

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: P532697

Luminaire Tested: **GALN-SA8A-750-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-750-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19262 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

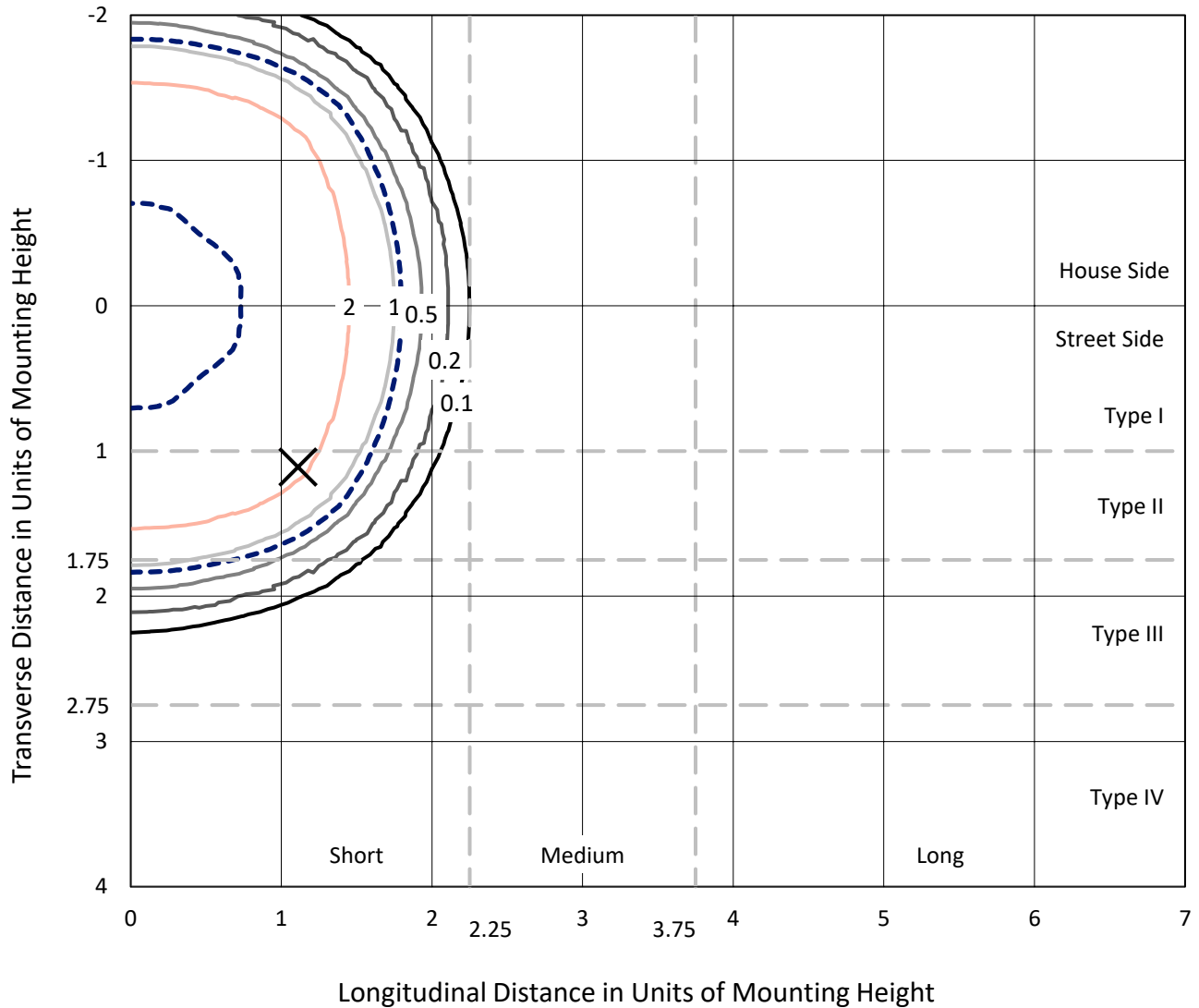
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

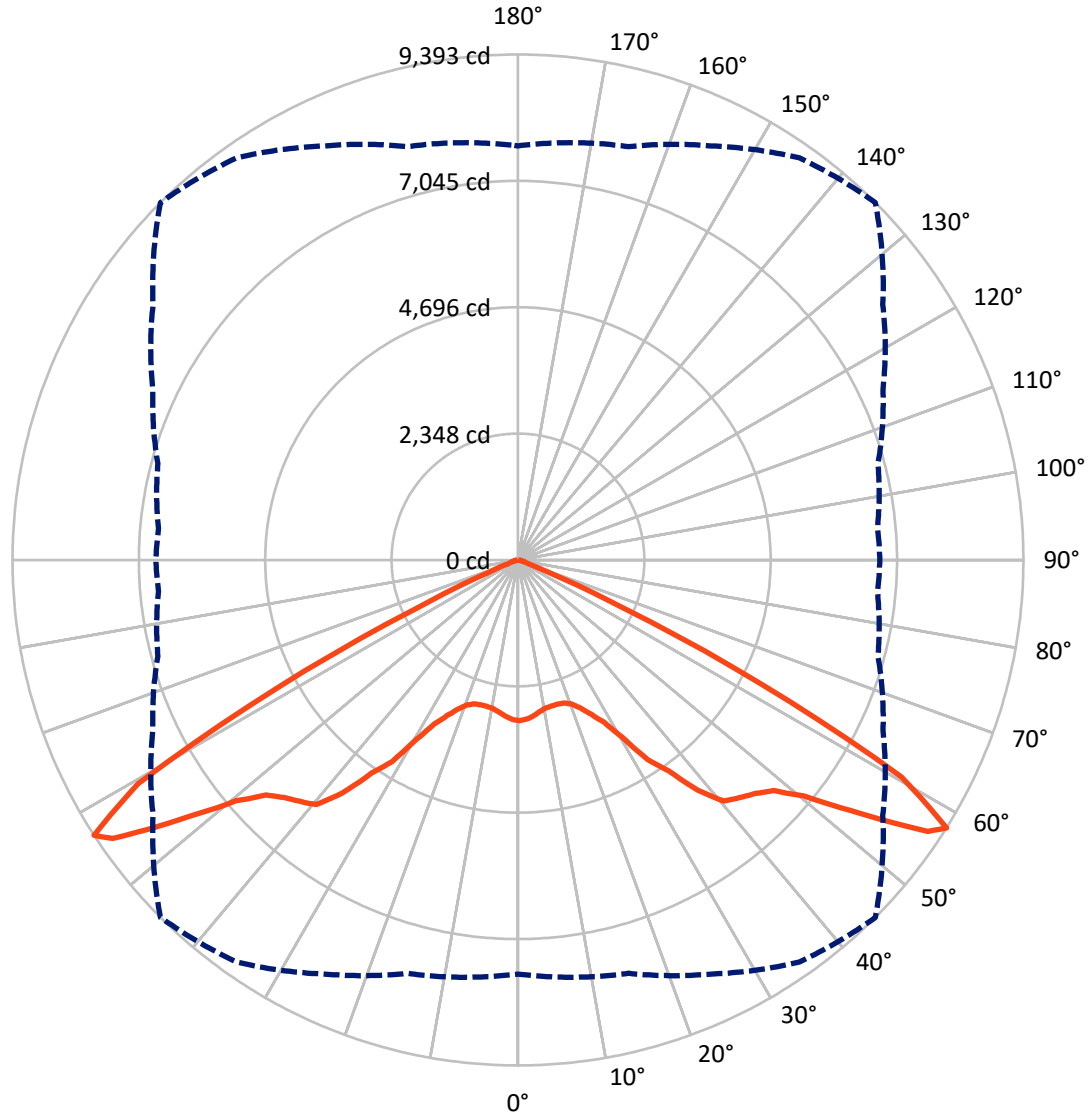
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9631.0	0.0	9631.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9631.0	0.0	9631.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19262.0	0.0	19262.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.6	1.4
10°-20°	793.6	4.1
20°-30°	1464.9	7.6
30°-40°	2880.9	15.0
40°-50°	4692.1	24.4
50°-60°	6691.6	34.7
60°-70°	2316.8	12.0
70°-80°	124.3	0.6
80°-90°	23.3	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°	19262.0	100.0
0°-180°	19262.0	100.0



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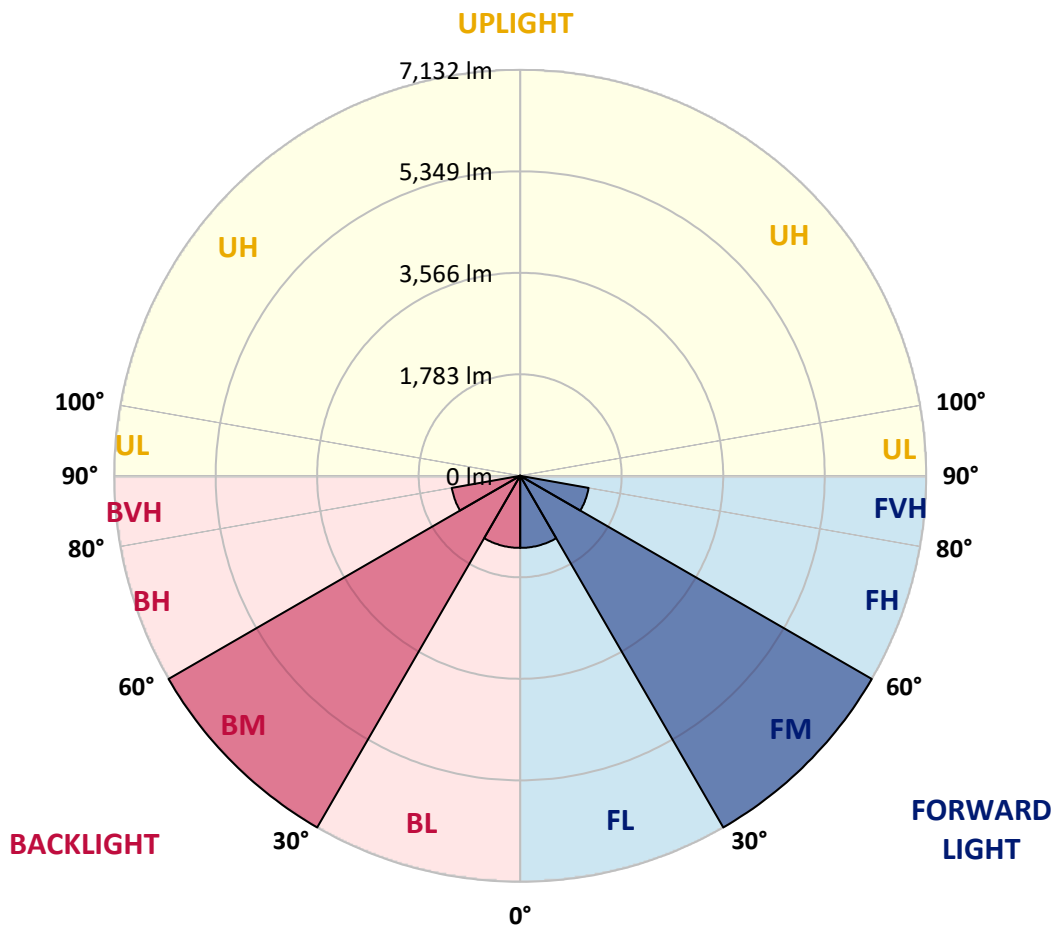
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1266.5	6.6			
FM (30°-60°)	7132.3	37.0			
FH (60°-80°)	1220.5	6.3			G1/1800
FVH (80°-90°)	11.7	0.1			G1/100
BL (0°-30°)	1266.5	6.6	B3/2500		
BM (30°-60°)	7132.3	37.0	B4/8500		
BH (60°-80°)	1220.5	6.3	B3/2500		G1/1800
BVH (80°-90°)	11.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7
2.5°	2979.7	2995.8	2975.7	2967.7	2963.6	2963.6	2951.6	2951.6	2947.6	2951.6	2935.5
5°	2931.5	2947.6	2947.6	2943.6	2919.5	2915.5	2903.4	2895.4	2899.4	2883.3	2895.4
7.5°	2883.3	2895.4	2879.3	2875.3	2867.3	2851.2	2847.2	2811.0	2815.1	2815.1	2823.1
10°	2875.3	2871.3	2847.2	2827.1	2803.0	2799.0	2786.9	2778.9	2778.9	2774.9	2786.9
12.5°	2875.3	2855.2	2851.2	2807.0	2766.9	2782.9	2750.8	2730.7	2758.8	2766.9	2782.9
15°	2871.3	2891.4	2823.1	2803.0	2774.9	2778.9	2750.8	2730.7	2746.8	2754.8	2766.9
17.5°	2895.4	2883.3	2863.2	2823.1	2811.0	2795.0	2758.8	2742.8	2742.8	2762.9	2766.9
20°	2959.6	2927.5	2887.3	2867.3	2879.3	2859.2	2815.1	2754.8	2770.9	2786.9	2799.0
22.5°	3019.9	2995.8	2967.7	2955.6	3023.9	2991.8	2915.5	2847.2	2823.1	2851.2	2871.3
25°	3136.3	3136.3	3084.1	3100.2	3176.5	3180.5	3092.1	2971.7	2955.6	2967.7	2975.7
27.5°	3373.3	3385.3	3341.1	3357.2	3389.3	3417.4	3341.1	3240.7	3204.6	3200.6	3212.6
30°	3630.3	3654.4	3650.3	3718.6	3811.0	3827.0	3714.6	3549.9	3441.5	3421.4	3437.5
32.5°	3967.6	3979.6	3971.6	4051.9	4300.9	4417.4	4124.2	3891.3	3746.7	3782.9	3746.7
35°	4602.1	4590.0	4501.7	4517.7	4722.6	4806.9	4525.8	4377.2	4308.9	4381.2	4365.1
37.5°	5148.2	5104.1	5031.8	5136.2	5349.0	5425.3	5132.2	4871.1	4746.6	4867.1	4919.3
40°	5610.0	5497.6	5397.2	5501.6	5786.7	5891.1	5461.5	5248.6	5200.4	5288.8	5401.2
42.5°	5999.6	5927.3	5794.8	5802.8	5991.5	6039.7	5694.4	5569.9	5521.7	5662.2	5718.5
45°	6276.7	6208.4	6083.9	6075.9	6220.4	6188.3	5879.1	5794.8	5822.9	5915.2	5943.3
47.5°	6417.2	6453.4	6381.1	6401.1	6477.4	6401.1	6156.2	6156.2	6091.9	6148.2	6120.0
50°	6822.8	6710.4	6802.7	6802.7	6883.0	6891.1	6646.1	6557.8	6385.1	6288.7	6288.7
52.5°	7296.7	7304.7	7340.8	7473.4	7609.9	7726.4	7377.0	6999.5	6710.4	6585.9	6569.8
55°	7686.2	7766.5	7911.1	8160.1	8553.6	8714.2	8111.9	7437.2	7083.8	6891.1	6850.9
56°	7899.0	7822.7	8071.7	8413.1	8927.1	9135.9	8232.3	7525.6	7136.0	6919.2	6915.2
57.5°	7694.2	7778.6	7951.2	8489.4	9119.8	9392.9	8276.5	7485.4	6927.2	6706.3	6726.4
60°	6075.9	6156.2	6389.1	6991.5	7979.3	8192.2	7003.5	6172.2	5674.3	5357.0	5361.1
62.5°	3437.5	3497.7	3678.5	4236.6	4851.1	5055.9	4365.1	3811.0	3465.6	3288.9	3232.7
65°	1265.0	1240.9	1269.0	1554.1	1931.6	2104.3	1815.1	1534.0	1353.3	1289.1	1265.0
67.5°	473.9	437.7	409.6	437.7	550.2	582.3	534.1	445.8	417.6	429.7	437.7
70°	293.2	277.1	220.9	208.8	204.8	200.8	212.8	224.9	257.0	301.2	309.2
72.5°	204.8	192.8	156.6	148.6	140.6	136.5	156.6	172.7	200.8	232.9	236.9
75°	80.3	84.3	80.3	88.3	92.4	96.4	112.4	124.5	136.5	136.5	132.5
77.5°	16.1	16.1	24.1	32.1	40.2	52.2	76.3	88.3	92.4	88.3	76.3
80°	0.0	0.0	8.0	16.1	32.1	44.2	68.3	76.3	84.3	76.3	60.2
82.5°	0.0	0.0	8.0	20.1	32.1	40.2	64.3	80.3	92.4	84.3	64.3
85°	0.0	0.0	8.0	16.1	24.1	28.1	28.1	20.1	20.1	12.0	8.0
87.5°	0.0	0.0	0.0	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)