

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: P534184

Luminaire Tested: **GALN-SA9C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44378 lumens
Efficiency: N/A
Efficacy: 92.3 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): 481
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

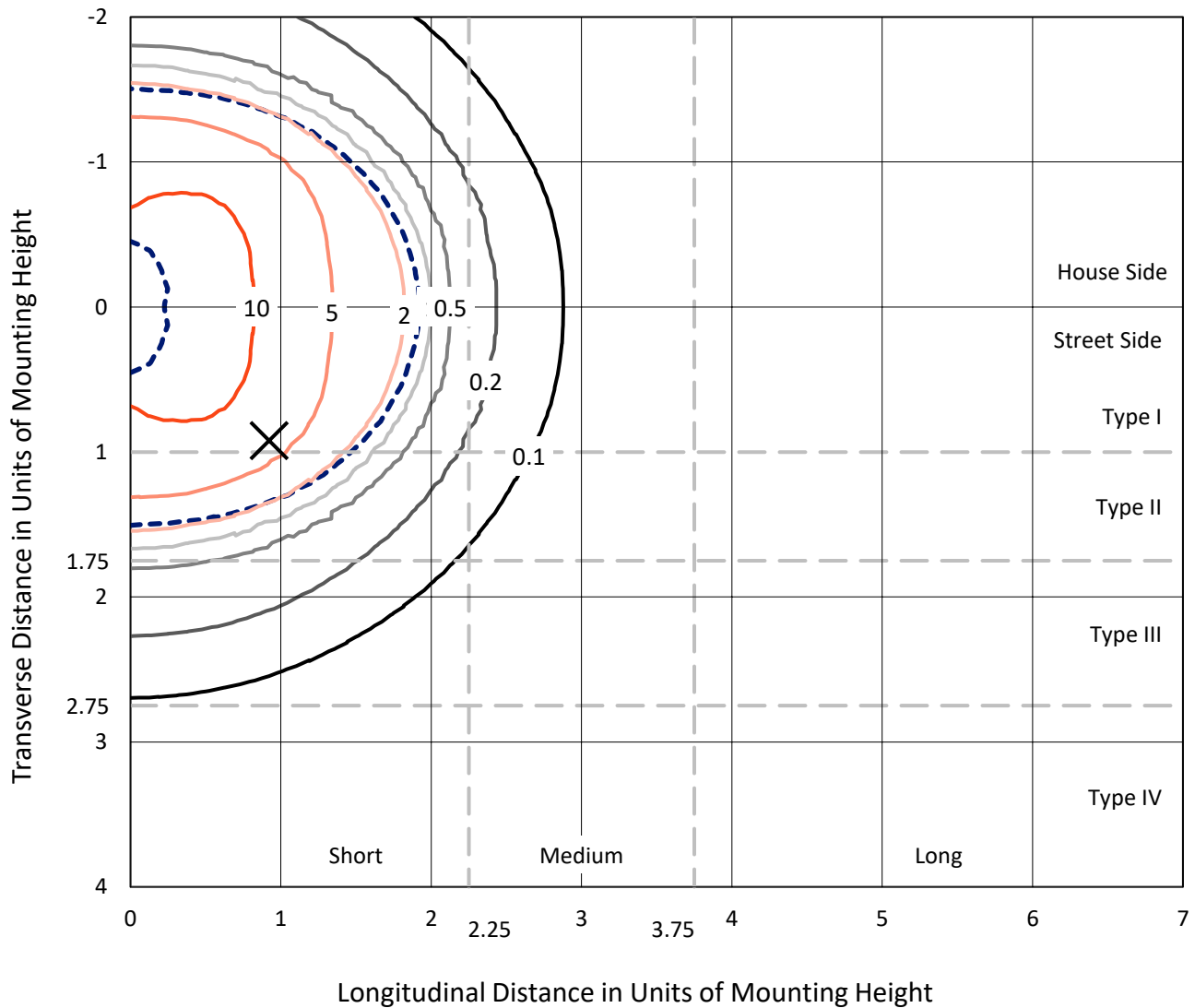


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

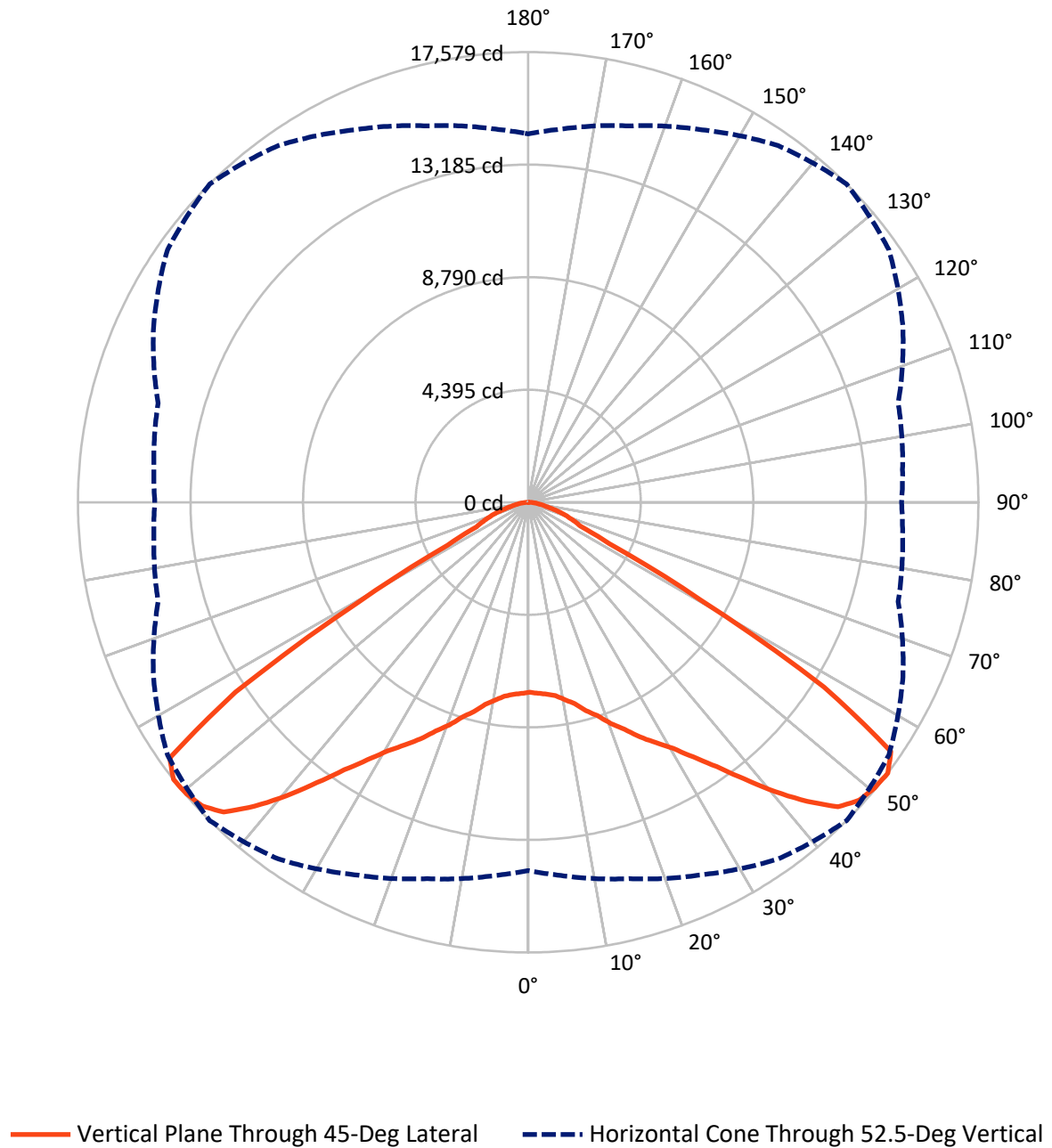


Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22189.0	0.0	22189.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22189.0	0.0	22189.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44378.0	0.0	44378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.8	1.6
10°-20°	2394.9	5.4
20°-30°	4559.5	10.3
30°-40°	7829.1	17.6
40°-50°	12033.5	27.1
50°-60°	12219.8	27.5
60°-70°	3405.5	7.7
70°-80°	1004.6	2.3
80°-90°	202.3	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°	44378.0	100.0
0°-180°	44378.0	100.0

Coefficient of Utilization



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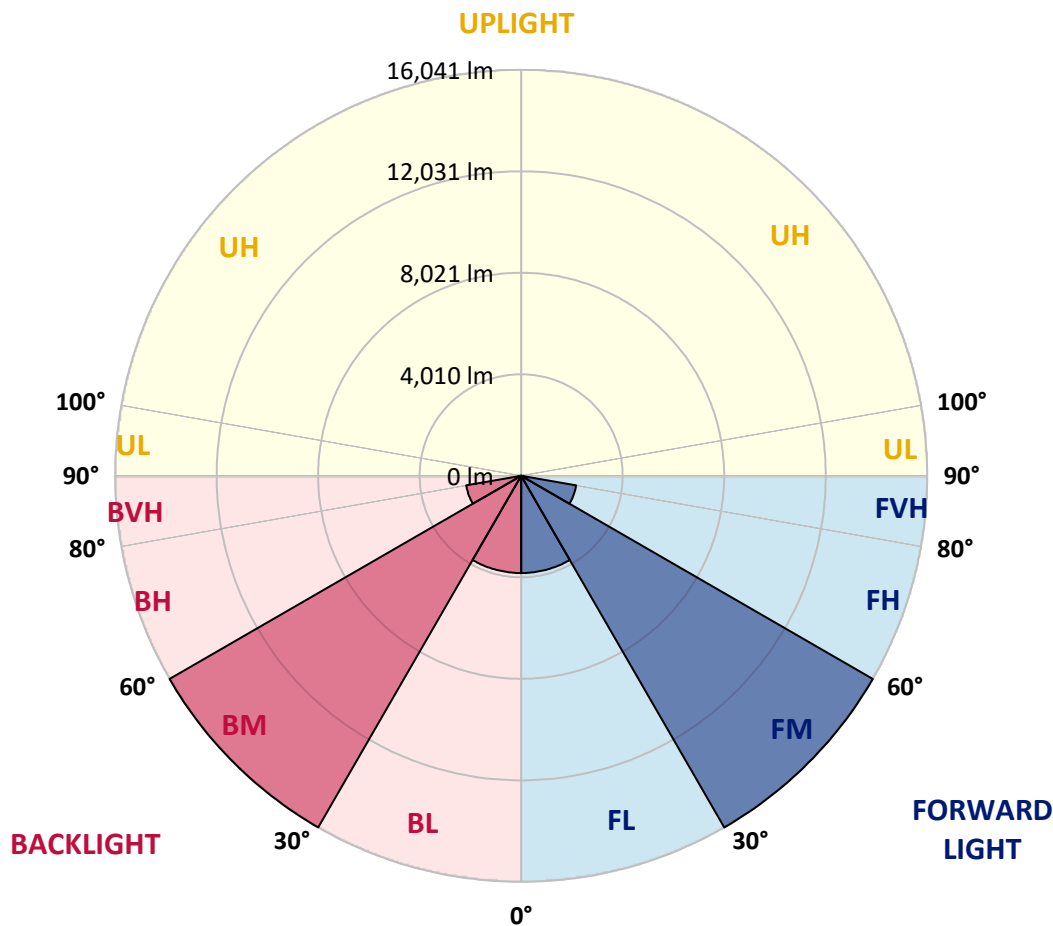
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3841.6	8.7			
FM	(30°-60°)	16041.2	36.1			
FH	(60°-80°)	2205.0	5.0			G2/5000
FVH	(80°-90°)	101.2	0.2			G2/225
BL	(0°-30°)	3841.6	8.7	B4/5000		
BM	(30°-60°)	16041.2	36.1	B5		
BH	(60°-80°)	2205.0	5.0	B3/2500		G2/5000
BVH	(80°-90°)	101.2	0.2			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°	7418.4	7418.4	7418.4	7418.4	7418.4	7418.4	7418.4	7418.4	7418.4	7418.4	7418.4
2.5°	7434.9	7357.8	7385.3	7401.8	7473.4	7467.9	7451.4	7473.4	7495.5	7501.0	7490.0
5°	7429.4	7374.3	7396.3	7412.9	7484.5	7523.0	7512.0	7605.6	7671.7	7655.2	7737.8
7.5°	7385.3	7418.4	7390.8	7473.4	7534.0	7627.6	7726.8	7814.9	7897.5	7991.1	8007.7
10°	7484.5	7484.5	7534.0	7600.1	7759.8	7831.4	7974.6	8101.3	8261.0	8371.1	8327.1
12.5°	7589.1	7605.6	7605.6	7776.3	7908.5	8068.2	8200.4	8371.1	8596.9	8729.1	8795.2
15°	7693.7	7704.7	7759.8	7991.1	8189.4	8442.7	8563.9	8718.1	8844.8	9092.6	9098.1
17.5°	7787.4	7847.9	8013.2	8272.0	8519.8	8762.2	8954.9	9114.6	9224.8	9323.9	9301.9
20°	8139.8	8183.9	8354.6	8613.5	8982.4	9219.3	9285.4	9312.9	9384.5	9582.7	9522.2
22.5°	8481.3	8497.8	8657.5	9054.0	9312.9	9626.8	9698.4	9681.9	9709.4	9759.0	9847.1
25°	8833.8	8861.3	9081.6	9417.5	9781.0	10155.5	10216.1	10089.4	10050.9	10105.9	10111.4
27.5°	9285.4	9290.9	9571.7	9863.6	10276.7	10629.1	10722.8	10623.6	10441.9	10485.9	10557.5
30°	9858.1	9819.6	10100.4	10519.0	10954.1	11152.3	11312.0	11262.5	11064.2	11025.7	10965.1
32.5°	10519.0	10530.0	10783.3	11240.5	11526.8	11857.3	12028.0	11945.4	11818.7	11752.6	11791.2
35°	11449.7	11499.3	11670.0	12050.0	12512.6	12677.9	12947.7	12771.5	12441.0	12523.7	12595.3
37.5°	12215.2	12358.4	12677.9	13129.5	13404.8	13707.7	13806.9	13570.1	13327.7	13228.6	13465.4
40°	13388.3	13344.2	13696.7	14148.3	14555.9	14858.8	14732.1	14495.3	13895.0	13900.5	13966.6
42.5°	14396.1	14418.2	14688.0	15227.8	15784.0	15971.2	15569.2	14990.9	14324.6	14253.0	14396.1
45°	15244.3	15332.4	15486.6	16208.1	16753.3	16957.1	16213.6	15530.7	14638.5	14341.1	14577.9
47.5°	15547.2	15690.4	16026.3	16687.2	17226.9	17392.1	16797.3	15817.0	14930.4	14445.7	14572.4
50°	15591.2	15541.7	16092.4	16698.2	17171.8	17529.8	17006.6	16026.3	14858.8	14605.4	14566.9
52.5°	14385.1	14627.5	15216.7	16048.3	17006.6	17579.4	17193.9	16142.0	14957.9	14671.5	14577.9
55°	11642.5	11356.1	12430.0	13828.9	15591.2	17182.9	17127.8	16202.6	15018.5	14781.7	14655.0
57.5°	6498.6	6581.3	7187.1	8707.1	10981.6	13625.1	15227.8	15563.7	14990.9	14853.3	14919.3
60°	3007.0	3034.5	3293.4	4003.8	5413.7	7726.8	9836.1	11978.4	12964.2	13162.5	13162.5
62.5°	2241.5	2230.5	2296.6	2423.2	2720.6	3552.2	4741.8	6443.6	7798.4	8745.6	8993.5
65°	2026.7	2021.2	2054.2	2098.3	2120.3	2236.0	2500.3	3023.5	3464.1	3717.4	3673.4
67.5°	1773.4	1767.9	1778.9	1806.4	1845.0	1905.5	1971.6	2081.8	2236.0	2225.0	2197.4
70°	1431.9	1431.9	1448.4	1470.5	1514.5	1586.1	1663.2	1740.3	1872.5	1900.0	1894.5
72.5°	1057.4	1040.9	1073.9	1118.0	1162.0	1250.2	1332.8	1404.4	1498.0	1525.5	1514.5
75°	671.9	682.9	704.9	754.5	831.6	892.2	980.3	1040.9	1101.5	1123.5	1129.0
77.5°	374.5	385.5	424.1	484.6	561.7	627.8	704.9	754.5	793.1	798.6	804.1
80°	225.8	231.3	269.9	324.9	391.0	462.6	523.2	572.8	605.8	589.3	583.8
82.5°	137.7	143.2	176.2	225.8	280.9	335.9	402.0	446.1	479.1	457.1	435.1
85°	71.6	77.1	104.6	137.7	181.7	209.3	209.3	187.2	181.7	170.7	165.2
87.5°	22.0	22.0	27.5	33.0	27.5	33.0	38.6	44.1	44.1	49.6	44.1
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)