

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: P528458

Luminaire Tested: **GALN-SA3C-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528458  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-740-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18904 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

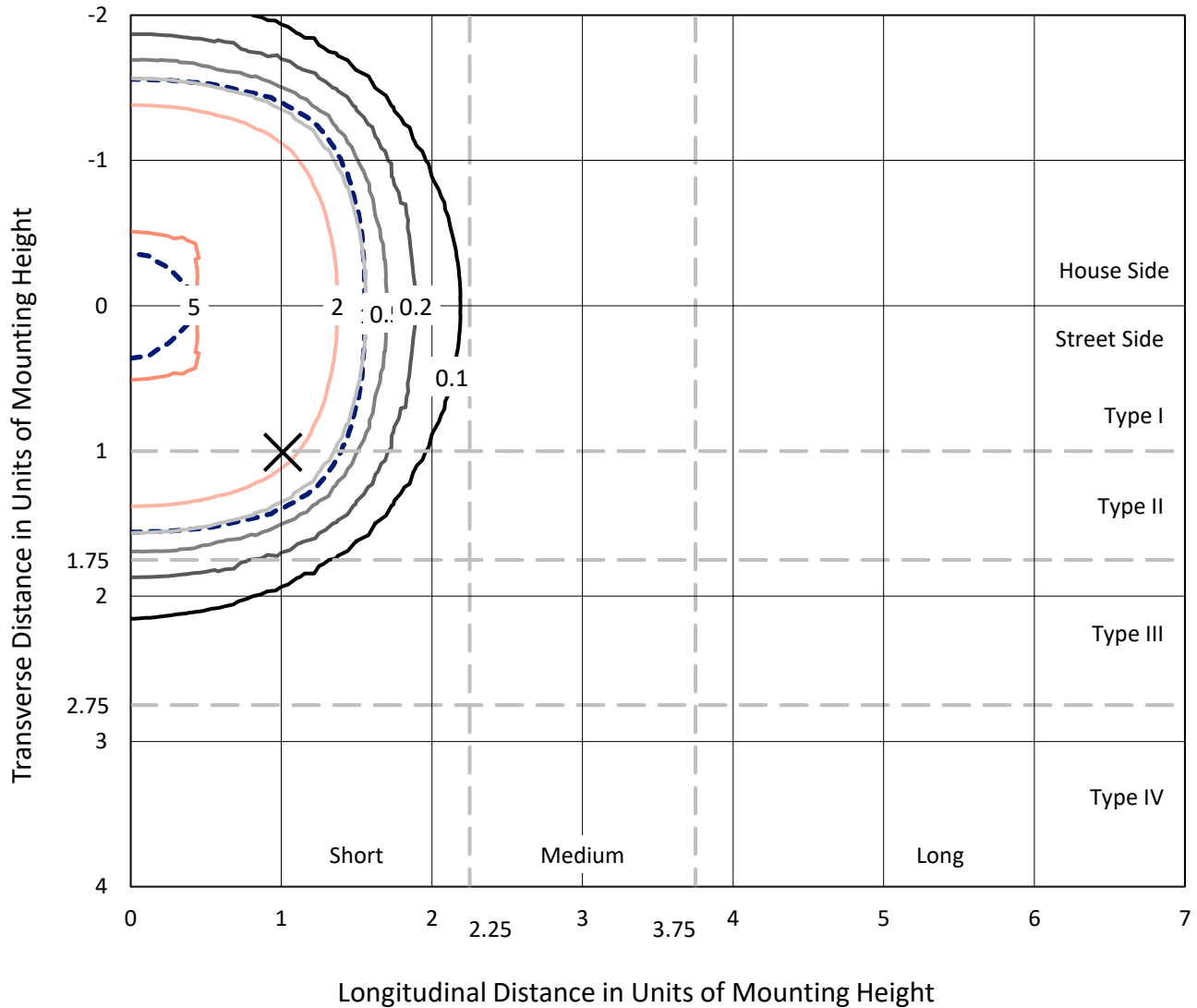
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

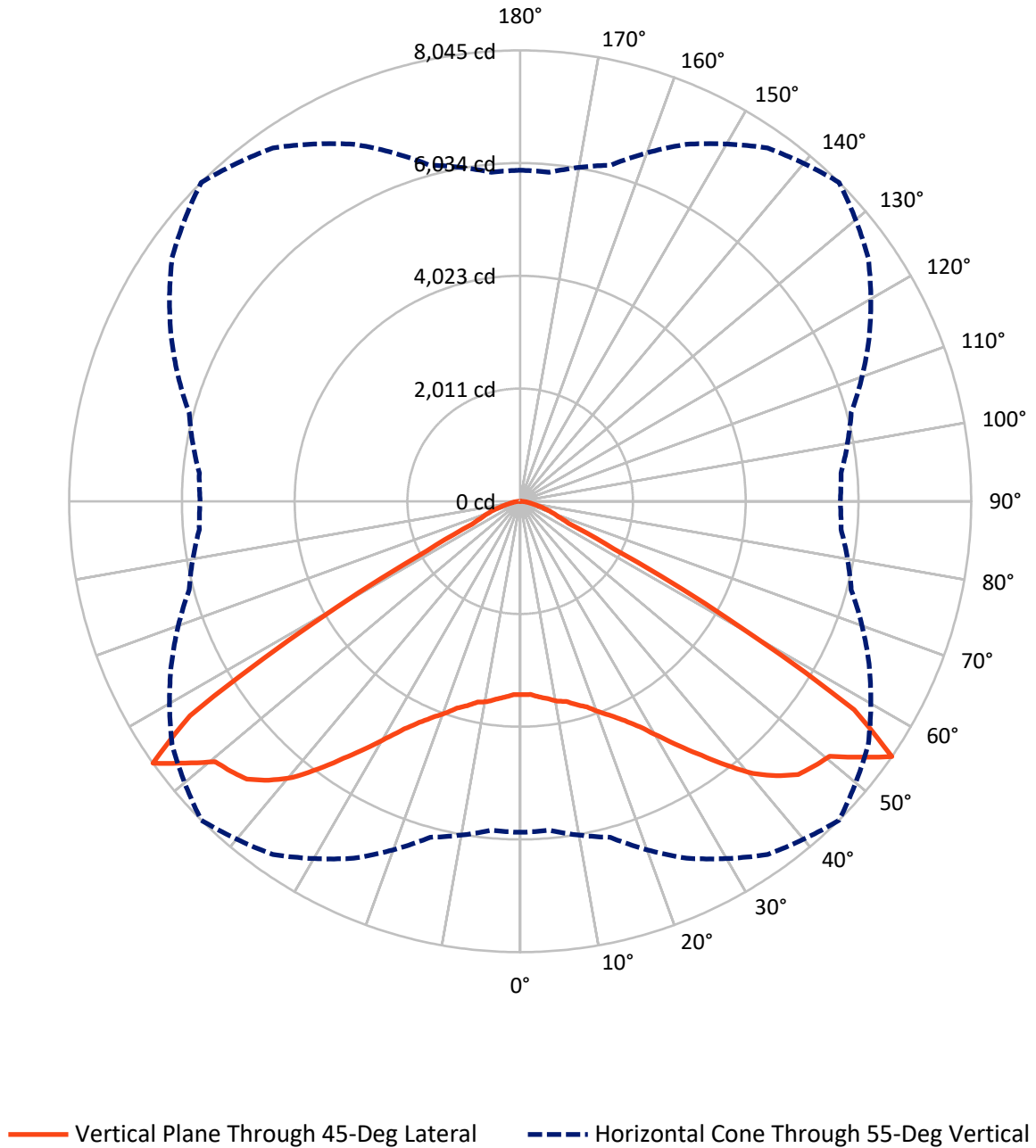
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	9452.0	0.0	9452.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9452.0	0.0	9452.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18904.0	0.0	18904.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.2	1.8
10°-20°	1068.4	5.7
20°-30°	1992.2	10.5
30°-40°	3335.6	17.6
40°-50°	5190.4	27.5
50°-60°	5389.3	28.5
60°-70°	1142.9	6.0
70°-80°	376.4	2.0
80°-90°	71.7	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°	18904.0	100.0
0°-180°	18904.0	100.0

**Coefficient of Utilization**

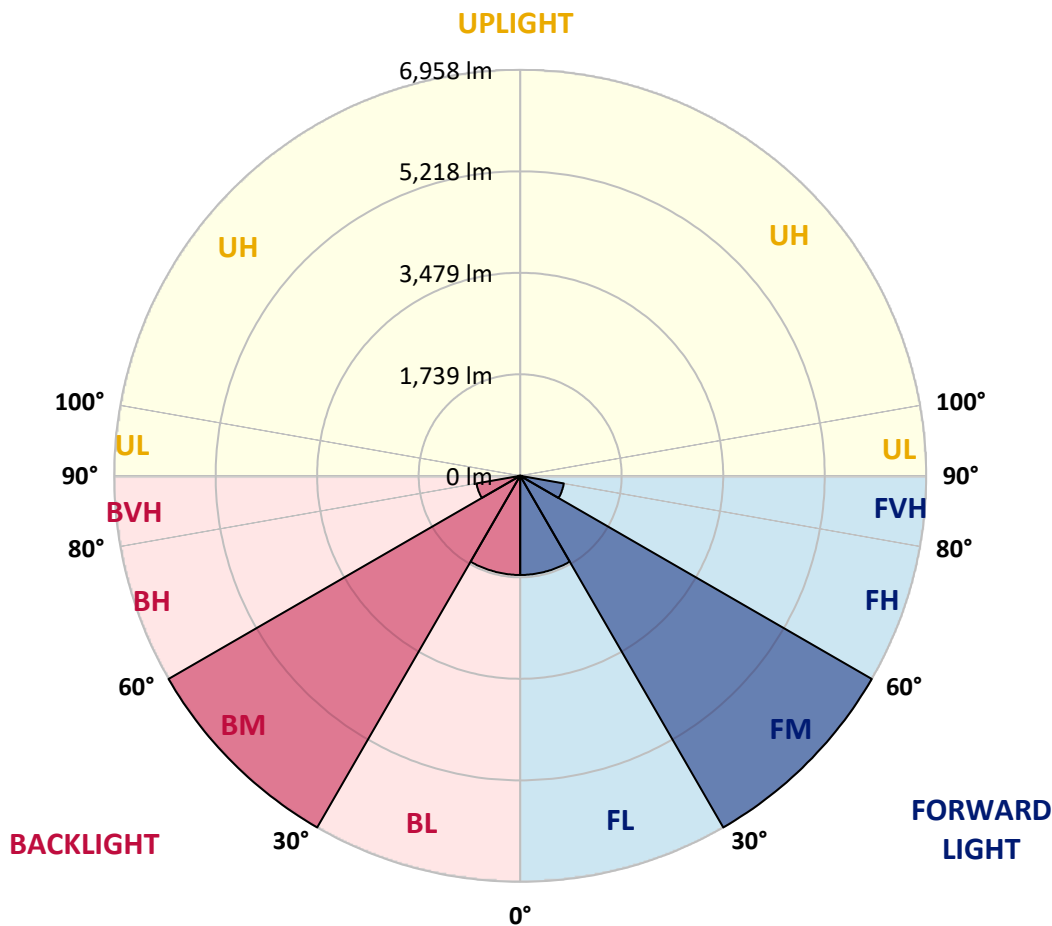


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1698.9	9.0			
FM (30°-60°)	6957.6	36.8			
FH (60°-80°)	759.6	4.0			G1/1800
FVH (80°-90°)	35.8	0.2			G1/100
BL (0°-30°)	1698.9	9.0	B3/2500		
BM (30°-60°)	6957.6	36.8	B4/8500		
BH (60°-80°)	759.6	4.0	B2/1000		G1/1800
BVH (80°-90°)	35.8	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-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3451.6	3451.6	3451.6	3451.6	3451.6	3451.6	3451.6	3451.6	3451.6	3451.6	3451.6
2.5°	3492.7	3476.7	3449.3	3469.9	3485.9	3451.6	3465.3	3472.1	3467.6	3449.3	3456.2
5°	3543.0	3533.8	3511.0	3527.0	3506.4	3506.4	3492.7	3474.4	3501.8	3497.3	3508.7
7.5°	3543.0	3531.5	3577.2	3547.5	3556.7	3556.7	3533.8	3515.5	3529.3	3508.7	3497.3
10°	3613.8	3629.8	3609.2	3616.1	3611.5	3627.5	3593.2	3581.8	3570.4	3563.5	3549.8
12.5°	3698.3	3686.9	3693.7	3689.2	3705.1	3664.0	3643.5	3618.3	3638.9	3609.2	3629.8
15°	3766.8	3760.0	3766.8	3785.1	3769.1	3766.8	3730.3	3705.1	3673.2	3680.0	3648.0
17.5°	3860.5	3853.6	3855.9	3871.9	3869.6	3858.2	3830.8	3782.8	3771.4	3753.1	3732.6
20°	3999.8	3988.4	3983.8	3990.7	4002.1	4011.2	3956.4	3938.1	3899.3	3869.6	3835.4
22.5°	4118.6	4114.0	4132.3	4102.6	4127.7	4155.2	4102.6	4093.5	3997.5	3981.5	3945.0
25°	4283.1	4276.2	4264.8	4308.2	4337.9	4335.6	4285.4	4235.1	4162.0	4143.7	4143.7
27.5°	4456.7	4417.9	4477.2	4488.7	4541.2	4557.2	4513.8	4440.7	4372.2	4333.3	4342.5
30°	4673.7	4637.1	4650.8	4733.1	4801.6	4861.0	4751.4	4644.0	4548.1	4479.5	4468.1
32.5°	4890.7	4854.2	4895.3	4975.2	5112.3	5201.4	5094.0	4906.7	4794.8	4694.3	4714.8
35°	5066.6	5094.0	5160.3	5281.3	5422.9	5566.9	5395.5	5251.6	5091.7	4979.8	4995.8
37.5°	5349.8	5434.4	5486.9	5626.2	5827.3	5975.7	5797.6	5610.3	5438.9	5292.7	5242.5
40°	5719.9	5777.0	5836.4	6000.9	6238.4	6386.9	6217.9	5973.5	5804.4	5653.7	5646.8
42.5°	6126.5	6181.3	6243.0	6444.0	6585.7	6697.6	6542.3	6412.1	6224.7	6106.0	6099.1
45°	6599.4	6560.5	6629.1	6761.5	6880.3	6953.4	6852.9	6789.0	6654.2	6544.5	6533.1
47.5°	6914.6	6880.3	7003.7	7122.5	7140.7	7060.8	7081.4	7140.7	6999.1	6818.7	6875.8
50°	7097.3	7097.3	7179.6	7289.2	7255.0	7152.2	7314.4	7318.9	7177.3	7017.4	7017.4
52.5°	6779.8	6850.6	7083.6	7442.3	7556.5	7586.2	7549.6	7394.3	7024.2	6697.6	6681.6
55°	5907.2	5891.2	6206.5	7028.8	7693.5	8045.3	7579.3	6864.3	6112.8	5745.0	5708.5
57.5°	3842.2	3860.5	4331.0	5169.4	6368.6	7024.2	6238.4	5233.3	4331.0	3823.9	3871.9
60°	1729.2	1790.9	2076.4	2702.3	3732.6	4267.1	3741.7	2839.4	2179.2	1891.4	1916.5
62.5°	993.7	1005.1	1016.5	1206.1	1589.9	1880.0	1651.6	1274.6	1123.9	1073.6	1073.6
65°	838.3	831.5	833.8	849.8	890.9	950.3	925.1	890.9	895.4	890.9	884.0
67.5°	712.7	721.8	715.0	726.4	728.7	737.8	753.8	767.5	769.8	774.4	769.8
70°	584.8	587.1	591.6	600.8	603.1	609.9	632.8	644.2	651.0	651.0	660.2
72.5°	447.7	445.4	450.0	459.1	470.6	472.9	493.4	509.4	518.5	507.1	509.4
75°	294.7	297.0	303.8	310.7	326.7	342.6	349.5	365.5	367.8	372.3	360.9
77.5°	175.9	180.5	187.3	201.0	214.7	228.4	244.4	255.8	260.4	255.8	242.1
80°	114.2	114.2	123.4	134.8	150.8	162.2	171.3	180.5	187.3	180.5	175.9
82.5°	70.8	70.8	82.2	95.9	107.4	114.2	127.9	139.3	146.2	141.6	134.8
85°	36.5	38.8	48.0	59.4	68.5	73.1	70.8	64.0	57.1	54.8	50.3
87.5°	11.4	11.4	13.7	13.7	11.4	11.4	13.7	11.4	13.7	13.7	13.7
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)