

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: P528801

Luminaire Tested: **GALN-SA3D-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3D-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11859 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 184
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

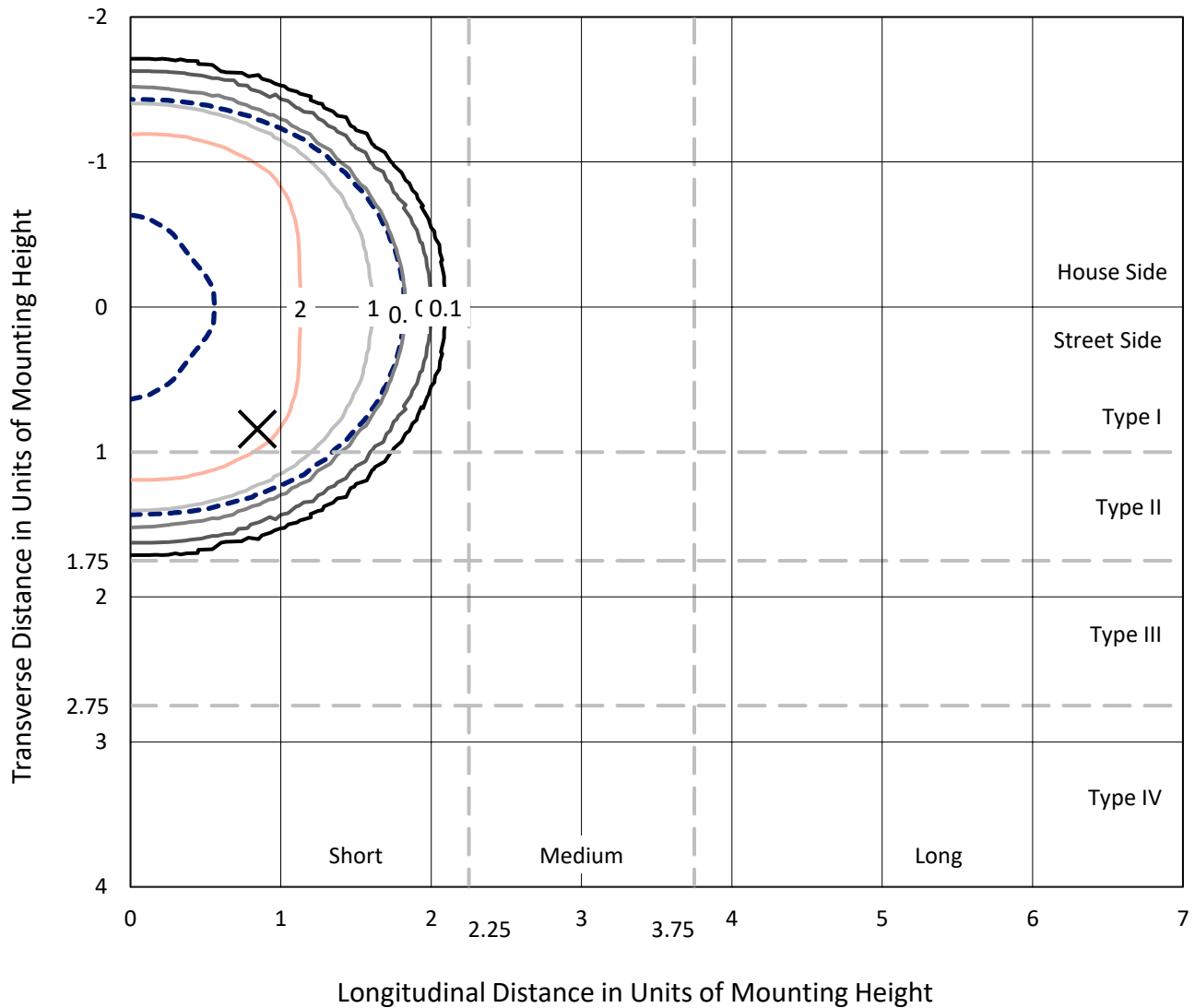


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

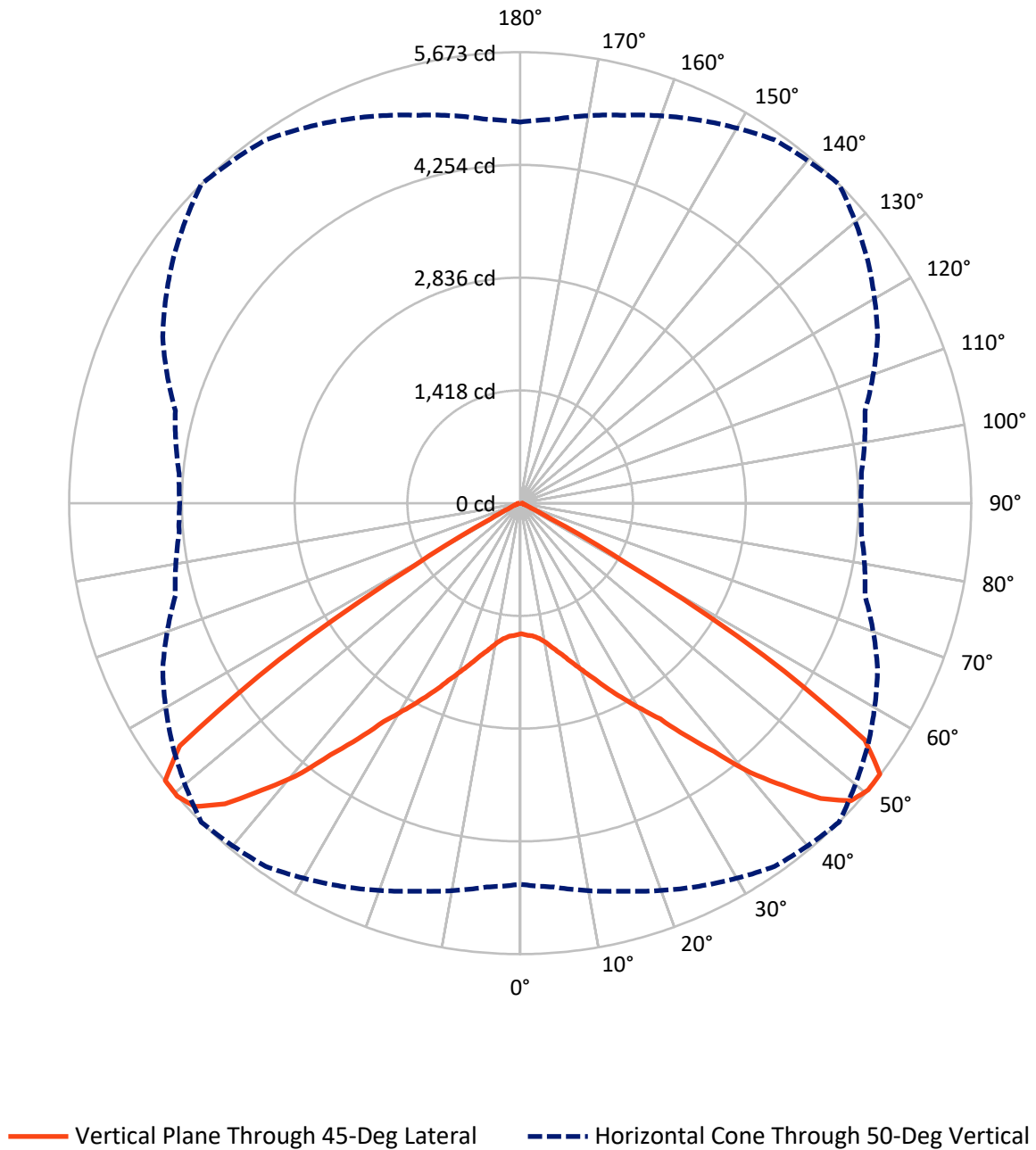


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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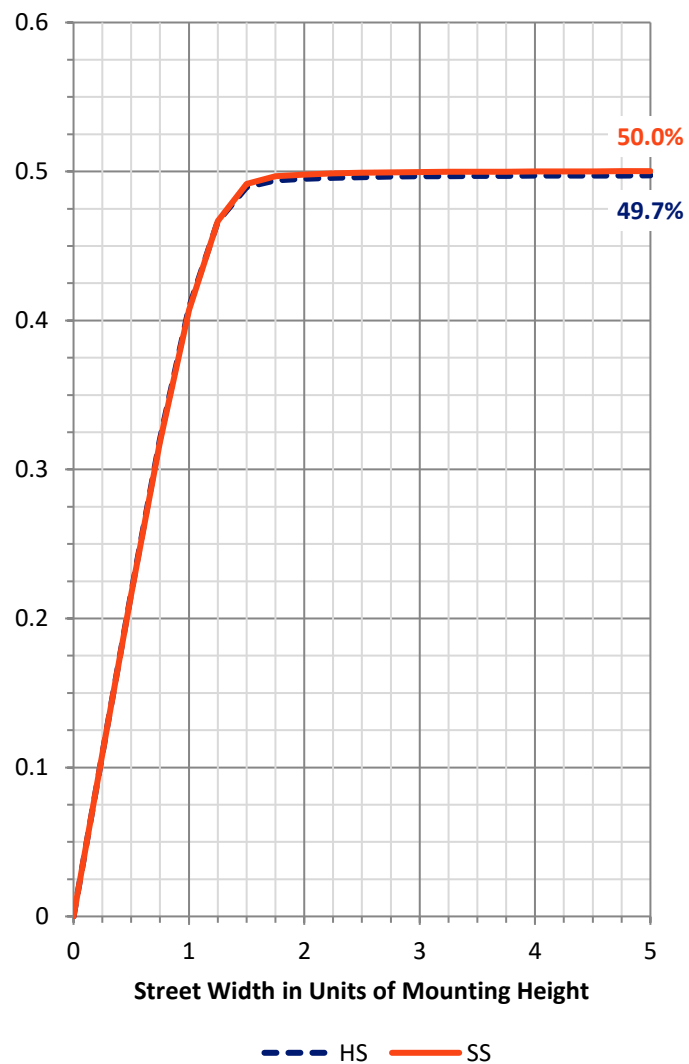
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5929.5	0.0	5929.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5929.5	0.0	5929.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11859.0	0.0	11859.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	1.4
10°-20°	563.7	4.8
20°-30°	1151.4	9.7
30°-40°	2195.7	18.5
40°-50°	3700.0	31.2
50°-60°	3528.6	29.8
60°-70°	492.6	4.2
70°-80°	47.1	0.4
80°-90°	16.3	0.1
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°	11859.0	100.0
0°-180°	11859.0	100.0

Coefficient of Utilization



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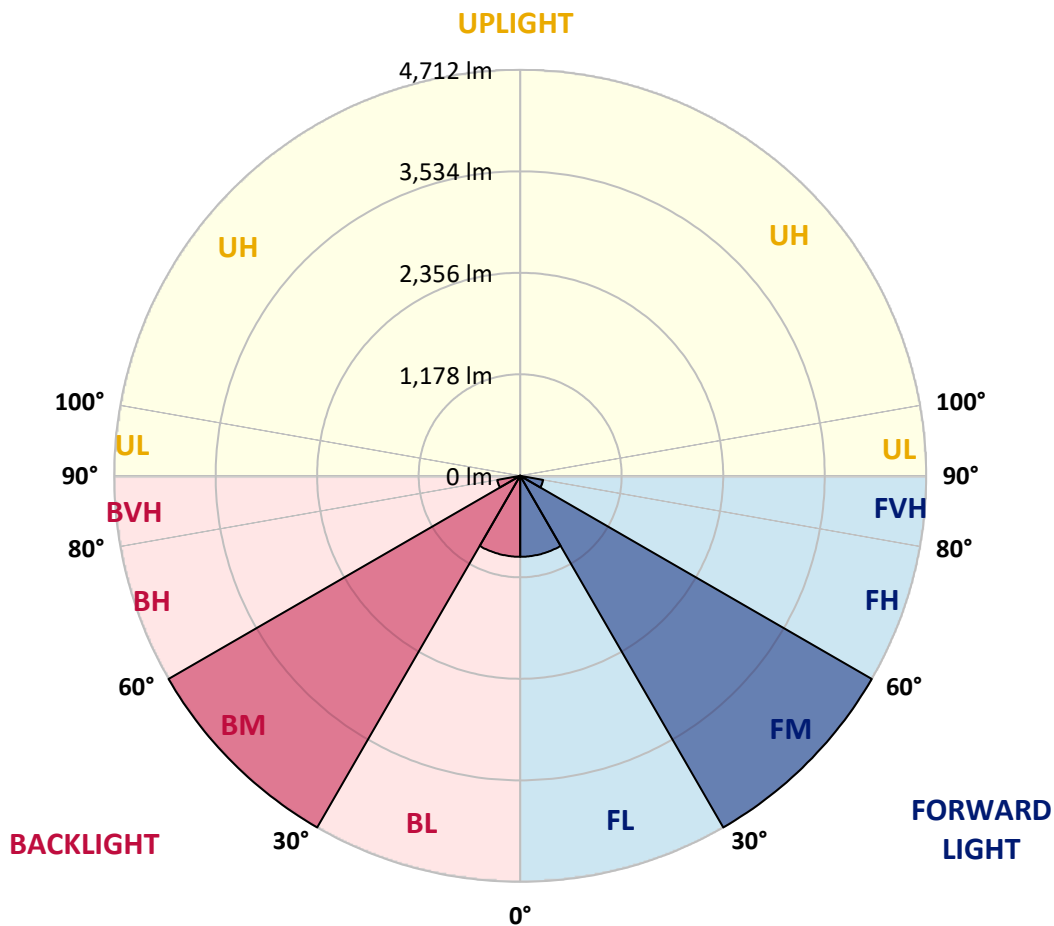
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	939.3	7.9			
FM	(30°-60°)	4712.2	39.7			
FH	(60°-80°)	269.8	2.3			G0/660
FVH	(80°-90°)	8.1	0.1			G0/10
BL	(0°-30°)	939.3	7.9	B2/1000		
BM	(30°-60°)	4712.2	39.7	B3/5000		
BH	(60°-80°)	269.8	2.3	B1/500		G0/660
BVH	(80°-90°)	8.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1
2.5°	1638.1	1638.1	1636.1	1652.1	1644.1	1662.1	1660.1	1666.1	1672.1	1670.1	1686.0
5°	1624.2	1622.2	1622.2	1640.1	1658.1	1678.0	1696.0	1708.0	1727.9	1727.9	1747.9
7.5°	1638.1	1628.2	1642.1	1650.1	1684.0	1717.9	1747.9	1771.8	1817.7	1833.7	1827.7
10°	1642.1	1654.1	1664.1	1688.0	1729.9	1781.8	1807.7	1867.6	1919.5	1955.4	1963.4
12.5°	1668.1	1686.0	1714.0	1771.8	1809.7	1877.6	1913.5	1971.3	2043.2	2083.1	2111.0
15°	1717.9	1723.9	1759.8	1833.7	1915.5	1977.3	2033.2	2075.1	2144.9	2190.8	2192.8
17.5°	1781.8	1807.7	1857.6	1927.5	2013.2	2105.0	2148.9	2194.8	2220.8	2282.6	2296.6
20°	1909.5	1913.5	1961.4	2053.2	2160.9	2244.7	2276.6	2300.6	2290.6	2354.4	2366.4
22.5°	2029.2	2033.2	2093.1	2216.8	2332.5	2404.3	2418.3	2404.3	2374.4	2420.3	2424.3
25°	2150.9	2186.8	2230.7	2354.4	2498.1	2593.9	2595.9	2558.0	2496.1	2504.1	2524.0
27.5°	2340.5	2366.4	2412.3	2526.0	2683.7	2791.4	2773.5	2727.6	2647.8	2653.7	2647.8
30°	2562.0	2585.9	2623.8	2769.5	2885.2	3002.9	3028.9	2985.0	2865.2	2839.3	2869.2
32.5°	2829.3	2863.2	2933.1	3066.8	3164.5	3236.4	3254.3	3238.4	3126.6	3116.6	3136.6
35°	3154.6	3200.4	3264.3	3382.0	3461.8	3591.5	3591.5	3537.7	3435.9	3447.9	3445.9
37.5°	3497.7	3565.6	3665.3	3785.1	3892.8	3962.6	3940.7	3894.8	3793.0	3767.1	3793.0
40°	3928.7	3962.6	4088.4	4244.0	4375.7	4455.5	4361.7	4261.9	4018.5	4056.4	4126.3
42.5°	4321.8	4375.7	4471.4	4643.0	4792.7	4858.5	4746.8	4549.3	4256.0	4226.0	4277.9
45°	4657.0	4714.9	4840.6	5086.0	5243.6	5301.5	5054.1	4734.8	4399.6	4323.8	4345.7
47.5°	4880.5	4910.4	5086.0	5319.4	5463.1	5594.8	5239.6	4862.5	4467.5	4323.8	4315.8
50°	4794.7	4846.6	5052.1	5317.5	5578.8	5672.6	5333.4	4960.3	4489.4	4305.8	4281.9
52.5°	4258.0	4347.7	4577.2	4934.4	5329.4	5664.6	5463.1	4928.4	4481.4	4323.8	4359.7
55°	2963.0	2965.0	3244.3	3771.1	4469.5	5259.6	5273.6	4964.3	4533.3	4435.5	4437.5
57.5°	1191.2	1251.0	1464.5	1993.3	2637.8	3611.5	4293.9	4605.1	4539.3	4515.3	4577.2
60°	301.3	303.3	369.1	562.7	927.8	1548.3	2248.7	3042.8	3503.7	3661.4	3683.3
62.5°	153.6	155.6	171.6	199.5	253.4	415.0	738.3	1171.2	1666.1	1917.5	1983.3
65°	125.7	125.7	135.7	149.6	151.6	159.6	191.5	273.4	397.1	450.9	456.9
67.5°	95.8	95.8	103.8	111.7	115.7	113.7	109.7	113.7	137.7	131.7	127.7
70°	59.9	61.9	65.8	73.8	77.8	79.8	81.8	85.8	97.8	101.8	97.8
72.5°	35.9	35.9	37.9	43.9	49.9	53.9	59.9	63.8	69.8	79.8	77.8
75°	16.0	16.0	20.0	25.9	31.9	37.9	43.9	49.9	53.9	59.9	61.9
77.5°	4.0	6.0	10.0	18.0	23.9	31.9	39.9	45.9	49.9	49.9	47.9
80°	2.0	2.0	8.0	14.0	25.9	33.9	43.9	47.9	53.9	49.9	43.9
82.5°	2.0	2.0	8.0	14.0	23.9	33.9	45.9	51.9	55.9	49.9	41.9
85°	0.0	2.0	6.0	12.0	20.0	23.9	20.0	14.0	8.0	8.0	6.0
87.5°	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)