

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: P648574

Luminaire Tested: **GALN-SA8B-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-835-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31755.3 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 325
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

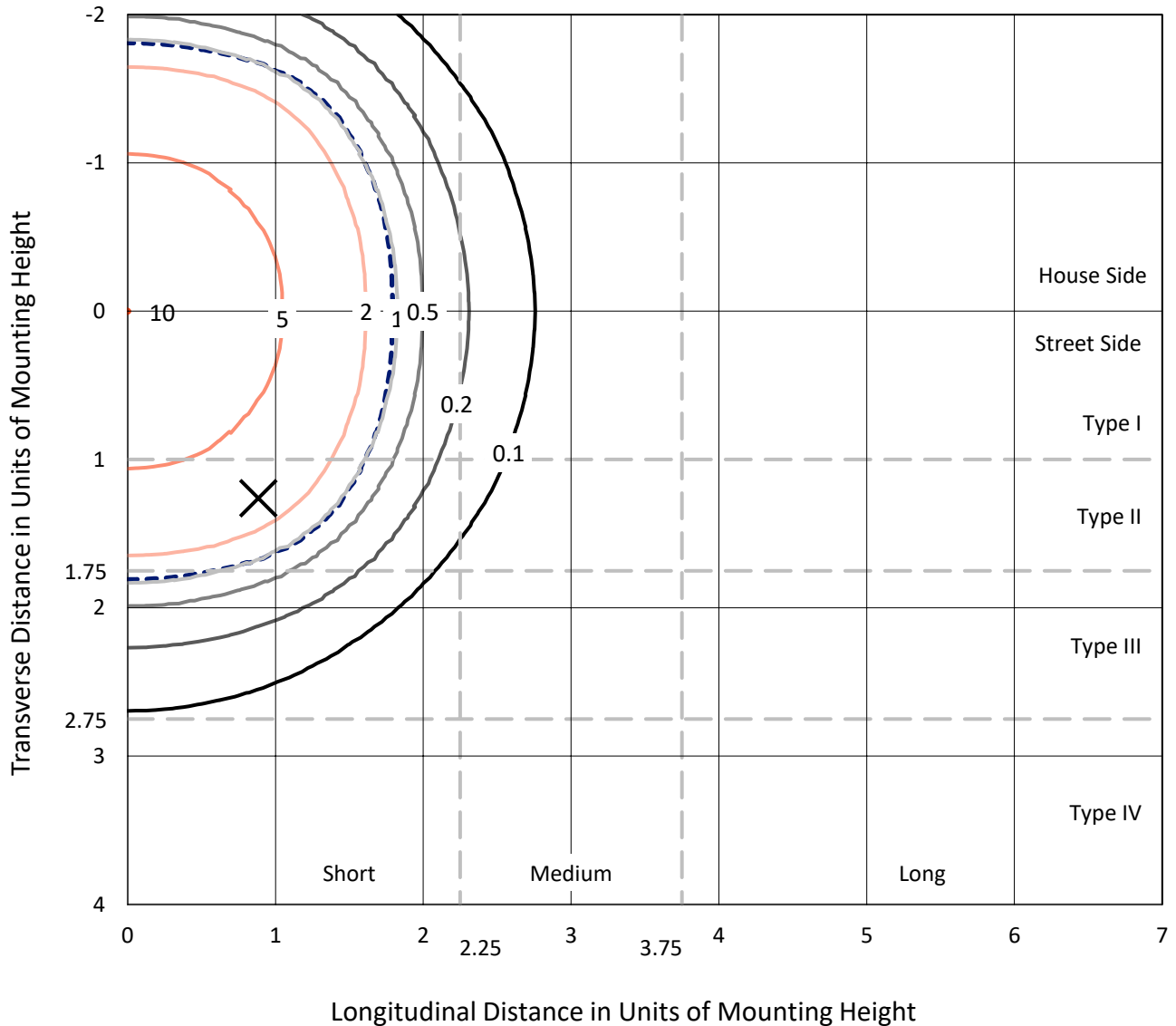




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Iso-Footcandle Lines of Horizontal Illumination

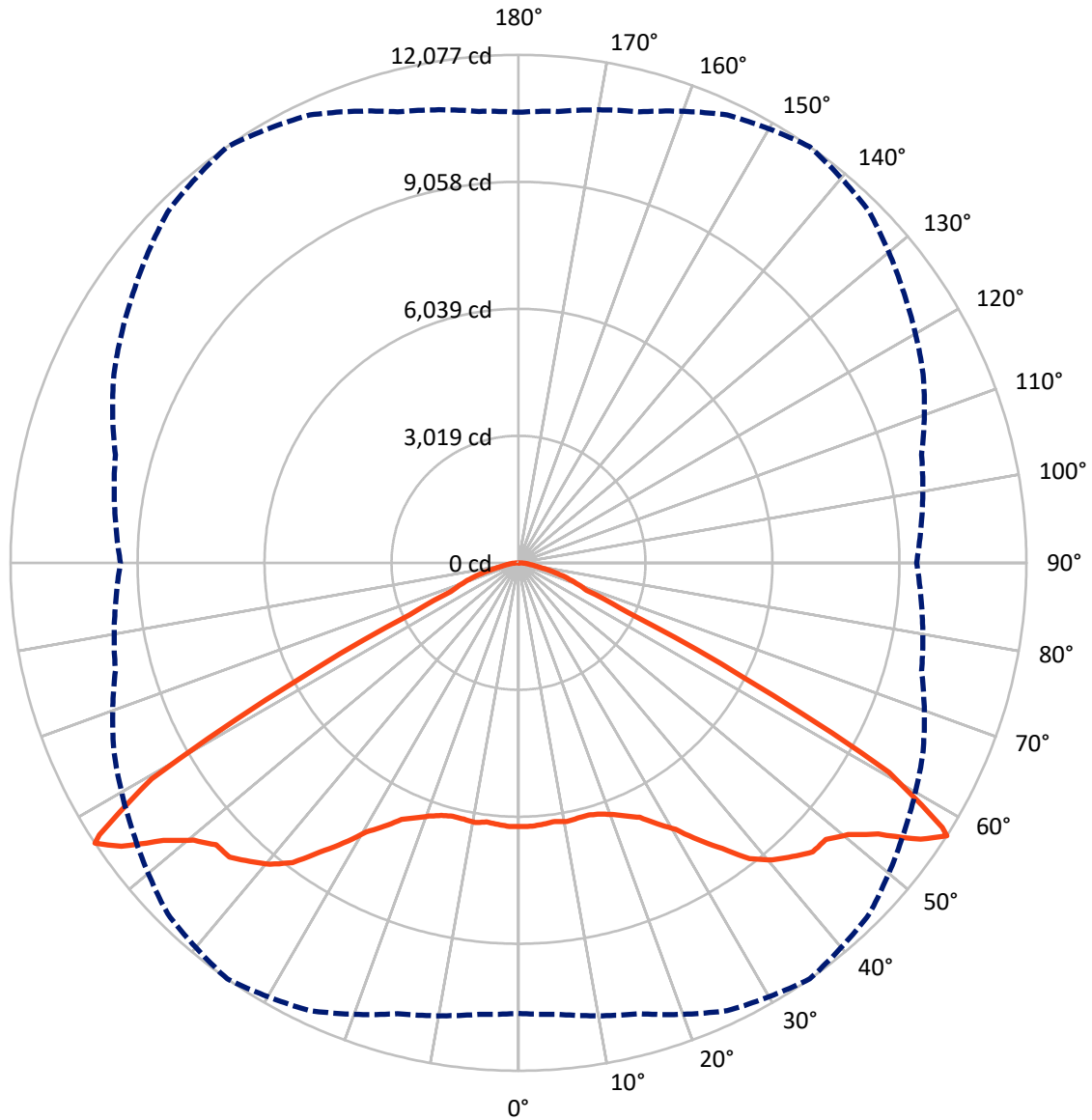
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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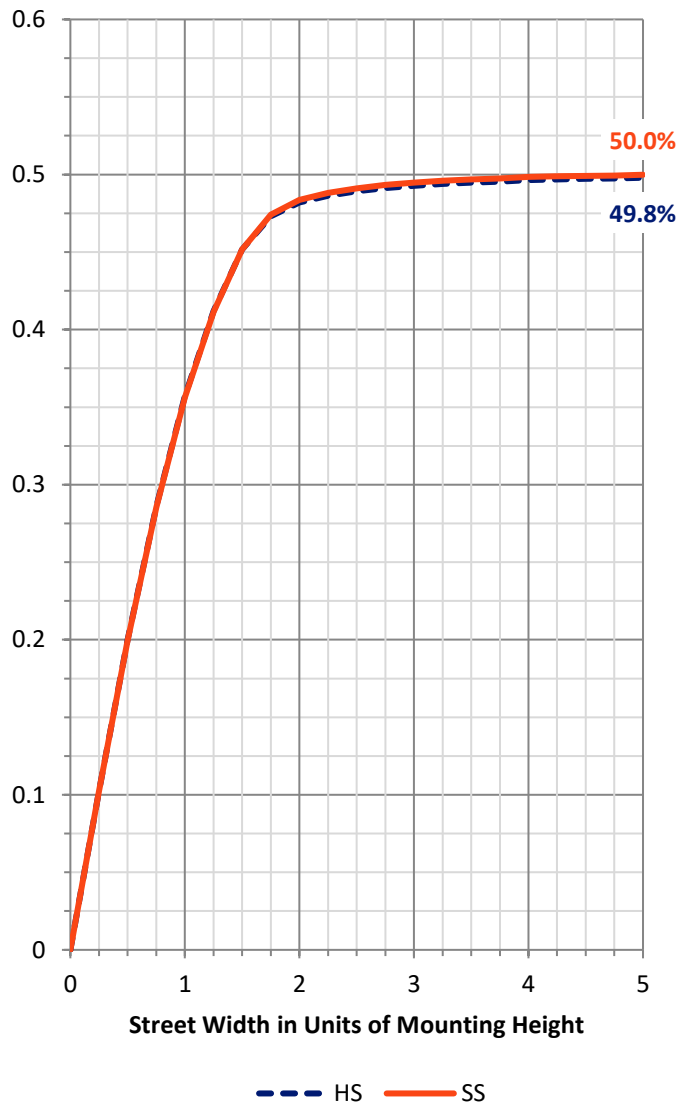
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15877.7	0.0	15877.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15877.7	0.0	15877.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	31755.3	0.0	31755.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.6	1.9
10°-20°	1760.9	5.5
20°-30°	3075.4	9.7
30°-40°	5039.1	15.9
40°-50°	7388.6	23.3
50°-60°	9306.5	29.3
60°-70°	3500.1	11.0
70°-80°	930.6	2.9
80°-90°	159.6	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°	31755.3	100.0
0°-180°	31755.3	100.0

Coefficient of Utilization

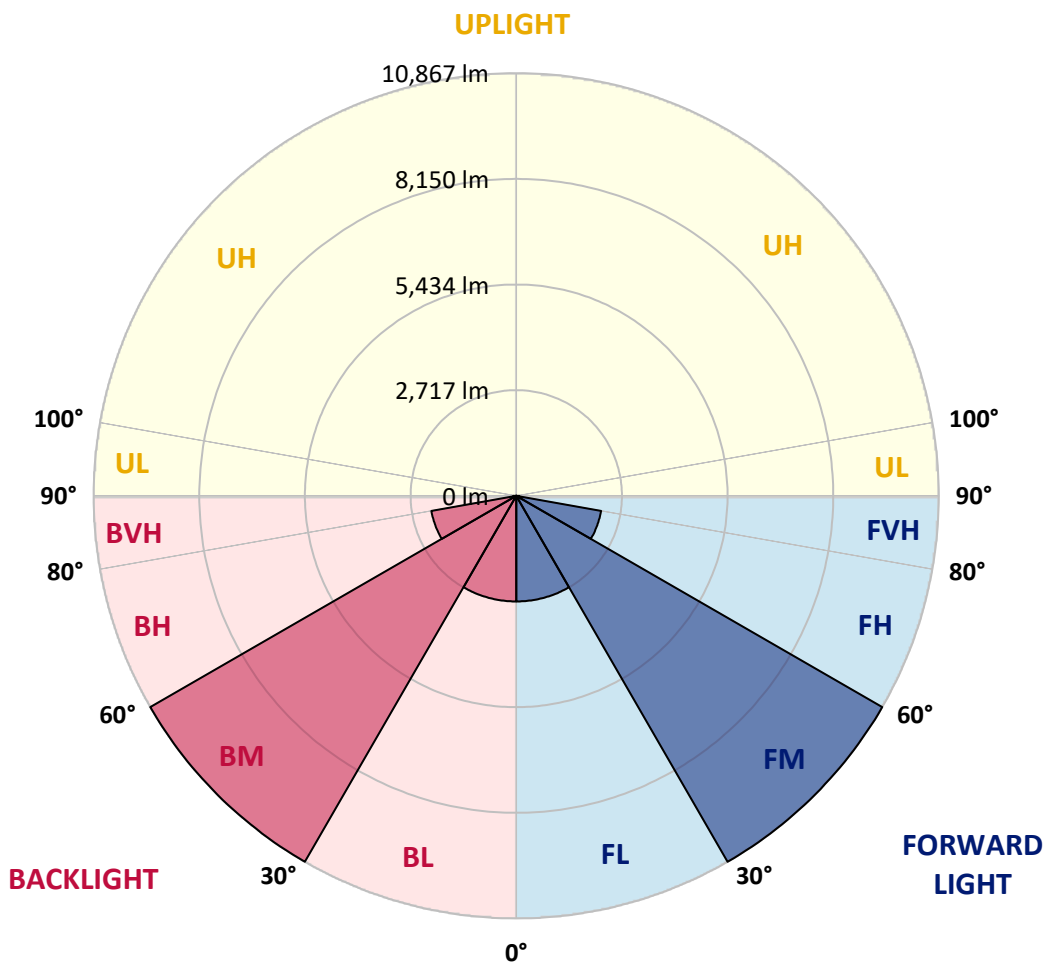


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2715.4	8.6			
FM (30°-60°)	10867.1	34.2			
FH (60°-80°)	2215.4	7.0			G2/5000
FVH (80°-90°)	79.8	0.3			G1/100
BL (0°-30°)	2715.4	8.6	B4/5000		
BM (30°-60°)	10867.1	34.2	B5		
BH (60°-80°)	2215.4	7.0	B3/2500		G2/5000
BVH (80°-90°)	79.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6271.4	6271.4	6271.4	6271.4	6271.4	6271.4	6271.4	6271.4	6271.4	6271.4	6271.4
2.5°	6240.1	6302.8	6275.4	6259.7	6271.4	6251.9	6220.6	6255.8	6247.9	6216.7	6205.0
5°	6224.5	6271.4	6240.1	6271.4	6240.1	6294.9	6279.3	6220.6	6291.0	6224.5	6247.9
7.5°	6212.8	6228.4	6236.2	6220.6	6208.9	6275.4	6240.1	6212.8	6173.6	6161.9	6181.5
10°	6185.4	6224.5	6165.8	6244.0	6259.7	6212.8	6212.8	6161.9	6130.6	6111.1	6177.6
12.5°	6255.8	6189.3	6181.5	6220.6	6232.3	6251.9	6197.1	6169.7	6111.1	6118.8	6107.2
15°	6173.6	6201.0	6205.0	6212.8	6224.5	6271.4	6220.6	6161.9	6138.4	6056.3	6064.1
17.5°	6205.0	6177.6	6205.0	6294.9	6279.3	6314.5	6259.7	6169.7	6114.9	6068.0	6130.6
20°	6259.7	6247.9	6259.7	6369.2	6388.8	6420.1	6373.2	6291.0	6185.4	6130.6	6161.9
22.5°	6318.4	6310.6	6318.4	6424.0	6537.5	6576.6	6529.7	6338.0	6283.2	6181.5	6146.2
25°	6424.0	6431.9	6514.0	6631.4	6705.7	6780.1	6693.9	6557.1	6381.0	6318.4	6244.0
27.5°	6658.8	6678.4	6725.3	6897.4	7026.6	7093.0	6971.8	6784.0	6674.4	6545.3	6525.8
30°	6948.3	6948.3	7030.4	7179.1	7355.2	7456.9	7308.2	7085.2	6952.2	6881.8	6838.7
32.5°	7331.7	7288.6	7320.0	7582.1	7855.9	7942.0	7742.5	7468.6	7257.3	7163.4	7132.2
35°	7660.3	7687.7	7758.1	8039.8	8345.0	8544.5	8231.5	7875.5	7660.3	7574.3	7558.6
37.5°	8086.7	8133.7	8169.0	8556.2	8924.0	8998.3	8697.1	8411.5	8149.4	8078.9	8039.8
40°	8689.3	8657.9	8669.7	8955.3	9287.9	9334.8	9037.5	8834.0	8618.9	8575.8	8575.8
42.5°	9186.2	9150.9	9190.1	9295.7	9549.9	9514.8	9350.4	9201.7	9111.8	9064.9	9111.8
45°	9487.4	9479.5	9549.9	9628.2	9808.2	9690.8	9561.7	9585.2	9499.1	9420.9	9417.0
47.5°	9816.0	9765.2	9851.2	9968.6	9831.7	9776.9	9769.1	9819.9	9792.5	9655.6	9612.6
50°	9976.4	9956.9	10093.8	10230.7	10156.4	10031.2	10058.6	10140.7	9788.6	9604.7	9499.1
52.5°	10406.8	10410.7	10672.8	10747.1	10715.8	10532.0	10590.6	10367.6	9952.9	9694.7	9706.5
55°	11083.6	11056.2	11349.7	11568.7	11603.9	11369.2	11087.5	10774.5	10254.2	9992.1	9913.8
57°	10711.9	10774.5	11099.3	11748.7	12077.3	11799.6	11185.3	10614.1	9921.6	9604.7	9463.9
57.5°	10215.1	10316.8	10880.2	11533.5	11877.8	11854.3	11064.0	10316.8	9698.6	9205.7	9217.4
60°	7484.2	7503.8	8012.4	9049.2	10125.1	10148.5	9186.2	8196.3	7507.7	6971.8	7046.1
62.5°	3947.5	4037.5	4241.0	5074.3	6005.4	6232.3	5649.4	5140.8	4546.1	4139.3	4178.3
65°	2089.2	2077.5	2175.3	2410.0	2867.7	2985.1	2906.9	2503.9	2296.5	2230.0	2233.9
67.5°	1697.9	1717.5	1705.8	1717.5	1748.8	1799.6	1787.9	1803.6	1815.3	1834.9	1831.0
70°	1439.7	1439.7	1447.5	1451.4	1451.4	1474.9	1502.3	1553.2	1557.1	1576.6	1584.5
72.5°	1134.6	1126.7	1138.5	1165.9	1169.8	1189.4	1228.4	1259.8	1271.5	1271.5	1248.0
75°	770.7	778.5	794.2	817.7	841.2	876.3	907.7	927.2	935.1	923.3	911.6
77.5°	434.3	442.1	453.8	489.1	516.4	547.7	582.9	602.5	622.1	626.0	602.5
80°	258.2	258.2	277.8	305.1	336.5	367.8	399.1	422.5	430.3	430.3	418.6
82.5°	156.5	160.4	176.0	203.4	230.8	250.4	277.8	297.3	313.0	309.1	301.2
85°	82.1	82.1	97.8	121.3	140.9	160.4	160.4	148.7	140.9	121.3	113.5
87.5°	27.4	23.5	31.3	31.3	27.4	31.3	31.3	35.2	35.2	35.2	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)