

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: P952370

Luminaire Tested: **GALN-SB6B-730-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952370
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-SB6B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35782 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 220.4
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

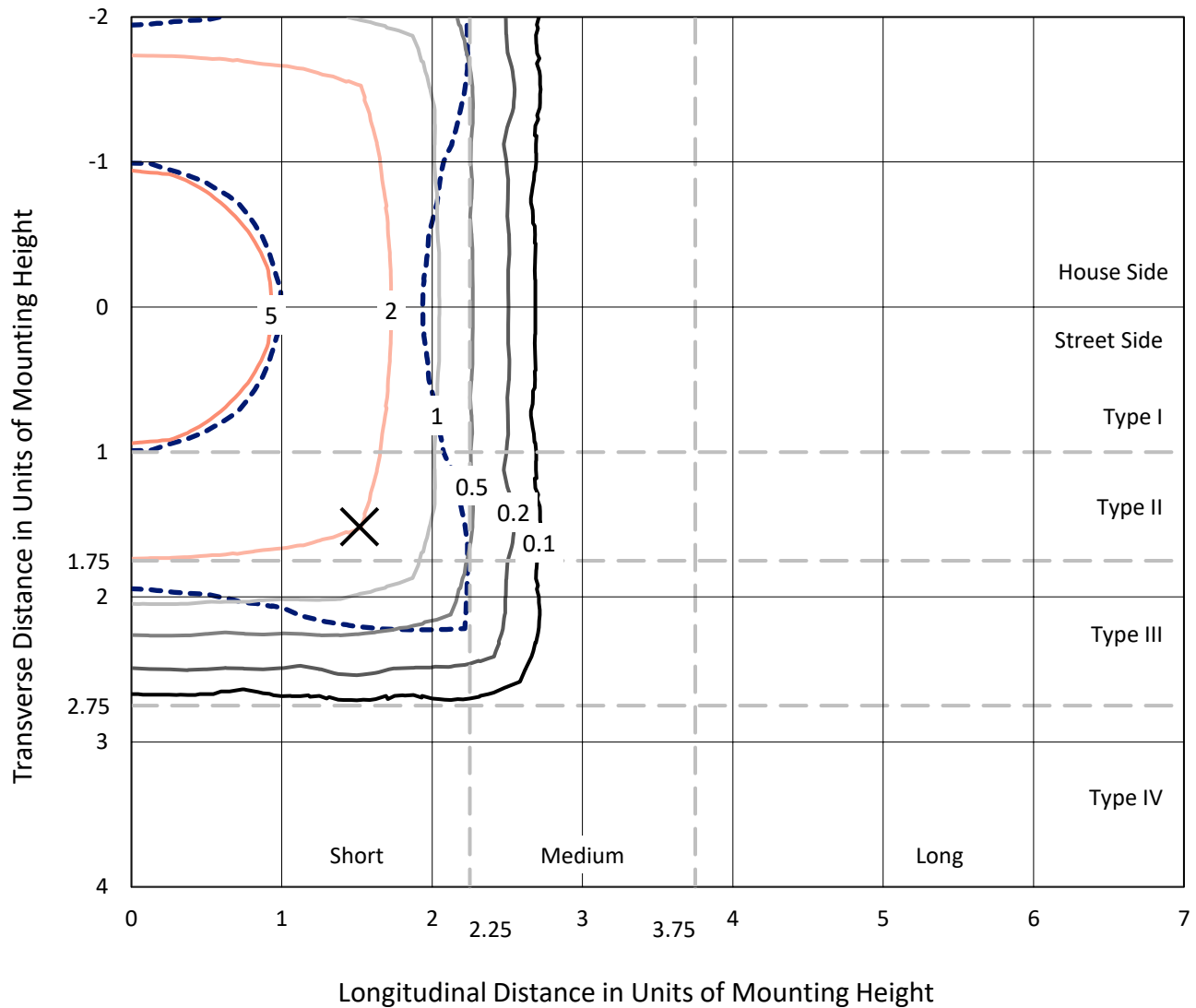


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

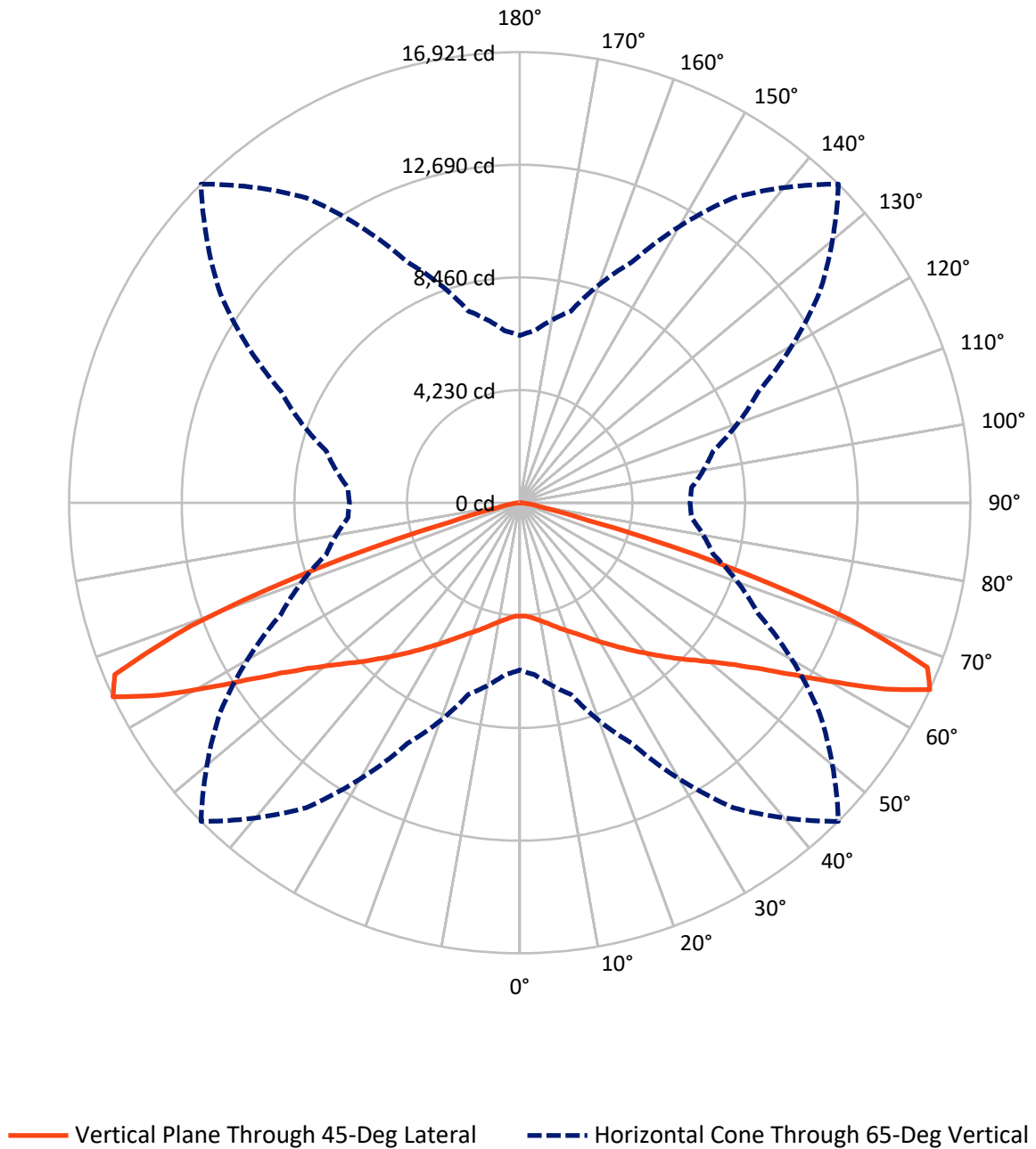


Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17891.0	0.0	17891.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17891.0	0.0	17891.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35782.0	0.0	35782.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.3	1.2
10°-20°	1371.4	3.8
20°-30°	2589.3	7.2
30°-40°	4239.8	11.8
40°-50°	6573.9	18.4
50°-60°	9711.1	27.1
60°-70°	9244.0	25.8
70°-80°	1491.6	4.2
80°-90°	140.6	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°	35782.0	100.0
0°-180°	35782.0	100.0

Coefficient of Utilization



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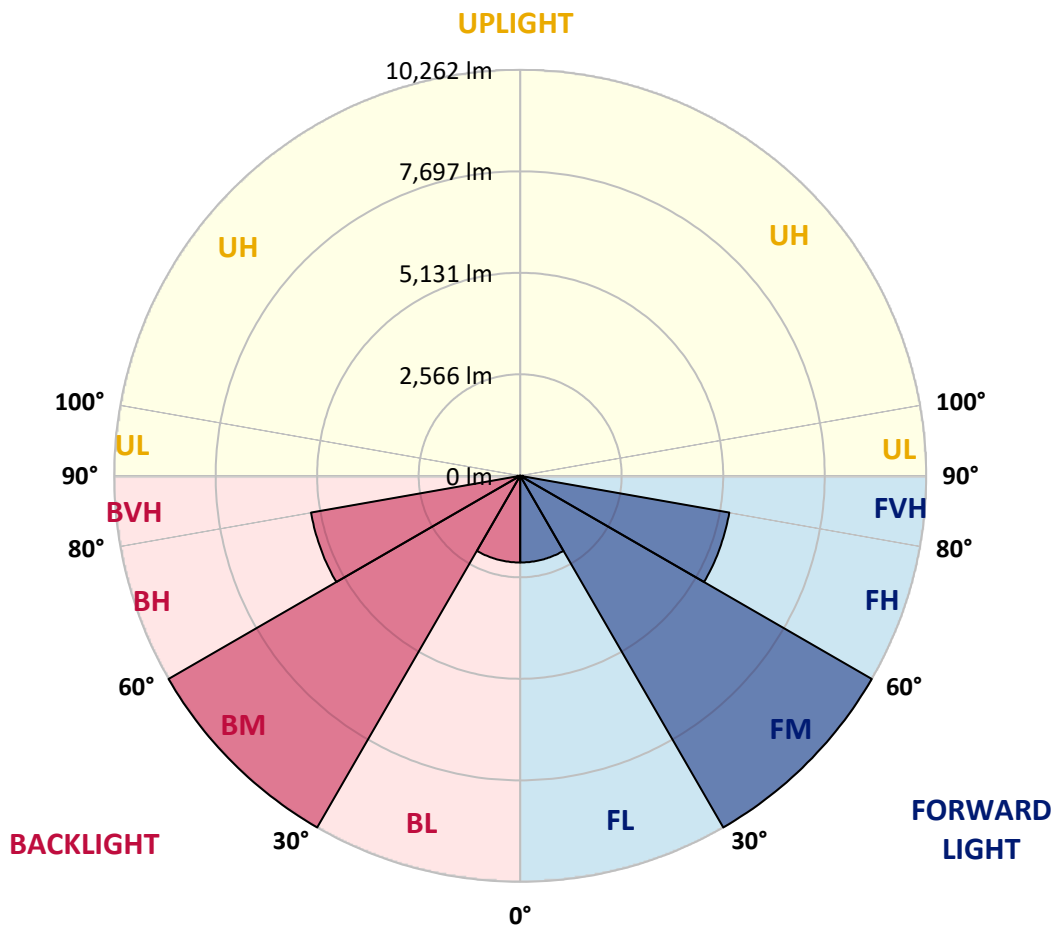
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2190.4	6.1			
FM	(30°-60°)	10262.4	28.7			
FH	(60°-80°)	5367.8	15.0			G3/7500
FVH	(80°-90°)	70.3	0.2			G1/100
BL	(0°-30°)	2190.4	6.1	B3/2500		
BM	(30°-60°)	10262.4	28.7	B5		
BH	(60°-80°)	5367.8	15.0	B5		G3/7500
BVH	(80°-90°)	70.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4258.4	4258.4	4258.4	4258.4	4258.4	4258.4	4258.4	4258.4	4258.4	4258.4	4258.4
2.5°	4287.1	4272.8	4283.5	4274.6	4267.4	4260.2	4263.8	4276.4	4281.8	4283.5	4283.5
5°	4344.6	4332.0	4337.4	4337.4	4324.8	4321.3	4323.0	4332.0	4342.8	4342.8	4342.8
7.5°	4437.9	4425.4	4437.9	4430.8	4420.0	4416.4	4414.6	4421.8	4437.9	4437.9	4432.6
10°	4551.0	4536.7	4543.9	4540.3	4527.7	4522.3	4520.5	4531.3	4545.7	4543.9	4540.3
12.5°	4674.9	4658.8	4667.7	4657.0	4653.4	4648.0	4648.0	4646.2	4655.2	4648.0	4651.6
15°	4813.2	4802.4	4806.0	4798.8	4804.2	4800.6	4786.2	4779.0	4782.6	4771.9	4773.7
17.5°	4976.5	4951.4	4964.0	4960.4	4960.4	4967.6	4944.2	4935.2	4942.4	4931.6	4940.6
20°	5165.0	5139.9	5145.3	5138.1	5129.1	5136.3	5107.6	5114.8	5120.2	5113.0	5129.1
22.5°	5371.5	5339.2	5337.4	5341.0	5321.2	5323.0	5303.3	5321.2	5332.0	5312.2	5332.0
25°	5583.3	5549.2	5572.6	5563.6	5538.5	5543.8	5529.5	5547.4	5556.4	5531.3	5560.0
27.5°	5807.7	5784.4	5806.0	5811.3	5780.8	5802.4	5780.8	5797.0	5806.0	5768.3	5797.0
30°	6069.9	6046.5	6066.3	6080.6	6044.7	6078.8	6060.9	6071.7	6073.4	6028.6	6055.5
32.5°	6355.3	6319.4	6369.7	6376.9	6337.4	6378.6	6355.3	6369.7	6378.6	6317.6	6358.9
35°	6703.6	6658.7	6716.2	6707.2	6673.1	6707.2	6685.6	6707.2	6728.7	6655.1	6700.0
37.5°	7078.8	7032.1	7093.2	7077.0	7044.7	7068.0	7055.5	7069.8	7103.9	7024.9	7073.4
40°	7491.7	7434.3	7516.9	7488.1	7457.6	7454.0	7461.2	7470.2	7515.1	7427.1	7455.8
42.5°	7933.4	7872.3	7996.2	7951.3	7908.2	7879.5	7902.8	7920.8	7963.9	7865.1	7917.2
45°	8437.8	8367.8	8529.4	8475.5	8407.3	8348.1	8385.8	8412.7	8475.5	8357.1	8418.1
47.5°	8994.4	8915.4	9087.7	9071.6	8960.3	8831.0	8917.2	8994.4	9041.1	8897.4	8945.9
50°	9538.3	9477.3	9703.5	9723.3	9586.8	9405.5	9525.8	9642.5	9655.0	9466.5	9489.9
52.5°	10048.2	9987.2	10315.7	10439.6	10317.5	10102.1	10229.5	10348.0	10252.9	10008.7	10015.9
55°	10455.7	10405.5	10823.8	11143.3	11184.6	11006.9	11082.3	11078.7	10766.3	10391.1	10403.7
57.5°	10554.5	10547.3	11075.1	11751.9	12182.8	12204.3	12055.3	11674.7	11001.5	10497.0	10464.7
60°	10105.7	10150.5	10875.8	12069.7	13218.7	13696.2	13051.7	11965.6	10734.0	10033.8	9951.3
62.5°	8762.8	8881.3	9755.6	11681.9	14055.3	15412.5	13850.6	11523.9	9635.3	8721.5	8667.6
65°	6279.9	6486.4	7452.2	9969.2	13979.9	16920.6	13735.7	9888.4	7524.0	6470.2	6393.0
67.5°	2849.1	3059.2	3879.6	6825.7	12152.3	16511.2	12123.6	6897.5	4073.5	3069.9	3025.1
70°	1032.3	1068.2	1332.1	2732.4	7766.4	13155.8	8098.5	2752.2	1416.5	1138.2	1123.8
72.5°	624.8	630.1	685.8	978.4	2698.3	7987.2	2813.2	1010.7	700.2	621.2	631.9
75°	396.8	393.2	488.3	597.8	956.9	2694.7	1003.6	597.8	486.5	443.4	447.0
77.5°	285.5	294.4	350.1	447.0	603.2	913.8	592.4	427.3	350.1	287.2	292.6
80°	213.6	219.0	254.9	348.3	423.7	569.1	377.0	316.0	263.9	179.5	184.9
82.5°	154.4	154.4	167.0	253.1	258.5	307.0	204.7	222.6	174.1	127.5	127.5
85°	91.6	89.8	104.1	150.8	134.6	113.1	93.4	136.4	109.5	79.0	77.2
87.5°	32.3	34.1	32.3	43.1	35.9	30.5	28.7	37.7	30.5	26.9	25.1
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)