

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: P455415

Luminaire Tested: **GALN-SA6C-760-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43013 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

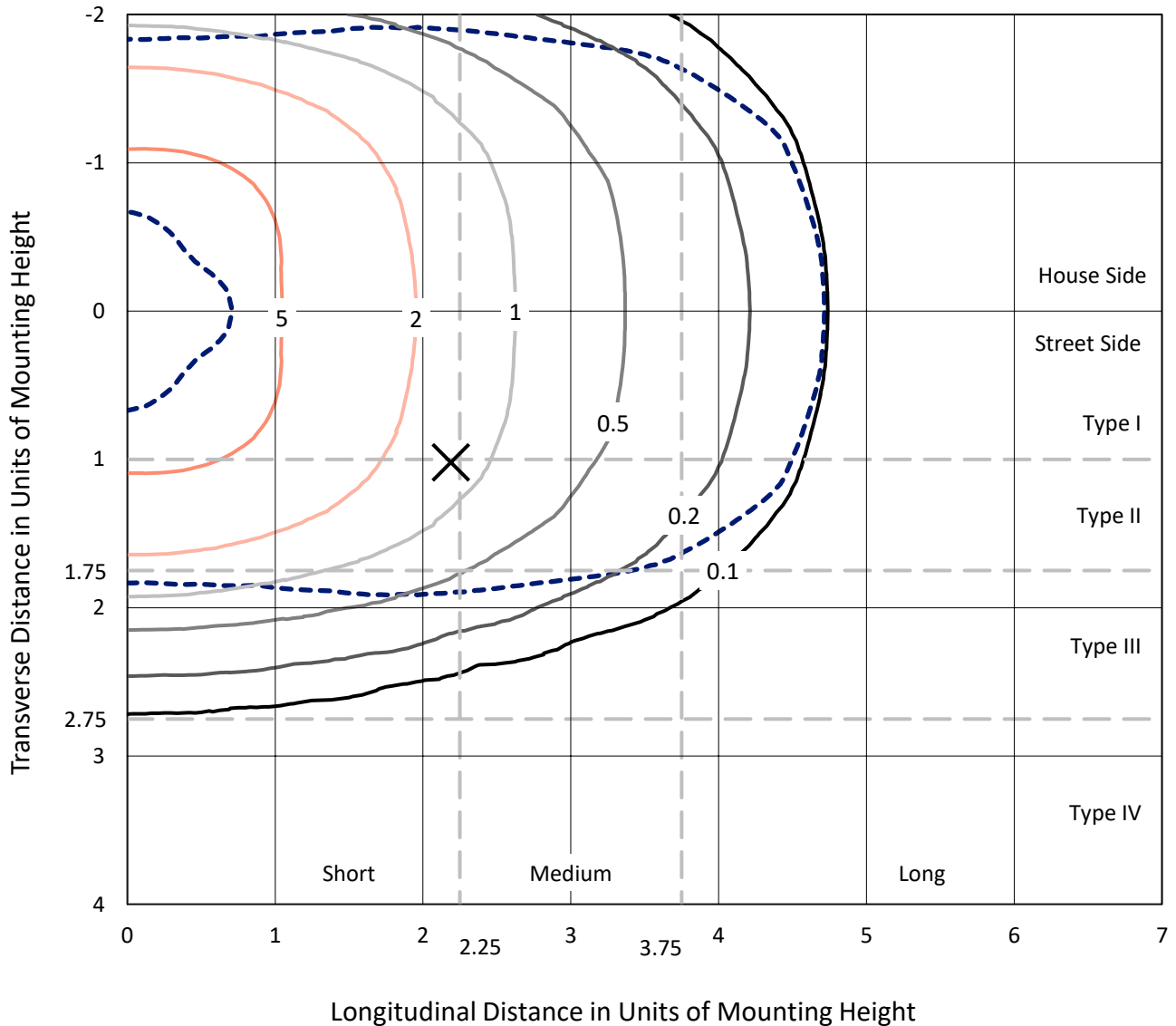
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

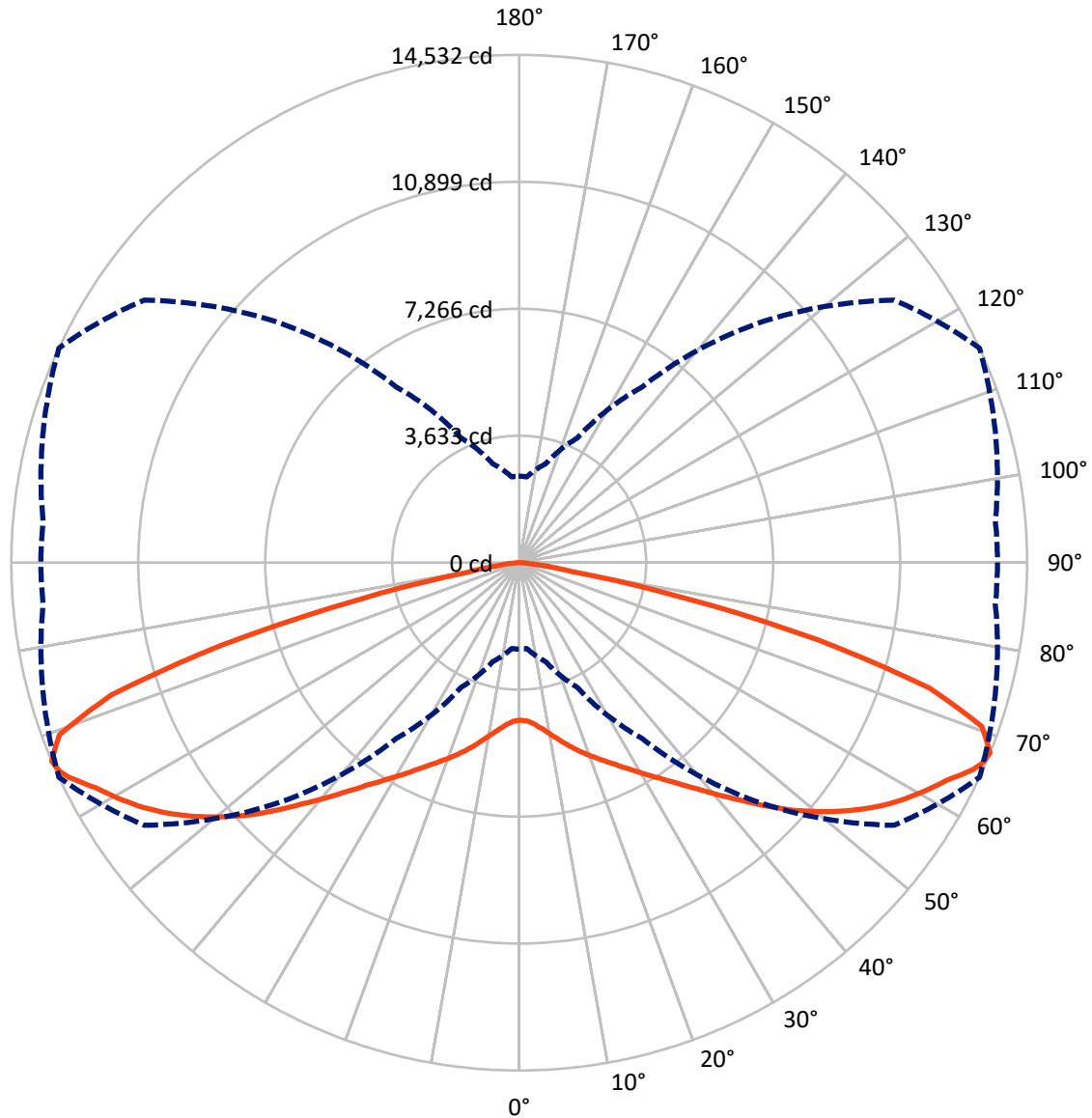
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21506.5	0.0	21506.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21506.5	0.0	21506.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43013.0	0.0	43013.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.3	1.0
10°-20°	1487.2	3.5
20°-30°	2909.0	6.8
30°-40°	4947.8	11.5
40°-50°	7830.9	18.2
50°-60°	10383.6	24.1
60°-70°	9794.9	22.8
70°-80°	4842.1	11.3
80°-90°	373.2	0.9
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°	43013.0	100.0
0°-180°	43013.0	100.0



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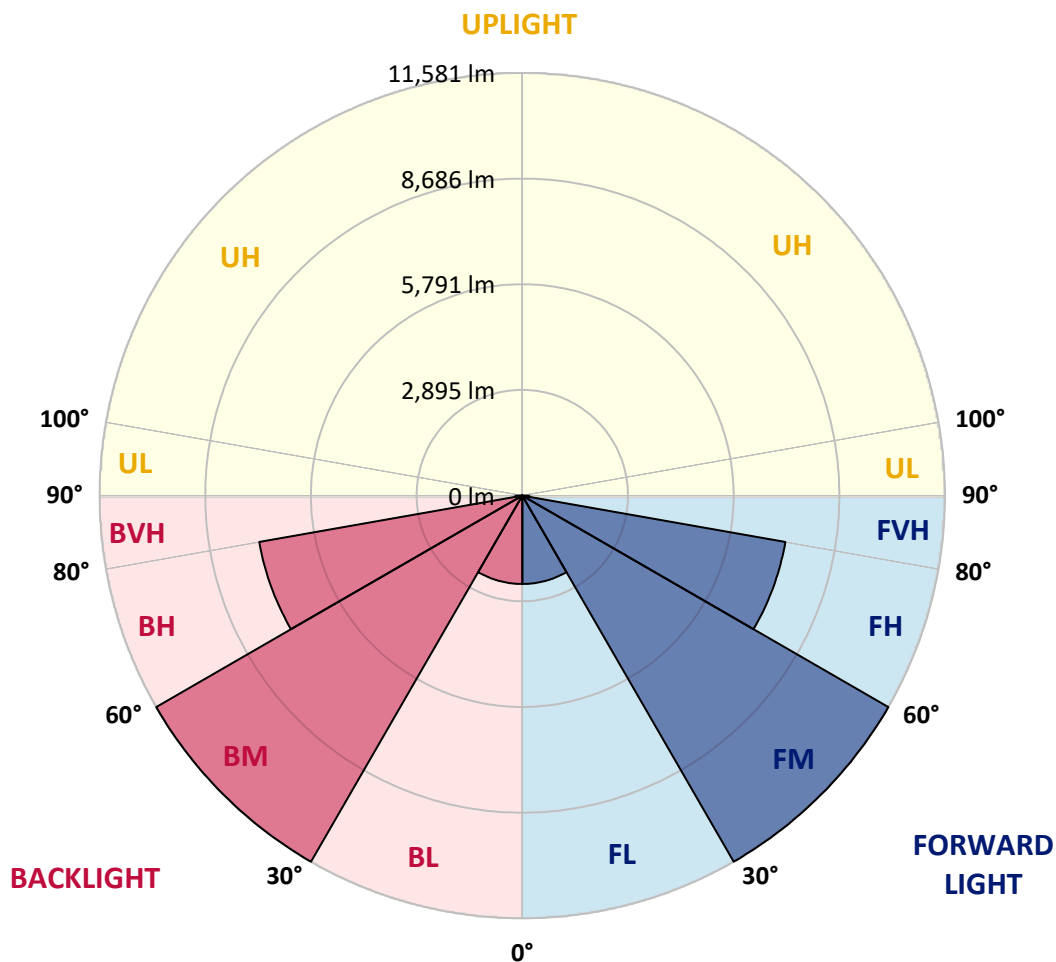
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2420.2	5.6			
FM (30°-60°)	11581.1	26.9			
FH (60°-80°)	7318.5	17.0			G3/7500
FVH (80°-90°)	186.6	0.4			G2/225
BL (0°-30°)	2420.2	5.6	B3/2500		
BM (30°-60°)	11581.1	26.9	B5		
BH (60°-80°)	7318.5	17.0	B5		G5
BVH (80°-90°)	186.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4505.2	4505.2	4505.2	4505.2	4505.2	4505.2	4505.2	4505.2	4505.2	4505.2	4505.2
2.5°	4482.2	4486.8	4491.4	4498.3	4507.5	4521.4	4530.6	4537.5	4555.9	4558.2	4555.9
5°	4466.1	4470.7	4482.2	4502.9	4532.9	4574.4	4606.6	4645.8	4675.8	4696.5	4691.9
7.5°	4463.8	4473.0	4491.4	4535.2	4592.8	4664.2	4738.0	4804.8	4862.4	4908.5	4901.6
10°	4500.6	4512.1	4542.1	4606.6	4696.5	4800.2	4903.9	5003.0	5086.0	5145.9	5166.6
12.5°	4562.8	4572.1	4627.4	4724.2	4853.2	4982.3	5099.8	5221.9	5337.1	5438.5	5438.5
15°	4671.2	4687.3	4756.4	4897.0	5056.0	5205.8	5325.6	5454.7	5579.1	5694.3	5728.9
17.5°	4820.9	4844.0	4947.7	5127.4	5330.2	5468.5	5581.4	5687.4	5795.7	5906.3	5922.5
20°	5026.0	5049.1	5187.4	5404.0	5643.6	5809.6	5885.6	5911.0	5964.0	6070.0	6083.8
22.5°	5304.9	5327.9	5482.3	5726.6	5993.9	6173.7	6205.9	6146.0	6132.2	6215.1	6224.4
25°	5620.6	5641.3	5818.8	6081.5	6358.0	6553.9	6544.7	6397.2	6314.2	6364.9	6378.8
27.5°	5975.5	6005.4	6185.2	6457.1	6756.7	6929.5	6901.9	6687.6	6510.1	6500.9	6505.5
30°	6429.5	6461.7	6632.3	6892.7	7187.6	7346.6	7289.0	7001.0	6726.7	6634.6	6634.6
32.5°	6908.8	6989.4	7162.3	7434.2	7664.7	7779.9	7692.3	7346.6	6982.5	6853.5	6846.6
35°	7533.3	7577.1	7747.6	8012.6	8185.5	8275.3	8107.1	7736.1	7316.7	7164.6	7143.8
37.5°	8144.0	8180.9	8379.0	8632.5	8842.2	8837.6	8609.5	8199.3	7731.5	7561.0	7547.1
40°	8768.5	8807.7	9033.5	9266.3	9476.0	9457.5	9181.0	8722.4	8224.6	8033.4	8070.2
42.5°	9310.0	9353.8	9609.6	9941.5	10130.4	10125.8	9805.5	9289.3	8770.8	8600.3	8632.5
45°	9803.2	9842.4	10139.7	10519.9	10796.4	10831.0	10480.7	9934.6	9402.2	9183.3	9192.5
47.5°	10151.2	10224.9	10536.0	10971.6	11347.2	11469.3	11126.0	10591.3	9978.3	9750.2	9764.0
50°	10416.2	10462.3	10801.0	11296.5	11771.2	12024.7	11748.2	11199.7	10554.5	10312.5	10344.8
52.5°	10448.5	10503.8	10872.5	11444.0	12052.4	12437.2	12301.2	11794.3	11142.1	10893.2	10962.3
55°	10185.7	10218.0	10658.2	11351.8	12163.0	12743.7	12778.3	12347.3	11702.1	11513.1	11559.2
57.5°	9436.8	9519.8	10077.4	10920.9	12010.9	12907.3	13135.5	12849.7	12269.0	12082.3	12156.1
60°	8208.5	8291.5	8851.5	9920.7	11437.1	12831.3	13430.4	13294.5	12782.9	12633.1	12672.3
62.5°	6431.8	6424.9	7118.5	8429.7	10296.4	12457.9	13649.4	13723.1	13289.9	13100.9	13160.8
65°	4168.8	4189.5	4860.1	6272.8	8574.9	11508.5	13697.7	14269.3	13787.6	13501.9	13545.7
66°	3353.0	3415.2	3984.4	5286.4	7696.9	10886.3	13552.6	14430.6	13939.7	13594.0	13614.8
67.5°	2475.0	2463.5	2931.3	3936.0	6146.0	9704.1	13098.6	14532.0	14112.6	13677.0	13686.2
70°	1412.6	1410.3	1576.3	2161.6	3613.4	6832.7	11040.7	14045.7	14462.8	13976.6	13951.2
72.5°	1032.4	1025.5	1048.5	1193.7	1762.9	3449.8	7616.3	12275.9	14283.1	13928.2	13856.8
75°	866.5	861.9	857.3	875.7	988.6	1562.4	4042.0	8830.7	12393.4	13073.2	12999.5
77.5°	707.5	707.5	709.8	705.2	709.8	822.7	1675.3	4733.4	7547.1	8425.1	8630.2
80°	553.1	550.8	589.9	573.8	536.9	527.7	742.0	1523.3	2505.0	2491.1	2055.6
82.5°	407.9	380.2	449.4	437.8	396.4	336.5	433.2	649.9	836.5	543.9	403.3
85°	258.1	255.8	318.0	290.4	242.0	159.0	207.4	278.8	345.7	209.7	170.5
87.5°	46.1	43.8	101.4	73.7	73.7	46.1	57.6	76.0	112.9	78.4	57.6
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)