

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: P647696

Luminaire Tested: **GALN-SA1A-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2489.2 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

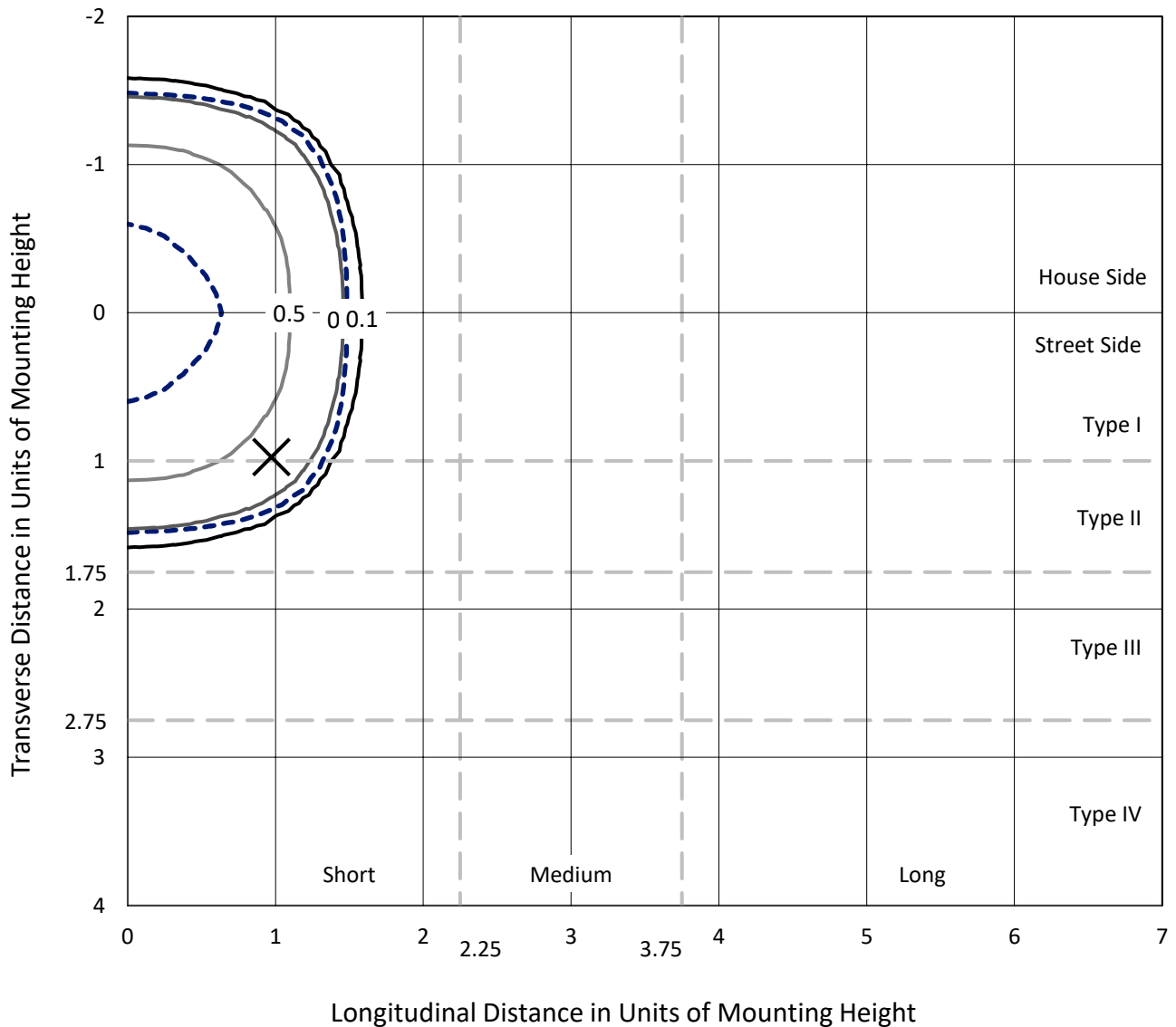
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

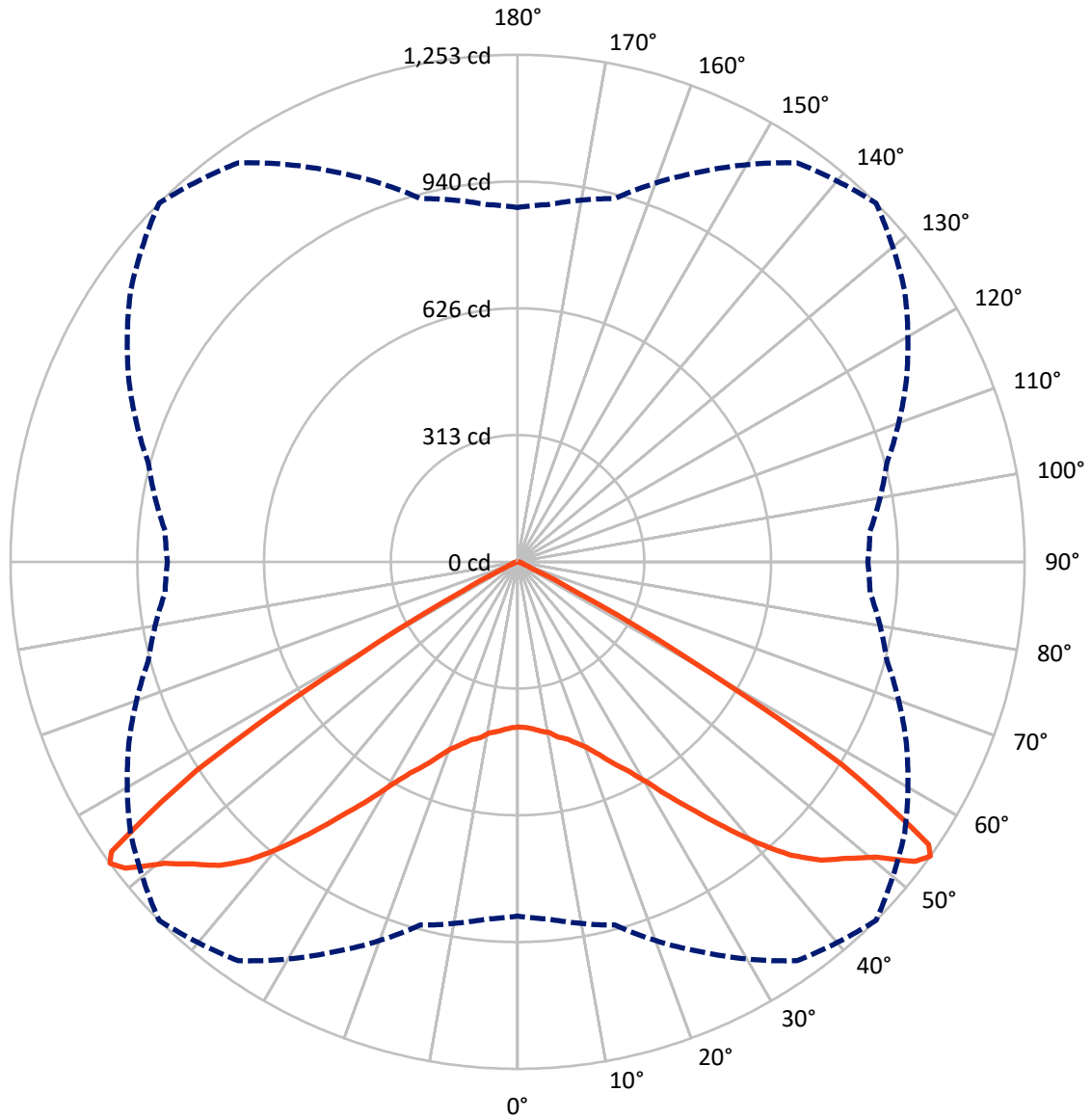
× Max cd
 - - - 1/2 Max cd



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 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1244.6	0.0	1244.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1244.6	0.0	1244.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2489.2	0.0	2489.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.6
10°-20°	129.4	5.2
20°-30°	253.6	10.2
30°-40°	455.9	18.3
40°-50°	780.5	31.4
50°-60°	755.2	30.3
60°-70°	64.6	2.6
70°-80°	7.7	0.3
80°-90°	2.4	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°	2489.2	100.0
0°-180°	2489.2	100.0

Coefficient of Utilization

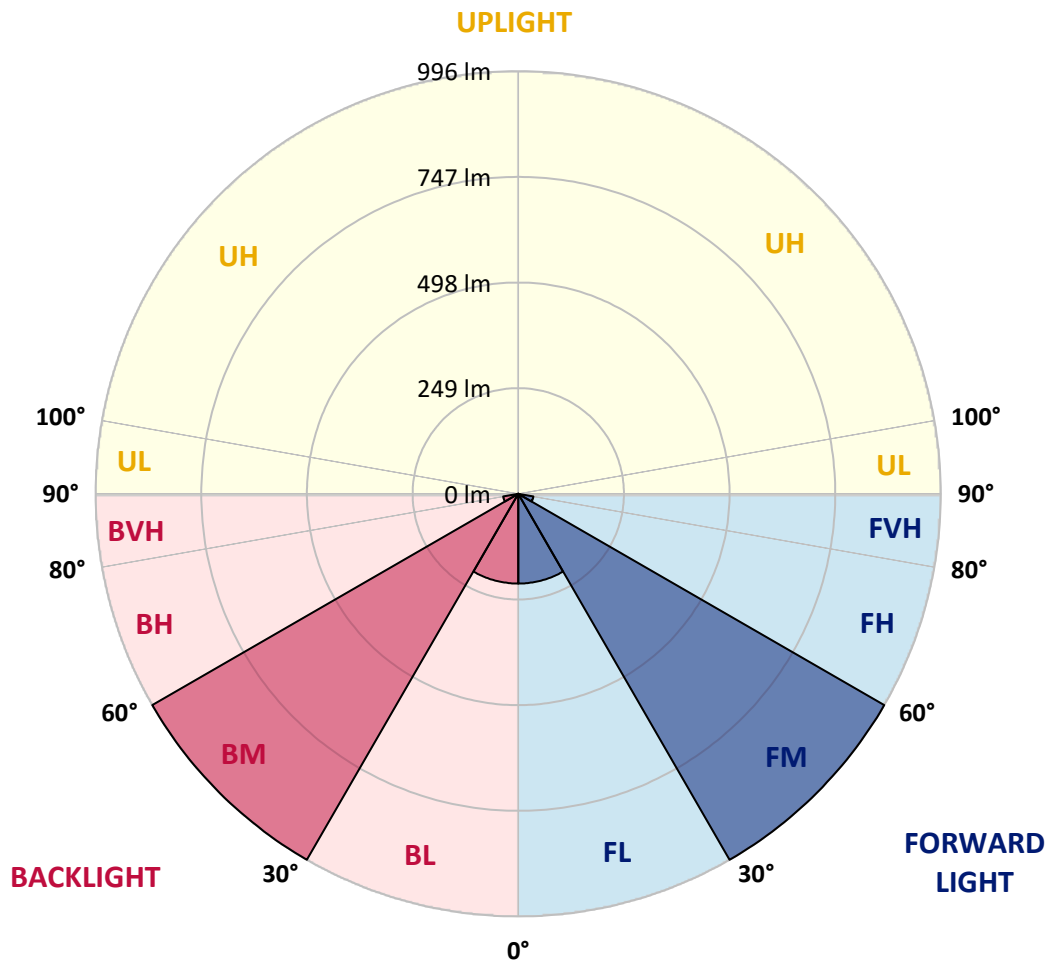


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.4	8.5			
FM (30°-60°)	995.8	40.0			
FH (60°-80°)	36.2	1.5			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	211.4	8.5	B1/500		
BM (30°-60°)	995.8	40.0	B1/1000		
BH (60°-80°)	36.2	1.5	B0/110		G0/660
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2
2.5°	410.1	412.5	410.9	412.1	412.1	410.1	411.3	406.5	409.7	407.3	407.8
5°	416.4	416.0	416.0	416.4	414.8	415.6	414.1	412.5	411.3	409.7	414.4
7.5°	424.3	424.3	421.6	422.4	421.6	422.7	419.6	416.4	415.2	414.1	413.3
10°	431.8	431.0	429.9	433.4	430.6	429.0	427.4	425.5	421.2	419.6	418.0
12.5°	442.9	442.5	440.9	444.4	442.9	444.4	438.5	433.4	432.6	427.4	430.3
15°	455.9	459.4	456.6	456.6	455.9	453.9	451.6	449.1	442.1	440.1	440.5
17.5°	472.9	471.6	472.0	472.0	476.0	470.8	466.1	460.2	456.6	455.5	451.6
20°	489.0	490.5	490.2	492.9	495.3	489.8	484.7	483.9	474.0	475.6	470.0
22.5°	517.4	516.2	518.2	520.1	518.6	517.8	513.0	507.1	498.5	494.5	493.7
25°	547.3	545.4	541.8	546.5	549.0	552.5	543.4	540.3	526.8	520.9	521.3
27.5°	573.0	575.7	579.7	581.7	587.6	586.4	580.0	569.8	559.6	552.9	548.5
30°	608.1	609.6	616.4	619.1	629.4	632.1	622.3	610.4	592.3	583.6	578.5
32.5°	640.4	651.5	651.1	664.8	681.4	692.9	675.1	656.9	638.8	628.6	619.5
35°	692.9	690.9	702.4	716.9	743.7	756.8	737.4	716.5	688.9	672.4	665.2
37.5°	741.7	742.5	757.9	781.2	812.0	832.1	815.1	780.8	752.4	731.1	721.2
40°	812.8	814.3	830.1	856.5	891.2	912.9	893.2	858.5	820.7	804.1	804.1
42.5°	895.9	902.6	912.9	935.8	966.9	991.0	973.3	946.0	907.8	886.5	889.6
45°	981.5	984.7	991.4	1025.3	1039.9	1051.7	1035.1	1022.5	996.9	970.8	966.5
47.5°	1061.6	1062.8	1082.5	1093.1	1104.6	1094.7	1105.4	1088.8	1060.0	1034.7	1029.6
50°	1097.1	1095.1	1123.1	1155.4	1164.1	1146.8	1137.7	1126.7	1082.9	1052.5	1039.1
52.5°	993.7	1005.2	1057.2	1147.2	1215.0	1229.5	1176.7	1125.9	1044.2	985.1	976.0
54°	875.5	886.1	929.1	1062.4	1203.5	1252.8	1167.6	1059.6	944.5	874.2	865.2
55°	758.3	746.5	824.6	960.6	1149.9	1232.3	1131.7	974.1	842.4	778.1	765.4
57.5°	410.5	412.5	478.3	606.9	808.0	944.8	834.4	659.0	497.7	425.5	419.2
60°	130.1	133.3	162.1	245.3	386.1	461.0	395.1	264.6	183.0	146.7	140.8
62.5°	40.6	42.2	46.1	68.6	105.7	151.0	118.3	71.0	52.9	48.5	49.3
65°	24.8	24.8	25.2	26.8	31.6	36.6	35.5	31.2	30.0	29.2	28.8
67.5°	16.1	15.7	16.6	17.8	18.6	18.9	20.1	21.3	20.9	20.1	20.1
70°	9.9	9.5	10.3	11.8	12.2	13.0	14.2	15.7	15.3	14.6	15.0
72.5°	5.6	5.6	6.0	7.1	8.3	9.1	10.3	11.4	11.8	11.4	11.4
75°	2.0	2.3	3.1	4.3	5.1	6.3	7.5	8.7	9.9	9.1	8.7
77.5°	0.8	0.8	1.6	2.7	3.9	5.1	7.1	8.3	9.1	8.3	7.5
80°	0.4	0.4	1.2	2.3	3.5	4.7	6.0	7.1	7.5	6.7	6.0
82.5°	0.4	0.4	1.2	2.3	3.5	4.3	6.3	7.1	7.9	7.1	6.0
85°	0.0	0.4	1.2	2.3	3.1	3.5	3.5	2.3	2.0	1.2	1.2
87.5°	0.0	0.0	0.4	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)