

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: P532074

Luminaire Tested: **GALN-SA7B-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532074
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-SA7B-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA 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: 26719 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 286
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

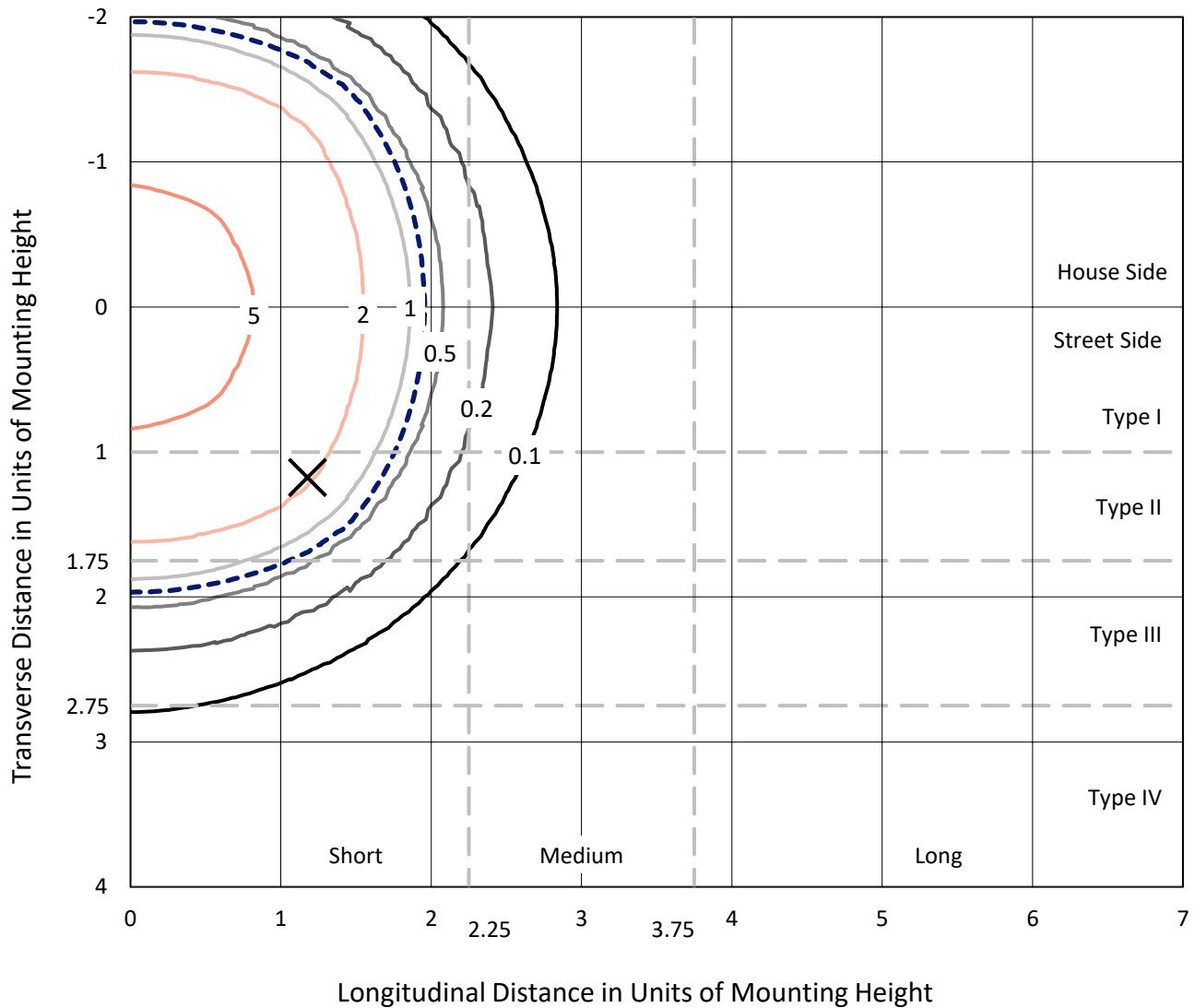


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

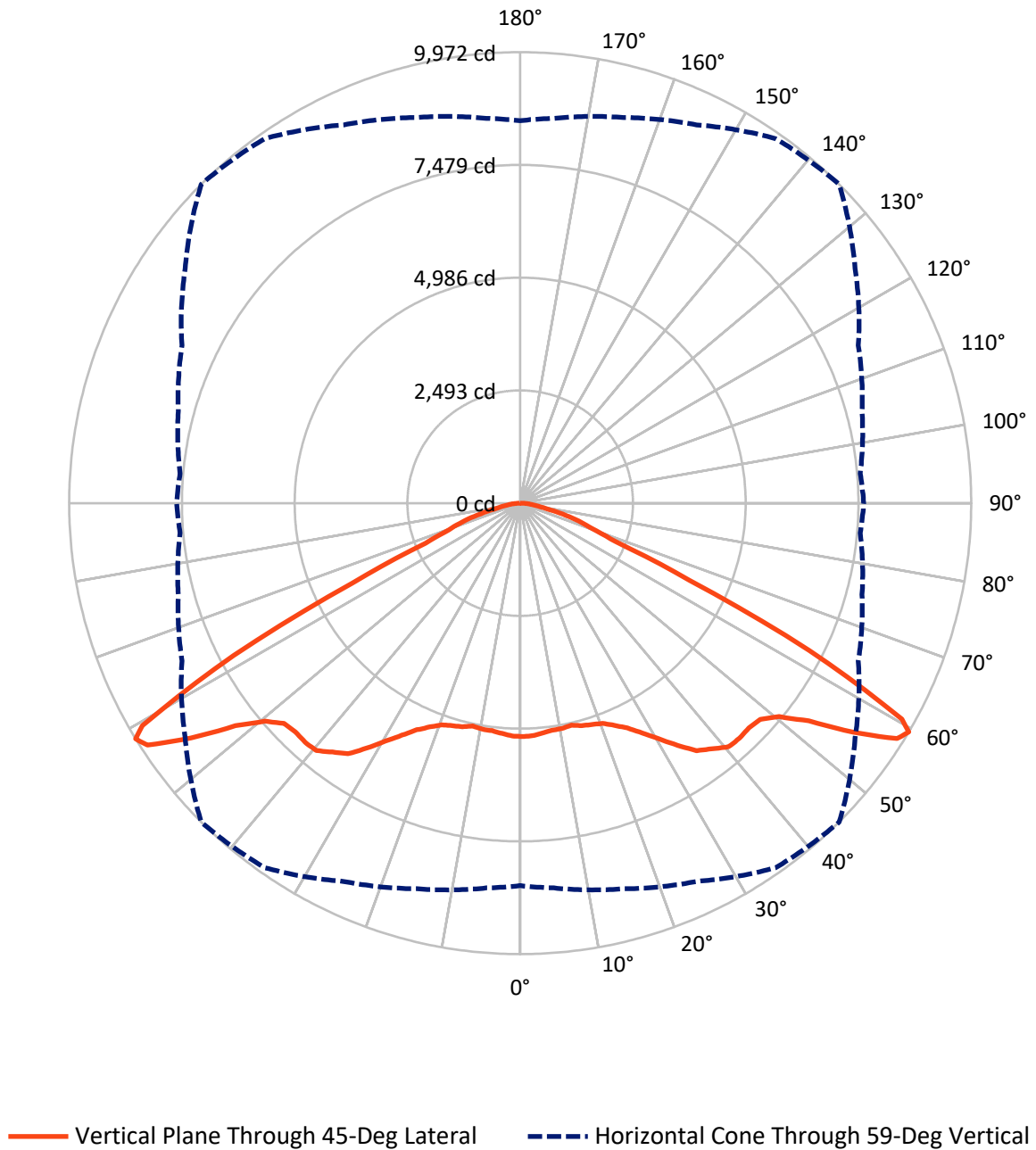


Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13359.5	0.0	13359.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13359.5	0.0	13359.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26719.0	0.0	26719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.5	1.8
10°-20°	1446.8	5.4
20°-30°	2526.2	9.5
30°-40°	4034.7	15.1
40°-50°	5496.1	20.6
50°-60°	7432.2	27.8
60°-70°	4075.9	15.3
70°-80°	1042.7	3.9
80°-90°	177.8	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°	26719.0	100.0
0°-180°	26719.0	100.0

Coefficient of Utilization



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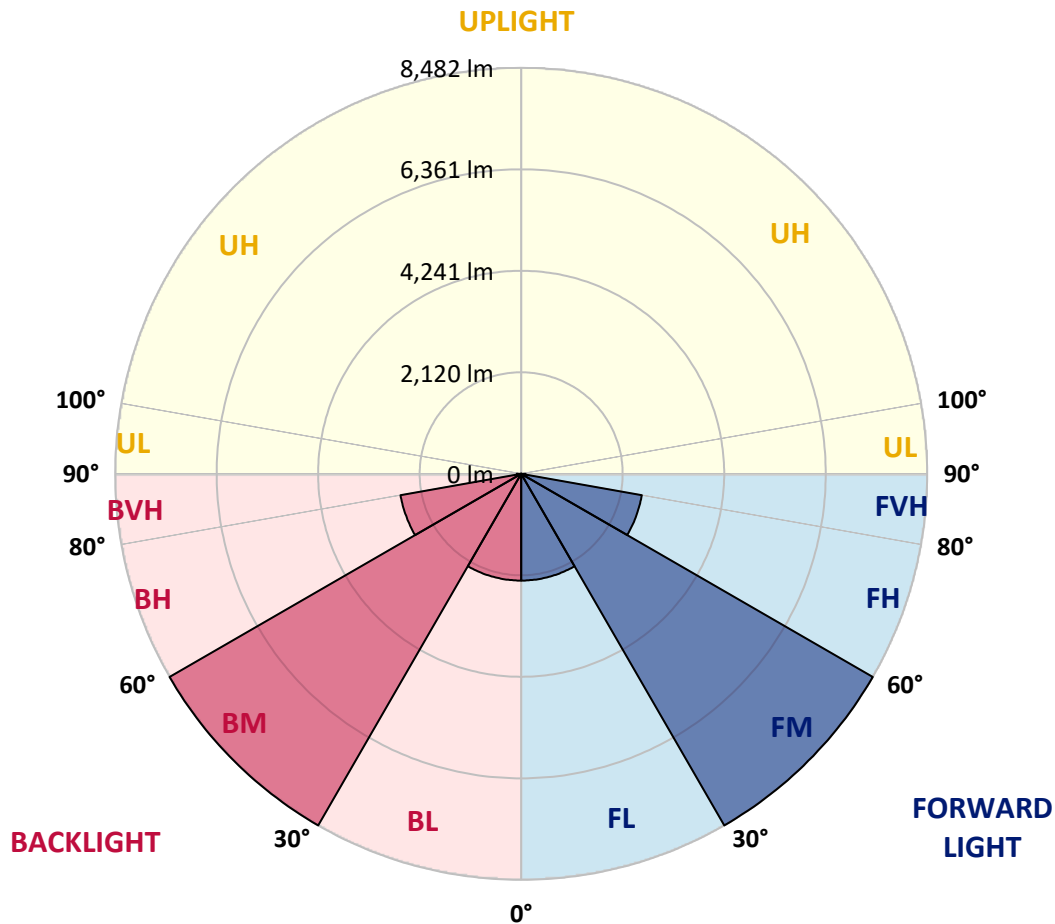
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2229.7	8.3			
FM	(30°-60°)	8481.5	31.7			
FH	(60°-80°)	2559.3	9.6			G2/5000
FVH	(80°-90°)	88.9	0.3			G1/100
BL	(0°-30°)	2229.7	8.3	B3/2500		
BM	(30°-60°)	8481.5	31.7	B4/8500		
BH	(60°-80°)	2559.3	9.6	B4/5000		G2/5000
BVH	(80°-90°)	88.9	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°	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8
2.5°	5130.0	5167.7	5140.3	5164.3	5160.8	5150.6	5133.4	5123.2	5109.5	5130.0	5095.8
5°	5109.5	5140.3	5171.1	5130.0	5130.0	5109.5	5099.2	5078.6	5078.6	5075.2	5071.8
7.5°	5143.7	5112.9	5099.2	5106.0	5112.9	5068.4	5099.2	5058.1	5023.9	5047.8	5075.2
10°	5112.9	5126.6	5075.2	5099.2	5061.5	5068.4	5047.8	5075.2	5037.5	5037.5	5037.5
12.5°	5143.7	5106.0	5123.2	5106.0	5095.8	5037.5	5064.9	5034.1	5030.7	5064.9	5034.1
15°	5205.4	5143.7	5130.0	5095.8	5106.0	5106.0	5078.6	5082.1	5044.4	5064.9	5071.8
17.5°	5184.8	5150.6	5140.3	5099.2	5133.4	5143.7	5092.3	5058.1	5082.1	5078.6	5075.2
20°	5201.9	5215.6	5205.4	5212.2	5225.9	5198.5	5150.6	5102.6	5071.8	5116.3	5112.9
22.5°	5311.5	5297.8	5291.0	5284.1	5308.1	5335.5	5270.4	5195.1	5195.1	5225.9	5239.6
25°	5400.6	5397.1	5393.7	5424.5	5506.7	5506.7	5424.5	5328.6	5304.7	5325.2	5308.1
27.5°	5530.7	5568.4	5554.7	5609.5	5729.3	5756.7	5647.1	5534.1	5469.0	5445.1	5475.9
30°	5828.6	5784.1	5794.4	5852.6	5958.8	6047.8	5880.0	5760.1	5671.1	5667.7	5681.4
32.5°	6027.3	6061.5	6092.3	6147.1	6314.9	6383.4	6181.4	5986.2	5931.4	5900.5	5910.8
35°	6424.5	6393.7	6386.8	6441.6	6609.4	6722.4	6469.0	6297.8	6225.9	6294.4	6294.4
37.5°	6801.2	6715.6	6650.5	6722.4	6876.5	6890.2	6674.5	6582.0	6544.4	6623.1	6619.7
40°	6979.3	6972.4	6821.8	6862.8	7068.3	7088.9	6886.8	6777.2	6770.4	6873.1	6975.9
42.5°	7164.2	7099.1	6948.5	6975.9	7102.6	7109.4	6917.6	6886.8	6962.2	7061.5	7068.3
45°	7195.0	7140.2	7044.3	6975.9	7068.3	7088.9	6975.9	6996.4	7003.3	7123.1	7123.1
47.5°	7256.7	7249.8	7195.0	7143.7	7160.8	7143.7	7071.7	7102.6	7205.3	7263.5	7236.1
50°	7427.9	7356.0	7410.8	7366.3	7369.7	7417.6	7352.6	7383.4	7362.8	7311.5	7277.2
52.5°	7804.6	7770.4	7818.3	7849.1	7883.4	7993.0	7917.6	7753.2	7599.1	7462.1	7458.7
55°	8356.0	8379.9	8472.4	8629.9	8763.5	8938.1	8575.1	8181.3	7934.7	7719.0	7732.7
57.5°	8876.5	8859.4	8986.1	9345.7	9736.1	9825.1	9112.8	8551.2	8150.5	8013.5	7955.3
59°	8458.7	8540.9	8828.6	9229.2	9842.2	9972.4	9040.9	8249.8	7825.2	7547.8	7595.7
60°	7801.2	7832.0	8088.8	8647.0	9475.8	9698.4	8558.0	7784.1	7219.0	7058.0	7130.0
62.5°	5513.6	5489.6	5674.5	6130.0	6873.1	7174.5	6362.9	5818.4	5462.2	5284.1	5325.2
65°	2931.4	3041.0	3116.4	3400.6	3794.4	4112.9	3777.3	3541.0	3342.4	3195.1	3191.7
67.5°	1979.4	1965.7	1982.8	2047.9	2181.5	2270.5	2263.6	2143.8	2126.7	2099.3	2130.1
70°	1667.8	1660.9	1630.1	1630.1	1657.5	1678.0	1702.0	1715.7	1743.1	1777.4	1773.9
72.5°	1352.7	1335.6	1315.0	1304.8	1339.0	1349.3	1380.1	1393.8	1417.8	1414.3	1445.2
75°	893.8	893.8	917.8	945.2	955.5	976.0	979.4	1020.5	1020.5	1027.4	1000.0
77.5°	500.0	486.3	503.4	530.8	554.8	592.5	630.1	660.9	678.1	671.2	671.2
80°	291.1	291.1	308.2	339.0	369.9	404.1	431.5	455.5	472.6	465.7	452.0
82.5°	181.5	181.5	198.6	229.4	253.4	274.0	311.6	342.5	363.0	356.2	339.0
85°	92.5	92.5	113.0	133.6	164.4	178.1	174.7	161.0	157.5	140.4	140.4
87.5°	24.0	24.0	34.2	37.7	30.8	34.2	34.2	34.2	34.2	34.2	37.7
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)