

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: P458790

Luminaire Tested: **GALN-SA3B-735-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458790
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-735-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15796 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

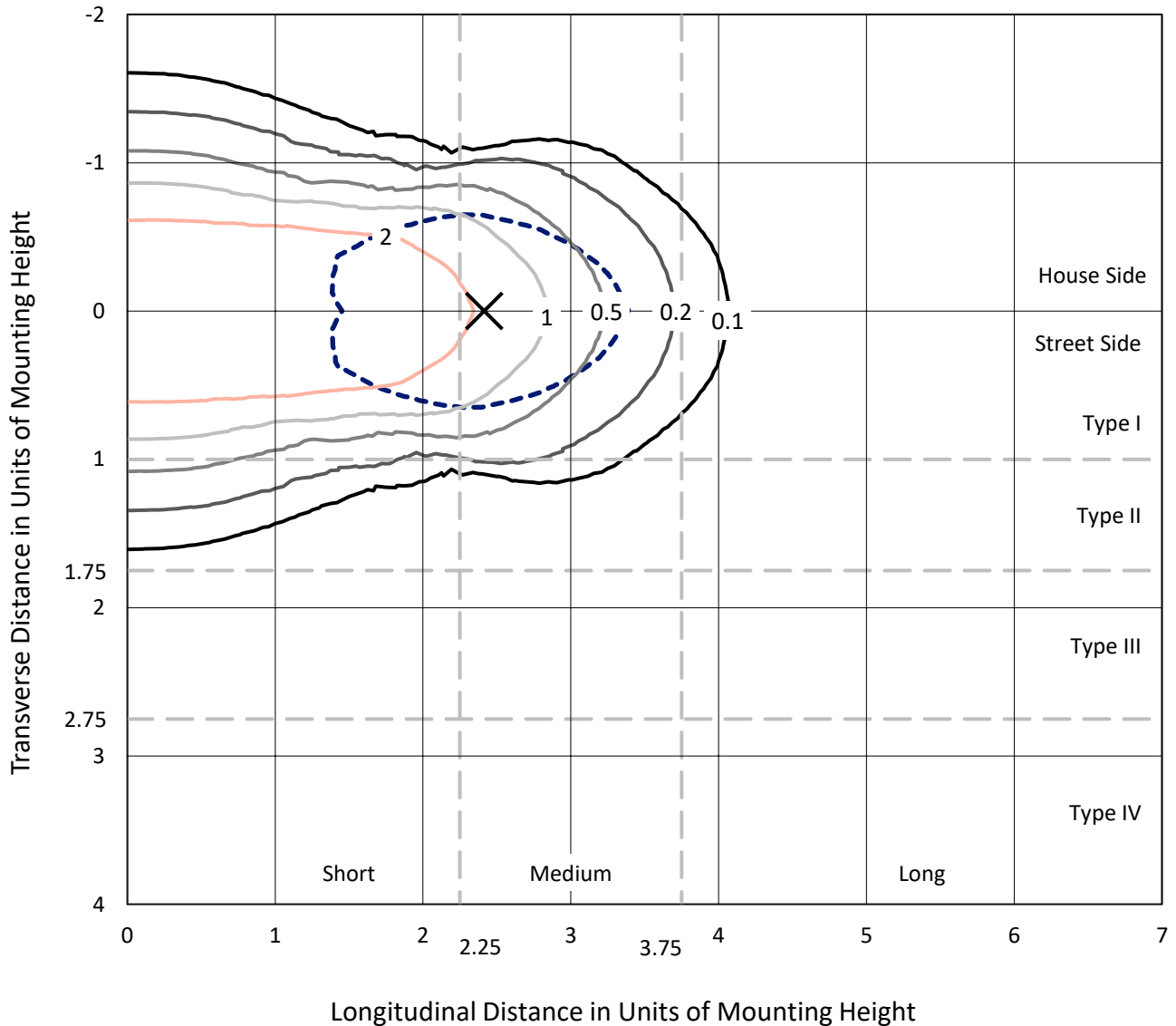
Input Watts (W): 121
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

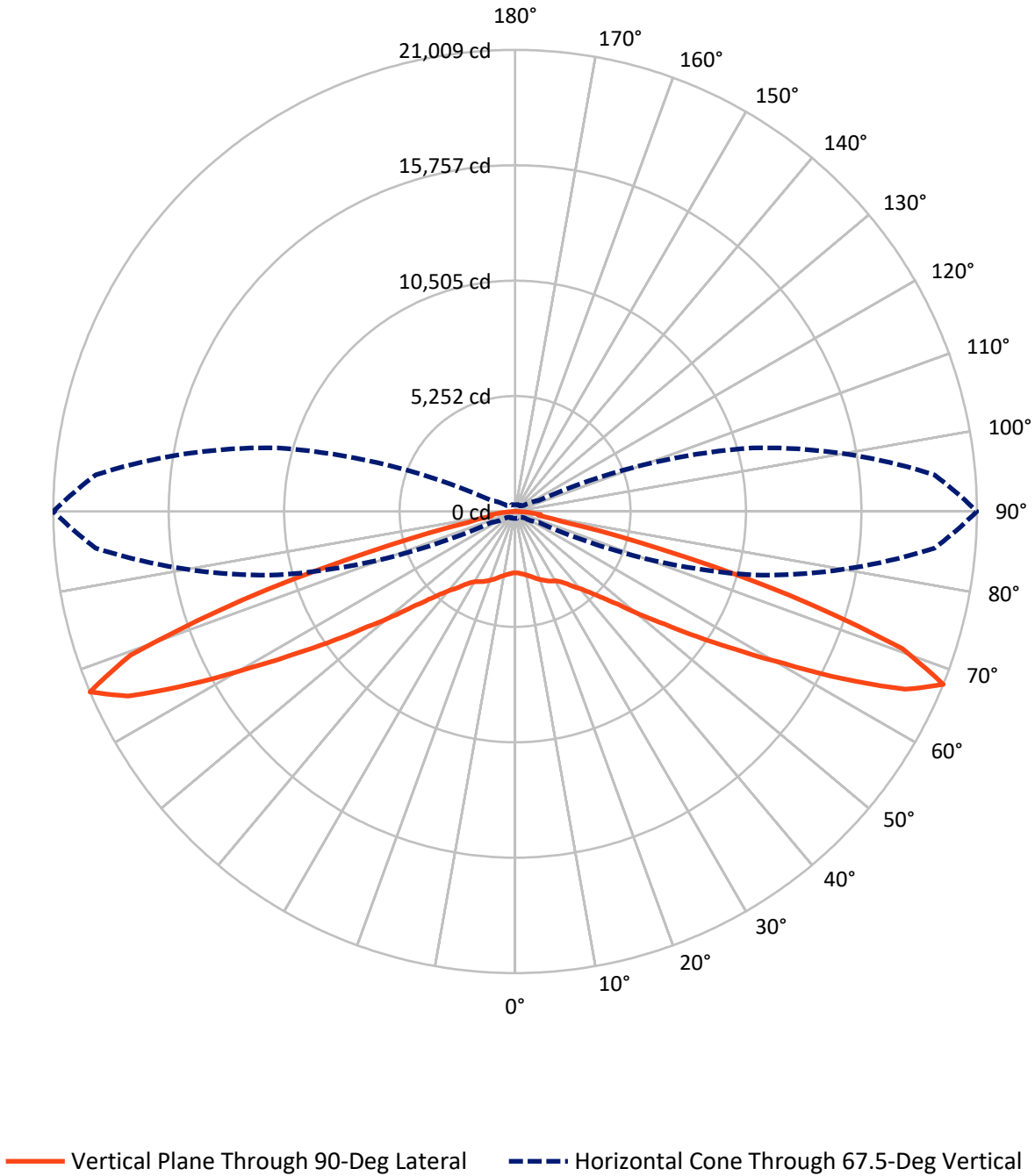
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7898.0	0.0	7898.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7898.0	0.0	7898.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15796.0	0.0	15796.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.8	1.8
10°-20°	892.0	5.6
20°-30°	1493.0	9.5
30°-40°	2022.6	12.8
40°-50°	2562.0	16.2
50°-60°	3200.5	20.3
60°-70°	3762.1	23.8
70°-80°	1439.2	9.1
80°-90°	145.8	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°	15796.0	100.0
0°-180°	15796.0	100.0



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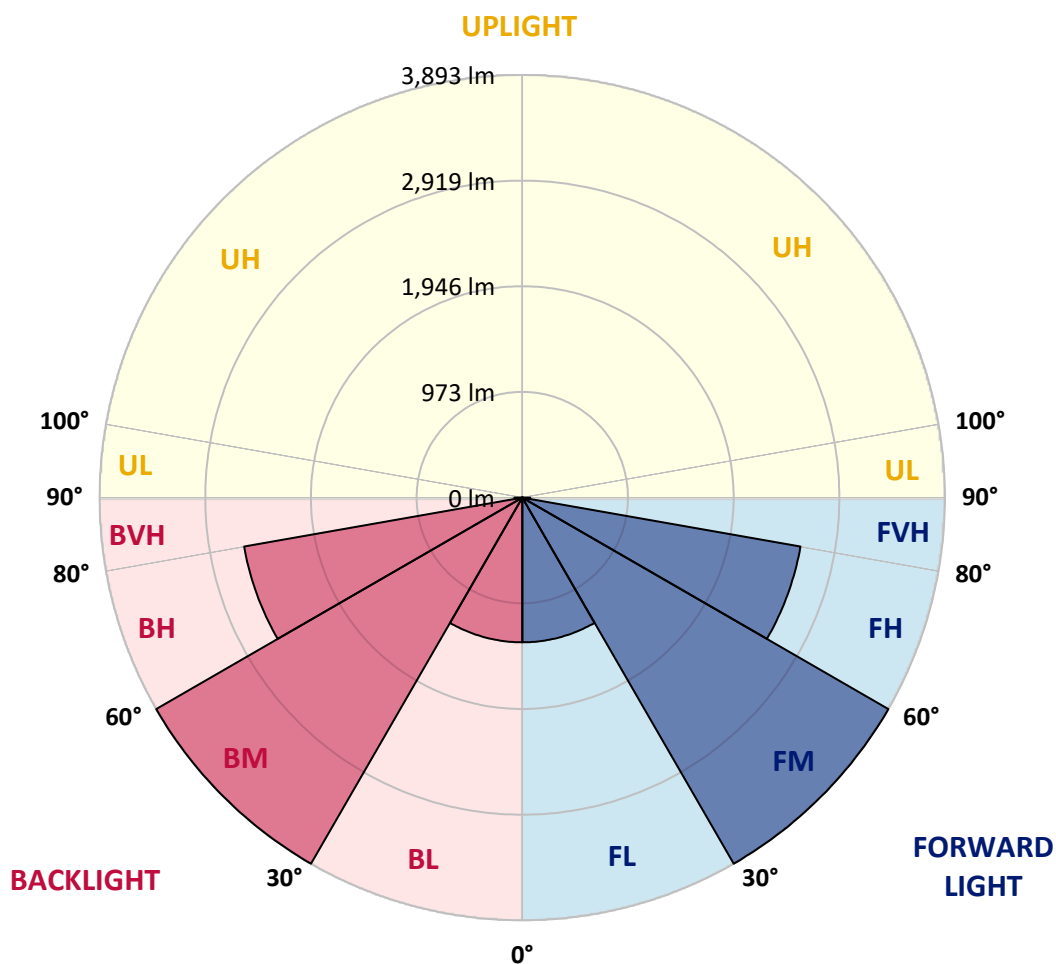
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1331.9	8.4			
FM (30°-60°)	3892.6	24.6			
FH (60°-80°)	2600.6	16.5			G2/5000
FVH (80°-90°)	72.9	0.5			G1/100
BL (0°-30°)	1331.9	8.4	B3/2500		
BM (30°-60°)	3892.6	24.6	B3/5000		
BH (60°-80°)	2600.6	16.5	B4/5000		G4/5000
BVH (80°-90°)	72.9	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°	2796.4	2796.4	2796.4	2796.4	2796.4	2796.4	2796.4	2796.4	2796.4	2796.4	2796.4
2.5°	2832.2	2830.5	2831.4	2830.5	2833.1	2831.4	2820.9	2812.1	2805.1	2806.0	2803.4
5°	2892.6	2893.5	2894.3	2890.0	2896.1	2892.6	2876.0	2862.0	2848.0	2842.7	2841.0
7.5°	2942.5	2946.8	2949.5	2953.8	2964.3	2964.3	2955.6	2935.5	2904.8	2887.4	2886.5
10°	2992.3	2995.8	3003.7	3017.7	3035.2	3051.8	3048.3	3021.2	2981.8	2952.1	2945.1
12.5°	3009.8	3014.2	3040.4	3080.7	3120.0	3152.4	3152.4	3130.5	3079.8	3034.3	3021.2
15°	2948.6	2956.5	3003.7	3089.4	3192.6	3263.5	3279.2	3248.6	3194.4	3124.4	3108.6
17.5°	2827.0	2846.2	2915.3	3042.2	3213.6	3360.6	3406.0	3391.2	3321.2	3232.0	3213.6
20°	2696.7	2717.7	2791.1	2959.1	3196.1	3417.4	3549.5	3553.0	3466.4	3336.9	3309.8
22.5°	2553.2	2569.0	2663.4	2860.2	3143.6	3430.5	3672.8	3733.2	3616.0	3441.9	3403.4
25°	2392.3	2409.8	2508.6	2721.2	3044.8	3415.7	3785.7	3918.6	3772.5	3553.9	3504.9
27.5°	2238.3	2245.3	2351.2	2567.2	2914.5	3377.2	3868.8	4089.2	3945.7	3646.6	3584.5
30°	2090.5	2107.1	2200.7	2414.1	2764.9	3302.0	3940.5	4283.4	4132.0	3743.7	3664.1
32.5°	1933.9	1954.1	2055.5	2271.6	2615.3	3189.1	3984.2	4495.9	4391.8	3901.1	3816.3
35°	1783.5	1796.6	1899.0	2108.9	2469.2	3057.9	3992.1	4735.6	4726.8	4139.9	4027.1
37.5°	1629.5	1648.8	1752.0	1953.2	2314.4	2918.8	3952.7	4990.1	5130.9	4471.4	4349.8
40°	1481.7	1498.3	1599.8	1802.7	2138.6	2749.2	3859.1	5222.8	5602.4	4812.5	4640.2
42.5°	1320.8	1325.2	1436.2	1642.7	1966.3	2552.3	3724.4	5430.1	6128.1	5270.0	5055.7
45°	1138.0	1149.3	1252.6	1455.5	1768.6	2331.9	3541.6	5601.5	6794.6	5904.2	5612.0
47.5°	955.2	964.8	1059.2	1259.6	1552.6	2079.1	3260.0	5752.0	7478.6	6709.7	6326.6
50°	776.7	782.0	858.9	1036.5	1309.4	1813.2	2911.0	5800.1	8251.8	7850.3	7361.4
52.5°	614.0	621.9	680.5	819.6	1049.6	1499.2	2534.0	5681.1	9154.5	9202.6	8513.4
55°	497.7	500.3	544.1	646.4	820.5	1170.3	2079.1	5349.6	10125.4	10935.4	10056.3
57.5°	428.6	430.3	454.8	511.7	631.5	882.6	1612.9	4722.5	10997.5	12965.5	11835.4
60°	389.2	390.1	404.1	437.3	500.3	677.0	1155.5	3837.3	11858.2	15224.9	14046.6
62.5°	364.7	364.7	374.4	392.7	423.3	519.6	837.1	2768.4	12447.7	17517.4	16772.2
65°	341.1	341.1	348.1	361.2	377.9	425.1	618.4	1805.4	12432.8	19187.2	19513.5
67.5°	314.0	314.0	319.3	332.4	342.0	365.6	477.6	1182.6	11168.0	19150.5	21009.2
70°	281.7	281.7	288.6	300.0	307.9	322.8	377.0	809.1	8204.6	16351.5	18684.3
72.5°	249.3	250.2	254.5	265.9	272.0	280.8	313.1	566.8	5033.0	11133.9	13064.4
75°	213.4	215.2	219.5	230.9	236.2	239.7	264.2	404.1	2546.2	6003.0	6834.8
77.5°	172.3	175.8	178.4	190.7	194.2	199.4	217.8	292.1	1117.9	2157.0	2176.2
80°	126.0	130.3	138.2	149.6	152.2	155.7	166.2	207.3	506.4	984.9	1069.7
82.5°	92.7	98.8	89.2	104.1	104.1	99.7	117.2	139.1	232.7	975.3	1166.8
85°	50.7	51.6	46.4	53.4	56.9	56.0	62.1	68.2	112.8	650.8	670.9
87.5°	12.2	13.1	14.0	16.6	20.1	20.1	21.9	19.2	36.7	210.8	120.7
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)