

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: P529630

Luminaire Tested: **GALN-SA4D-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529630  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4D-740-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25963 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

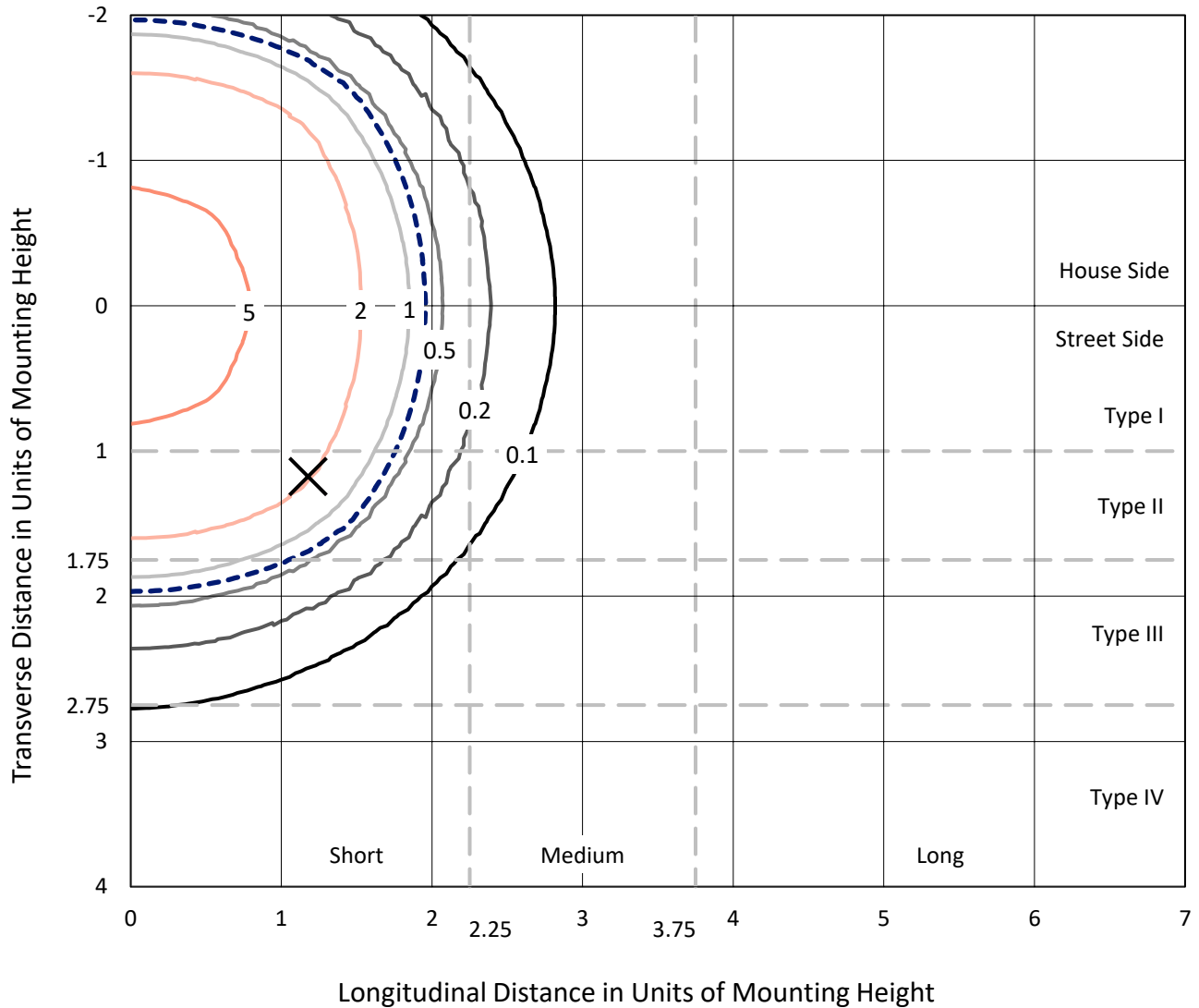
Input Watts (W): 245  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

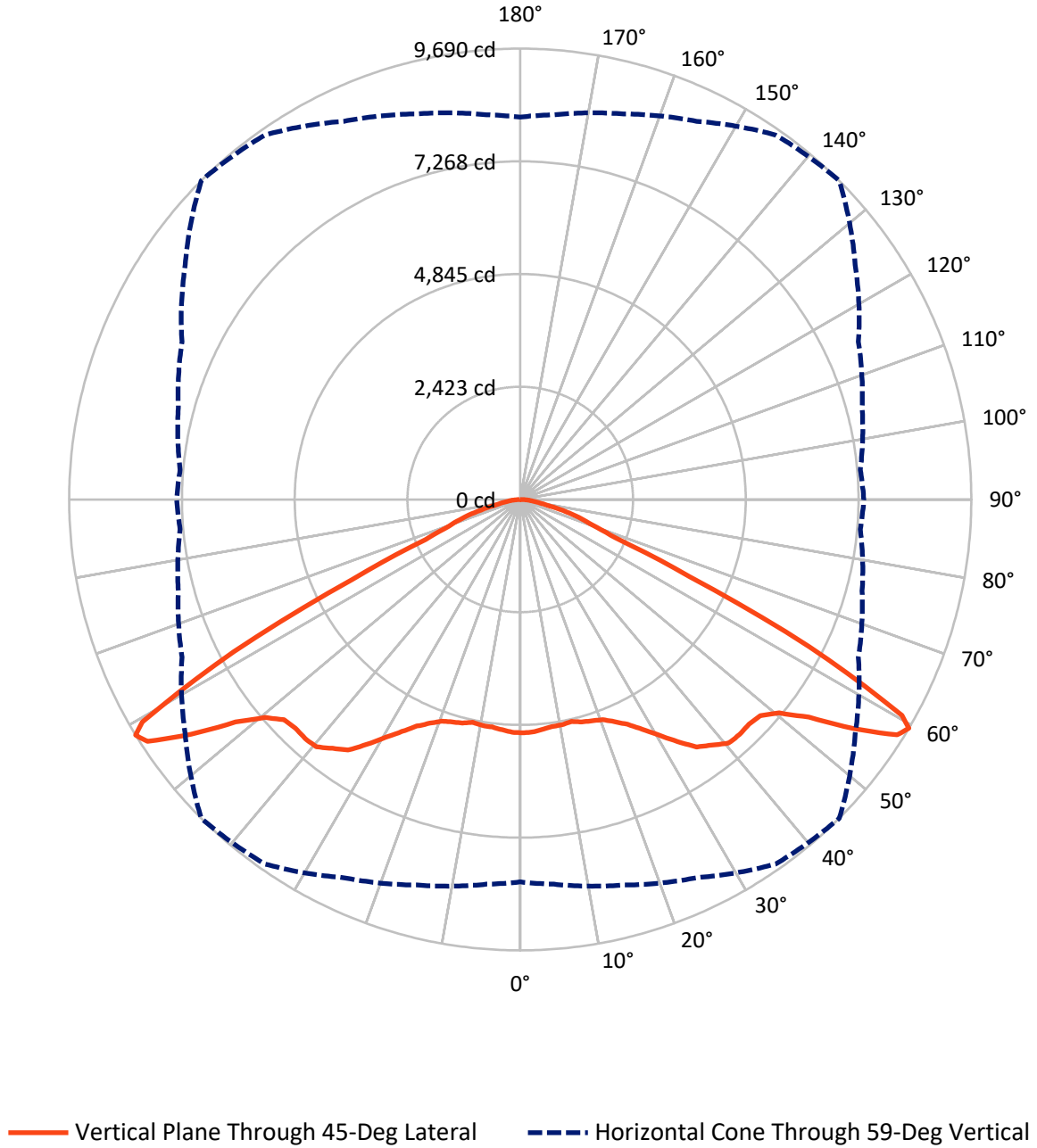
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12981.5	0.0	12981.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12981.5	0.0	12981.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25963.0	0.0	25963.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	472.7	1.8
10°-20°	1405.8	5.4
20°-30°	2454.7	9.5
30°-40°	3920.6	15.1
40°-50°	5340.6	20.6
50°-60°	7221.9	27.8
60°-70°	3960.5	15.3
70°-80°	1013.2	3.9
80°-90°	172.8	0.7
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°	25963.0	100.0
0°-180°	25963.0	100.0

**Coefficient of Utilization**



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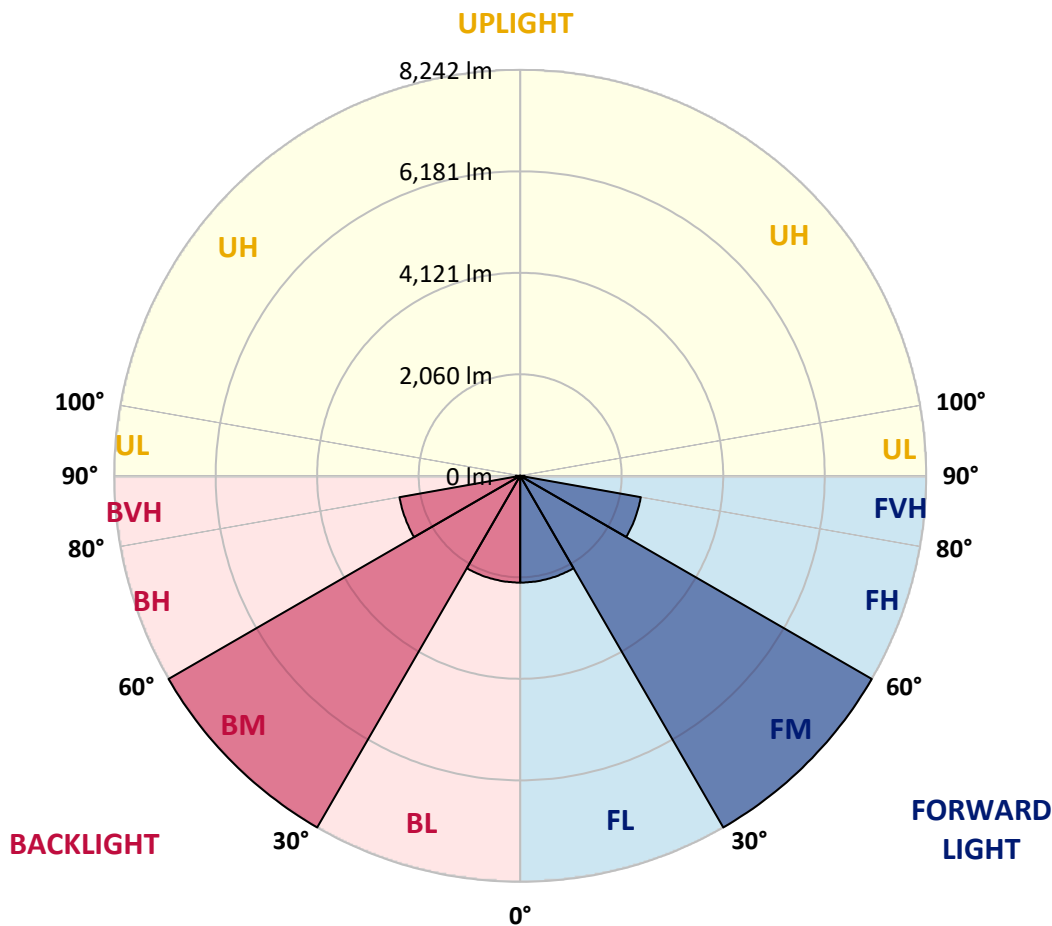
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2166.7	8.3			
FM (30°-60°)	8241.6	31.7			
FH (60°-80°)	2486.9	9.6			G2/5000
FVH (80°-90°)	86.4	0.3			G1/100
BL (0°-30°)	2166.7	8.3	B3/2500		
BM (30°-60°)	8241.6	31.7	B4/8500		
BH (60°-80°)	2486.9	9.6	B3/2500		G2/5000
BVH (80°-90°)	86.4	0.3			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°	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8
2.5°	4984.9	5021.5	4994.8	5018.1	5014.8	5004.8	4988.2	4978.2	4964.9	4984.9	4951.6
5°	4964.9	4994.8	5024.8	4984.9	4984.9	4964.9	4954.9	4934.9	4934.9	4931.6	4928.3
7.5°	4998.2	4968.2	4954.9	4961.6	4968.2	4925.0	4954.9	4915.0	4881.7	4905.0	4931.6
10°	4968.2	4981.5	4931.6	4954.9	4918.3	4925.0	4905.0	4931.6	4895.0	4895.0	4895.0
12.5°	4998.2	4961.6	4978.2	4961.6	4951.6	4895.0	4921.6	4891.7	4888.4	4921.6	4891.7
15°	5058.1	4998.2	4984.9	4951.6	4961.6	4961.6	4934.9	4938.3	4901.7	4921.6	4928.3
17.5°	5038.1	5004.8	4994.8	4954.9	4988.2	4998.2	4948.3	4915.0	4938.3	4934.9	4931.6
20°	5054.7	5068.1	5058.1	5064.7	5078.0	5051.4	5004.8	4958.2	4928.3	4971.6	4968.2
22.5°	5161.2	5147.9	5141.3	5134.6	5157.9	5184.5	5121.3	5048.1	5048.1	5078.0	5091.3
25°	5247.7	5244.4	5241.1	5271.0	5350.9	5350.9	5271.0	5177.9	5154.6	5174.5	5157.9
27.5°	5374.2	5410.8	5397.5	5450.7	5567.2	5593.8	5487.3	5377.5	5314.3	5291.0	5321.0
30°	5663.7	5620.4	5630.4	5687.0	5790.2	5876.7	5713.6	5597.2	5510.6	5507.3	5520.6
32.5°	5856.7	5890.0	5919.9	5973.2	6136.2	6202.8	6006.5	5816.8	5763.5	5733.6	5743.6
35°	6242.7	6212.8	6206.1	6259.4	6422.4	6532.2	6286.0	6119.6	6049.7	6116.3	6116.3
37.5°	6608.8	6525.6	6462.3	6532.2	6682.0	6695.3	6485.6	6395.8	6359.2	6435.7	6432.4
40°	6781.8	6775.2	6628.7	6668.7	6868.3	6888.3	6692.0	6585.5	6578.8	6678.6	6778.5
42.5°	6961.5	6898.3	6751.9	6778.5	6901.6	6908.3	6721.9	6692.0	6765.2	6861.7	6868.3
45°	6991.5	6938.2	6845.0	6778.5	6868.3	6888.3	6778.5	6798.4	6805.1	6921.6	6921.6
47.5°	7051.3	7044.7	6991.5	6941.5	6958.2	6941.5	6871.7	6901.6	7001.4	7058.0	7031.4
50°	7217.7	7147.9	7201.1	7157.8	7161.2	7207.7	7144.5	7174.5	7154.5	7104.6	7071.3
52.5°	7583.8	7550.5	7597.1	7627.0	7660.3	7766.8	7693.6	7533.9	7384.1	7251.0	7247.7
55°	8119.5	8142.8	8232.7	8385.7	8515.5	8685.2	8332.5	7949.8	7710.2	7500.6	7513.9
57.5°	8625.3	8608.7	8731.8	9081.2	9460.6	9547.1	8854.9	8309.2	7919.9	7786.8	7730.2
59°	8219.4	8299.2	8578.8	8968.1	9563.7	9690.2	8785.1	8016.4	7603.7	7334.2	7380.8
60°	7580.4	7610.4	7860.0	8402.4	9207.7	9424.0	8315.9	7563.8	7014.7	6858.3	6928.2
62.5°	5357.6	5334.3	5514.0	5956.5	6678.6	6971.5	6182.8	5653.7	5307.6	5134.6	5174.5
65°	2848.5	2955.0	3028.2	3304.4	3687.1	3996.5	3670.4	3440.8	3247.8	3104.7	3101.4
67.5°	1923.4	1910.1	1926.7	1990.0	2119.7	2206.3	2199.6	2083.1	2066.5	2039.9	2069.8
70°	1620.6	1613.9	1584.0	1584.0	1610.6	1630.6	1653.9	1667.2	1693.8	1727.1	1723.7
72.5°	1314.4	1297.8	1277.8	1267.8	1301.1	1311.1	1341.1	1354.4	1377.7	1374.3	1404.3
75°	868.5	868.5	891.8	918.4	928.4	948.4	951.7	991.6	991.6	998.3	971.7
77.5°	485.8	472.5	489.2	515.8	539.1	575.7	612.3	642.2	658.9	652.2	652.2
80°	282.9	282.9	299.5	329.4	359.4	392.7	419.3	442.6	459.2	452.6	439.3
82.5°	176.4	176.4	193.0	223.0	246.2	266.2	302.8	332.8	352.7	346.1	329.4
85°	89.8	89.8	109.8	129.8	159.7	173.0	169.7	156.4	153.1	136.4	136.4
87.5°	23.3	23.3	33.3	36.6	29.9	33.3	33.3	33.3	33.3	33.3	36.6
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)