

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: P452312

Luminaire Tested: **GALN-SA3B-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452312
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-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15961 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

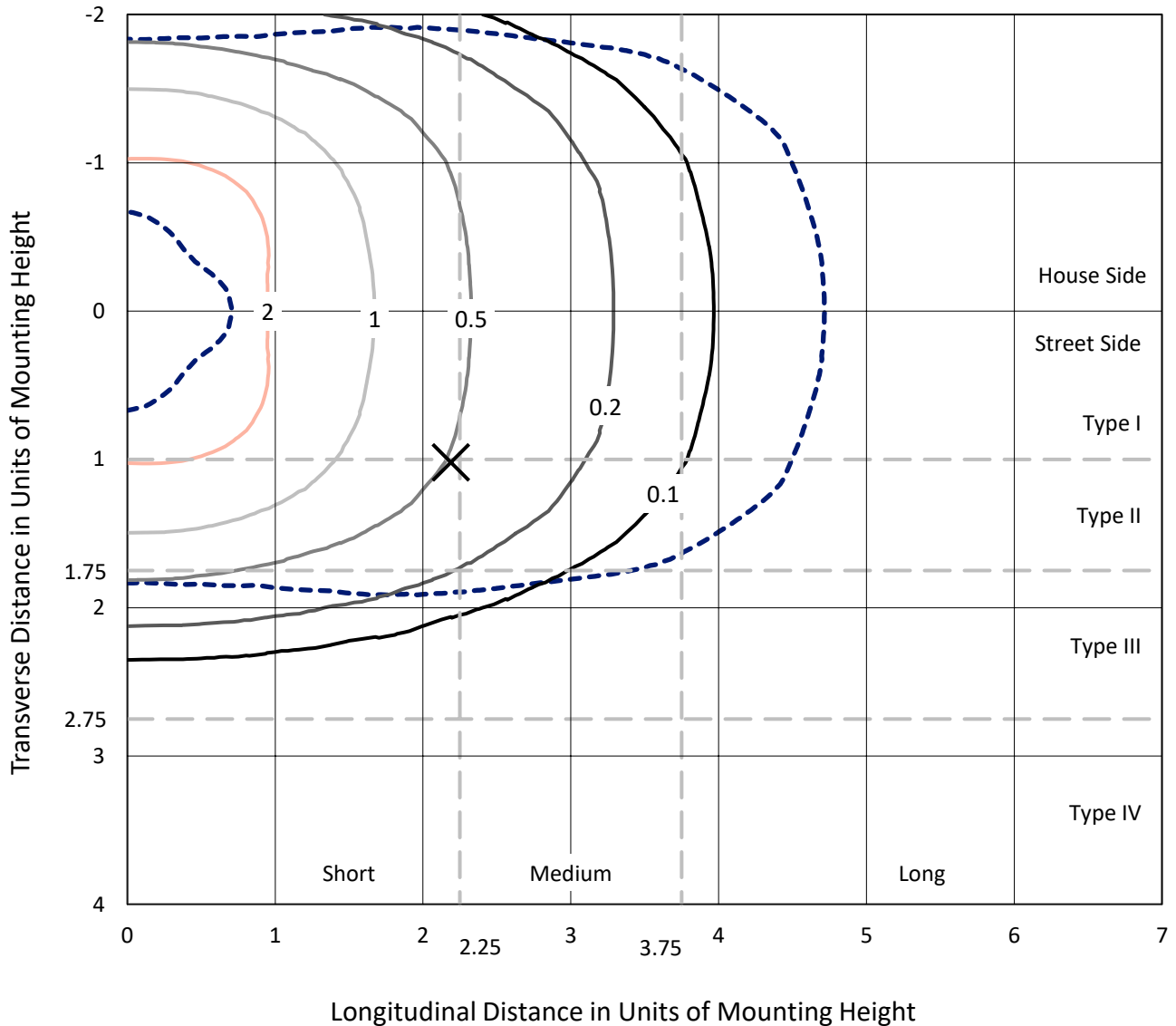
Input Watts (W): 121
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

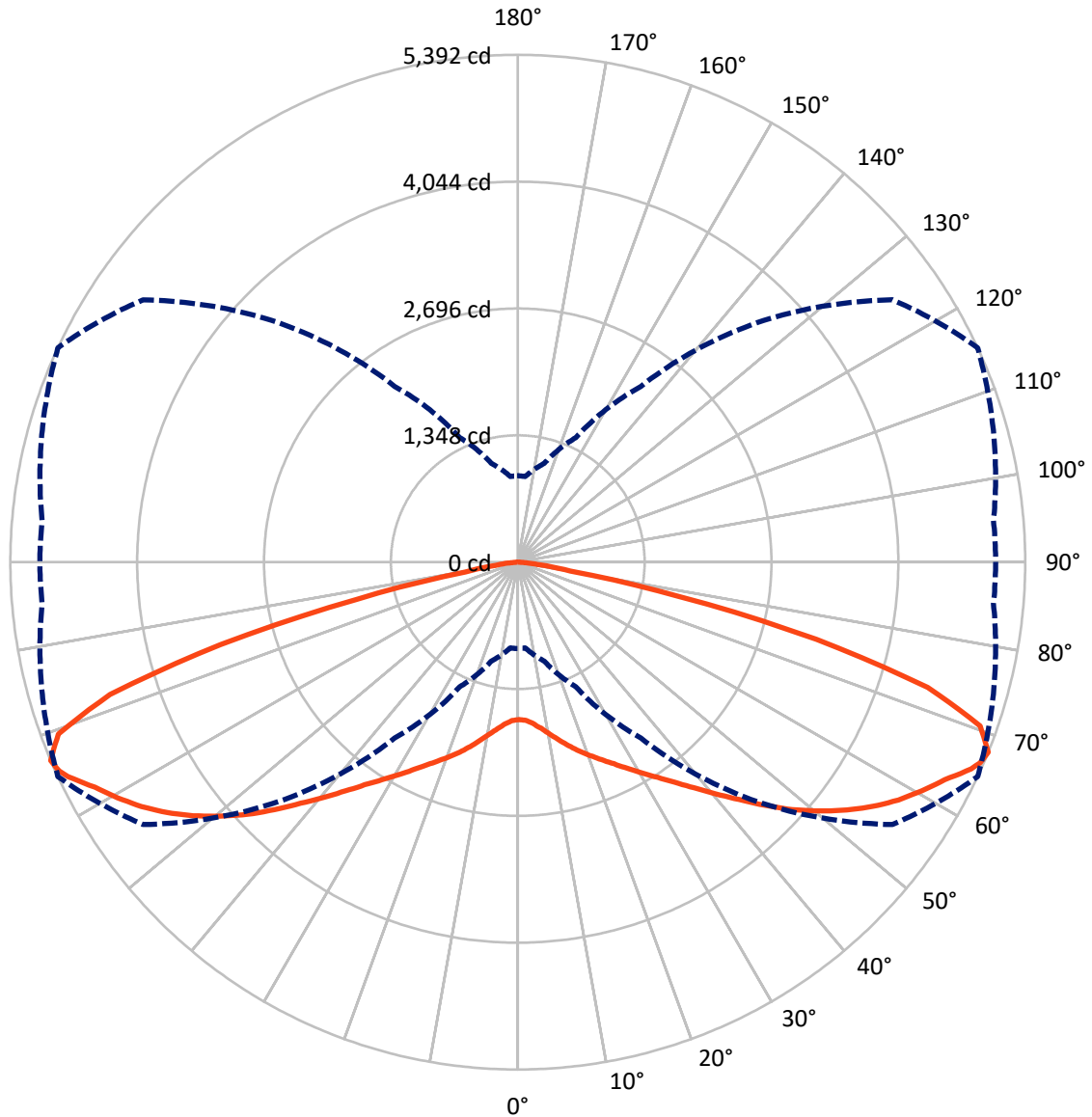
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	7980.5	0.0	7980.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7980.5	0.0	7980.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15961.0	0.0	15961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	1.0
10°-20°	551.8	3.5
20°-30°	1079.5	6.8
30°-40°	1836.0	11.5
40°-50°	2905.8	18.2
50°-60°	3853.1	24.1
60°-70°	3634.6	22.8
70°-80°	1796.8	11.3
80°-90°	138.5	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°	15961.0	100.0
0°-180°	15961.0	100.0

Coefficient of Utilization



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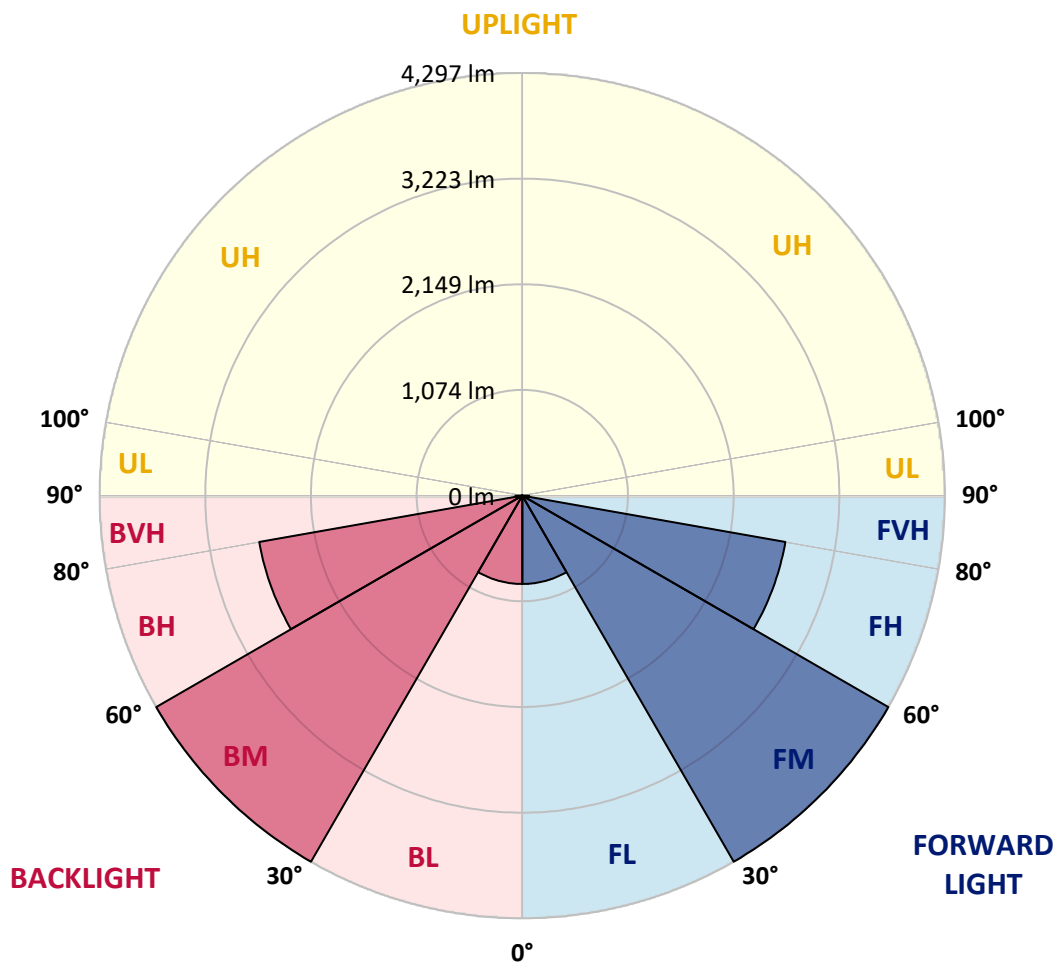
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	898.1	5.6			
FM	(30°-60°)	4297.5	26.9			
FH	(60°-80°)	2715.7	17.0			G2/5000
FVH	(80°-90°)	69.2	0.4			G1/100
BL	(0°-30°)	898.1	5.6	B2/1000		
BM	(30°-60°)	4297.5	26.9	B3/5000		
BH	(60°-80°)	2715.7	17.0	B4/5000		G4/5000
BVH	(80°-90°)	69.2	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°	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8
2.5°	1663.2	1664.9	1666.6	1669.2	1672.6	1677.8	1681.2	1683.7	1690.6	1691.4	1690.6
5°	1657.2	1658.9	1663.2	1670.9	1682.0	1697.4	1709.4	1723.9	1735.1	1742.7	1741.0
7.5°	1656.4	1659.8	1666.6	1682.9	1704.3	1730.8	1758.1	1782.9	1804.3	1821.4	1818.9
10°	1670.1	1674.3	1685.5	1709.4	1742.7	1781.2	1819.7	1856.5	1887.3	1909.5	1917.2
12.5°	1693.2	1696.6	1717.1	1753.0	1800.9	1848.8	1892.4	1937.7	1980.5	2018.1	2018.1
15°	1733.3	1739.3	1765.0	1817.1	1876.1	1931.7	1976.2	2024.1	2070.3	2113.0	2125.8
17.5°	1788.9	1797.5	1836.0	1902.7	1977.9	2029.2	2071.1	2110.5	2150.6	2191.7	2197.7
20°	1865.0	1873.6	1924.9	2005.3	2094.2	2155.8	2184.0	2193.4	2213.1	2252.4	2257.5
22.5°	1968.5	1977.1	2034.3	2125.0	2224.2	2290.9	2302.9	2280.6	2275.5	2306.3	2309.7
25°	2085.7	2093.4	2159.2	2256.7	2359.3	2432.0	2428.6	2373.8	2343.0	2361.9	2367.0
27.5°	2217.3	2228.5	2295.2	2396.1	2507.2	2571.4	2561.1	2481.6	2415.7	2412.3	2414.0
30°	2385.8	2397.8	2461.1	2557.7	2667.1	2726.1	2704.8	2597.9	2496.1	2461.9	2461.9
32.5°	2563.7	2593.6	2657.7	2758.6	2844.2	2886.9	2854.4	2726.1	2591.0	2543.1	2540.6
35°	2795.4	2811.7	2874.9	2973.3	3037.4	3070.8	3008.3	2870.7	2715.0	2658.6	2650.9
37.5°	3022.0	3035.7	3109.2	3203.3	3281.1	3279.4	3194.8	3042.5	2869.0	2805.7	2800.5
40°	3253.8	3268.3	3352.1	3438.5	3516.3	3509.4	3406.8	3236.7	3051.9	2981.0	2994.7
42.5°	3454.7	3471.0	3565.9	3689.0	3759.1	3757.4	3638.6	3447.0	3254.6	3191.3	3203.3
45°	3637.7	3652.2	3762.6	3903.7	4006.3	4019.1	3889.1	3686.5	3488.9	3407.7	3411.1
47.5°	3766.8	3794.2	3909.6	4071.3	4210.6	4256.0	4128.6	3930.2	3702.7	3618.0	3623.2
50°	3865.2	3882.3	4008.0	4191.8	4368.0	4462.1	4359.4	4155.9	3916.5	3826.7	3838.7
52.5°	3877.1	3897.7	4034.5	4246.6	4472.3	4615.1	4564.7	4376.5	4134.5	4042.2	4067.8
55°	3779.7	3791.6	3955.0	4212.4	4513.4	4728.9	4741.7	4581.8	4342.3	4272.2	4289.3
57.5°	3501.7	3532.5	3739.5	4052.4	4456.9	4789.6	4874.2	4768.2	4552.7	4483.4	4510.8
60°	3046.0	3076.7	3284.5	3681.3	4244.0	4761.3	4983.7	4933.2	4743.4	4687.8	4702.3
62.5°	2386.7	2384.1	2641.5	3128.1	3820.7	4622.8	5064.9	5092.3	4931.5	4861.4	4883.6
65°	1546.9	1554.6	1803.5	2327.7	3181.9	4270.5	5082.9	5294.9	5116.2	5010.2	5026.4
66°	1244.2	1267.3	1478.5	1961.7	2856.1	4039.6	5029.0	5354.8	5172.7	5044.4	5052.1
67.5°	918.4	914.1	1087.7	1460.6	2280.6	3600.9	4860.5	5392.4	5236.8	5075.2	5078.6
70°	524.2	523.3	584.9	802.1	1340.8	2535.5	4096.9	5212.0	5366.8	5186.3	5176.9
72.5°	383.1	380.5	389.1	443.0	654.2	1280.1	2826.2	4555.3	5300.1	5168.4	5141.9
75°	321.5	319.8	318.1	324.9	366.8	579.8	1499.9	3276.8	4598.9	4851.1	4823.8
77.5°	262.5	262.5	263.4	261.7	263.4	305.3	621.7	1756.4	2800.5	3126.3	3202.5
80°	205.2	204.4	218.9	212.9	199.2	195.8	275.4	565.2	929.5	924.4	762.8
82.5°	151.4	141.1	166.7	162.5	147.1	124.8	160.8	241.1	310.4	201.8	149.6
85°	95.8	94.9	118.0	107.7	89.8	59.0	77.0	103.5	128.3	77.8	63.3
87.5°	17.1	16.2	37.6	27.4	27.4	17.1	21.4	28.2	41.9	29.1	21.4
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)