

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: P648642

Luminaire Tested: **GALN-SA9B-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35392.4 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

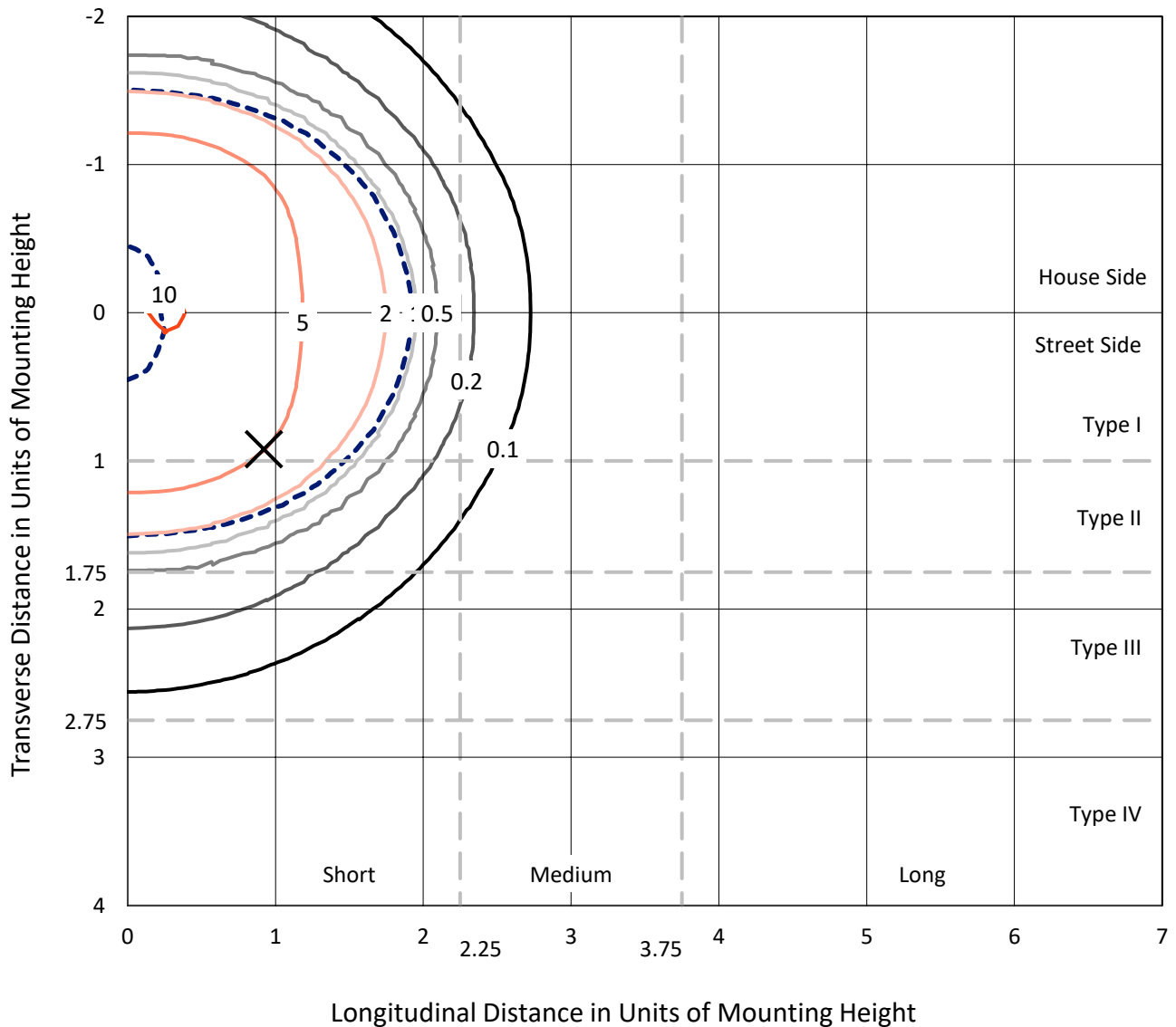
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

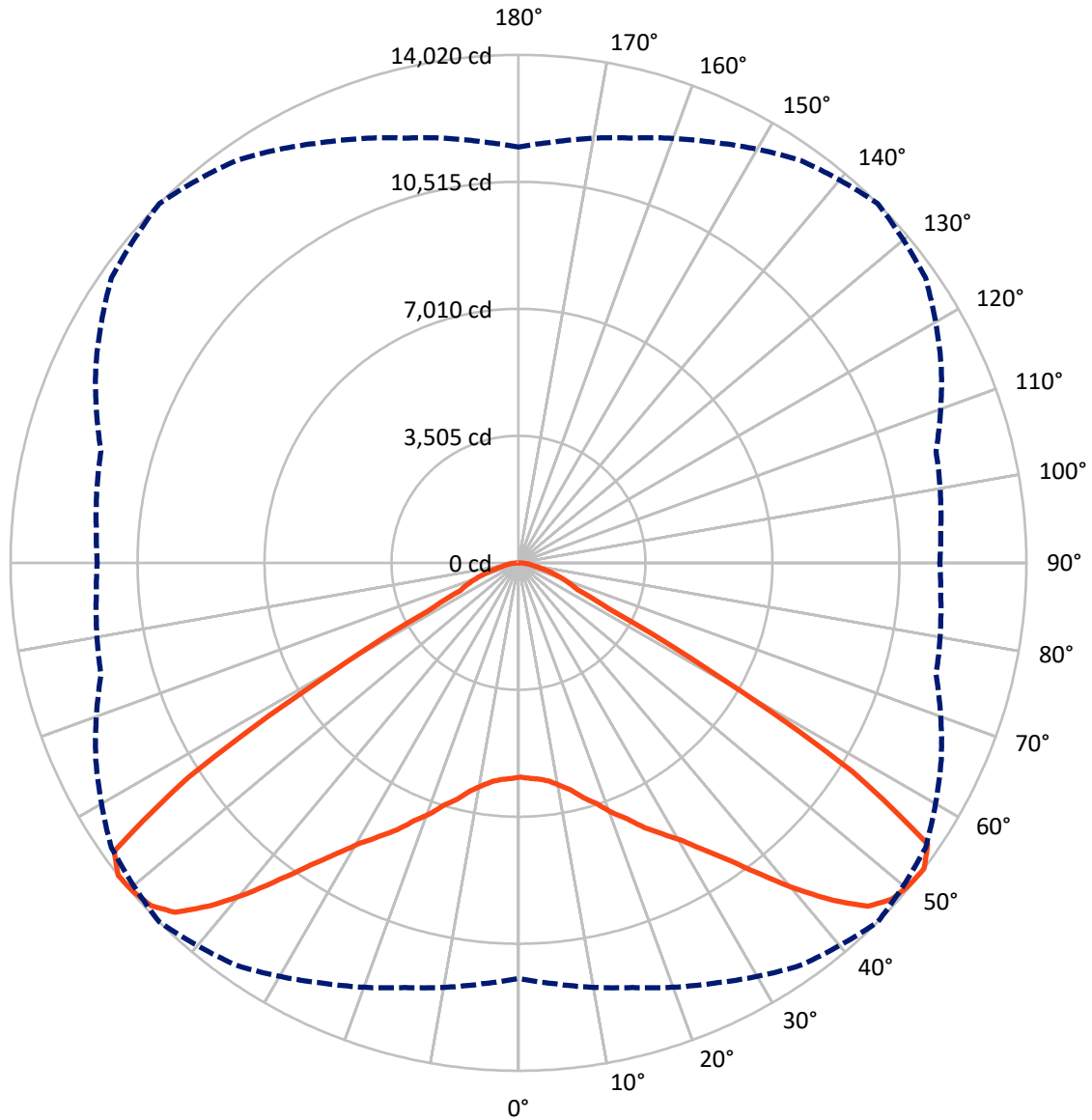
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17696.2	0.0	17696.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17696.2	0.0	17696.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	35392.4	0.0	35392.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.3	1.6
10°-20°	1910.0	5.4
20°-30°	3636.3	10.3
30°-40°	6243.8	17.6
40°-50°	9596.9	27.1
50°-60°	9745.5	27.5
60°-70°	2716.0	7.7
70°-80°	801.2	2.3
80°-90°	161.4	0.5
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°	35392.4	100.0
0°-180°	35392.4	100.0

Coefficient of Utilization



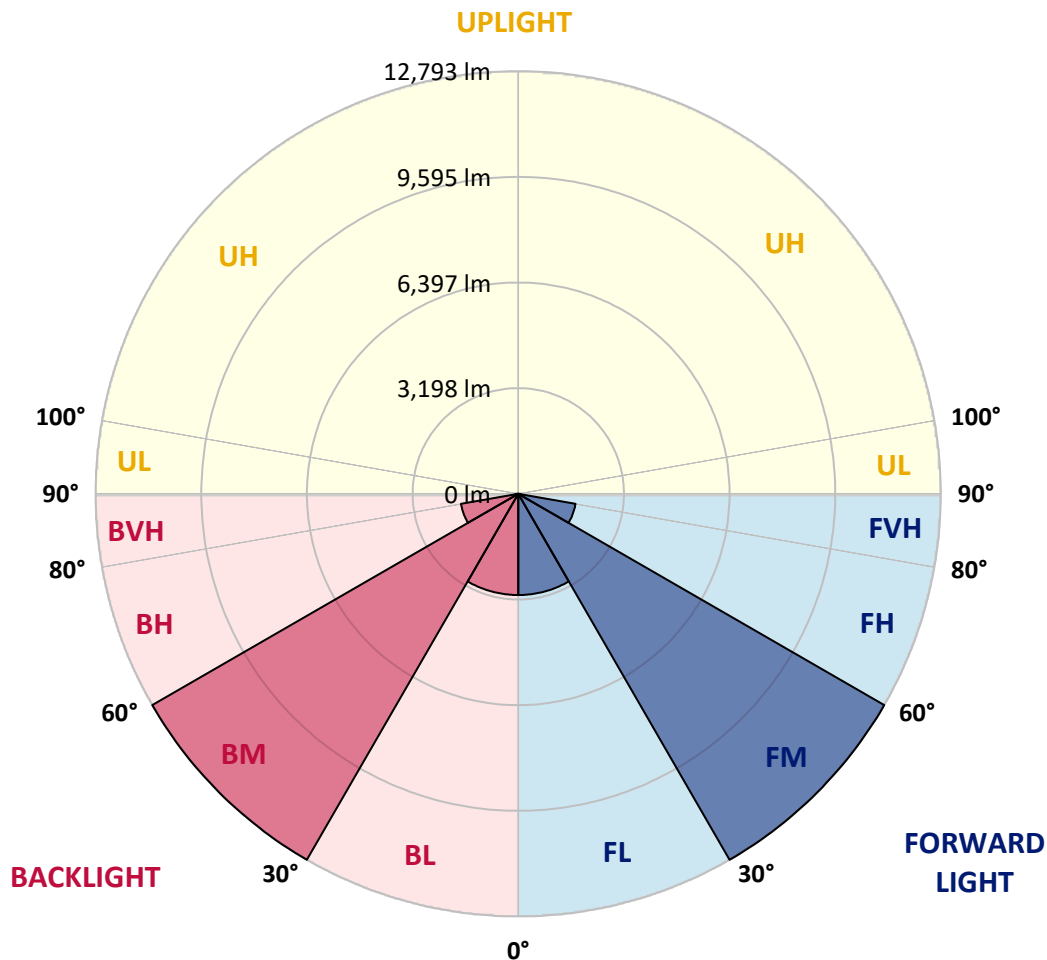
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3063.8	8.7			
FM (30°-60°)	12793.2	36.1			
FH (60°-80°)	1758.6	5.0			G1/1800
FVH (80°-90°)	80.7	0.2			G1/100
BL (0°-30°)	3063.8	8.7	B4/5000		
BM (30°-60°)	12793.2	36.1	B5		
BH (60°-80°)	1758.6	5.0	B3/2500		G1/1800
BVH (80°-90°)	80.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5916.3	5916.3	5916.3	5916.3	5916.3	5916.3	5916.3	5916.3	5916.3	5916.3	5916.3
2.5°	5929.5	5868.0	5890.0	5903.1	5960.2	5955.8	5942.7	5960.2	5977.8	5982.2	5973.4
5°	5925.1	5881.2	5898.7	5911.9	5969.0	5999.7	5991.0	6065.7	6118.4	6105.1	6171.1
7.5°	5890.0	5916.3	5894.3	5960.2	6008.5	6083.2	6162.3	6232.5	6298.5	6373.1	6386.3
10°	5969.0	5969.0	6008.5	6061.3	6188.6	6245.8	6359.9	6460.9	6588.3	6676.2	6641.0
12.5°	6052.4	6065.7	6065.7	6201.8	6307.2	6434.6	6540.0	6676.2	6856.3	6961.7	7014.3
15°	6135.9	6144.7	6188.6	6373.1	6531.2	6733.3	6829.9	6952.9	7053.9	7251.5	7255.9
17.5°	6210.6	6258.9	6390.7	6597.1	6794.7	6988.0	7141.7	7269.1	7356.9	7436.0	7418.5
20°	6491.7	6526.9	6663.0	6869.4	7163.7	7352.5	7405.2	7427.2	7484.3	7642.5	7594.2
22.5°	6764.0	6777.2	6904.6	7220.8	7427.2	7677.5	7734.7	7721.5	7743.5	7783.0	7853.3
25°	7045.1	7067.0	7242.8	7510.7	7800.6	8099.2	8147.5	8046.5	8015.8	8059.7	8064.1
27.5°	7405.2	7409.7	7633.6	7866.4	8195.9	8477.0	8551.6	8472.5	8327.6	8362.8	8419.8
30°	7862.0	7831.3	8055.3	8389.1	8736.1	8894.3	9021.6	8982.0	8823.9	8793.2	8744.9
32.5°	8389.1	8397.9	8599.9	8964.5	9192.9	9456.4	9592.6	9526.7	9425.7	9373.0	9403.8
35°	9131.4	9171.0	9307.1	9610.2	9979.1	10110.9	10326.0	10185.5	9922.0	9987.9	10045.0
37.5°	9741.9	9856.1	10110.9	10471.1	10690.6	10932.2	11011.3	10822.4	10629.1	10550.1	10738.9
40°	10677.5	10642.3	10923.4	11283.6	11608.6	11850.2	11749.1	11560.3	11081.6	11085.9	11138.6
42.5°	11481.2	11498.8	11714.0	12144.5	12588.1	12737.4	12416.7	11955.6	11424.1	11367.0	11481.2
45°	12157.6	12227.9	12350.9	12926.2	13361.1	13523.6	12930.7	12386.0	11674.5	11437.3	11626.1
47.5°	12399.2	12513.4	12781.3	13308.4	13738.8	13870.6	13396.3	12614.4	11907.2	11520.7	11621.8
50°	12434.4	12394.8	12834.0	13317.2	13694.9	13980.4	13563.1	12781.3	11850.2	11648.1	11617.4
52.5°	11472.4	11665.7	12135.6	12798.9	13563.1	14019.9	13712.4	12873.5	11929.2	11700.8	11626.1
55°	9285.1	9056.7	9913.2	11028.9	12434.4	13703.7	13659.7	12921.8	11977.6	11788.7	11687.7
57.5°	5182.8	5248.7	5731.8	6944.1	8758.1	10866.3	12144.5	12412.4	11955.6	11845.8	11898.5
60°	2398.2	2420.1	2626.6	3193.2	4317.5	6162.3	7844.5	9553.1	10339.3	10497.4	10497.4
62.5°	1787.7	1778.8	1831.5	1932.6	2169.8	2833.0	3781.7	5138.9	6219.4	6974.8	7172.4
65°	1616.3	1612.0	1638.3	1673.4	1691.0	1783.2	1994.1	2411.3	2762.7	2964.8	2929.6
67.5°	1414.3	1409.9	1418.7	1440.6	1471.4	1519.7	1572.4	1660.3	1783.2	1774.4	1752.5
70°	1142.0	1142.0	1155.2	1172.7	1207.9	1264.9	1326.5	1387.9	1493.3	1515.3	1511.0
72.5°	843.3	830.1	856.4	891.6	926.8	997.0	1062.9	1120.0	1194.7	1216.6	1207.9
75°	535.9	544.7	562.2	601.7	663.2	711.5	781.8	830.1	878.4	896.0	900.4
77.5°	298.6	307.5	338.2	386.5	448.0	500.7	562.2	601.7	632.5	636.9	641.3
80°	180.1	184.5	215.2	259.2	311.9	368.9	417.3	456.8	483.1	470.0	465.6
82.5°	109.8	114.2	140.5	180.1	224.0	267.9	320.6	355.8	382.1	364.6	346.9
85°	57.1	61.5	83.5	109.8	144.9	166.9	166.9	149.3	144.9	136.2	131.8
87.5°	17.5	17.5	21.9	26.4	21.9	26.4	30.8	35.2	35.2	39.5	35.2
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)