

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: P526327

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526327
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-SA1B-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2798 lumens
Efficiency: N/A
Efficacy: 63.6 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

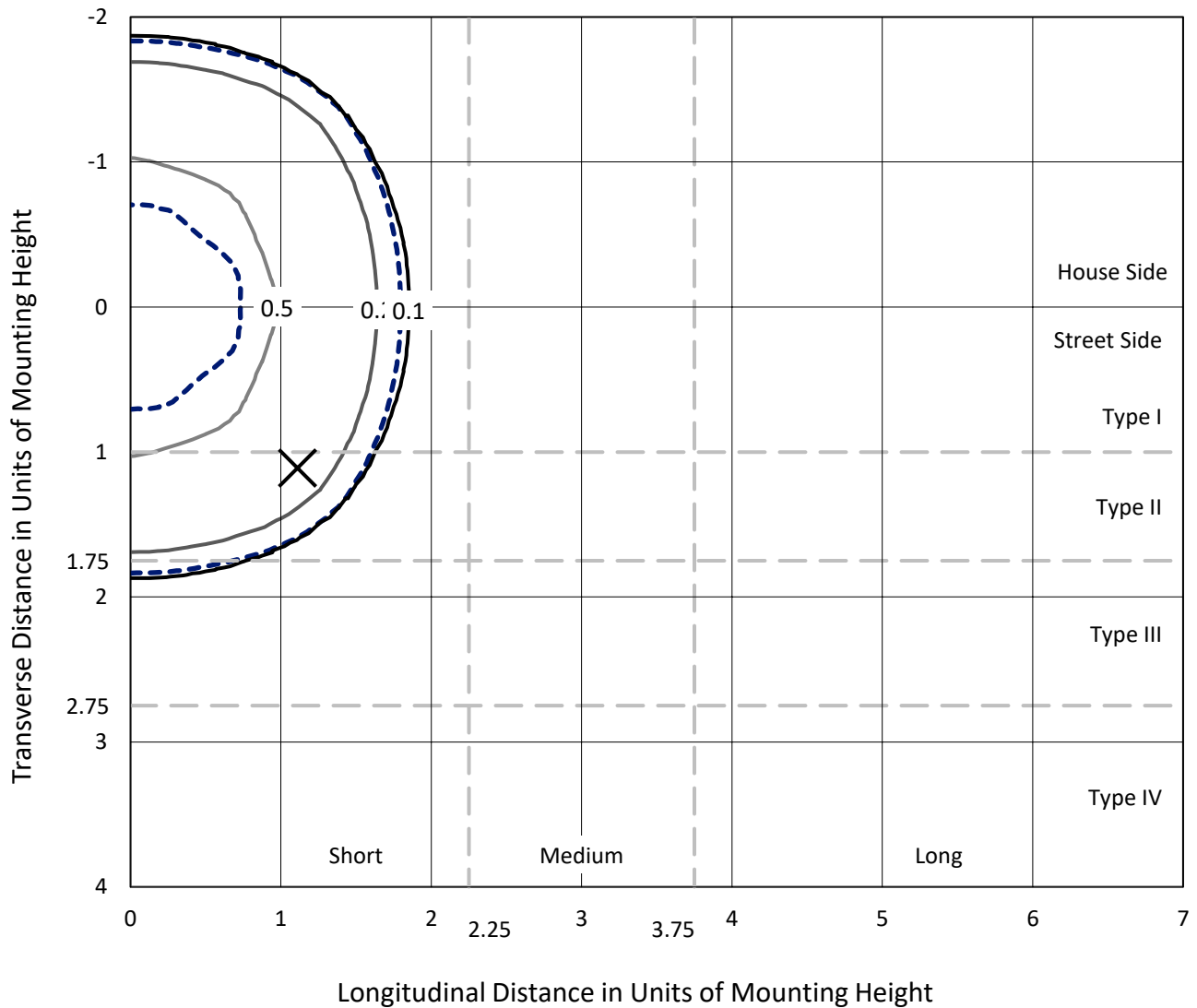
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

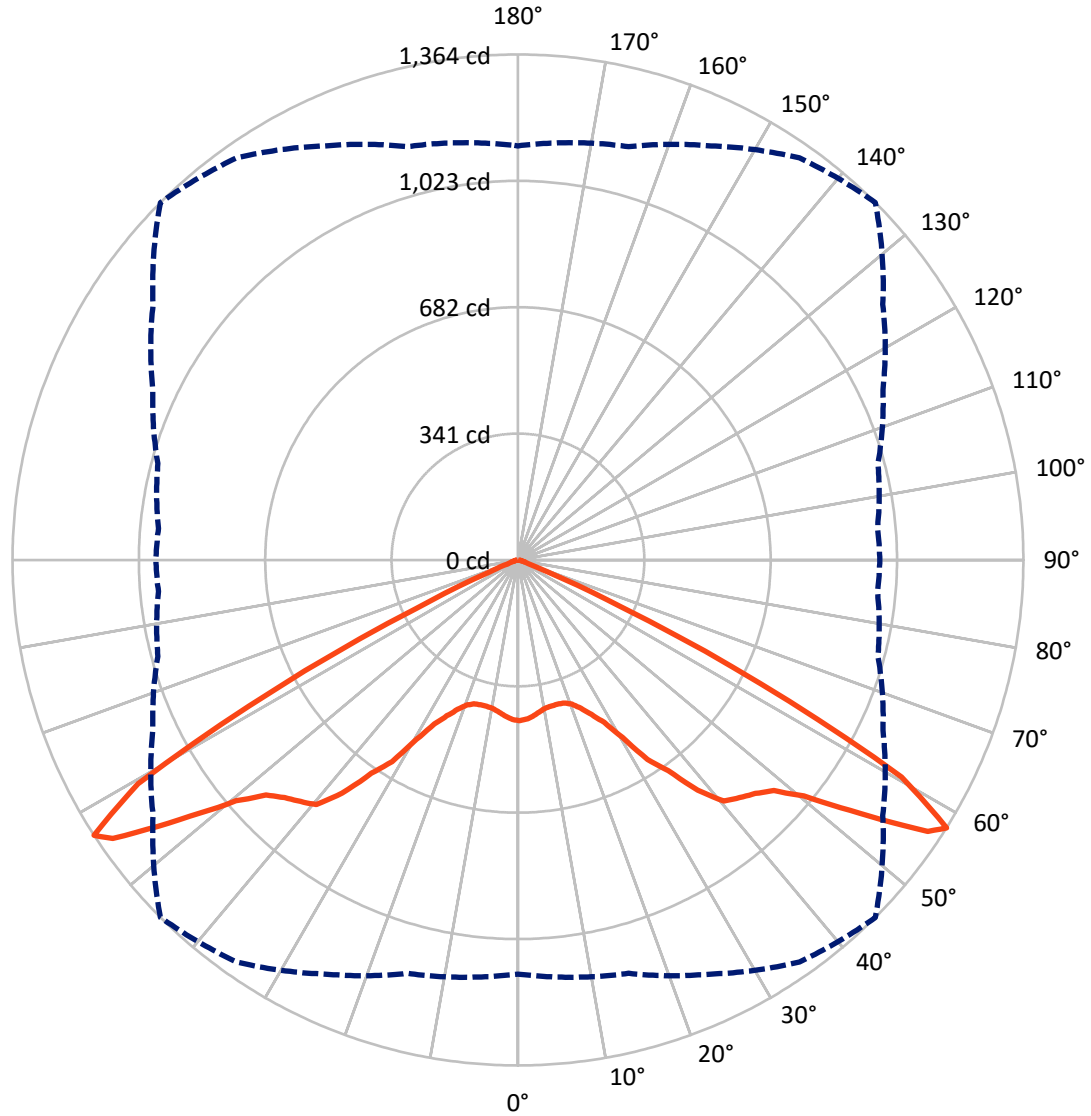
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	1399.0	0.0	1399.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1399.0	0.0	1399.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2798.0	0.0	2798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.4
10°-20°	115.3	4.1
20°-30°	212.8	7.6
30°-40°	418.5	15.0
40°-50°	681.6	24.4
50°-60°	972.0	34.7
60°-70°	336.5	12.0
70°-80°	18.0	0.6
80°-90°	3.4	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°	2798.0	100.0
0°-180°	2798.0	100.0

Coefficient of Utilization

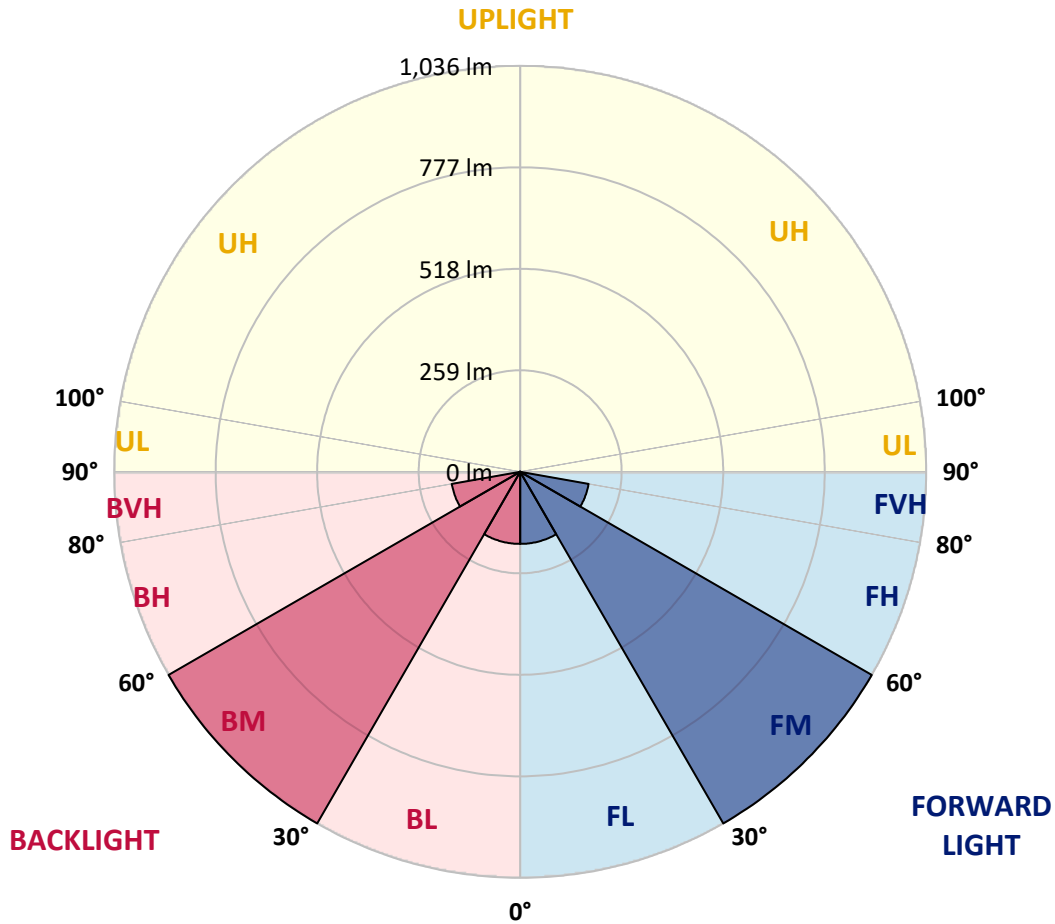


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.0	6.6			
FM (30°-60°)	1036.0	37.0			
FH (60°-80°)	177.3	6.3			G0/660
FVH (80°-90°)	1.7	0.1			G0/10
BL (0°-30°)	184.0	6.6	B1/500		
BM (30°-60°)	1036.0	37.0	B2/2500		
BH (60°-80°)	177.3	6.3	B1/500		G0/660
BVH (80°-90°)	1.7	0.1			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°	434.0	434.0	434.0	434.0	434.0	434.0	434.0	434.0	434.0	434.0	434.0
2.5°	432.8	435.2	432.2	431.1	430.5	430.5	428.7	428.7	428.2	428.7	426.4
5°	425.8	428.2	428.2	427.6	424.1	423.5	421.7	420.6	421.2	418.8	420.6
7.5°	418.8	420.6	418.2	417.7	416.5	414.2	413.6	408.3	408.9	408.9	410.1
10°	417.7	417.1	413.6	410.7	407.2	406.6	404.8	403.7	403.7	403.1	404.8
12.5°	417.7	414.7	414.2	407.7	401.9	404.2	399.6	396.7	400.7	401.9	404.2
15°	417.1	420.0	410.1	407.2	403.1	403.7	399.6	396.7	399.0	400.2	401.9
17.5°	420.6	418.8	415.9	410.1	408.3	406.0	400.7	398.4	398.4	401.3	401.9
20°	429.9	425.2	419.4	416.5	418.2	415.3	408.9	400.2	402.5	404.8	406.6
22.5°	438.7	435.2	431.1	429.3	439.2	434.6	423.5	413.6	410.1	414.2	417.1
25°	455.6	455.6	448.0	450.3	461.4	462.0	449.2	431.7	429.3	431.1	432.2
27.5°	490.0	491.7	485.3	487.7	492.3	496.4	485.3	470.7	465.5	464.9	466.7
30°	527.3	530.8	530.2	540.2	553.6	555.9	539.6	515.7	499.9	497.0	499.3
32.5°	576.3	578.1	576.9	588.6	624.7	641.7	599.1	565.2	544.2	549.5	544.2
35°	668.5	666.7	653.9	656.2	686.0	698.2	657.4	635.8	625.9	636.4	634.1
37.5°	747.8	741.4	730.9	746.1	777.0	788.1	745.5	707.6	689.5	707.0	714.6
40°	814.9	798.6	784.0	799.2	840.6	855.7	793.3	762.4	755.4	768.2	784.6
42.5°	871.5	861.0	841.7	842.9	870.3	877.3	827.2	809.1	802.1	822.5	830.7
45°	911.7	901.8	883.7	882.6	903.6	898.9	854.0	841.7	845.8	859.2	863.3
47.5°	932.2	937.4	926.9	929.8	940.9	929.8	894.2	894.2	884.9	893.1	889.0
50°	991.1	974.7	988.2	988.2	999.8	1001.0	965.4	952.6	927.5	913.5	913.5
52.5°	1059.9	1061.1	1066.3	1085.6	1105.4	1122.3	1071.6	1016.7	974.7	956.7	954.3
55°	1116.5	1128.2	1149.2	1185.3	1242.5	1265.8	1178.3	1080.3	1029.0	1001.0	995.2
56°	1147.4	1136.3	1172.5	1222.1	1296.7	1327.1	1195.8	1093.2	1036.6	1005.1	1004.5
57.5°	1117.7	1129.9	1155.0	1233.2	1324.7	1364.4	1202.2	1087.3	1006.2	974.2	977.1
60°	882.6	894.2	928.1	1015.6	1159.1	1190.0	1017.3	896.6	824.2	778.2	778.7
62.5°	499.3	508.1	534.3	615.4	704.7	734.4	634.1	553.6	503.4	477.7	469.6
65°	183.7	180.2	184.3	225.7	280.6	305.7	263.7	222.8	196.6	187.2	183.7
67.5°	68.8	63.6	59.5	63.6	79.9	84.6	77.6	64.7	60.7	62.4	63.6
70°	42.6	40.2	32.1	30.3	29.7	29.2	30.9	32.7	37.3	43.7	44.9
72.5°	29.7	28.0	22.7	21.6	20.4	19.8	22.7	25.1	29.2	33.8	34.4
75°	11.7	12.2	11.7	12.8	13.4	14.0	16.3	18.1	19.8	19.8	19.2
77.5°	2.3	2.3	3.5	4.7	5.8	7.6	11.1	12.8	13.4	12.8	11.1
80°	0.0	0.0	1.2	2.3	4.7	6.4	9.9	11.1	12.2	11.1	8.7
82.5°	0.0	0.0	1.2	2.9	4.7	5.8	9.3	11.7	13.4	12.2	9.3
85°	0.0	0.0	1.2	2.3	3.5	4.1	4.1	2.9	2.9	1.7	1.2
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)