

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: P531030

Luminaire Tested: **GALN-SA6B-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-740-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29783 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

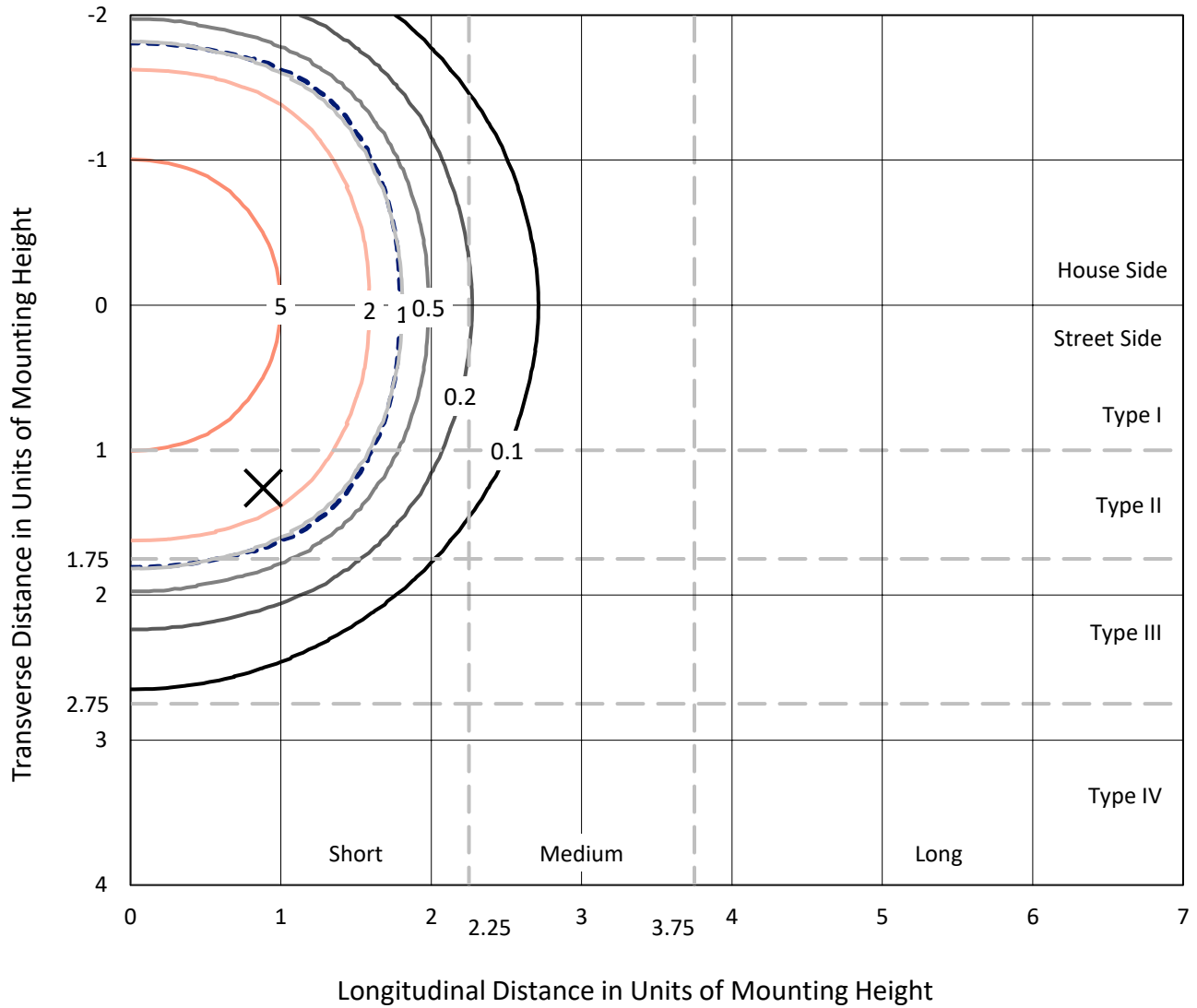
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

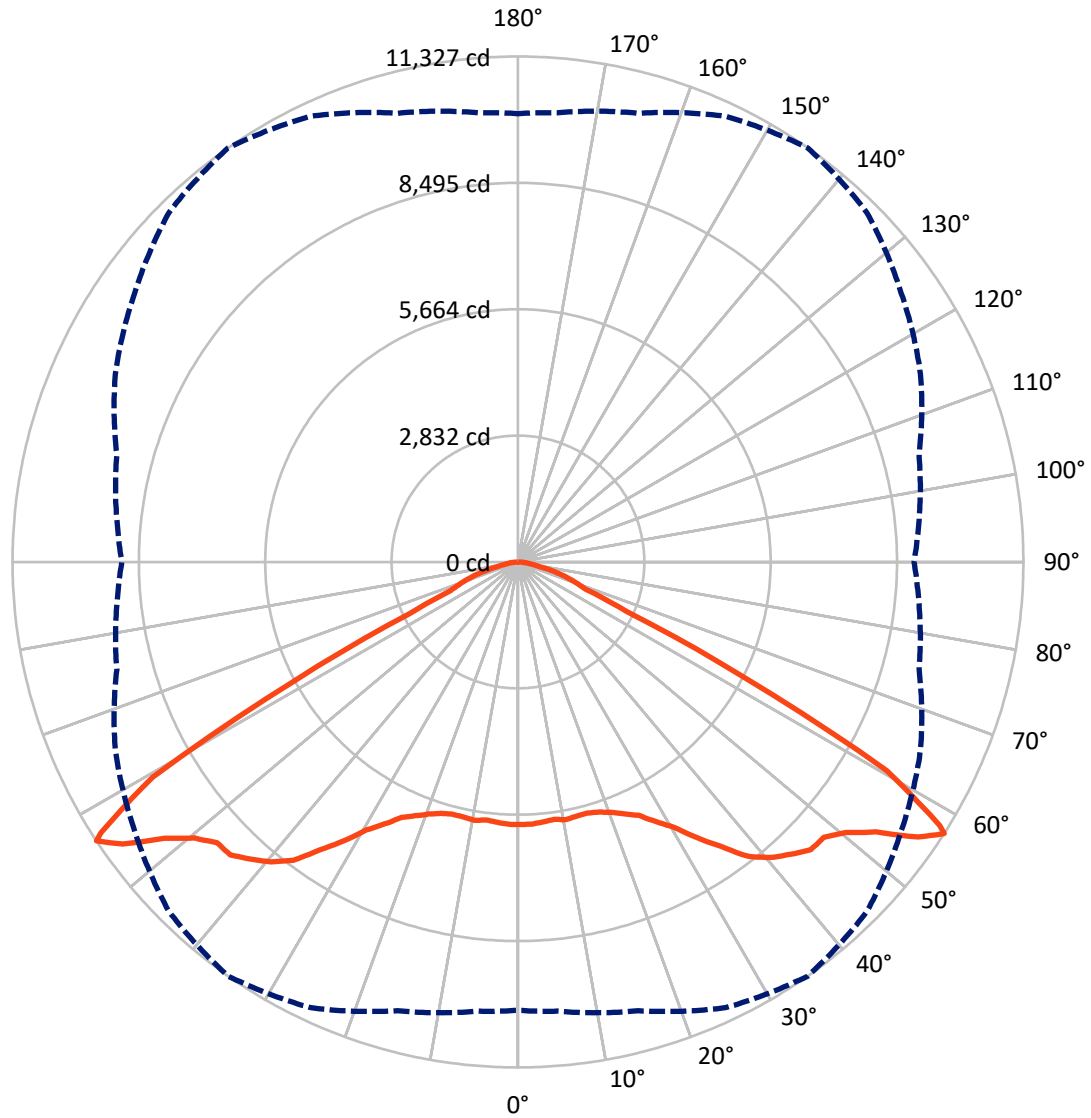
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14891.5	0.0	14891.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14891.5	0.0	14891.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29783.0	0.0	29783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.6	1.9
10°-20°	1651.5	5.5
20°-30°	2884.4	9.7
30°-40°	4726.1	15.9
40°-50°	6929.7	23.3
50°-60°	8728.5	29.3
60°-70°	3282.7	11.0
70°-80°	872.8	2.9
80°-90°	149.7	0.5
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°	29783.0	100.0
0°-180°	29783.0	100.0

Coefficient of Utilization



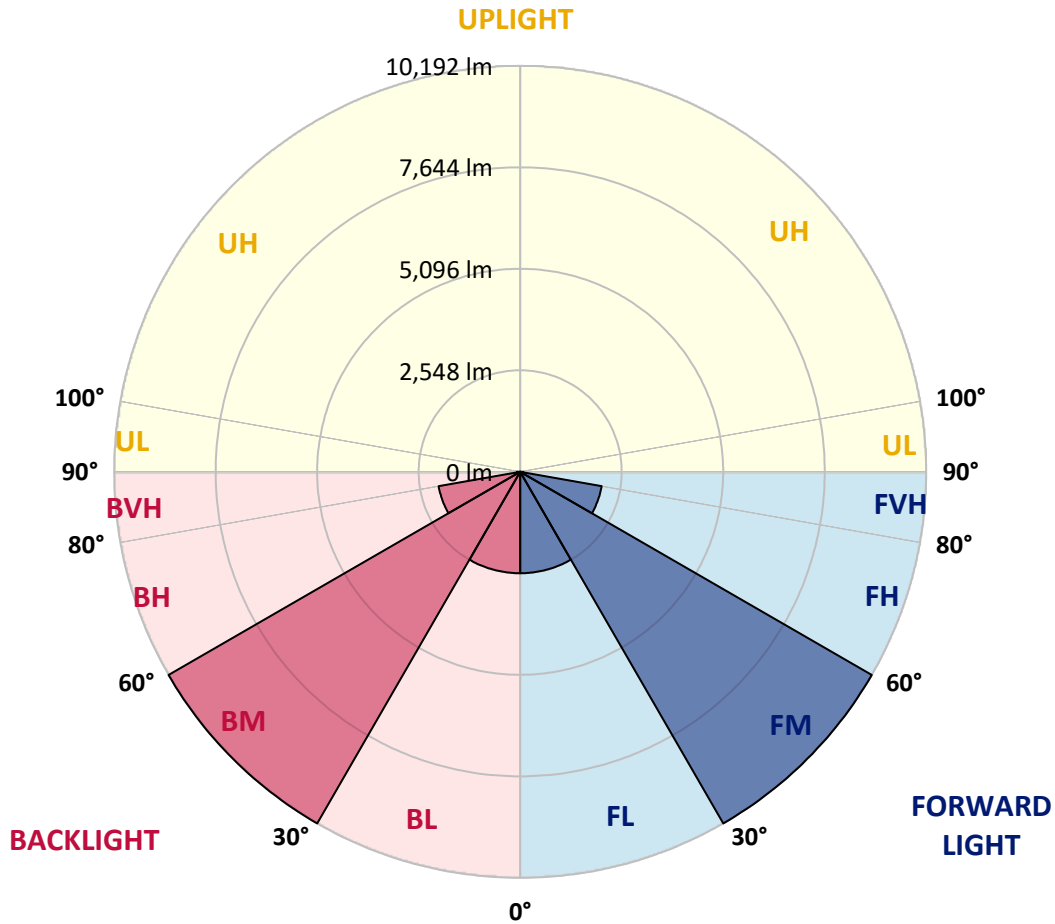
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2546.8	8.6			
FM (30°-60°)	10192.1	34.2			
FH (60°-80°)	2077.8	7.0			G2/5000
FVH (80°-90°)	74.8	0.3			G1/100
BL (0°-30°)	2546.8	8.6	B4/5000		
BM (30°-60°)	10192.1	34.2	B5		
BH (60°-80°)	2077.8	7.0	B3/2500		G2/5000
BVH (80°-90°)	74.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5881.9	5881.9	5881.9	5881.9	5881.9	5881.9	5881.9	5881.9	5881.9	5881.9	5881.9
2.5°	5852.6	5911.3	5885.6	5870.9	5881.9	5863.6	5834.2	5867.2	5859.9	5830.6	5819.5
5°	5837.9	5881.9	5852.6	5881.9	5852.6	5903.9	5889.3	5834.2	5900.3	5837.9	5859.9
7.5°	5826.9	5841.6	5848.9	5834.2	5823.2	5885.6	5852.6	5826.9	5790.2	5779.2	5797.5
10°	5801.2	5837.9	5782.9	5856.2	5870.9	5826.9	5826.9	5779.2	5749.8	5731.5	5793.9
12.5°	5867.2	5804.9	5797.5	5834.2	5845.2	5863.6	5812.2	5786.5	5731.5	5738.8	5727.8
15°	5790.2	5815.9	5819.5	5826.9	5837.9	5881.9	5834.2	5779.2	5757.2	5680.1	5687.4
17.5°	5819.5	5793.9	5819.5	5903.9	5889.3	5922.3	5870.9	5786.5	5735.2	5691.1	5749.8
20°	5870.9	5859.9	5870.9	5973.7	5992.0	6021.4	5977.3	5900.3	5801.2	5749.8	5779.2
22.5°	5926.0	5918.6	5926.0	6025.0	6131.4	6168.1	6124.1	5944.3	5892.9	5797.5	5764.5
25°	6025.0	6032.4	6109.4	6219.5	6289.2	6358.9	6278.2	6149.8	5984.7	5926.0	5856.2
27.5°	6245.2	6263.5	6307.6	6469.0	6590.1	6652.5	6538.7	6362.6	6259.9	6138.8	6120.4
30°	6516.7	6516.7	6593.8	6733.2	6898.3	6993.7	6854.3	6645.1	6520.4	6454.3	6414.0
32.5°	6876.3	6835.9	6865.3	7111.1	7368.0	7448.7	7261.6	7004.7	6806.6	6718.5	6689.2
35°	7184.5	7210.2	7276.3	7540.5	7826.7	8013.8	7720.3	7386.3	7184.5	7103.8	7089.1
37.5°	7584.5	7628.5	7661.5	8024.8	8369.7	8439.4	8156.9	7889.0	7643.2	7577.1	7540.5
40°	8149.6	8120.2	8131.2	8399.1	8711.0	8755.0	8476.1	8285.3	8083.5	8043.2	8043.2
42.5°	8615.6	8582.5	8619.2	8718.3	8956.8	8923.8	8769.7	8630.2	8545.9	8501.8	8545.9
45°	8898.1	8890.8	8956.8	9030.2	9199.0	9088.9	8967.8	8989.8	8909.1	8835.7	8832.1
47.5°	9206.3	9158.6	9239.4	9349.4	9221.0	9169.6	9162.3	9210.0	9184.3	9055.9	9015.5
50°	9356.8	9338.4	9466.9	9595.3	9525.6	9408.1	9433.8	9510.9	9180.6	9008.2	8909.1
52.5°	9760.4	9764.1	10009.9	10079.6	10050.3	9877.8	9932.9	9723.7	9334.8	9092.6	9103.6
55°	10395.2	10369.5	10644.7	10850.2	10883.2	10663.0	10398.9	10105.3	9617.3	9371.4	9298.1
57°	10046.6	10105.3	10409.9	11019.0	11327.2	11066.7	10490.6	9954.9	9305.4	9008.2	8876.1
57.5°	9580.6	9676.0	10204.4	10817.2	11140.1	11118.0	10376.8	9676.0	9096.2	8633.9	8644.9
60°	7019.4	7037.8	7514.8	8487.1	9496.2	9518.2	8615.6	7687.2	7041.4	6538.7	6608.4
62.5°	3702.3	3786.7	3977.5	4759.1	5632.4	5845.2	5298.5	4821.5	4263.8	3882.1	3918.8
65°	1959.4	1948.4	2040.1	2260.3	2689.6	2799.7	2726.3	2348.4	2153.9	2091.5	2095.2
67.5°	1592.5	1610.8	1599.8	1610.8	1640.2	1687.9	1676.9	1691.6	1702.6	1720.9	1717.2
70°	1350.3	1350.3	1357.6	1361.3	1361.3	1383.3	1409.0	1456.7	1460.4	1478.7	1486.1
72.5°	1064.1	1056.8	1067.8	1093.5	1097.1	1115.5	1152.2	1181.5	1192.5	1192.5	1170.5
75°	722.9	730.2	744.9	766.9	788.9	821.9	851.3	869.6	877.0	866.0	855.0
77.5°	407.3	414.6	425.6	458.7	484.4	513.7	546.7	565.1	583.4	587.1	565.1
80°	242.2	242.2	260.5	286.2	315.6	344.9	374.3	396.3	403.6	403.6	392.6
82.5°	146.8	150.4	165.1	190.8	216.5	234.8	260.5	278.9	293.5	289.9	282.5
85°	77.1	77.1	91.7	113.7	132.1	150.4	150.4	139.4	132.1	113.7	106.4
87.5°	25.7	22.0	29.4	29.4	25.7	29.4	29.4	33.0	33.0	33.0	33.0
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)