

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: P533248

Luminaire Tested: **GALN-SA8C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533248
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-SA8C-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 39529 lumens
Efficiency: N/A
Efficacy: 92.1 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): 429
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



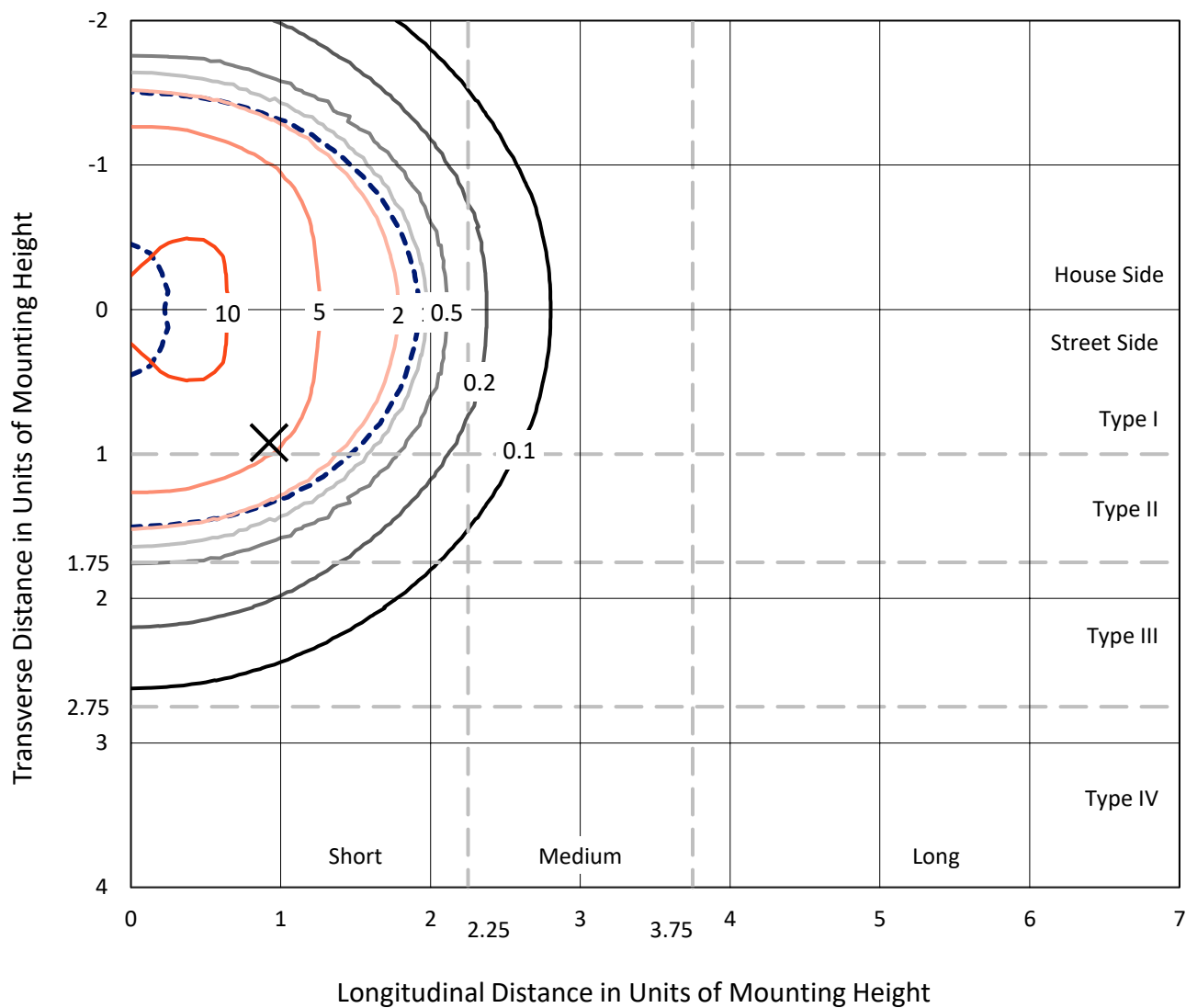
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

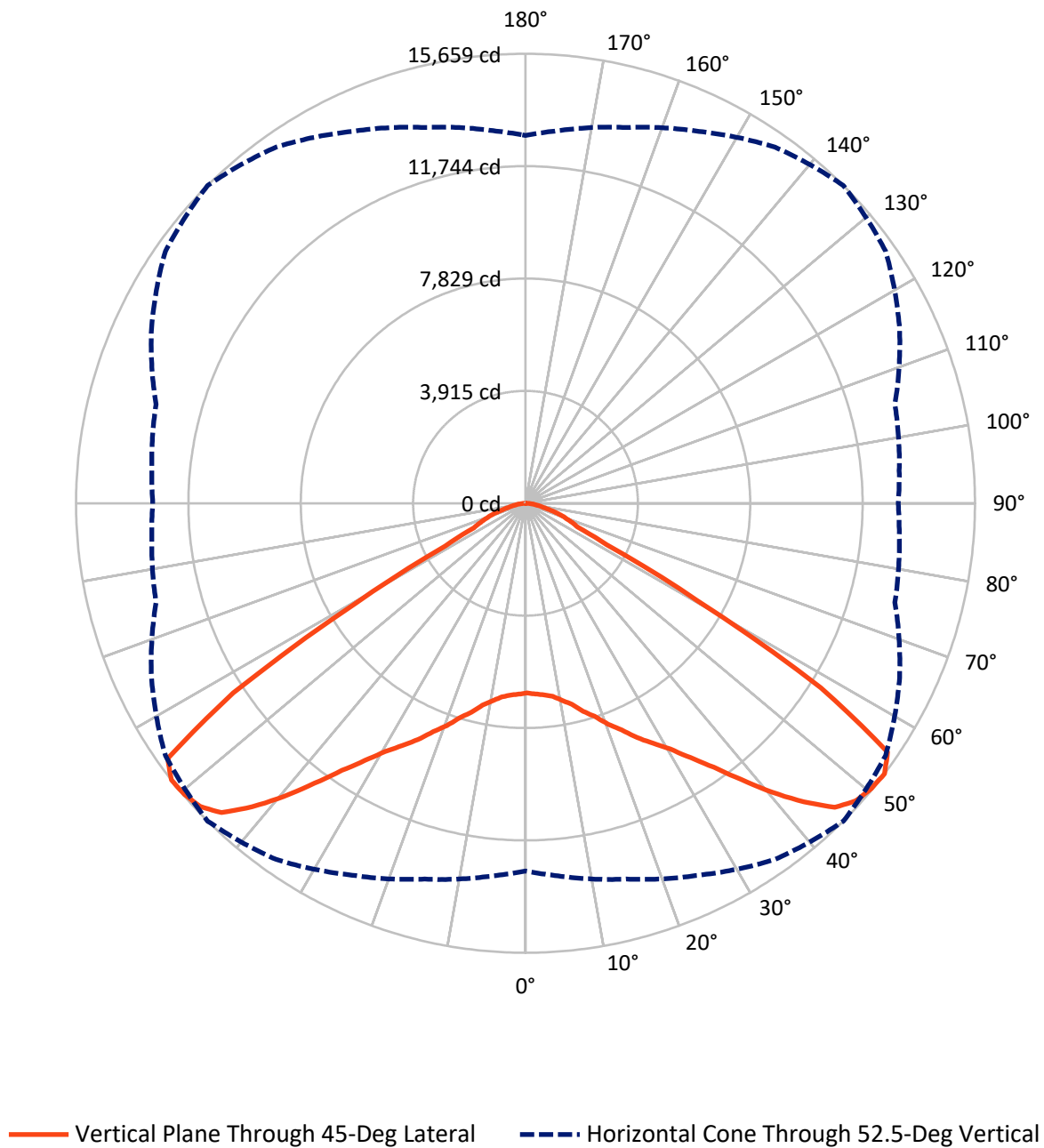


Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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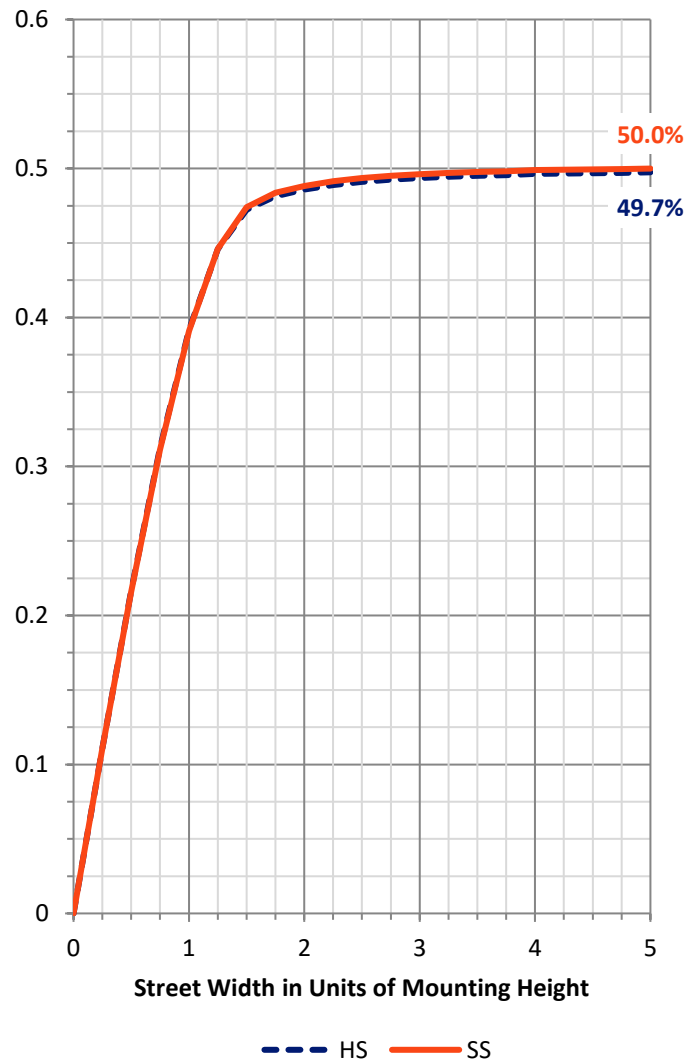
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19764.5	0.0	19764.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19764.5	0.0	19764.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39529.0	0.0	39529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.2	1.6
10°-20°	2133.2	5.4
20°-30°	4061.3	10.3
30°-40°	6973.6	17.6
40°-50°	10718.6	27.1
50°-60°	10884.6	27.5
60°-70°	3033.4	7.7
70°-80°	894.8	2.3
80°-90°	180.2	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°	39529.0	100.0
0°-180°	39529.0	100.0

Coefficient of Utilization



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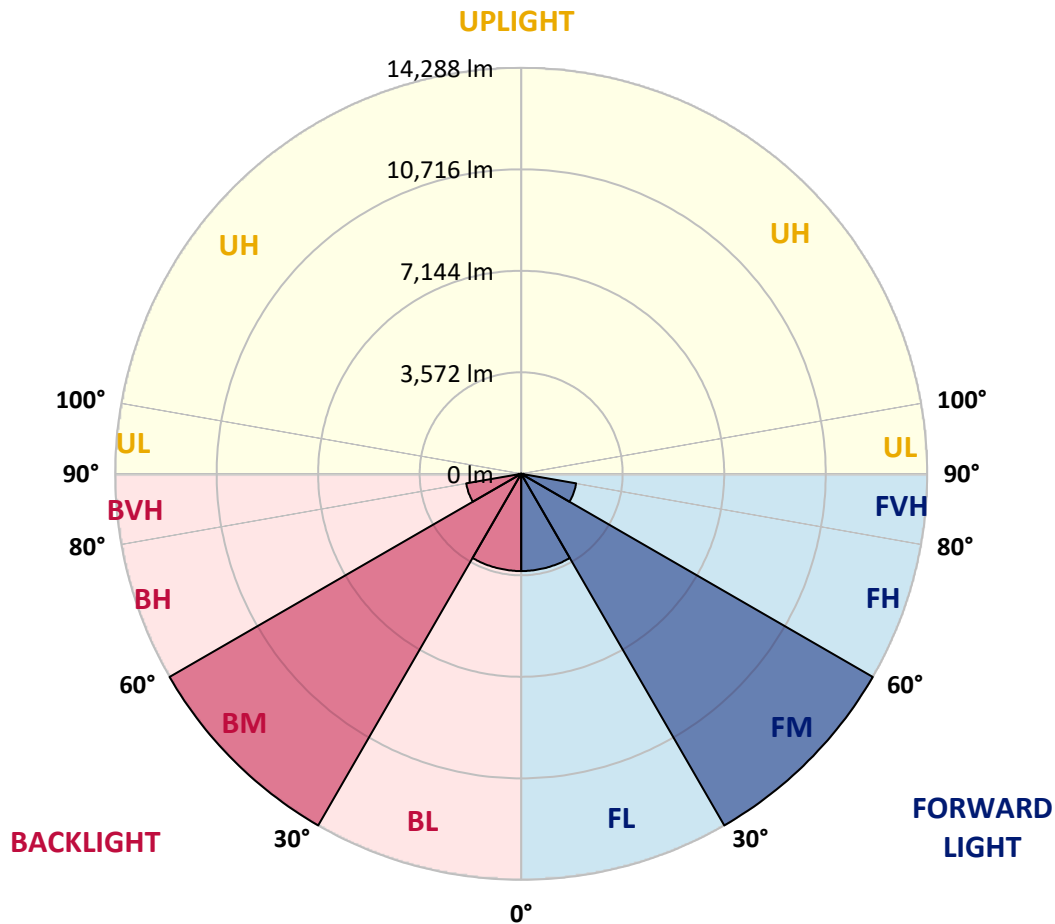
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3421.9	8.7			
FM	(30°-60°)	14288.4	36.1			
FH	(60°-80°)	1964.1	5.0			G2/5000
FVH	(80°-90°)	90.1	0.2			G1/100
BL	(0°-30°)	3421.9	8.7	B4/5000		
BM	(30°-60°)	14288.4	36.1	B5		
BH	(60°-80°)	1964.1	5.0	B3/2500		G2/5000
BVH	(80°-90°)	90.1	0.2			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°	6607.8	6607.8	6607.8	6607.8	6607.8	6607.8	6607.8	6607.8	6607.8	6607.8	6607.8
2.5°	6622.5	6553.8	6578.4	6593.1	6656.8	6651.9	6637.2	6656.8	6676.5	6681.4	6671.6
5°	6617.6	6568.5	6588.2	6602.9	6666.7	6701.0	6691.2	6774.6	6833.4	6818.7	6892.3
7.5°	6578.4	6607.8	6583.3	6656.8	6710.8	6794.2	6882.5	6961.0	7034.6	7118.0	7132.7
10°	6666.7	6666.7	6710.8	6769.7	6911.9	6975.7	7103.3	7216.1	7358.3	7456.5	7417.2
12.5°	6759.9	6774.6	6774.6	6926.7	7044.4	7186.6	7304.4	7456.5	7657.6	7775.3	7834.2
15°	6853.1	6862.9	6911.9	7118.0	7294.6	7520.2	7628.2	7765.5	7878.3	8099.1	8104.0
17.5°	6936.5	6990.4	7137.6	7368.2	7588.9	7804.8	7976.4	8118.7	8216.8	8305.1	8285.5
20°	7250.4	7289.7	7441.7	7672.3	8001.0	8211.9	8270.8	8295.3	8359.1	8535.7	8481.7
22.5°	7554.6	7569.3	7711.5	8064.7	8295.3	8574.9	8638.7	8624.0	8648.5	8692.7	8771.1
25°	7868.5	7893.1	8089.3	8388.5	8712.3	9045.9	9099.8	8987.0	8952.7	9001.7	9006.6
27.5°	8270.8	8275.7	8525.9	8785.9	9153.8	9467.7	9551.1	9462.8	9300.9	9340.2	9404.0
30°	8781.0	8746.6	8996.8	9369.6	9757.2	9933.8	10076.0	10031.9	9855.3	9820.9	9767.0
32.5°	9369.6	9379.4	9605.1	10012.3	10267.3	10561.7	10713.7	10640.2	10527.3	10468.5	10502.8
35°	10198.7	10242.8	10394.9	10733.4	11145.4	11292.6	11533.0	11376.0	11081.7	11155.3	11219.0
37.5°	10880.5	11008.1	11292.6	11694.9	11940.1	12209.9	12298.2	12087.3	11871.5	11783.2	11994.1
40°	11925.4	11886.2	12200.1	12602.4	12965.4	13235.2	13122.4	12911.4	12376.7	12381.6	12440.5
42.5°	12823.1	12842.8	13083.1	13563.9	14059.3	14226.1	13868.0	13352.9	12759.4	12695.6	12823.1
45°	13578.6	13657.1	13794.4	14437.1	14922.7	15104.2	14442.0	13833.7	13039.0	12774.1	12985.0
47.5°	13848.4	13975.9	14275.2	14863.9	15344.6	15491.8	14962.0	14088.8	13299.0	12867.3	12980.1
50°	13887.6	13843.5	14334.1	14873.7	15295.5	15614.4	15148.4	14275.2	13235.2	13009.6	12975.2
52.5°	12813.3	13029.2	13554.1	14294.8	15148.4	15658.6	15315.2	14378.2	13323.5	13068.4	12985.0
55°	10370.4	10115.3	11071.9	12317.9	13887.6	15305.4	15256.3	14432.2	13377.5	13166.5	13053.7
57.5°	5788.6	5862.1	6401.8	7755.7	9781.7	12136.4	13563.9	13863.1	13352.9	13230.3	13289.2
60°	2678.4	2703.0	2933.5	3566.3	4822.2	6882.5	8761.3	10669.6	11547.7	11724.3	11724.3
62.5°	1996.6	1986.8	2045.6	2158.4	2423.3	3164.1	4223.7	5739.5	6946.3	7790.0	8010.8
65°	1805.2	1800.3	1829.8	1869.0	1888.6	1991.7	2227.1	2693.2	3085.6	3311.3	3272.0
67.5°	1579.6	1574.7	1584.5	1609.0	1643.4	1697.3	1756.2	1854.3	1991.7	1981.8	1957.3
70°	1275.4	1275.4	1290.2	1309.8	1349.0	1412.8	1481.5	1550.2	1667.9	1692.4	1687.5
72.5°	941.9	927.2	956.6	995.8	1035.1	1113.6	1187.1	1250.9	1334.3	1358.8	1349.0
75°	598.5	608.3	627.9	672.1	740.7	794.7	873.2	927.2	981.1	1000.7	1005.6
77.5°	333.6	343.4	377.7	431.7	500.4	559.2	627.9	672.1	706.4	711.3	716.2
80°	201.1	206.0	240.4	289.4	348.3	412.1	466.0	510.2	539.6	524.9	520.0
82.5°	122.6	127.5	157.0	201.1	250.2	299.2	358.1	397.4	426.8	407.2	387.5
85°	63.8	68.7	93.2	122.6	161.9	186.4	186.4	166.8	161.9	152.1	147.2
87.5°	19.6	19.6	24.5	29.4	24.5	29.4	34.3	39.2	39.2	44.2	39.2
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)