

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: P652148

Luminaire Tested: **GALN-SA1B-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2906.5 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

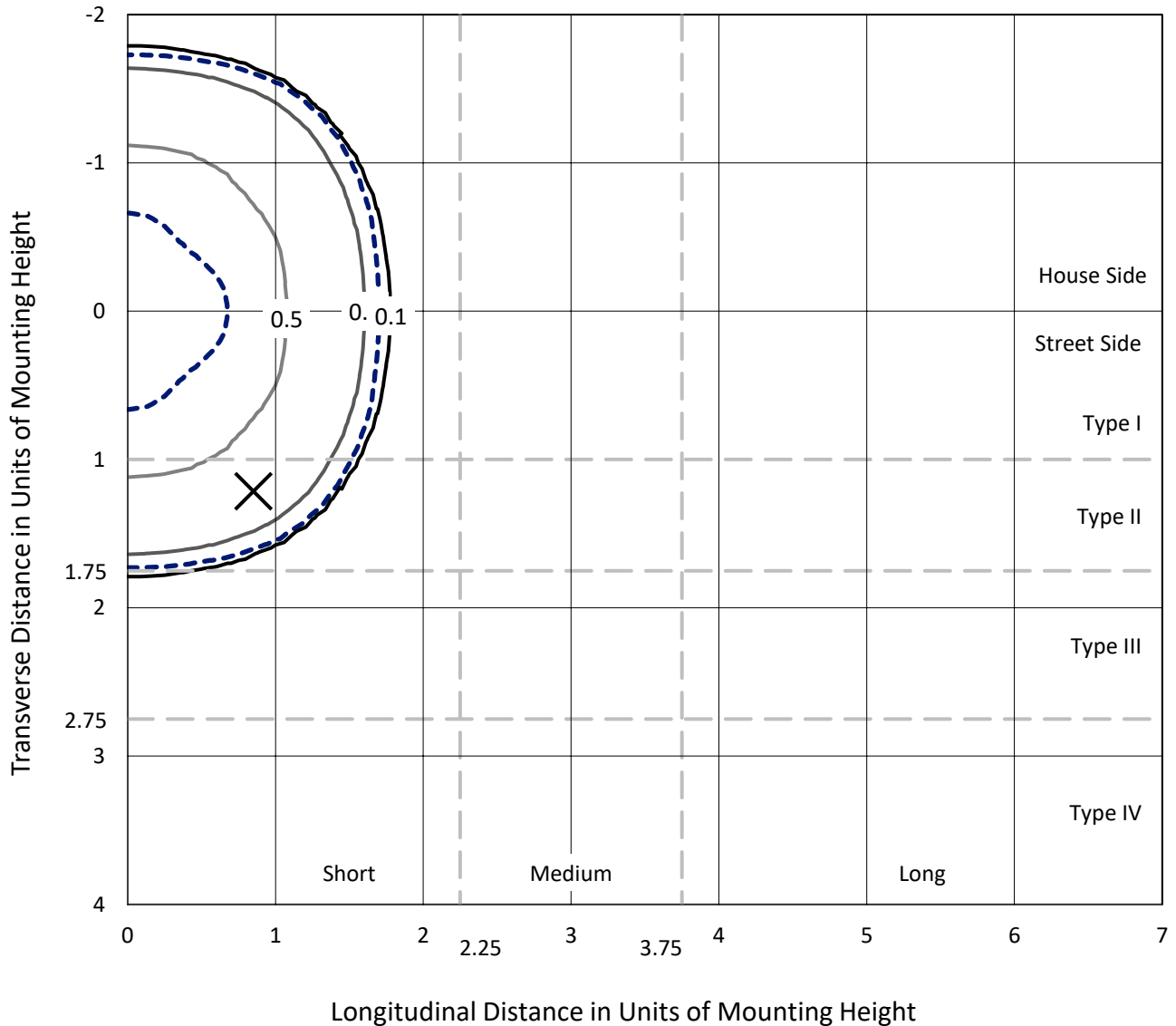
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

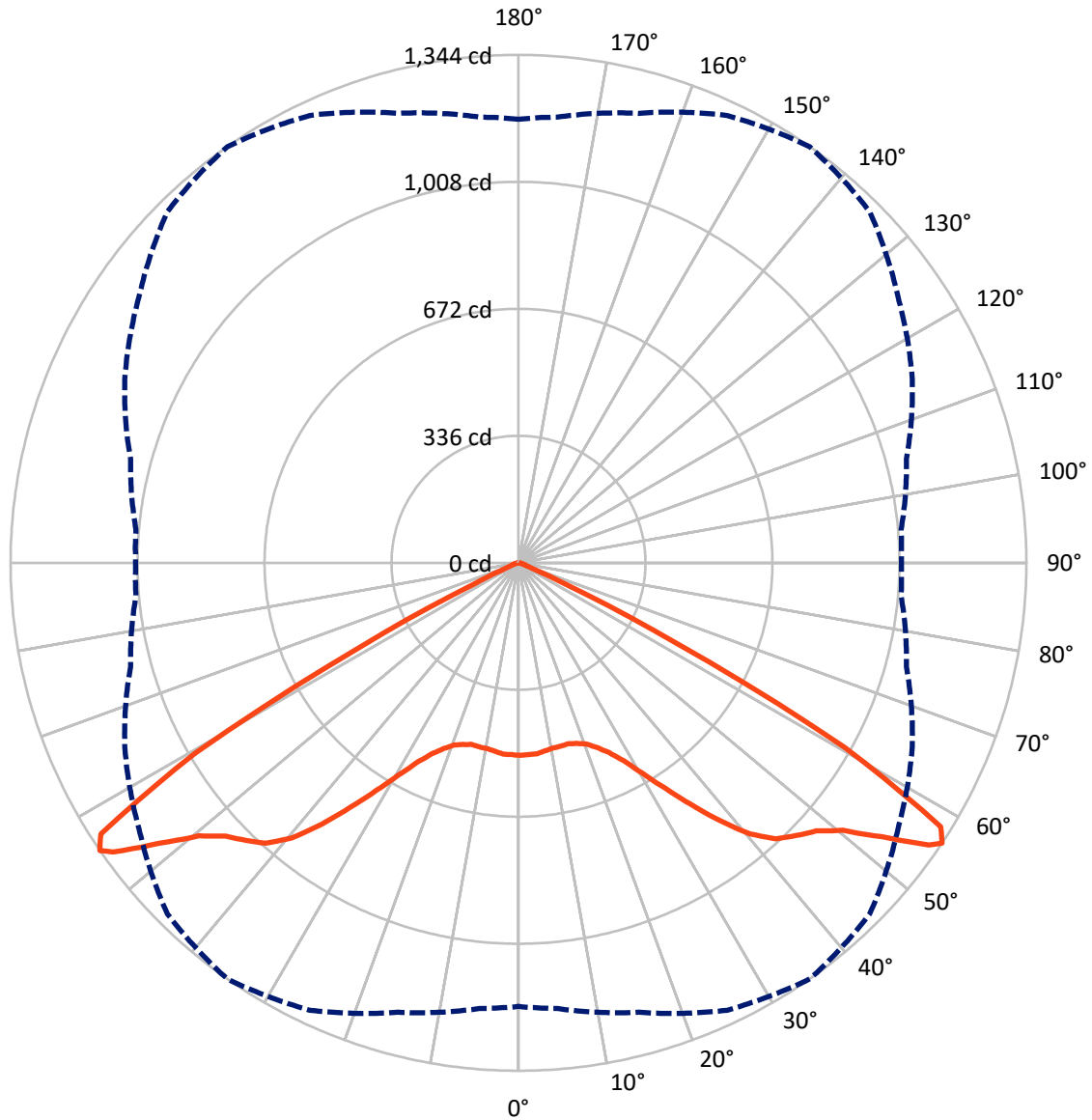
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1453.2	0.0	1453.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1453.2	0.0	1453.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2906.5	0.0	2906.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	1.6
10°-20°	139.7	4.8
20°-30°	253.0	8.7
30°-40°	469.2	16.1
40°-50°	770.2	26.5
50°-60°	992.3	34.1
60°-70°	218.7	7.5
70°-80°	12.7	0.4
80°-90°	2.7	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°	2906.5	100.0
0°-180°	2906.5	100.0

Coefficient of Utilization

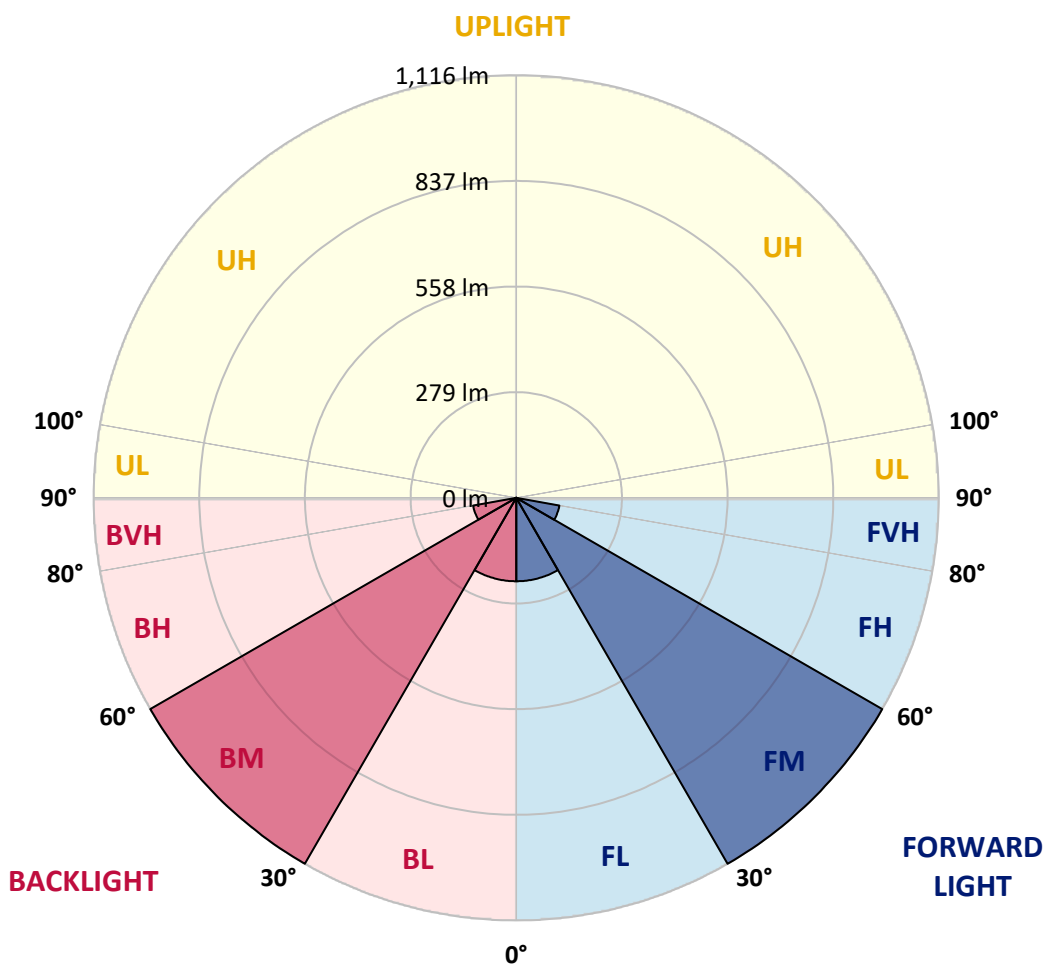


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.3	7.6			
FM (30°-60°)	1115.9	38.4			
FH (60°-80°)	115.7	4.0			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	220.3	7.6	B1/500		
BM (30°-60°)	1115.9	38.4	B2/2500		
BH (60°-80°)	115.7	4.0	B1/500		G0/660
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3
2.5°	510.3	510.3	510.8	511.4	507.7	506.1	506.6	505.6	505.1	506.6	506.6
5°	508.7	508.7	507.2	507.7	507.7	503.0	503.0	504.0	504.0	500.8	499.8
7.5°	504.5	503.5	501.4	504.0	502.4	502.4	498.7	496.1	495.1	497.2	495.1
10°	495.6	496.1	498.2	499.3	498.2	501.4	495.1	491.4	487.7	486.1	486.1
12.5°	491.4	494.5	491.4	494.0	497.7	495.1	491.4	488.7	483.5	481.4	481.4
15°	490.8	493.0	494.0	497.7	496.1	497.2	489.8	486.6	478.7	475.1	473.5
17.5°	490.3	493.0	494.5	501.4	502.4	503.0	497.2	487.7	480.8	477.2	473.5
20°	496.1	497.2	500.3	507.2	511.4	518.7	508.2	498.2	483.5	479.3	477.7
22.5°	503.5	508.7	511.9	519.3	530.3	536.6	522.9	510.3	495.1	489.8	483.5
25°	527.2	526.1	531.4	546.6	555.6	560.4	549.3	530.8	510.8	504.5	505.6
27.5°	556.7	557.8	562.5	579.4	592.5	599.9	586.7	562.5	542.9	532.4	531.4
30°	595.1	594.1	599.4	622.0	645.7	656.7	633.6	605.1	586.2	572.5	575.7
32.5°	635.7	636.2	650.9	671.5	710.0	731.5	694.2	659.3	630.9	621.5	616.7
35°	695.8	698.4	710.0	741.5	784.2	812.1	771.0	729.4	696.8	679.4	681.5
37.5°	769.9	767.3	786.8	821.1	865.8	886.3	851.6	804.2	771.0	759.4	766.8
40°	849.0	851.6	861.6	892.7	942.8	956.4	904.8	879.0	850.0	844.2	853.2
42.5°	928.0	926.4	933.8	961.7	998.0	988.5	958.0	942.8	922.2	910.6	922.7
45°	985.9	983.3	997.0	1015.9	1029.1	1011.2	997.5	992.2	981.7	969.1	980.1
47.5°	1042.3	1040.1	1053.4	1058.6	1059.7	1035.9	1038.6	1048.1	1021.7	995.4	1008.0
50°	1090.2	1086.5	1102.8	1114.4	1111.8	1073.9	1083.4	1073.9	1032.7	1001.7	997.0
52.5°	1170.3	1171.8	1189.2	1210.3	1204.0	1172.4	1158.6	1115.5	1062.8	1034.9	1018.5
55°	1220.8	1212.9	1242.9	1309.8	1317.2	1284.5	1224.0	1160.2	1081.3	1047.0	1042.8
56°	1173.4	1183.4	1230.8	1305.6	1343.5	1313.5	1225.5	1149.1	1062.3	1015.9	1012.7
57.5°	1052.8	1047.5	1111.8	1214.0	1317.2	1304.6	1182.4	1070.2	969.1	916.9	910.6
60°	655.1	670.4	726.8	853.2	991.2	997.5	876.3	779.9	662.0	615.7	626.7
62.5°	256.5	243.3	278.6	372.9	467.7	488.7	443.0	368.1	302.3	256.5	253.3
65°	59.5	57.9	65.3	90.1	125.9	145.9	138.5	99.6	73.2	69.6	64.3
67.5°	33.7	33.7	32.1	32.1	35.3	37.4	35.8	35.3	36.8	38.4	37.9
70°	23.7	23.2	22.1	22.6	21.6	21.6	23.2	25.8	27.9	27.9	28.4
72.5°	14.2	14.2	14.2	15.8	15.8	15.8	17.4	19.5	20.0	19.5	18.9
75°	6.3	6.3	7.4	8.9	10.0	10.5	12.1	13.2	14.2	13.2	12.1
77.5°	1.6	1.6	2.6	3.7	4.7	5.8	7.9	9.5	10.0	9.5	7.9
80°	0.5	0.5	1.1	2.6	4.7	5.8	7.9	8.4	8.9	7.9	6.3
82.5°	0.5	0.5	1.1	2.6	3.7	4.7	6.3	7.4	7.9	6.8	6.3
85°	0.0	0.5	1.1	2.1	3.2	4.2	4.2	3.2	2.6	1.6	2.1
87.5°	0.0	0.0	0.5	0.5	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)