

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: P526323

Luminaire Tested: **GALN-SA1B-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526323
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-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 3219 lumens
Efficiency: N/A
Efficacy: 73.2 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

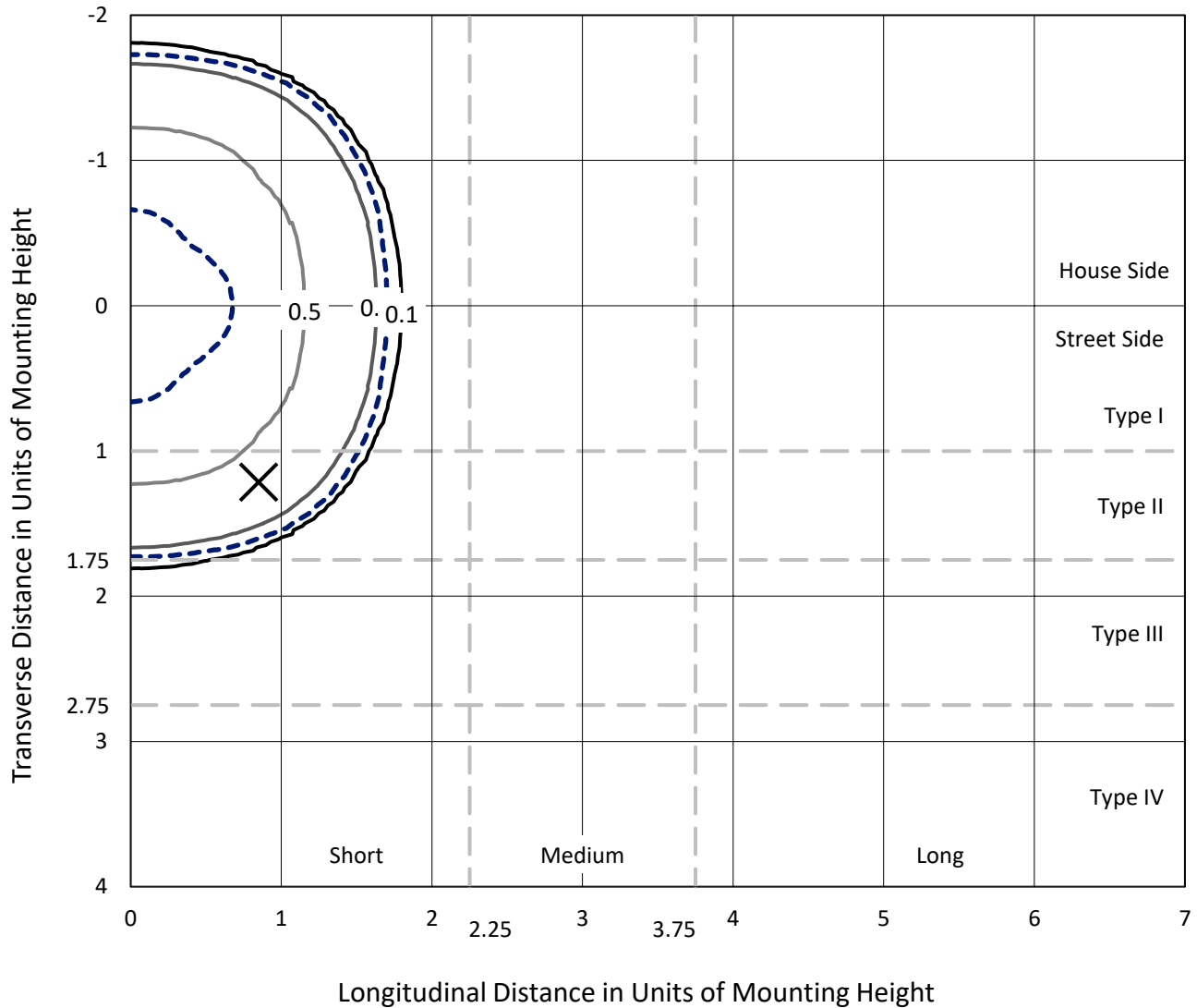
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

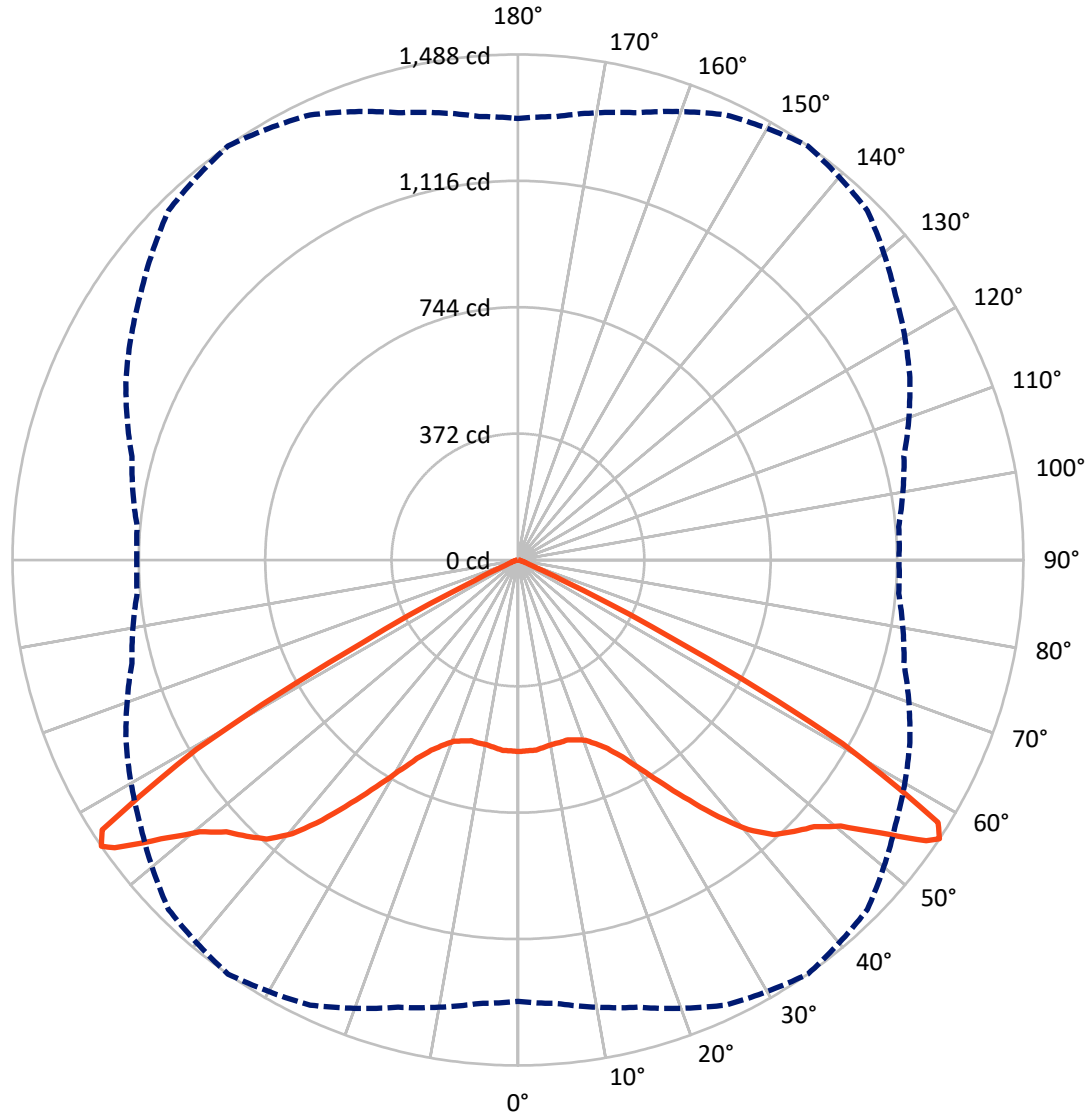
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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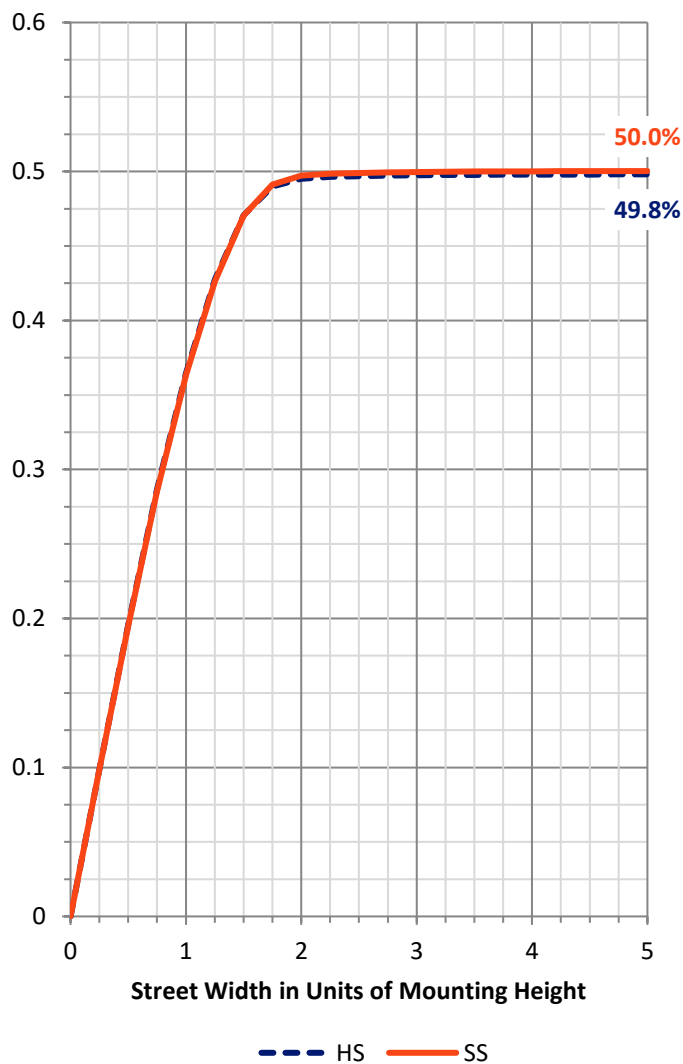
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1609.5	0.0	1609.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1609.5	0.0	1609.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3219.0	0.0	3219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	1.6
10°-20°	154.8	4.8
20°-30°	280.3	8.7
30°-40°	519.7	16.1
40°-50°	853.1	26.5
50°-60°	1099.0	34.1
60°-70°	242.2	7.5
70°-80°	14.0	0.4
80°-90°	3.0	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°	3219.0	100.0
0°-180°	3219.0	100.0

Coefficient of Utilization

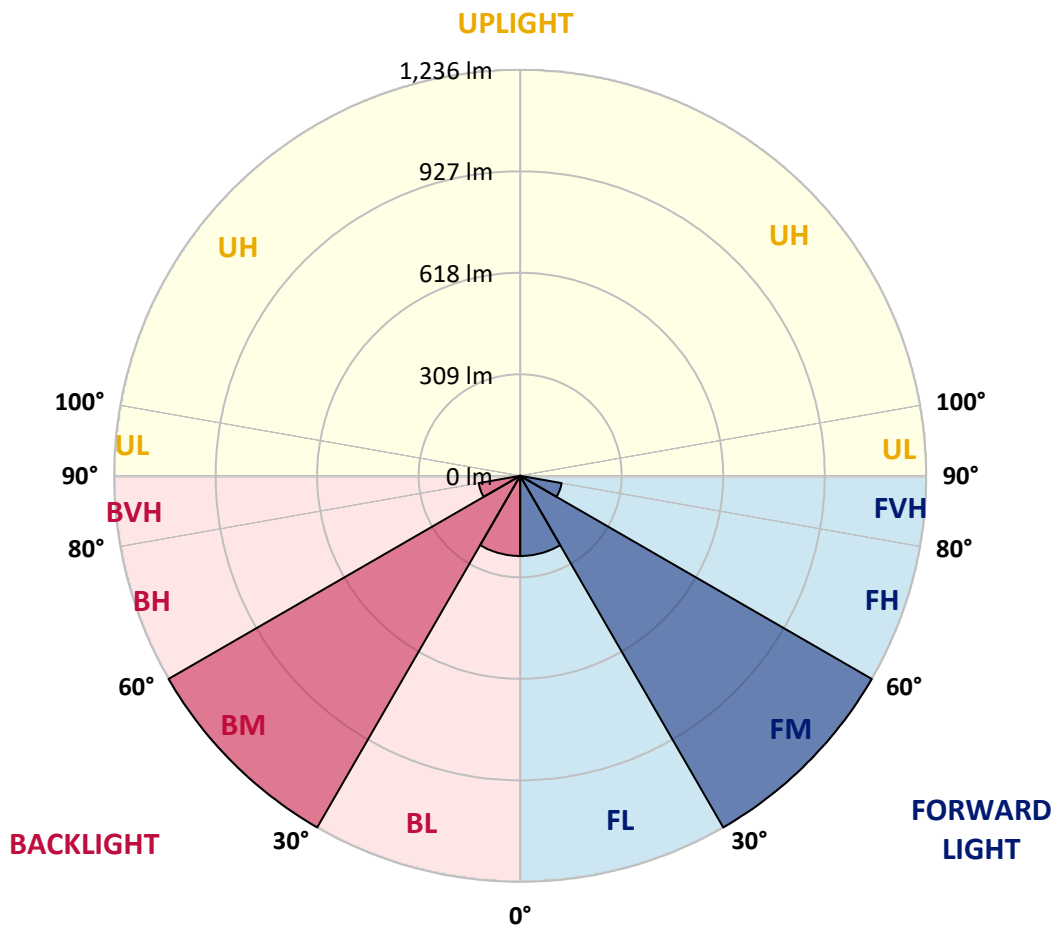


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.0	7.6			
FM (30°-60°)	1235.9	38.4			
FH (60°-80°)	128.1	4.0			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	244.0	7.6	B1/500		
BM (30°-60°)	1235.9	38.4	B2/2500		
BH (60°-80°)	128.1	4.0	B1/500		G0/660
BVH (80°-90°)	1.5	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°	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0
2.5°	565.2	565.2	565.8	566.4	562.3	560.5	561.1	560.0	559.4	561.1	561.1
5°	563.5	563.5	561.7	562.3	562.3	557.0	557.0	558.2	558.2	554.7	553.5
7.5°	558.8	557.6	555.3	558.2	556.5	556.5	552.4	549.5	548.3	550.6	548.3
10°	548.9	549.5	551.8	553.0	551.8	555.3	548.3	544.2	540.1	538.4	538.4
12.5°	544.2	547.7	544.2	547.1	551.2	548.3	544.2	541.3	535.5	533.1	533.1
15°	543.6	546.0	547.1	551.2	549.5	550.6	542.5	539.0	530.2	526.1	524.4
17.5°	543.0	546.0	547.7	555.3	556.5	557.0	550.6	540.1	532.5	528.5	524.4
20°	549.5	550.6	554.1	561.7	566.4	574.5	562.9	551.8	535.5	530.8	529.0
22.5°	557.6	563.5	567.0	575.1	587.4	594.4	579.2	565.2	548.3	542.5	535.5
25°	583.9	582.7	588.5	605.5	615.4	620.6	608.4	588.0	565.8	558.8	560.0
27.5°	616.5	617.7	622.9	641.6	656.2	664.4	649.8	622.9	601.4	589.7	588.5
30°	659.1	657.9	663.8	688.9	715.1	727.4	701.7	670.2	649.2	634.0	637.5
32.5°	704.0	704.6	720.9	743.7	786.3	810.2	768.8	730.3	698.8	688.3	683.0
35°	770.5	773.4	786.3	821.3	868.5	899.4	853.9	807.9	771.7	752.4	754.8
37.5°	852.8	849.8	871.4	909.3	958.9	981.7	943.2	890.7	853.9	841.1	849.3
40°	940.3	943.2	954.3	988.7	1044.1	1059.2	1002.1	973.5	941.4	935.0	944.9
42.5°	1027.8	1026.0	1034.2	1065.1	1105.3	1094.8	1061.0	1044.1	1021.3	1008.5	1021.9
45°	1091.9	1089.0	1104.2	1125.2	1139.7	1119.9	1104.7	1098.9	1087.2	1073.2	1085.5
47.5°	1154.3	1152.0	1166.6	1172.4	1173.6	1147.3	1150.2	1160.7	1131.6	1102.4	1116.4
50°	1207.4	1203.3	1221.4	1234.2	1231.3	1189.3	1199.8	1189.3	1143.8	1109.4	1104.2
52.5°	1296.1	1297.8	1317.1	1340.4	1333.4	1298.4	1283.2	1235.4	1177.1	1146.2	1128.1
55°	1352.1	1343.3	1376.6	1450.6	1458.8	1422.6	1355.6	1285.0	1197.5	1159.6	1154.9
56°	1299.6	1310.6	1363.1	1446.0	1488.0	1454.7	1357.3	1272.7	1176.5	1125.2	1121.7
57.5°	1166.0	1160.2	1231.3	1344.5	1458.8	1444.8	1309.5	1185.2	1073.2	1015.5	1008.5
60°	725.6	742.5	804.9	944.9	1097.7	1104.7	970.6	863.8	733.2	681.9	694.1
62.5°	284.1	269.5	308.6	413.0	518.0	541.3	490.5	407.7	334.8	284.1	280.6
65°	65.9	64.2	72.3	99.7	139.4	161.6	153.4	110.2	81.1	77.0	71.2
67.5°	37.3	37.3	35.6	35.6	39.1	41.4	39.7	39.1	40.8	42.6	42.0
70°	26.2	25.7	24.5	25.1	23.9	23.9	25.7	28.6	30.9	30.9	31.5
72.5°	15.7	15.7	15.7	17.5	17.5	17.5	19.2	21.6	22.2	21.6	21.0
75°	7.0	7.0	8.2	9.9	11.1	11.7	13.4	14.6	15.7	14.6	13.4
77.5°	1.7	1.7	2.9	4.1	5.2	6.4	8.7	10.5	11.1	10.5	8.7
80°	0.6	0.6	1.2	2.9	5.2	6.4	8.7	9.3	9.9	8.7	7.0
82.5°	0.6	0.6	1.2	2.9	4.1	5.2	7.0	8.2	8.7	7.6	7.0
85°	0.0	0.6	1.2	2.3	3.5	4.7	4.7	3.5	2.9	1.7	2.3
87.5°	0.0	0.0	0.6	0.6	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)