

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: P533786

Luminaire Tested: **GALN-SA9B-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533786
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-SA9B-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 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: 41466 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

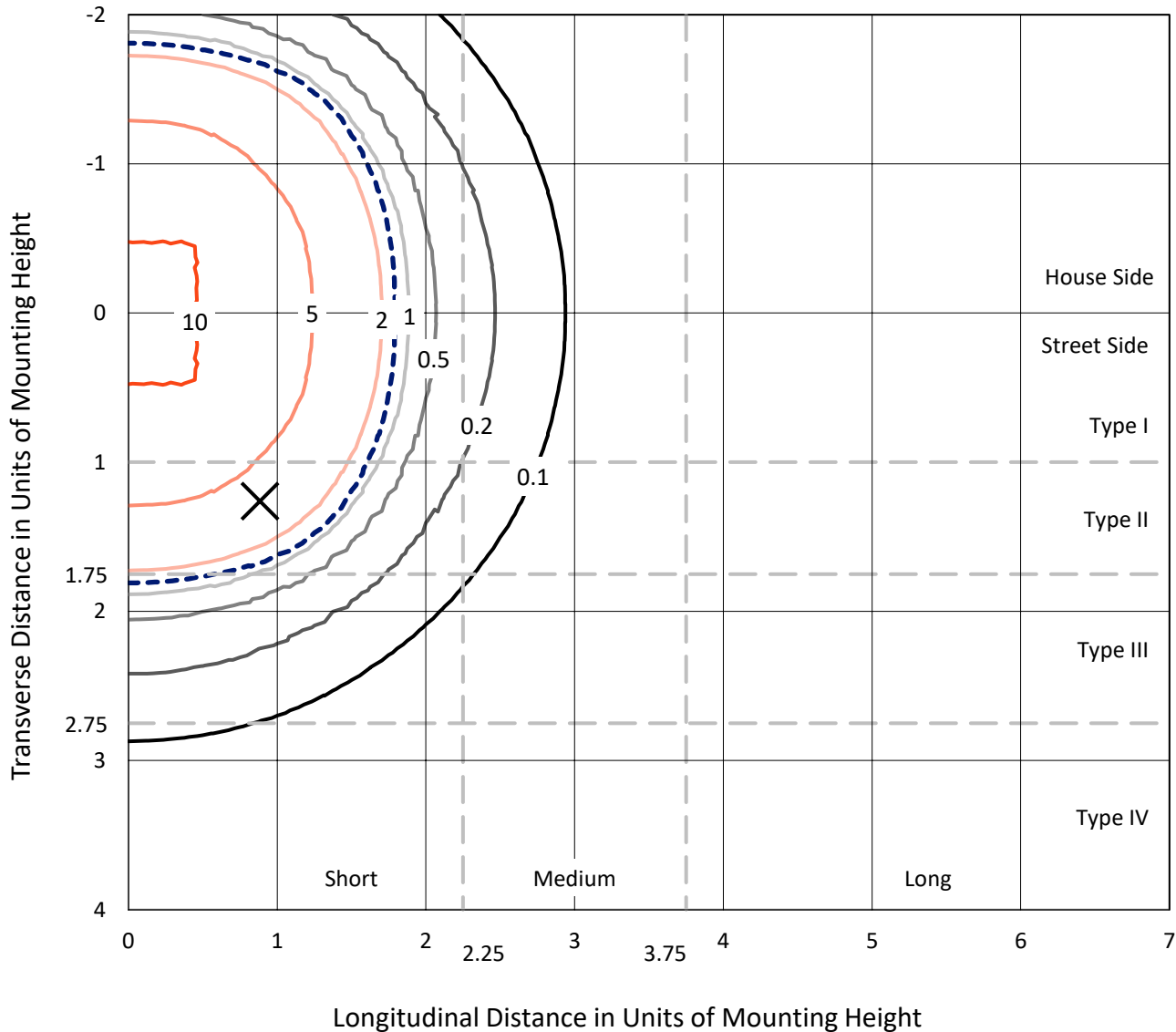
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

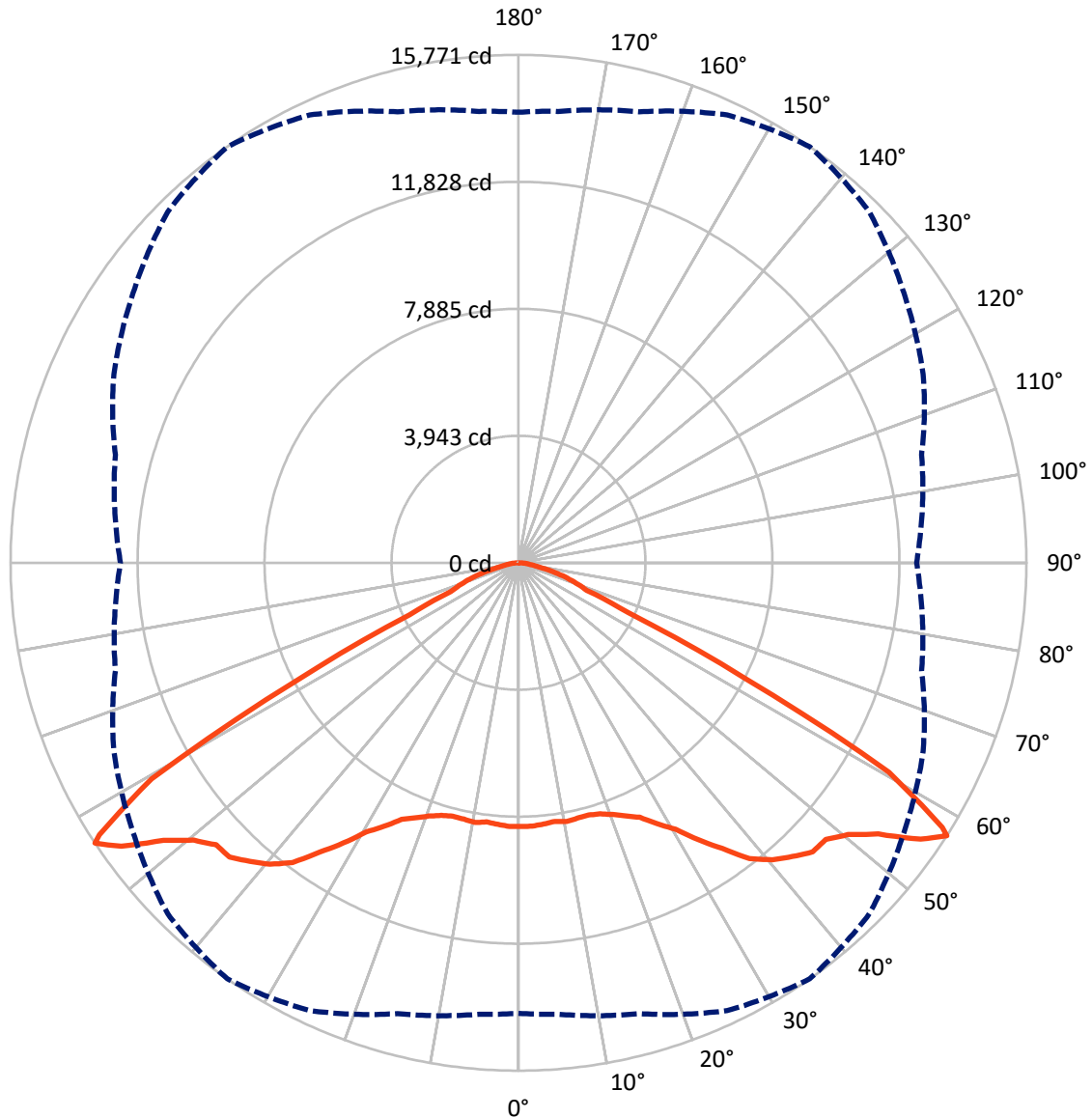
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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	20733.0	0.0	20733.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20733.0	0.0	20733.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	41466.0	0.0	41466.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.4	1.9
10°-20°	2299.4	5.5
20°-30°	4015.8	9.7
30°-40°	6580.1	15.9
40°-50°	9648.0	23.3
50°-60°	12152.4	29.3
60°-70°	4570.4	11.0
70°-80°	1215.2	2.9
80°-90°	208.4	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°	41466.0	100.0
0°-180°	41466.0	100.0

Coefficient of Utilization

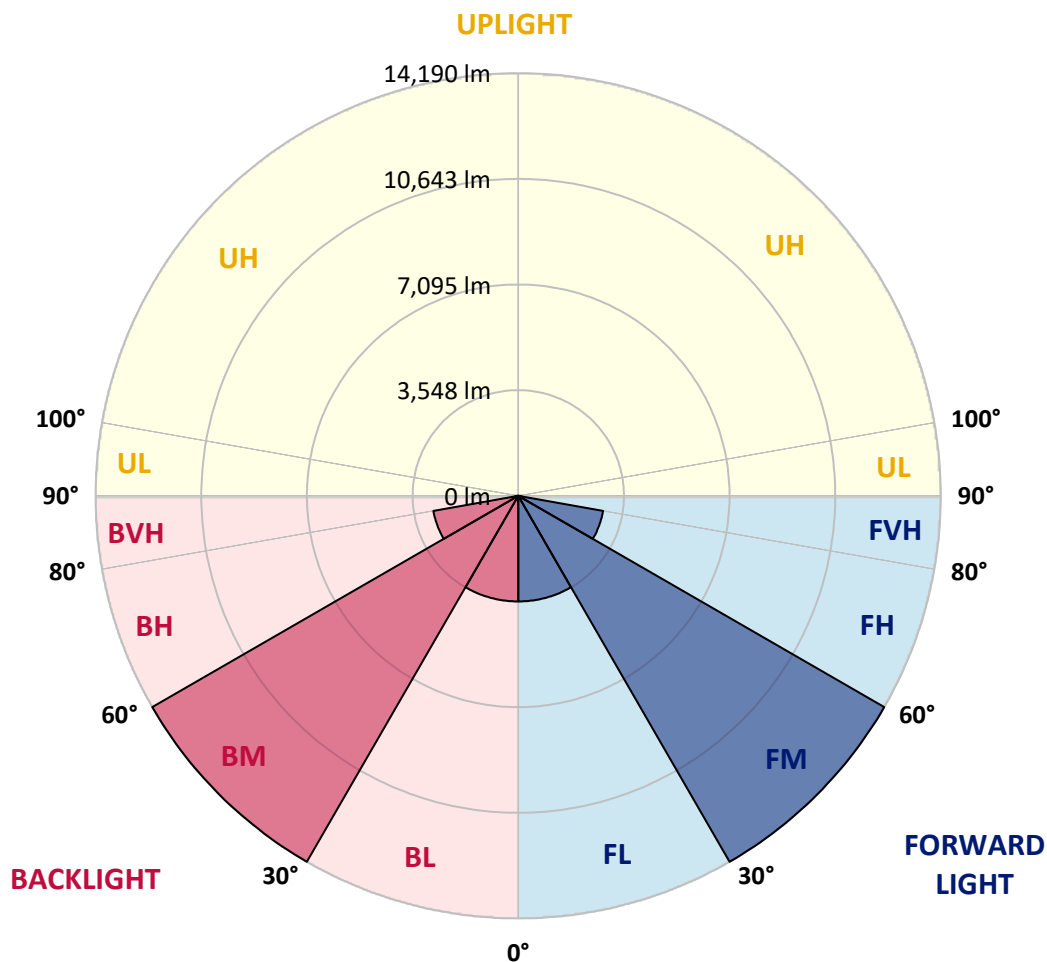


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3545.8	8.6			
FM (30°-60°)	14190.2	34.2			
FH (60°-80°)	2892.8	7.0			G2/5000
FVH (80°-90°)	104.2	0.3			G2/225
BL (0°-30°)	3545.8	8.6	B4/5000		
BM (30°-60°)	14190.2	34.2	B5		
BH (60°-80°)	2892.8	7.0	B4/5000		G2/5000
BVH (80°-90°)	104.2	0.3			G2/225
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°	8189.2	8189.2	8189.2	8189.2	8189.2	8189.2	8189.2	8189.2	8189.2	8189.2	8189.2
2.5°	8148.4	8230.1	8194.3	8173.9	8189.2	8163.7	8122.8	8168.8	8158.6	8117.7	8102.4
5°	8127.9	8189.2	8148.4	8189.2	8148.4	8219.9	8199.4	8122.8	8214.8	8127.9	8158.6
7.5°	8112.6	8133.0	8143.3	8122.8	8107.5	8194.3	8148.4	8112.6	8061.5	8046.2	8071.7
10°	8076.8	8127.9	8051.3	8153.5	8173.9	8112.6	8112.6	8046.2	8005.3	7979.8	8066.6
12.5°	8168.8	8081.9	8071.7	8122.8	8138.1	8163.7	8092.2	8056.4	7979.8	7990.0	7974.7
15°	8061.5	8097.3	8102.4	8112.6	8127.9	8189.2	8122.8	8046.2	8015.5	7908.3	7918.5
17.5°	8102.4	8066.6	8102.4	8219.9	8199.4	8245.4	8173.9	8056.4	7984.9	7923.6	8005.3
20°	8173.9	8158.6	8173.9	8316.9	8342.5	8383.4	8322.1	8214.8	8076.8	8005.3	8046.2
22.5°	8250.5	8240.3	8250.5	8388.5	8536.6	8587.7	8526.4	8276.1	8204.6	8071.7	8025.8
25°	8388.5	8398.7	8506.0	8659.2	8756.3	8853.4	8741.0	8562.2	8332.3	8250.5	8153.5
27.5°	8695.0	8720.5	8781.8	9006.6	9175.2	9262.1	9103.7	8858.5	8715.4	8546.8	8521.3
30°	9073.0	9073.0	9180.3	9374.4	9604.3	9737.2	9543.0	9251.8	9078.1	8986.2	8930.0
32.5°	9573.7	9517.5	9558.4	9900.6	10258.2	10370.6	10110.1	9752.5	9476.6	9354.0	9313.1
35°	10002.8	10038.6	10130.5	10498.4	10896.8	11157.4	10748.7	10283.8	10002.8	9890.4	9870.0
37.5°	10559.7	10621.0	10666.9	11172.7	11652.9	11750.0	11356.6	10983.7	10641.4	10549.4	10498.4
40°	11346.4	11305.5	11320.9	11693.8	12128.0	12189.3	11801.1	11535.4	11254.4	11198.2	11198.2
42.5°	11995.2	11949.2	12000.3	12138.2	12470.3	12424.3	12209.8	12015.6	11898.1	11836.8	11898.1
45°	12388.6	12378.4	12470.3	12572.5	12807.5	12654.2	12485.6	12516.3	12403.9	12301.7	12296.6
47.5°	12817.7	12751.3	12863.7	13016.9	12838.1	12766.6	12756.4	12822.8	12787.1	12608.2	12552.1
50°	13027.2	13001.6	13180.4	13359.2	13262.2	13098.7	13134.4	13241.7	12781.9	12541.8	12403.9
52.5°	13589.1	13594.2	13936.5	14033.6	13992.7	13752.6	13829.2	13538.0	12996.5	12659.3	12674.7
55°	14472.9	14437.2	14820.3	15106.4	15152.4	14845.9	14478.0	14069.3	13389.9	13047.6	12945.4
57°	13987.6	14069.3	14493.4	15341.4	15770.5	15407.8	14605.7	13859.9	12955.6	12541.8	12357.9
57.5°	13338.8	13471.6	14207.3	15060.4	15510.0	15479.3	14447.4	13471.6	12664.4	12020.7	12036.1
60°	9772.9	9798.5	10462.6	11816.4	13221.3	13251.9	11995.2	10702.7	9803.6	9103.7	9200.8
62.5°	5154.7	5272.2	5537.8	6626.0	7841.8	8138.1	7376.9	6712.8	5936.3	5405.0	5456.1
65°	2728.0	2712.7	2840.4	3147.0	3744.7	3897.9	3795.8	3269.6	2998.8	2912.0	2917.1
67.5°	2217.2	2242.7	2227.4	2242.7	2283.6	2350.0	2334.7	2355.1	2370.4	2396.0	2390.9
70°	1880.0	1880.0	1890.2	1895.3	1895.3	1926.0	1961.7	2028.1	2033.3	2058.8	2069.0
72.5°	1481.5	1471.3	1486.6	1522.4	1527.5	1553.0	1604.1	1645.0	1660.3	1660.3	1629.7
75°	1006.4	1016.6	1037.1	1067.7	1098.4	1144.3	1185.2	1210.8	1221.0	1205.7	1190.3
77.5°	567.1	577.3	592.6	638.6	674.3	715.2	761.2	786.7	812.3	817.4	786.7
80°	337.2	337.2	362.7	398.5	439.3	480.2	521.1	551.7	562.0	562.0	546.6
82.5°	204.3	209.5	229.9	265.7	301.4	327.0	362.7	388.3	408.7	403.6	393.4
85°	107.3	107.3	127.7	158.4	183.9	209.5	209.5	194.1	183.9	158.4	148.2
87.5°	35.8	30.7	40.9	40.9	35.8	40.9	40.9	46.0	46.0	46.0	46.0
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)