

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: P528171

Luminaire Tested: **GALN-SA3B-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10628 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

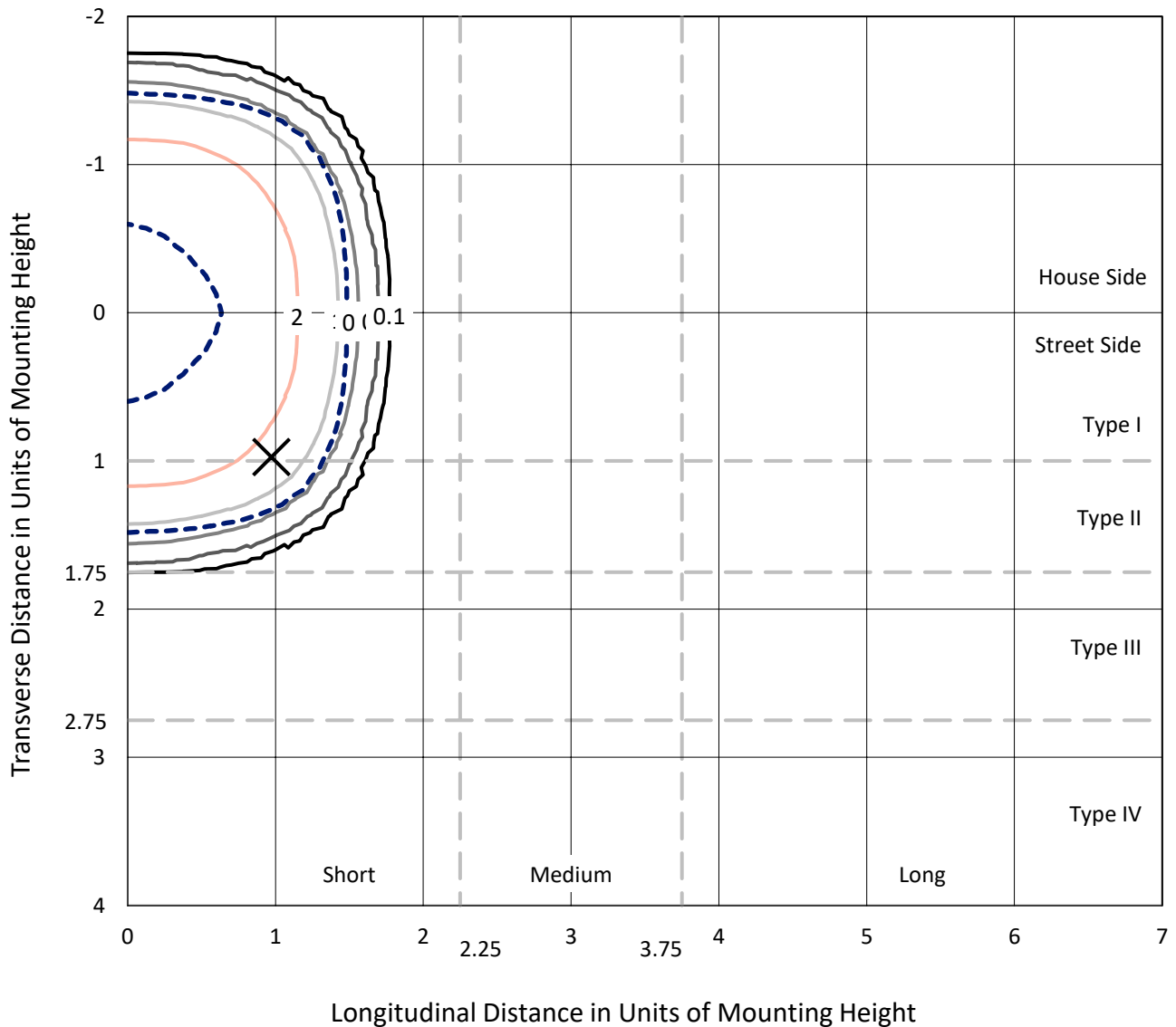
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

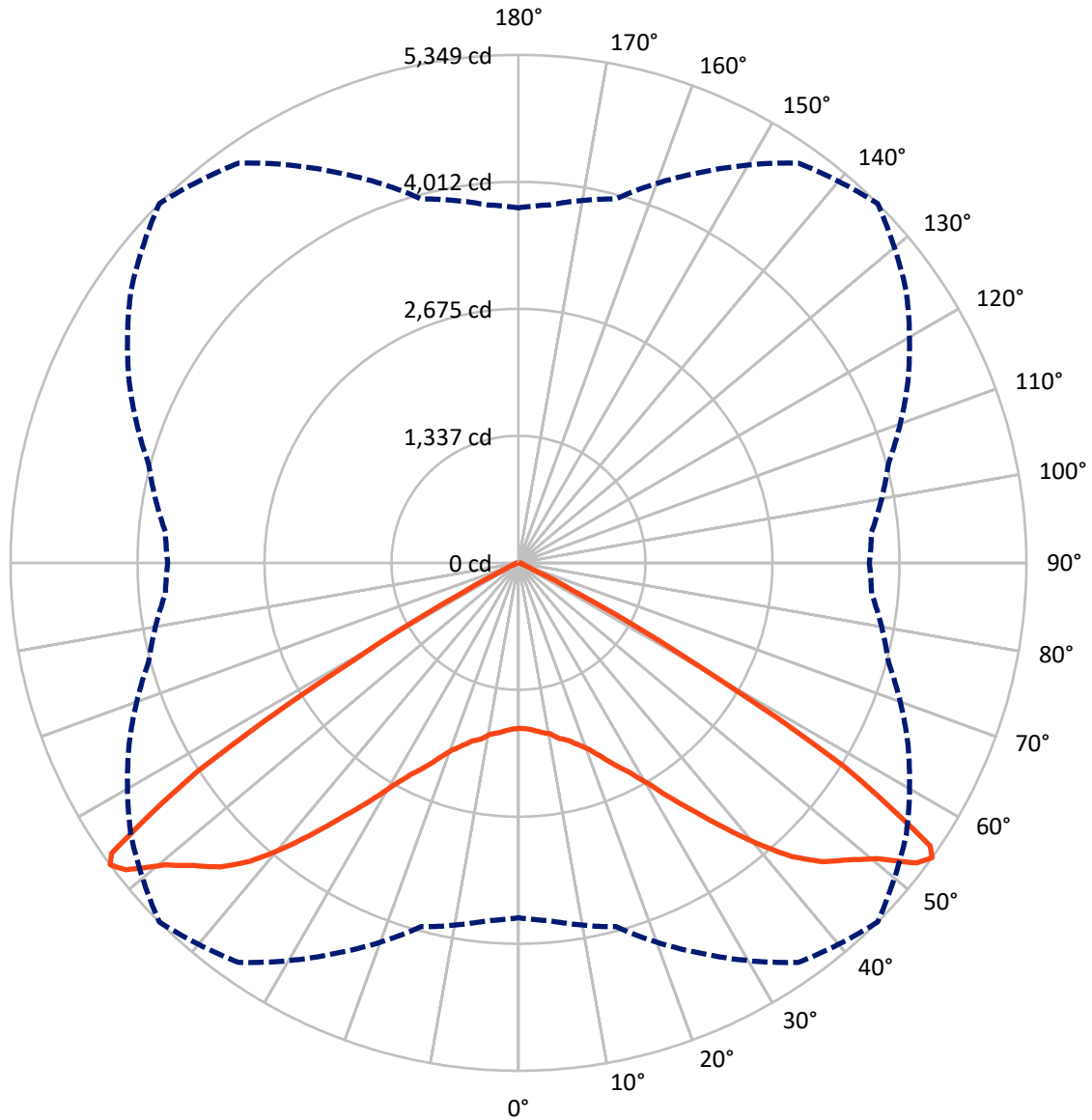
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5314.0	0.0	5314.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5314.0	0.0	5314.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10628.0	0.0	10628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	1.6
10°-20°	552.4	5.2
20°-30°	1082.6	10.2
30°-40°	1946.7	18.3
40°-50°	3332.4	31.4
50°-60°	3224.4	30.3
60°-70°	276.0	2.6
70°-80°	32.7	0.3
80°-90°	10.3	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°	10628.0	100.0
0°-180°	10628.0	100.0

Coefficient of Utilization



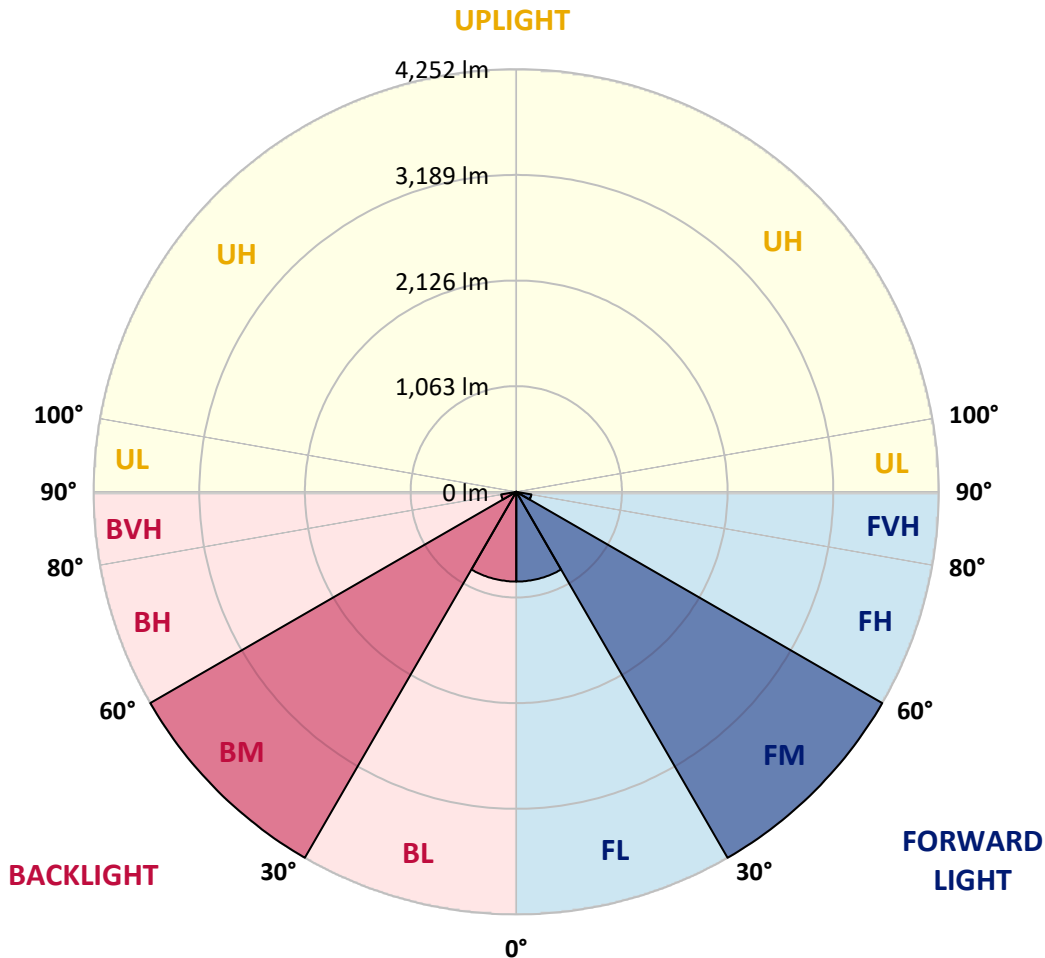
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	902.8	8.5			
FM (30°-60°)	4251.8	40.0			
FH (60°-80°)	154.4	1.5			G0/660
FVH (80°-90°)	5.1	0.0			G0/10
BL (0°-30°)	902.8	8.5	B2/1000		
BM (30°-60°)	4251.8	40.0	B3/5000		
BH (60°-80°)	154.4	1.5	B1/500		G0/660
BVH (80°-90°)	5.1	0.0			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°	1742.7	1742.7	1742.7	1742.7	1742.7	1742.7	1742.7	1742.7	1742.7	1742.7	1742.7
2.5°	1751.1	1761.2	1754.4	1759.5	1759.5	1751.1	1756.1	1735.9	1749.4	1739.3	1741.0
5°	1778.0	1776.3	1776.3	1778.0	1771.3	1774.7	1767.9	1761.2	1756.1	1749.4	1769.6
7.5°	1811.7	1811.7	1799.9	1803.3	1799.9	1805.0	1791.5	1778.0	1773.0	1767.9	1764.5
10°	1843.7	1840.3	1835.3	1850.4	1838.6	1831.9	1825.2	1816.7	1798.2	1791.5	1784.8
12.5°	1890.8	1889.1	1882.4	1897.6	1890.8	1897.6	1872.3	1850.4	1847.1	1825.2	1836.9
15°	1946.4	1961.5	1949.8	1949.8	1946.4	1938.0	1927.9	1917.8	1887.5	1879.0	1880.7
17.5°	2018.8	2013.7	2015.4	2015.4	2032.3	2010.4	1990.2	1964.9	1949.8	1944.7	1927.9
20°	2087.8	2094.6	2092.9	2104.7	2114.8	2091.2	2069.3	2065.9	2023.8	2030.6	2007.0
22.5°	2209.1	2204.0	2212.4	2220.8	2214.1	2210.7	2190.5	2165.3	2128.2	2111.4	2108.0
25°	2337.0	2328.6	2313.4	2333.7	2343.8	2358.9	2320.2	2306.7	2249.5	2224.2	2225.9
27.5°	2446.5	2458.2	2475.1	2483.5	2508.8	2503.7	2476.8	2433.0	2389.2	2360.6	2342.1
30°	2596.3	2603.0	2631.7	2643.5	2687.2	2699.0	2656.9	2606.4	2529.0	2491.9	2470.0
32.5°	2734.4	2781.5	2779.8	2838.8	2909.5	2958.3	2882.5	2805.1	2727.6	2683.9	2645.1
35°	2958.3	2949.9	2998.7	3061.0	3175.5	3231.1	3148.6	3059.3	2941.5	2870.8	2840.5
37.5°	3167.1	3170.5	3236.1	3335.5	3466.8	3552.7	3480.3	3333.8	3212.6	3121.6	3079.5
40°	3470.2	3476.9	3544.3	3657.1	3805.2	3897.8	3813.6	3665.5	3503.8	3433.1	3433.1
42.5°	3825.4	3854.1	3897.8	3995.5	4128.5	4231.2	4155.4	4039.3	3875.9	3785.0	3798.5
45°	4190.8	4204.3	4232.9	4377.7	4440.0	4490.5	4419.8	4365.9	4256.5	4145.3	4126.8
47.5°	4532.6	4537.7	4621.8	4667.3	4716.1	4674.0	4719.5	4648.8	4525.9	4418.1	4396.2
50°	4684.1	4675.7	4795.3	4933.3	4970.4	4896.3	4857.6	4810.4	4623.5	4493.9	4436.6
52.5°	4243.0	4291.8	4514.1	4898.0	5187.6	5249.9	5024.3	4807.1	4458.5	4206.0	4167.2
54°	3737.9	3783.3	3966.9	4536.0	5138.7	5349.2	4985.5	4524.2	4032.5	3732.8	3694.1
55°	3237.8	3187.3	3520.7	4101.6	4909.8	5261.7	4832.3	4158.8	3596.4	3322.0	3268.1
57.5°	1752.8	1761.2	2042.4	2591.3	3450.0	4034.2	3562.8	2813.5	2124.9	1816.7	1789.8
60°	555.6	569.1	692.0	1047.3	1648.4	1968.3	1687.1	1129.8	781.3	626.3	601.1
62.5°	173.4	180.2	197.0	293.0	451.2	644.9	505.1	303.1	225.6	207.1	210.5
65°	106.1	106.1	107.8	114.5	134.7	156.6	151.5	133.0	128.0	124.6	122.9
67.5°	69.0	67.3	70.7	75.8	79.1	80.8	85.9	90.9	89.2	85.9	85.9
70°	42.1	40.4	43.8	50.5	52.2	55.6	60.6	67.3	65.7	62.3	64.0
72.5°	23.6	23.6	25.3	30.3	35.4	38.7	43.8	48.8	50.5	48.8	48.8
75°	8.4	10.1	13.5	18.5	21.9	26.9	32.0	37.0	42.1	38.7	37.0
77.5°	3.4	3.4	6.7	11.8	16.8	21.9	30.3	35.4	38.7	35.4	32.0
80°	1.7	1.7	5.1	10.1	15.2	20.2	25.3	30.3	32.0	28.6	25.3
82.5°	1.7	1.7	5.1	10.1	15.2	18.5	26.9	30.3	33.7	30.3	25.3
85°	0.0	1.7	5.1	10.1	13.5	15.2	15.2	10.1	8.4	5.1	5.1
87.5°	0.0	0.0	1.7	0.0	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)