

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: P458779

Luminaire Tested: **GALN-SA3B-735-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16326 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

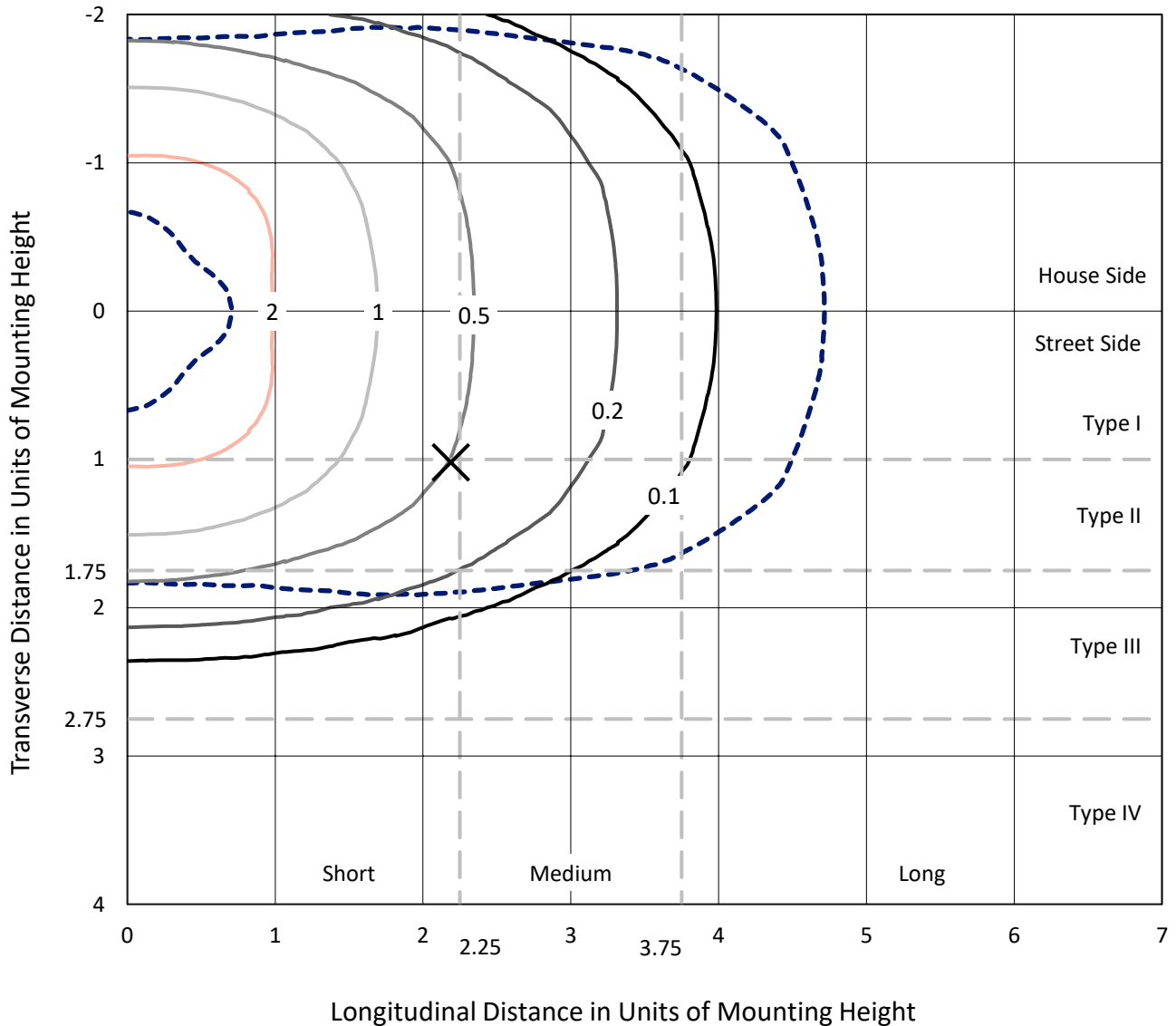
Input Watts (W): 121
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

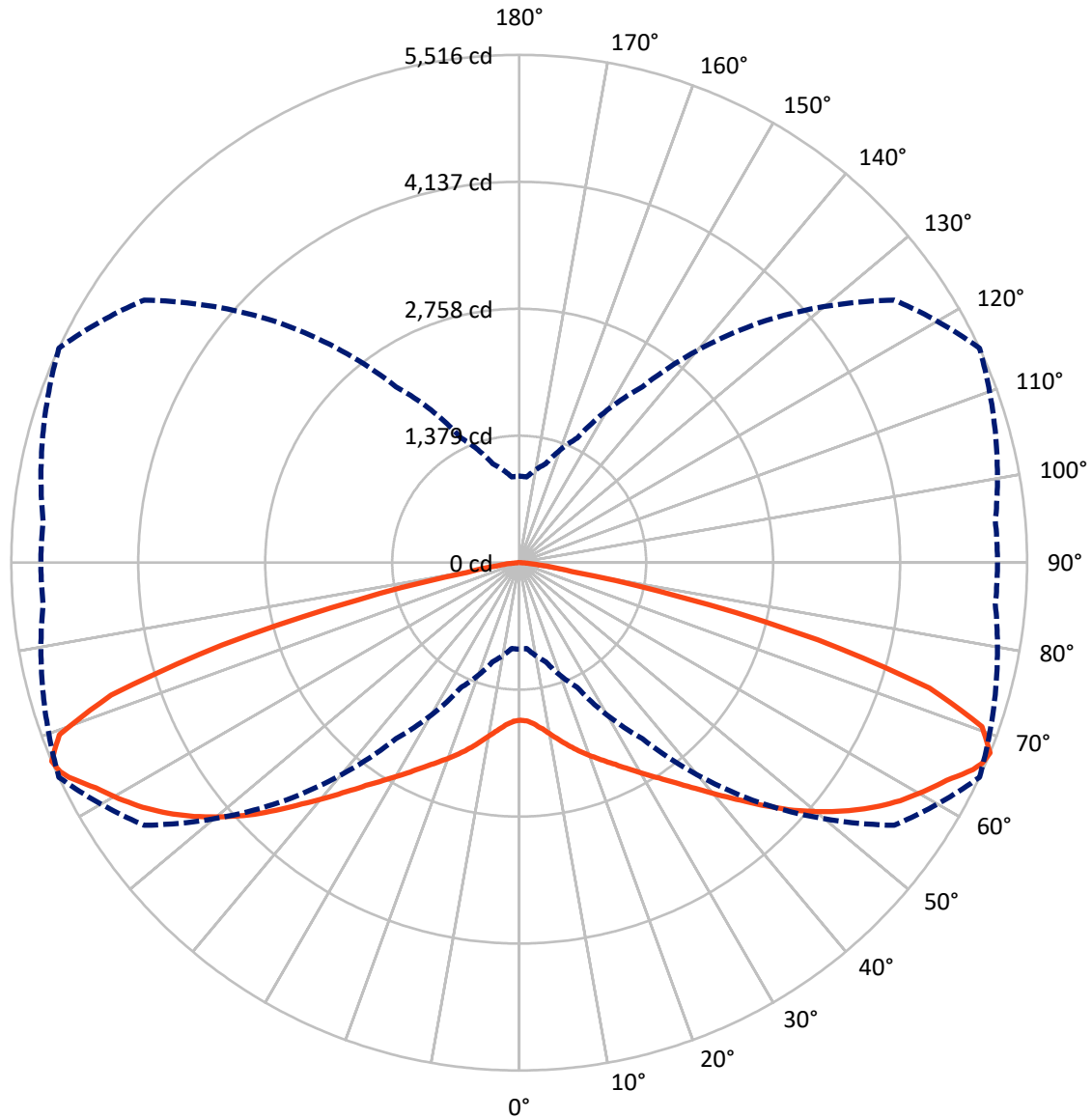
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8163.0	0.0	8163.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8163.0	0.0	8163.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16326.0	0.0	16326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	1.0
10°-20°	564.5	3.5
20°-30°	1104.1	6.8
30°-40°	1878.0	11.5
40°-50°	2972.3	18.2
50°-60°	3941.2	24.1
60°-70°	3717.8	22.8
70°-80°	1837.9	11.3
80°-90°	141.6	0.9
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°	16326.0	100.0
0°-180°	16326.0	100.0

Coefficient of Utilization



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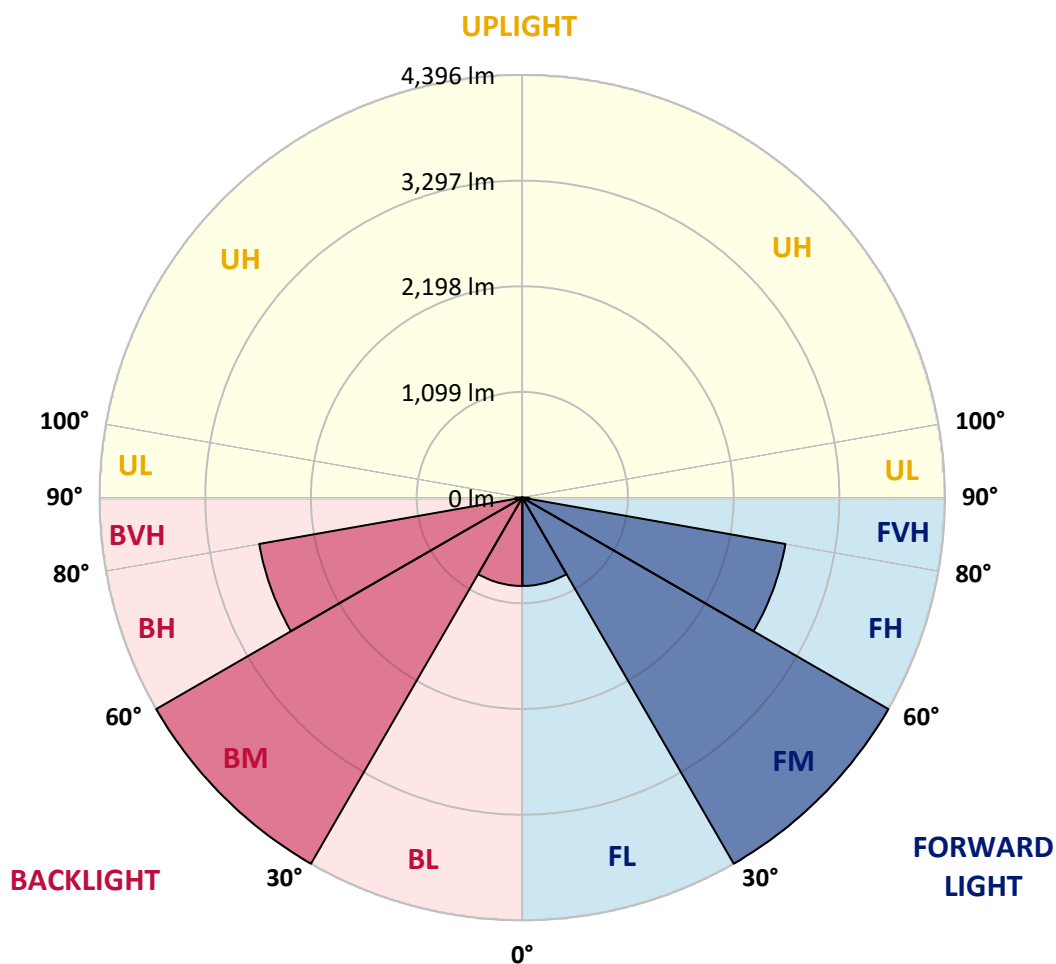
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	918.6	5.6			
FM	(30°-60°)	4395.7	26.9			
FH	(60°-80°)	2777.8	17.0			G2/5000
FVH	(80°-90°)	70.8	0.4			G1/100
BL	(0°-30°)	918.6	5.6	B2/1000		
BM	(30°-60°)	4395.7	26.9	B3/5000		
BH	(60°-80°)	2777.8	17.0	B4/5000		G4/5000
BVH	(80°-90°)	70.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0
2.5°	1701.3	1703.0	1704.8	1707.4	1710.9	1716.1	1719.6	1722.3	1729.2	1730.1	1729.2
5°	1695.1	1696.9	1701.3	1709.1	1720.5	1736.2	1748.5	1763.4	1774.7	1782.6	1780.9
7.5°	1694.3	1697.8	1704.8	1721.4	1743.2	1770.4	1798.3	1823.7	1845.6	1863.1	1860.4
10°	1708.3	1712.6	1724.0	1748.5	1782.6	1822.0	1861.3	1898.9	1930.4	1953.2	1961.0
12.5°	1731.9	1735.4	1756.4	1793.1	1842.1	1891.1	1935.7	1982.0	2025.8	2064.3	2064.3
15°	1773.0	1779.1	1805.3	1858.7	1919.1	1975.9	2021.4	2070.4	2117.6	2161.3	2174.5
17.5°	1829.8	1838.6	1877.9	1946.2	2023.1	2075.6	2118.5	2158.7	2199.8	2241.8	2247.9
20°	1907.7	1916.4	1968.9	2051.1	2142.1	2205.1	2233.9	2243.6	2263.7	2303.9	2309.2
22.5°	2013.5	2022.3	2080.9	2173.6	2275.0	2343.3	2355.5	2332.8	2327.5	2359.0	2362.5
25°	2133.4	2141.2	2208.6	2308.3	2413.2	2487.6	2484.1	2428.1	2396.6	2415.9	2421.1
27.5°	2268.1	2279.4	2347.6	2450.9	2564.6	2630.2	2619.7	2538.3	2471.0	2467.5	2469.2
30°	2440.4	2452.6	2517.3	2616.2	2728.1	2788.5	2766.6	2657.3	2553.2	2518.2	2518.2
32.5°	2622.3	2652.9	2718.5	2821.7	2909.2	2952.9	2919.7	2788.5	2650.3	2601.3	2598.7
35°	2859.3	2876.0	2940.7	3041.3	3106.9	3141.0	3077.1	2936.3	2777.1	2719.4	2711.5
37.5°	3091.1	3105.1	3180.3	3276.6	3356.2	3354.4	3267.8	3112.1	2934.6	2869.8	2864.6
40°	3328.2	3343.0	3428.8	3517.1	3596.7	3589.7	3484.7	3310.7	3121.7	3049.1	3063.1
42.5°	3533.7	3550.3	3647.4	3773.4	3845.1	3843.4	3721.8	3525.8	3329.0	3264.3	3276.6
45°	3720.9	3735.8	3848.6	3992.9	4097.9	4111.0	3978.1	3770.8	3568.7	3485.6	3489.1
47.5°	3853.0	3881.0	3999.0	4164.4	4306.9	4353.3	4223.0	4020.0	3787.4	3700.8	3706.0
50°	3953.6	3971.1	4099.6	4287.7	4467.9	4564.1	4459.1	4251.0	4006.0	3914.2	3926.5
52.5°	3965.8	3986.8	4126.8	4343.7	4574.6	4720.7	4669.1	4476.6	4229.1	4134.6	4160.9
55°	3866.1	3878.3	4045.4	4308.7	4616.6	4837.0	4850.1	4686.5	4441.6	4369.9	4387.4
57.5°	3581.8	3613.3	3825.0	4145.1	4558.8	4899.1	4985.7	4877.2	4656.8	4586.0	4614.0
60°	3115.6	3147.1	3359.7	3765.5	4341.0	4870.2	5097.7	5046.0	4851.9	4795.0	4809.9
62.5°	2441.2	2438.6	2701.9	3199.6	3908.1	4728.5	5180.7	5208.7	5044.3	4972.6	4995.3
65°	1582.3	1590.2	1844.7	2380.9	3254.7	4368.2	5199.1	5416.0	5233.2	5124.8	5141.4
66°	1272.7	1296.3	1512.3	2006.5	2921.4	4132.0	5144.0	5477.3	5291.0	5159.8	5167.6
67.5°	939.4	935.0	1112.6	1494.0	2332.8	3683.3	4971.7	5515.7	5356.6	5191.2	5194.7
70°	536.2	535.3	598.3	820.5	1371.5	2593.4	4190.6	5331.2	5489.5	5304.9	5295.3
72.5°	391.9	389.2	398.0	453.1	669.1	1309.4	2890.8	4659.4	5421.3	5286.6	5259.5
75°	328.9	327.1	325.4	332.4	375.2	593.0	1534.2	3351.8	4704.0	4962.1	4934.1
77.5°	268.5	268.5	269.4	267.7	269.4	312.3	635.9	1796.6	2864.6	3197.8	3275.7
80°	209.9	209.0	223.9	217.8	203.8	200.3	281.6	578.2	950.8	945.5	780.2
82.5°	154.8	144.3	170.6	166.2	150.4	127.7	164.4	246.7	317.5	206.4	153.1
85°	98.0	97.1	120.7	110.2	91.8	60.4	78.7	105.8	131.2	79.6	64.7
87.5°	17.5	16.6	38.5	28.0	28.0	17.5	21.9	28.9	42.9	29.7	21.9
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)