

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: P647707

Luminaire Tested: **GALN-SA1A-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3174.3 lumens
Efficiency: N/A
Efficacy: 96.2 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

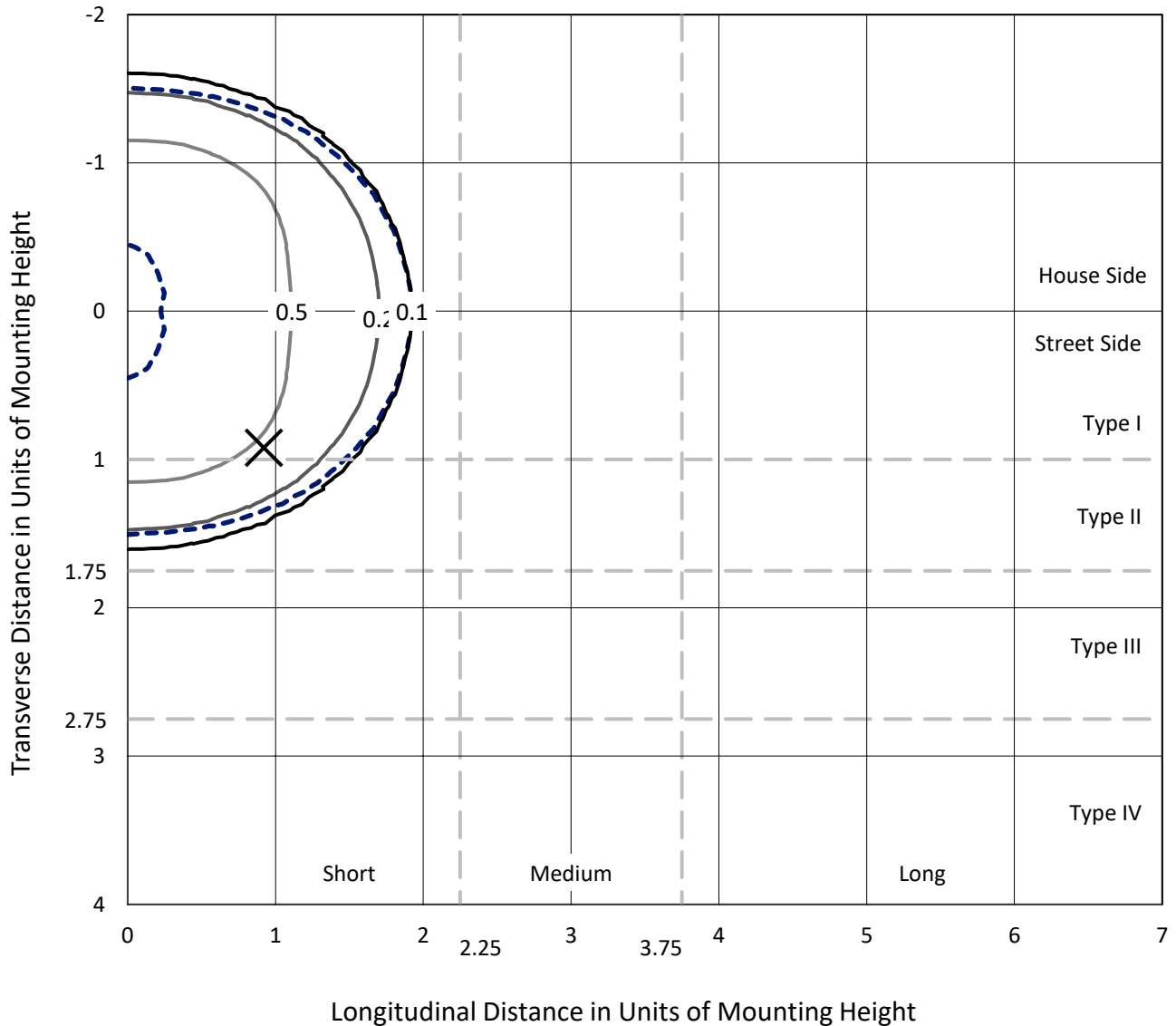
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

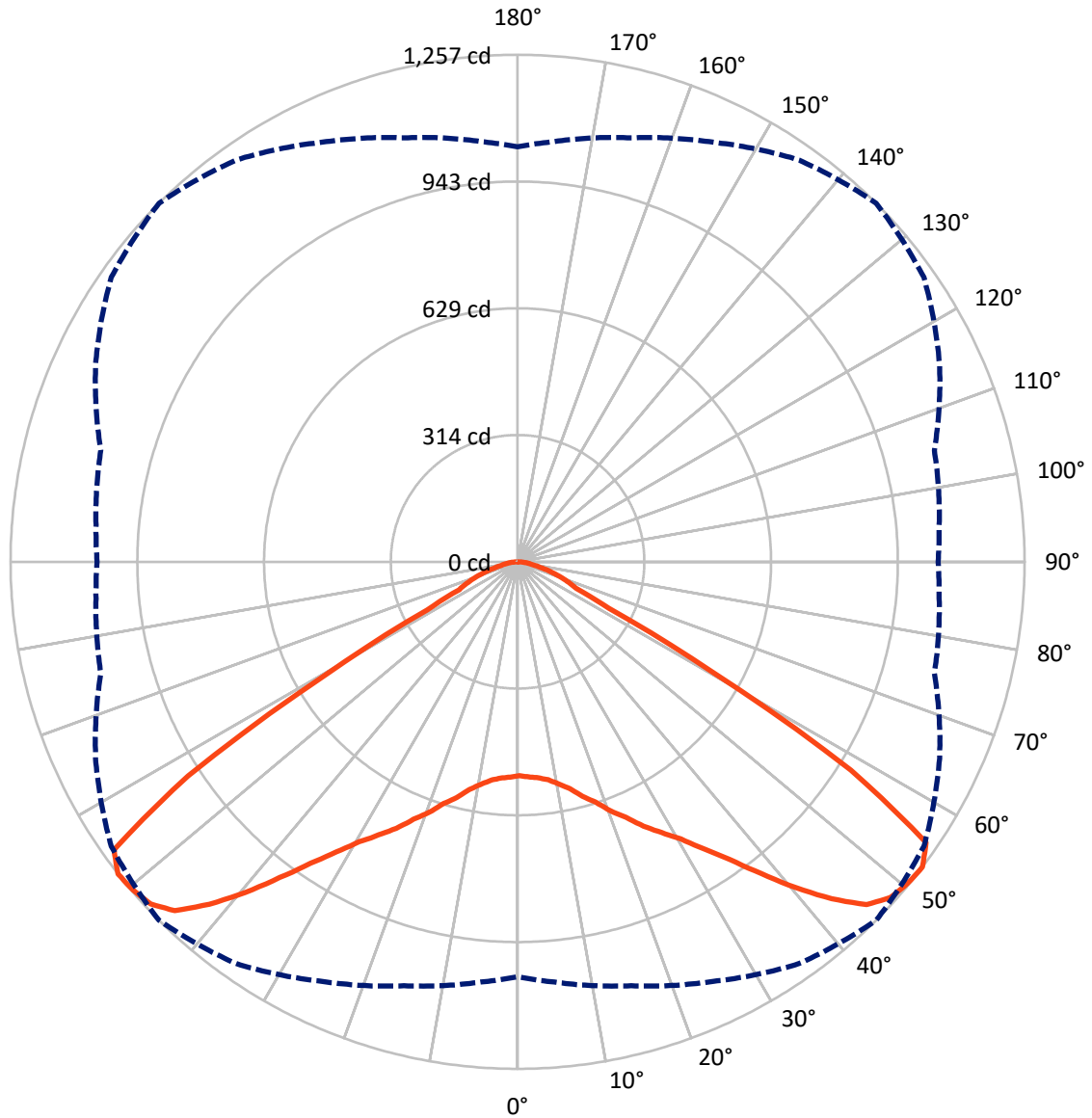
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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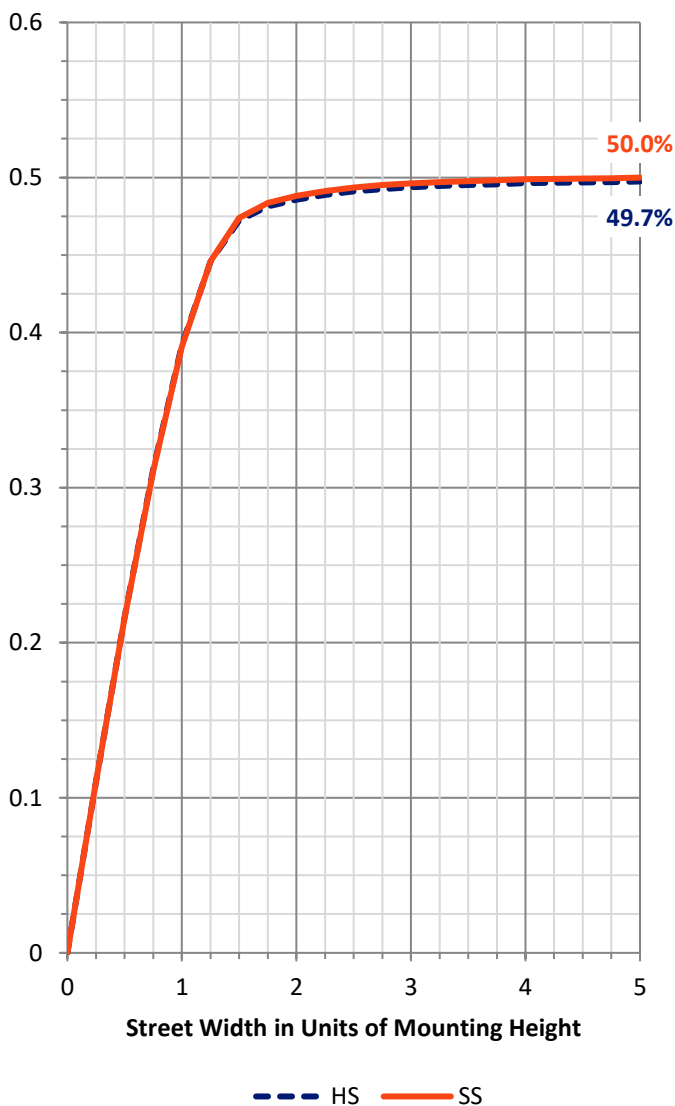
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1587.1	0.0	1587.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1587.1	0.0	1587.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3174.3	0.0	3174.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.6
10°-20°	171.3	5.4
20°-30°	326.1	10.3
30°-40°	560.0	17.6
40°-50°	860.7	27.1
50°-60°	874.1	27.5
60°-70°	243.6	7.7
70°-80°	71.9	2.3
80°-90°	14.5	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°	3174.3	100.0
0°-180°	3174.3	100.0

Coefficient of Utilization



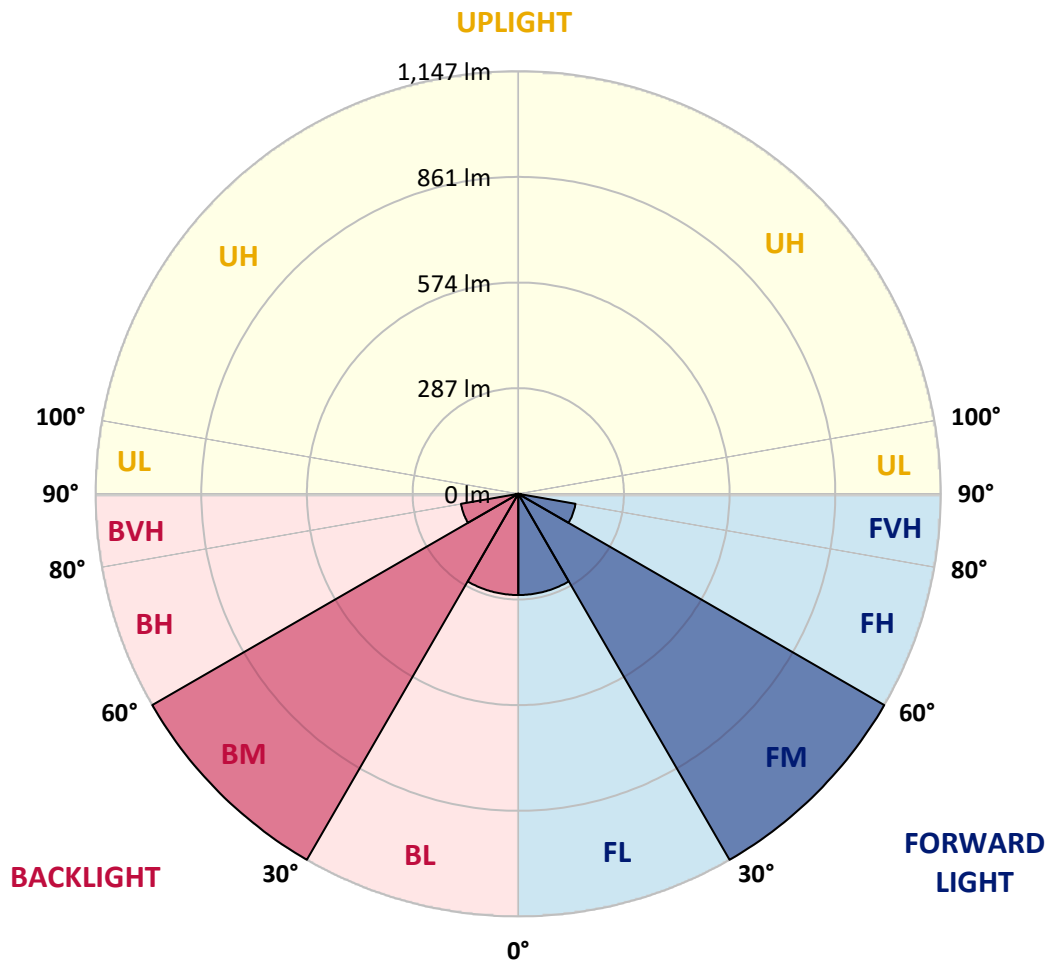
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.8	8.7			
FM (30°-60°)	1147.4	36.1			
FH (60°-80°)	157.7	5.0			G0/660
FVH (80°-90°)	7.2	0.2			G0/10
BL (0°-30°)	274.8	8.7	B1/500		
BM (30°-60°)	1147.4	36.1	B2/2500		
BH (60°-80°)	157.7	5.0	B1/500		G0/660
BVH (80°-90°)	7.2	0.2			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°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	531.8	526.3	528.3	529.5	534.6	534.2	533.0	534.6	536.1	536.5	535.7
5°	531.4	527.5	529.1	530.2	535.3	538.1	537.3	544.0	548.7	547.6	553.5
7.5°	528.3	530.6	528.7	534.6	538.9	545.6	552.7	559.0	564.9	571.6	572.8
10°	535.3	535.3	538.9	543.6	555.1	560.2	570.4	579.5	590.9	598.8	595.6
12.5°	542.9	544.0	544.0	556.2	565.7	577.1	586.5	598.8	614.9	624.4	629.1
15°	550.3	551.1	555.1	571.6	585.8	603.9	612.5	623.6	632.7	650.4	650.8
17.5°	557.0	561.3	573.2	591.7	609.4	626.7	640.5	651.9	659.8	667.0	665.3
20°	582.2	585.4	597.6	616.1	642.5	659.4	664.1	666.1	671.3	685.4	681.1
22.5°	606.7	607.8	619.3	647.6	666.1	688.6	693.7	692.6	694.5	698.0	704.3
25°	631.9	633.8	649.6	673.6	699.6	726.4	730.8	721.7	719.0	722.9	723.3
27.5°	664.1	664.5	684.7	705.6	735.1	760.3	766.9	759.9	746.9	750.0	755.1
30°	705.2	702.4	722.5	752.4	783.5	797.7	809.2	805.6	791.4	788.6	784.3
32.5°	752.4	753.2	771.3	804.0	824.5	848.1	860.4	854.4	845.4	840.6	843.4
35°	819.0	822.5	834.8	861.9	895.0	906.8	926.1	913.5	889.9	895.8	900.9
37.5°	873.7	884.0	906.8	939.1	958.9	980.5	987.6	970.6	953.3	946.3	963.2
40°	957.6	954.5	979.7	1012.0	1041.2	1062.8	1053.8	1036.8	993.9	994.3	999.0
42.5°	1029.7	1031.3	1050.6	1089.2	1129.0	1142.4	1113.7	1072.2	1024.6	1019.5	1029.7
45°	1090.4	1096.7	1107.7	1159.3	1198.3	1212.9	1159.7	1110.9	1047.0	1025.8	1042.7
47.5°	1112.1	1122.3	1146.3	1193.6	1232.2	1244.0	1201.5	1131.4	1067.9	1033.2	1042.3
50°	1115.2	1111.7	1151.1	1194.4	1228.3	1253.9	1216.5	1146.3	1062.8	1044.7	1041.9
52.5°	1028.9	1046.2	1088.4	1147.9	1216.5	1257.4	1229.9	1154.6	1069.9	1049.5	1042.7
55°	832.8	812.3	889.1	989.2	1115.2	1229.1	1225.1	1158.9	1074.3	1057.3	1048.3
57.5°	464.9	470.7	514.0	622.8	785.5	974.6	1089.2	1113.3	1072.2	1062.5	1067.2
60°	215.1	217.0	235.6	286.4	387.3	552.7	703.5	856.8	927.3	941.5	941.5
62.5°	160.4	159.6	164.3	173.4	194.6	254.1	339.2	460.9	557.8	625.5	643.3
65°	144.9	144.5	147.0	150.1	151.7	160.0	178.8	216.3	247.8	265.9	262.8
67.5°	126.8	126.5	127.2	129.2	131.9	136.3	141.0	148.9	160.0	159.2	157.1
70°	102.4	102.4	103.6	105.2	108.4	113.5	118.9	124.5	134.0	135.9	135.5
72.5°	75.6	74.5	76.8	79.9	83.2	89.4	95.4	100.5	107.1	109.2	108.4
75°	48.1	48.9	50.4	53.9	59.5	63.8	70.2	74.5	78.8	80.3	80.7
77.5°	26.8	27.6	30.3	34.7	40.2	44.9	50.4	53.9	56.7	57.1	57.6
80°	16.1	16.5	19.3	23.3	28.0	33.1	37.4	41.0	43.3	42.1	41.7
82.5°	9.9	10.3	12.6	16.1	20.1	24.0	28.7	31.9	34.3	32.7	31.1
85°	5.1	5.5	7.5	9.9	13.0	15.0	15.0	13.4	13.0	12.2	11.8
87.5°	1.6	1.6	2.0	2.3	2.0	2.3	2.7	3.1	3.1	3.5	3.1
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)