

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: P452323

Luminaire Tested: **GALN-SA3B-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
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-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15443 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

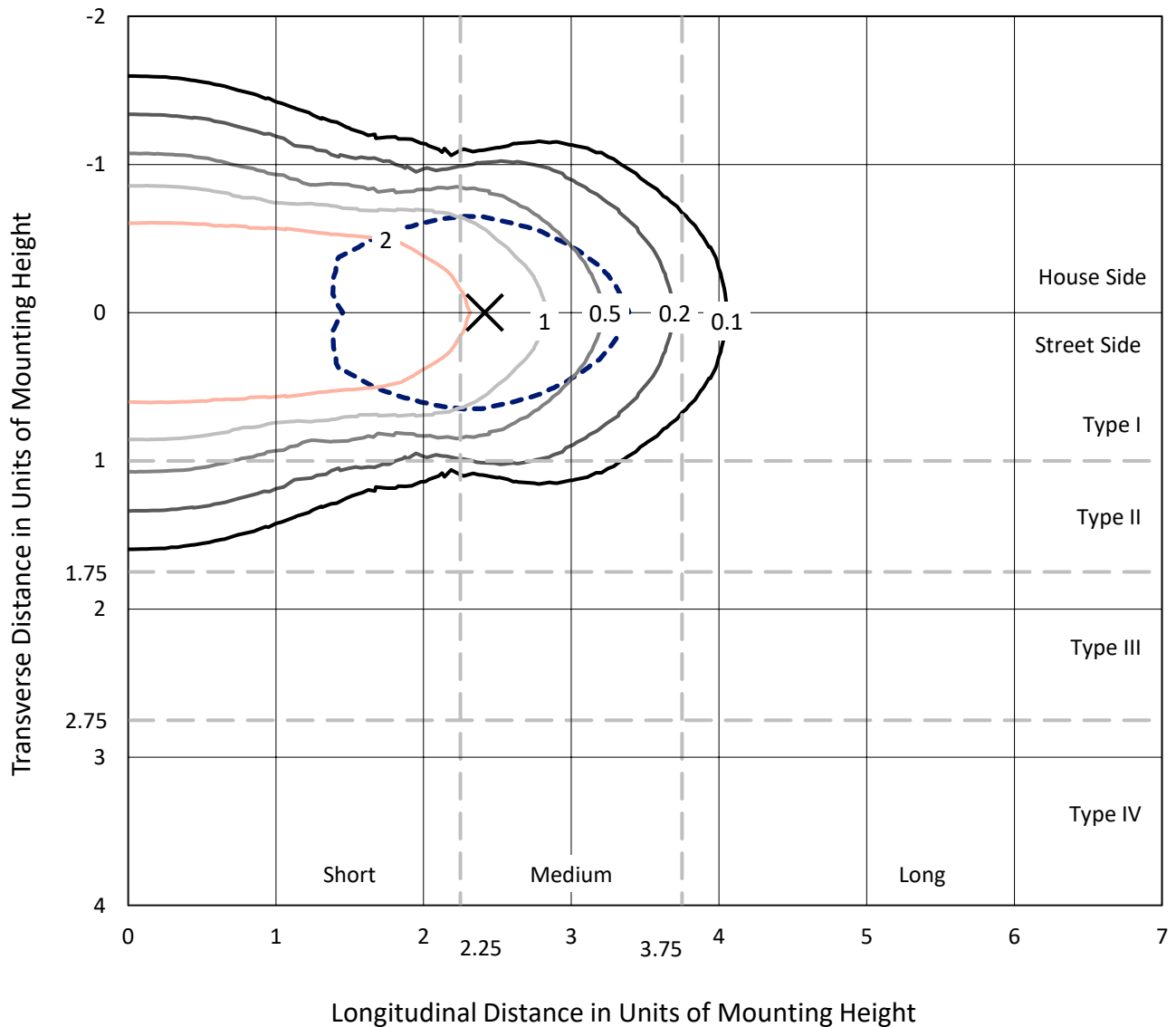
Input Watts (W): 121
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

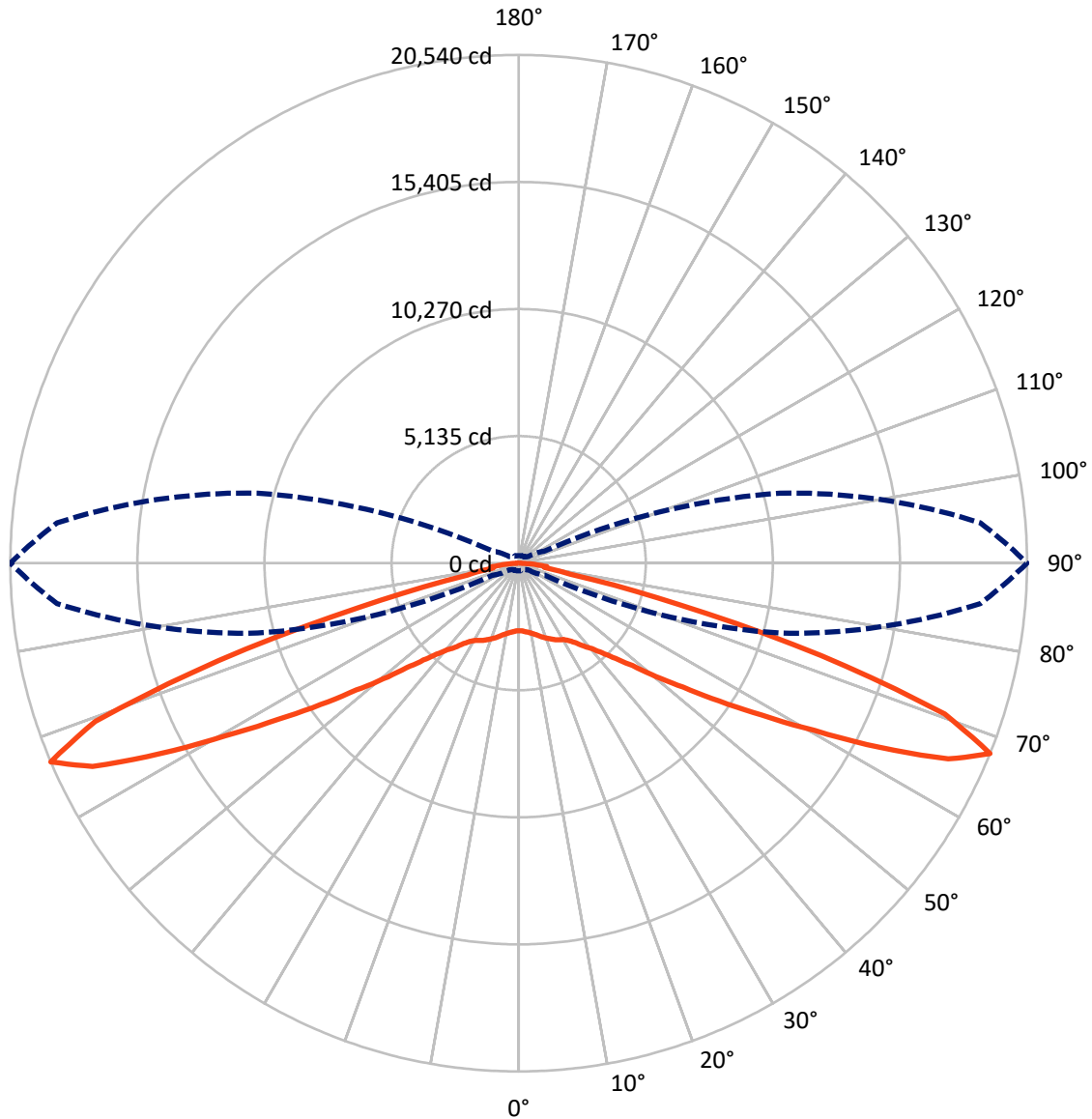
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7721.5	0.0	7721.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7721.5	0.0	7721.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15443.0	0.0	15443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	1.8
10°-20°	872.1	5.6
20°-30°	1459.6	9.5
30°-40°	1977.4	12.8
40°-50°	2504.7	16.2
50°-60°	3129.0	20.3
60°-70°	3678.0	23.8
70°-80°	1407.0	9.1
80°-90°	142.5	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°	15443.0	100.0
0°-180°	15443.0	100.0

Coefficient of Utilization



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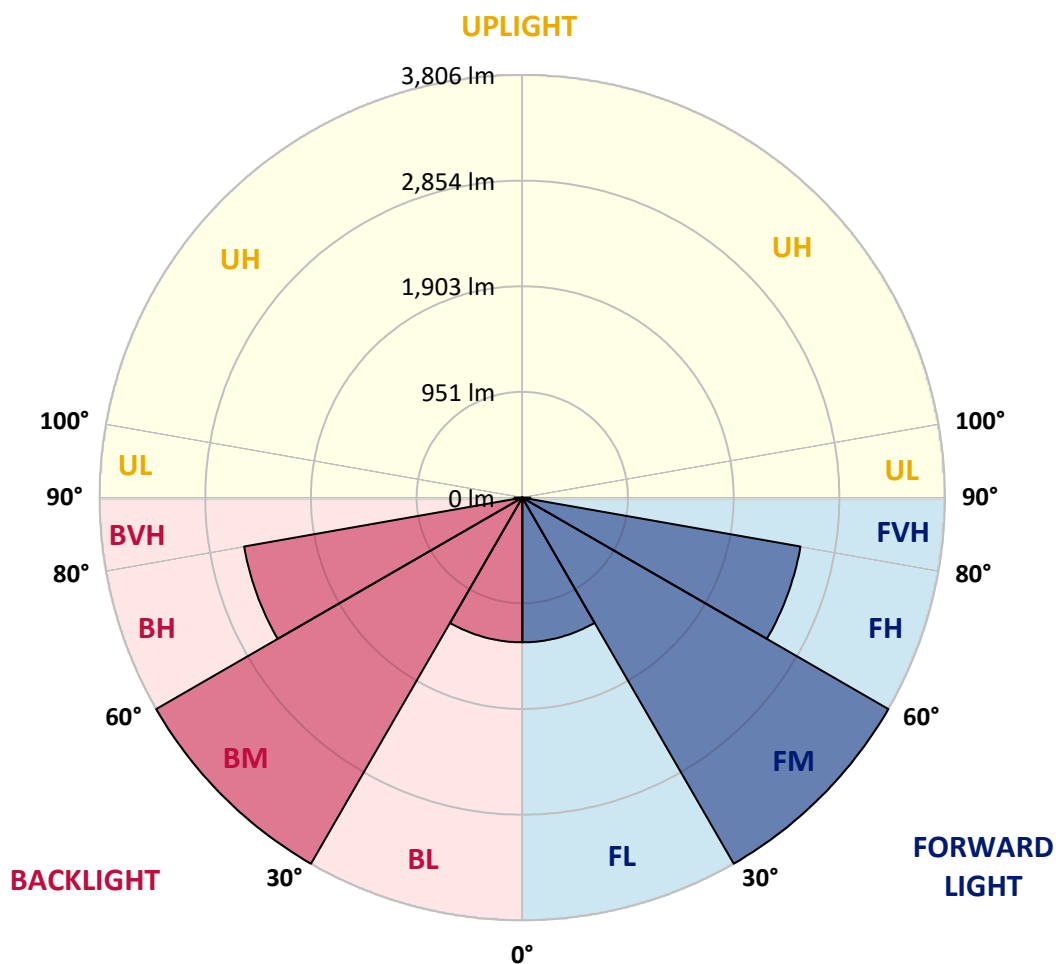
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1302.1	8.4			
FM	(30°-60°)	3805.6	24.6			
FH	(60°-80°)	2542.5	16.5			G2/5000
FVH	(80°-90°)	71.3	0.5			G1/100
BL	(0°-30°)	1302.1	8.4	B3/2500		
BM	(30°-60°)	3805.6	24.6	B3/5000		
BH	(60°-80°)	2542.5	16.5	B4/5000		G4/5000
BVH	(80°-90°)	71.3	0.5			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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2733.9	2733.9	2733.9	2733.9	2733.9	2733.9	2733.9	2733.9	2733.9	2733.9	2733.9
2.5°	2769.0	2767.2	2768.1	2767.2	2769.8	2768.1	2757.8	2749.3	2742.4	2743.3	2740.7
5°	2828.0	2828.8	2829.7	2825.4	2831.4	2828.0	2811.7	2798.0	2784.3	2779.2	2777.5
7.5°	2876.7	2881.0	2883.5	2887.8	2898.1	2898.1	2889.5	2869.9	2839.9	2822.8	2822.0
10°	2925.4	2928.9	2936.6	2950.2	2967.3	2983.6	2980.2	2953.7	2915.2	2886.1	2879.3
12.5°	2942.5	2946.8	2972.5	3011.8	3050.3	3081.9	3081.9	3060.6	3011.0	2966.5	2953.7
15°	2882.7	2890.4	2936.6	3020.4	3121.3	3190.5	3205.9	3176.0	3123.0	3054.6	3039.2
17.5°	2763.8	2782.6	2850.2	2974.2	3141.8	3285.5	3329.9	3315.4	3247.0	3159.8	3141.8
20°	2636.4	2656.9	2728.8	2892.9	3124.7	3341.0	3470.2	3473.6	3388.9	3262.4	3235.9
22.5°	2496.2	2511.6	2603.9	2796.3	3073.4	3353.9	3590.7	3649.7	3535.2	3365.0	3327.4
25°	2338.8	2355.9	2452.5	2660.3	2976.8	3339.3	3701.1	3831.0	3688.2	3474.4	3426.6
27.5°	2188.3	2195.2	2298.6	2509.8	2849.3	3301.7	3782.3	3997.8	3857.5	3565.1	3504.4
30°	2043.8	2060.0	2151.5	2360.2	2703.1	3228.2	3852.4	4187.6	4039.7	3660.0	3582.2
32.5°	1890.7	1910.4	2009.6	2220.8	2556.9	3117.9	3895.2	4395.4	4293.7	3813.9	3731.0
35°	1743.6	1756.5	1856.5	2061.7	2414.1	2989.6	3902.9	4629.7	4621.2	4047.4	3937.1
37.5°	1593.1	1611.9	1712.9	1909.5	2262.7	2853.6	3864.4	4878.6	5016.3	4371.5	4252.6
40°	1448.6	1464.9	1564.1	1762.4	2090.8	2687.7	3772.9	5106.1	5477.2	4705.0	4536.5
42.5°	1291.3	1295.5	1404.1	1606.0	1922.4	2495.3	3641.2	5308.7	5991.1	5152.2	4942.7
45°	1112.5	1123.7	1224.6	1423.0	1729.1	2279.8	3462.5	5476.3	6642.7	5772.2	5486.6
47.5°	933.8	943.2	1035.6	1231.4	1517.9	2032.7	3187.1	5623.4	7311.5	6559.8	6185.2
50°	759.4	764.5	839.8	1013.3	1280.1	1772.7	2845.9	5670.5	8067.4	7674.9	7196.9
52.5°	600.3	608.0	665.3	801.3	1026.2	1465.7	2477.3	5554.2	8949.9	8997.0	8323.1
55°	486.6	489.1	531.9	632.0	802.1	1144.2	2032.7	5230.1	9899.1	10691.0	9831.6
57.5°	419.0	420.7	444.7	500.3	617.4	862.8	1576.9	4616.9	10751.7	12675.8	11570.9
60°	380.5	381.4	395.1	427.6	489.1	661.9	1129.6	3751.5	11593.2	14884.6	13732.7
62.5°	356.6	356.6	366.0	384.0	413.9	508.0	818.4	2706.5	12169.5	17125.9	16397.4
65°	333.5	333.5	340.3	353.2	369.4	415.6	604.6	1765.0	12155.0	18758.4	19077.4
67.5°	307.0	307.0	312.1	325.0	334.4	357.4	466.9	1156.2	10918.5	18722.5	20539.7
70°	275.4	275.4	282.2	293.3	301.0	315.5	368.6	791.0	8021.2	15986.0	18266.7
72.5°	243.7	244.6	248.8	260.0	265.9	274.5	306.1	554.1	4920.5	10885.1	12772.4
75°	208.7	210.4	214.6	225.8	230.9	234.3	258.3	395.1	2489.3	5868.8	6682.1
77.5°	168.5	171.9	174.4	186.4	189.8	195.0	212.9	285.6	1092.9	2108.8	2127.6
80°	123.1	127.4	135.1	146.2	148.8	152.2	162.5	202.7	495.1	962.9	1045.8
82.5°	90.6	96.6	87.2	101.8	101.8	97.5	114.6	136.0	227.5	953.5	1140.8
85°	49.6	50.5	45.3	52.2	55.6	54.7	60.7	66.7	110.3	636.2	655.9
87.5°	12.0	12.8	13.7	16.2	19.7	19.7	21.4	18.8	35.9	206.1	118.0
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)