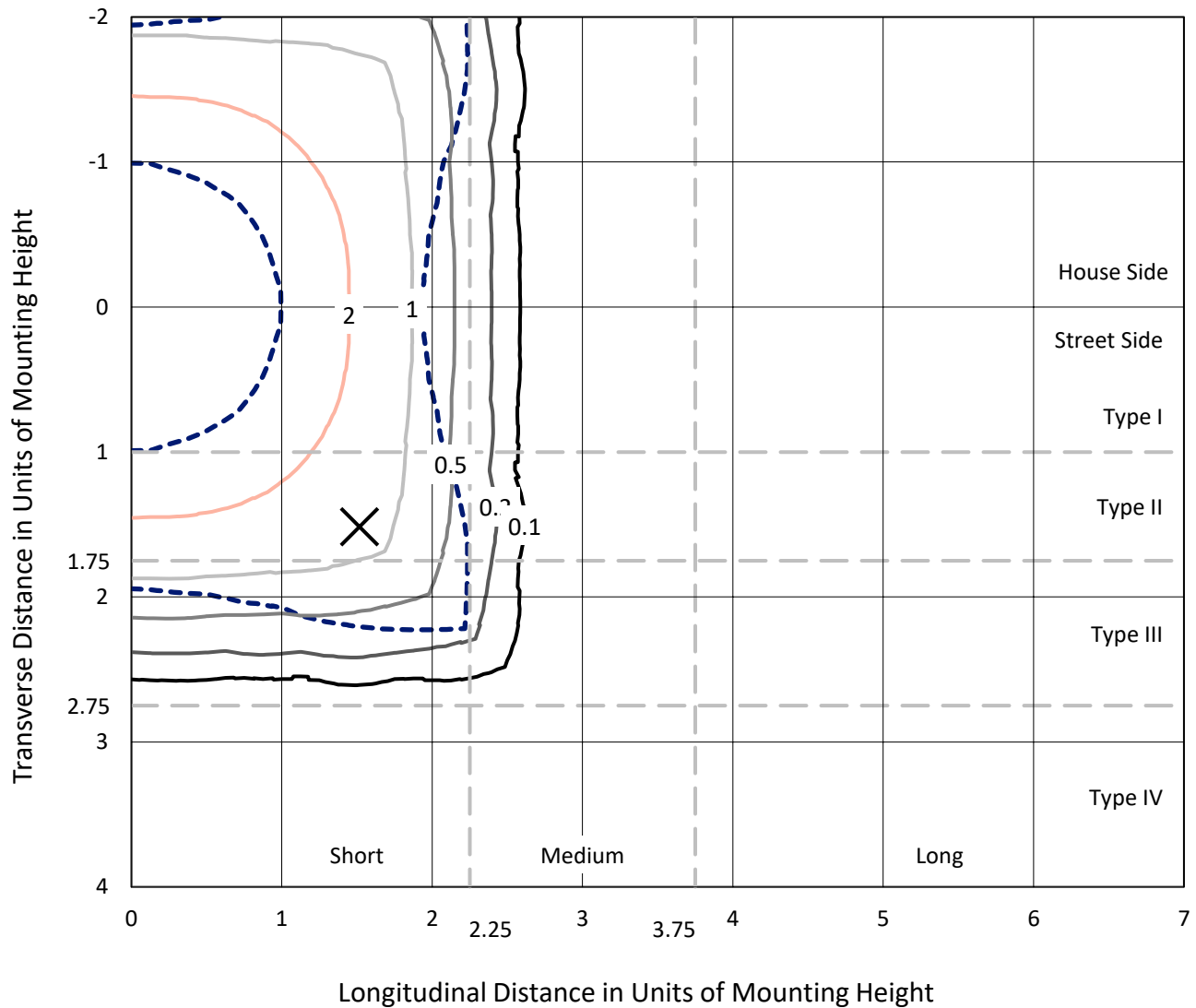


REPORT NUMBER: P948443

CATALOG NUMBER: GALN-SB3C-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

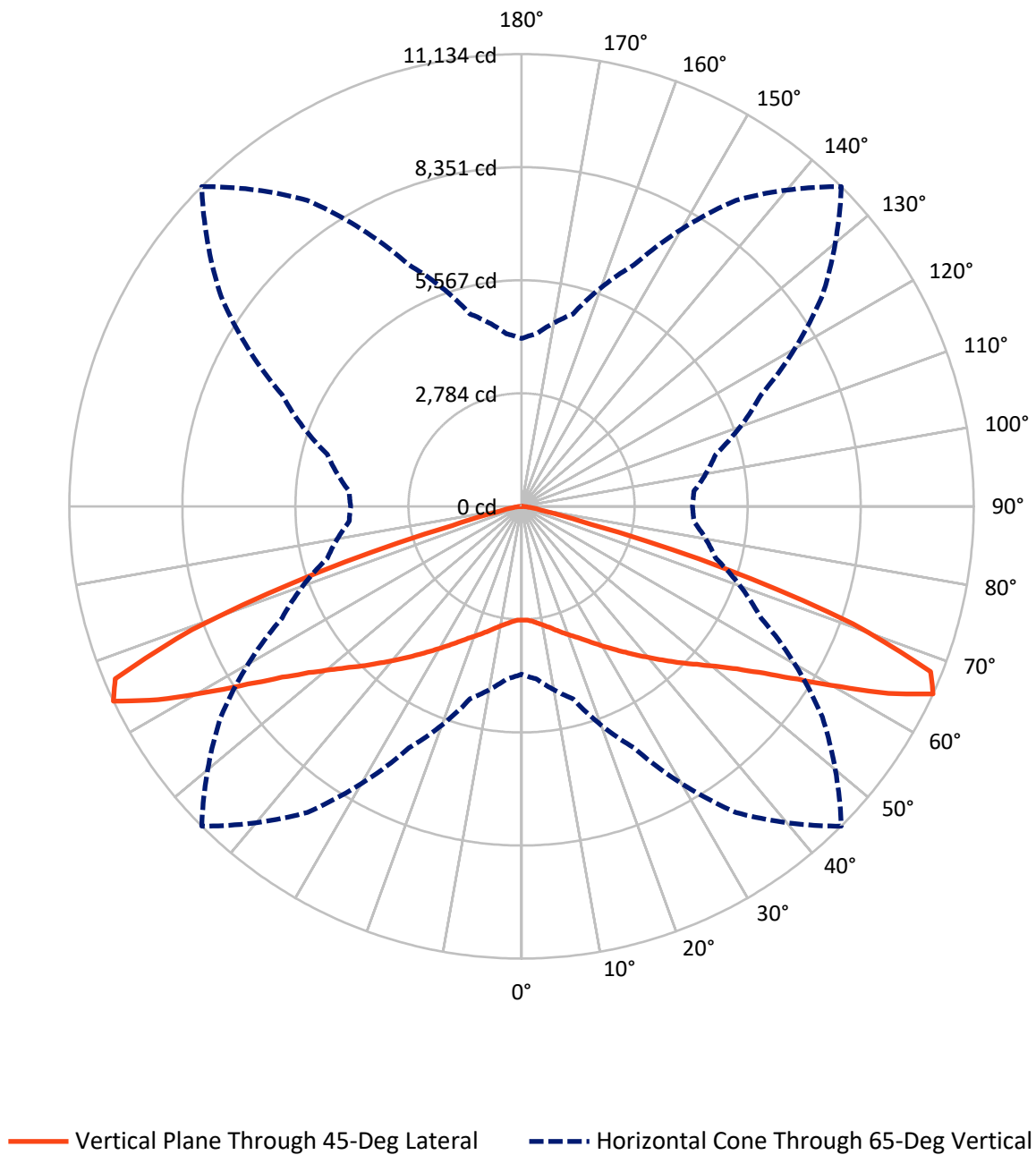


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type V - Short - N/A

REPORT NUMBER: P948443

CATALOG NUMBER: GALN-SB3C-730-U-5NQ

Luminous Intensity Polar Plot



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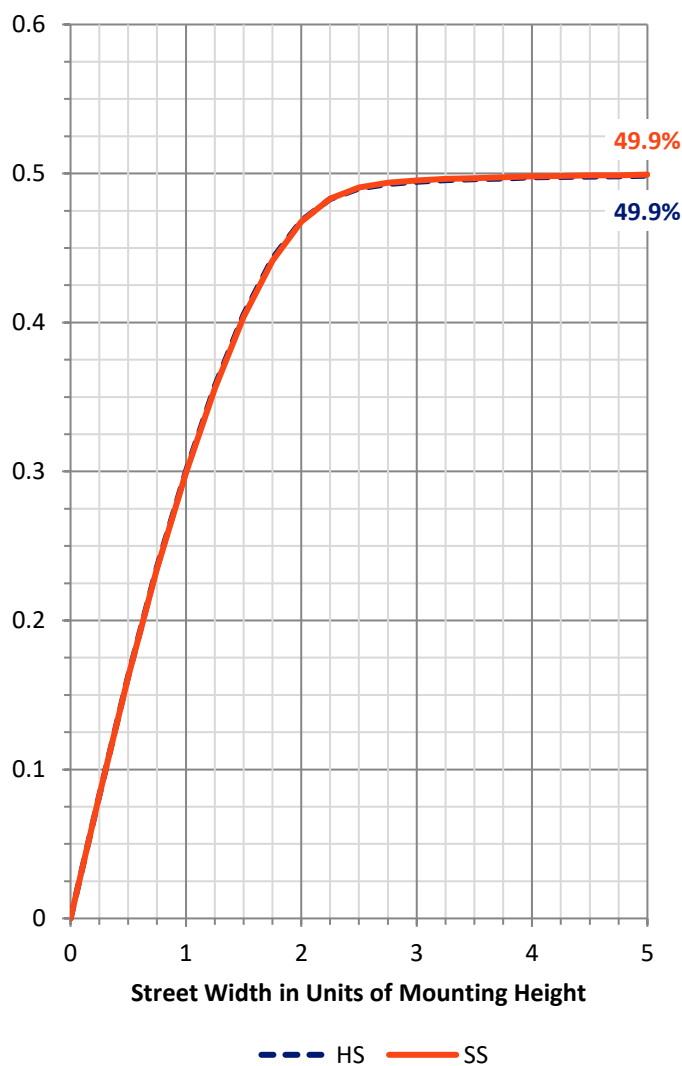
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11773.0	0.0	11773.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11773.0	0.0	11773.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23546.0	0.0	23546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	1.2
10°-20°	902.4	3.8
20°-30°	1703.8	7.2
30°-40°	2790.0	11.8
40°-50°	4325.9	18.4
50°-60°	6390.3	27.1
60°-70°	6082.9	25.8
70°-80°	981.6	4.2
80°-90°	92.5	0.4
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°	23546.0	100.0
0°-180°	23546.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948443

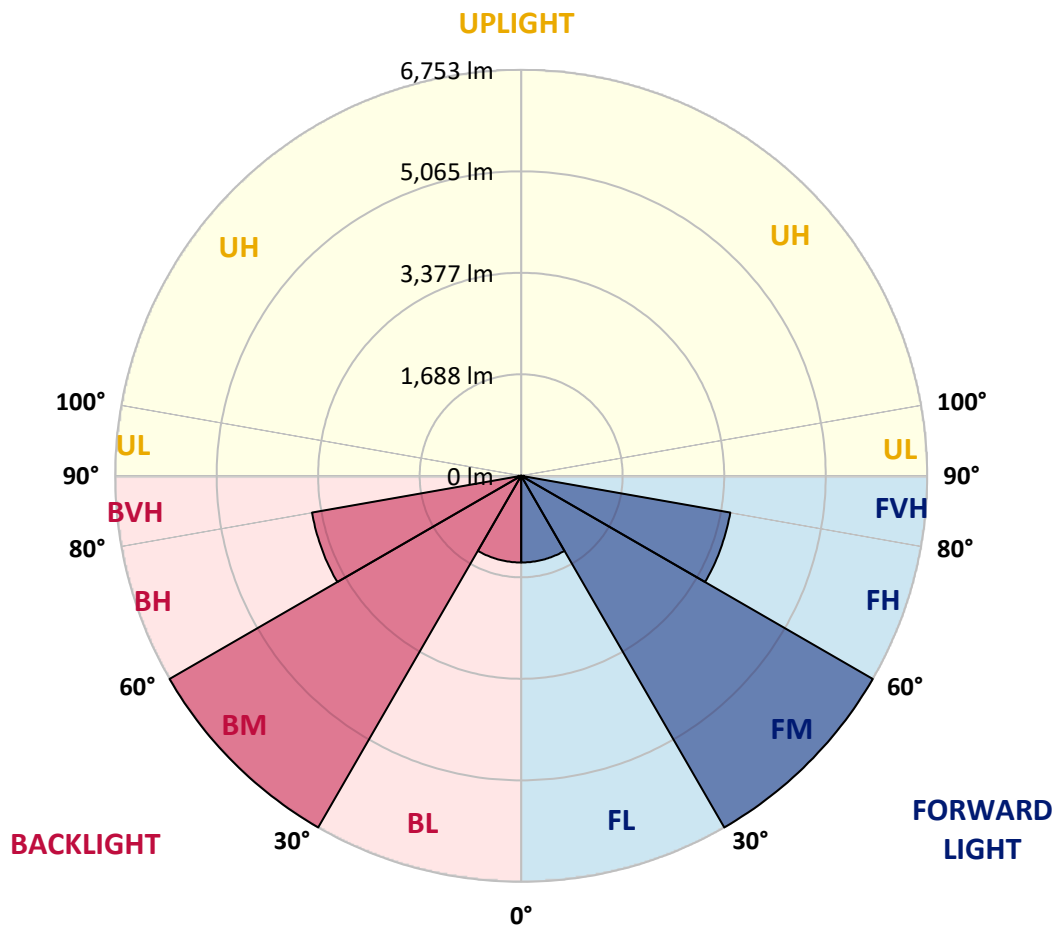
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1441.4	6.1			
FM	(30°-60°)	6753.1	28.7			
FH	(60°-80°)	3532.3	15.0			G2/5000
FVH	(80°-90°)	46.3	0.2			G1/100
BL	(0°-30°)	1441.4	6.1	B3/2500		
BM	(30°-60°)	6753.1	28.7	B4/8500		
BH	(60°-80°)	3532.3	15.0	B4/5000		G2/5000
BVH	(80°-90°)	46.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2802.2	2802.2	2802.2	2802.2	2802.2	2802.2	2802.2	2802.2	2802.2	2802.2	2802.2
2.5°	2821.1	2811.7	2818.7	2812.8	2808.1	2803.4	2805.8	2814.0	2817.6	2818.7	2818.7
5°	2858.9	2850.6	2854.2	2854.2	2845.9	2843.6	2844.7	2850.6	2857.7	2857.7	2857.7
7.5°	2920.3	2912.1	2920.3	2915.6	2908.5	2906.2	2905.0	2909.7	2920.3	2920.3	2916.8
10°	2994.8	2985.3	2990.0	2987.7	2979.4	2975.9	2974.7	2981.8	2991.2	2990.0	2987.7
12.5°	3076.3	3065.7	3071.6	3064.5	3062.1	3058.6	3058.6	3057.4	3063.3	3058.6	3060.9
15°	3167.3	3160.2	3162.5	3157.8	3161.3	3159.0	3149.5	3144.8	3147.2	3140.1	3141.3
17.5°	3274.8	3258.2	3266.5	3264.1	3264.1	3268.9	3253.5	3247.6	3252.3	3245.2	3251.1
20°	3398.8	3382.3	3385.8	3381.1	3375.2	3379.9	3361.0	3365.7	3369.3	3364.5	3375.2
22.5°	3534.7	3513.4	3512.2	3514.6	3501.6	3502.8	3489.8	3501.6	3508.7	3495.7	3508.7
25°	3674.1	3651.6	3667.0	3661.1	3644.5	3648.1	3638.6	3650.4	3656.3	3639.8	3658.7
27.5°	3821.7	3806.4	3820.6	3824.1	3804.0	3818.2	3804.0	3814.6	3820.6	3795.7	3814.6
30°	3994.2	3978.9	3991.8	4001.3	3977.7	4000.1	3988.3	3995.4	3996.6	3967.0	3984.8
32.5°	4182.0	4158.4	4191.5	4196.2	4170.2	4197.4	4182.0	4191.5	4197.4	4157.2	4184.4
35°	4411.2	4381.7	4419.5	4413.6	4391.2	4413.6	4399.4	4413.6	4427.8	4379.3	4408.9
37.5°	4658.1	4627.4	4667.6	4657.0	4635.7	4651.1	4642.8	4652.2	4674.7	4622.7	4654.6
40°	4929.9	4892.1	4946.4	4927.5	4907.4	4905.0	4909.8	4915.7	4945.2	4887.3	4906.2
42.5°	5220.5	5180.3	5261.8	5232.3	5203.9	5185.0	5200.4	5212.2	5240.6	5175.6	5209.8
45°	5552.4	5506.4	5612.7	5577.2	5532.4	5493.4	5518.2	5535.9	5577.2	5499.3	5539.4
47.5°	5918.7	5866.7	5980.1	5969.5	5896.2	5811.2	5867.9	5918.7	5949.4	5854.9	5886.8
50°	6276.6	6236.5	6385.3	6398.3	6308.5	6189.2	6268.3	6345.1	6353.4	6229.4	6244.7
52.5°	6612.1	6572.0	6788.2	6869.7	6789.3	6647.6	6731.4	6809.4	6746.8	6586.1	6590.9
55°	6880.3	6847.2	7122.5	7332.8	7359.9	7243.0	7292.6	7290.2	7084.7	6837.8	6846.0
57.5°	6945.3	6940.5	7287.9	7733.2	8016.8	8031.0	7932.9	7682.4	7239.4	6907.5	6886.2
60°	6649.9	6679.5	7156.7	7942.4	8698.4	9012.7	8588.6	7873.8	7063.4	6602.7	6548.3
62.5°	5766.3	5844.2	6419.6	7687.2	9248.9	10142.1	9114.3	7583.2	6340.4	5739.1	5703.7
65°	4132.4	4268.3	4903.9	6560.1	9199.3	11134.4	9038.7	6507.0	4951.1	4257.7	4206.9
67.5°	1874.8	2013.1	2552.9	4491.6	7996.7	10865.1	7977.8	4538.8	2680.5	2020.1	1990.6
70°	679.3	702.9	876.6	1798.0	5110.6	8657.1	5329.2	1811.0	932.1	749.0	739.5
72.5°	411.1	414.7	451.3	643.8	1775.6	5255.9	1851.2	665.1	460.7	408.8	415.8
75°	261.1	258.7	321.3	393.4	629.7	1773.2	660.4	393.4	320.2	291.8	294.2
77.5°	187.8	193.7	230.4	294.2	396.9	601.3	389.9	281.2	230.4	189.0	192.6
80°	140.6	144.1	167.8	229.2	278.8	374.5	248.1	207.9	173.7	118.1	121.7
82.5°	101.6	101.6	109.9	166.6	170.1	202.0	134.7	146.5	114.6	83.9	83.9
85°	60.2	59.1	68.5	99.2	88.6	74.4	61.4	89.8	72.1	52.0	50.8
87.5°	21.3	22.4	21.3	28.4	23.6	20.1	18.9	24.8	20.1	17.7	16.5
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)