

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: P646716

Luminaire Tested: **GALN-SA1C-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3600.2 lumens
Efficiency: N/A
Efficacy: 63.2 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

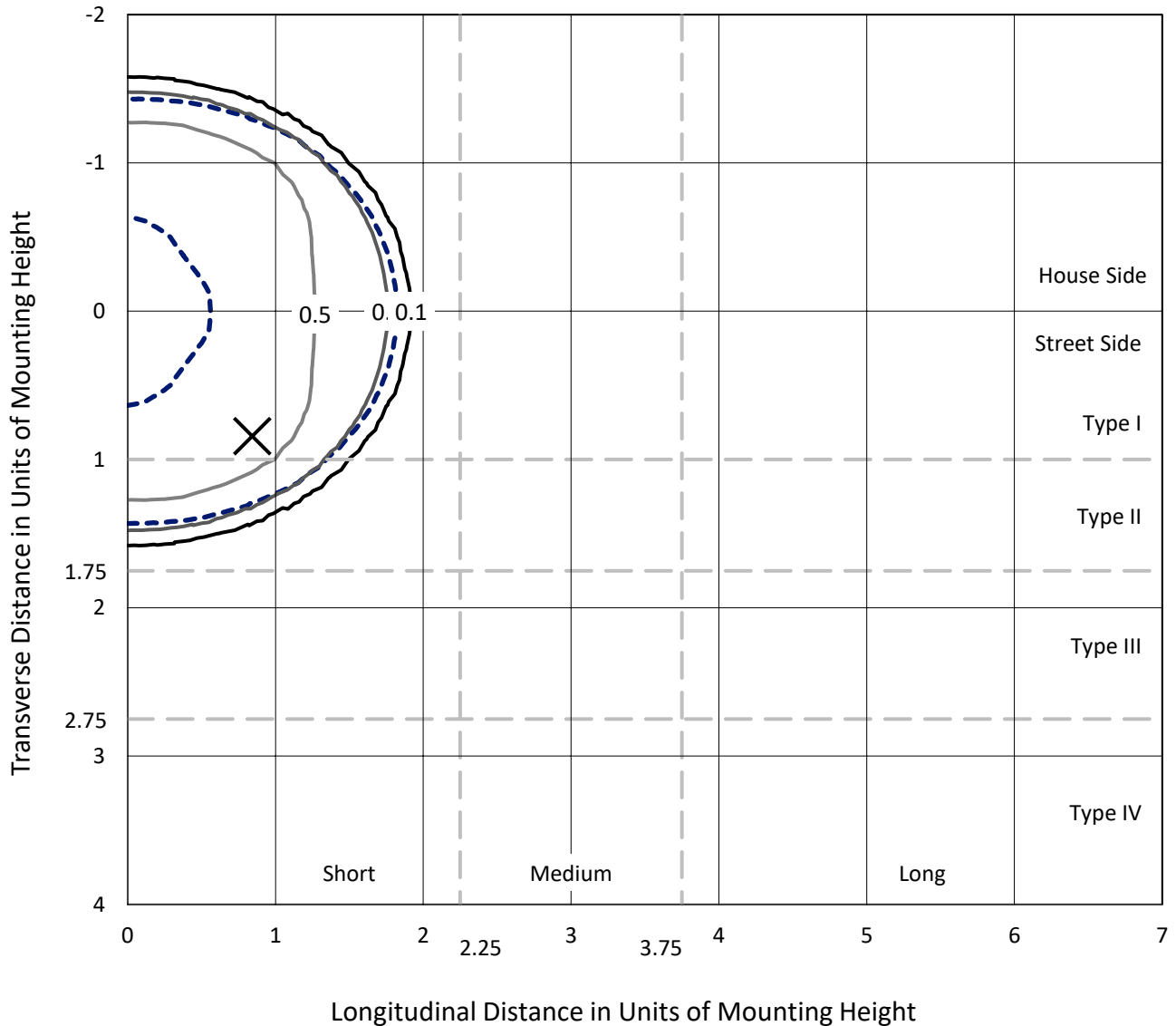
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

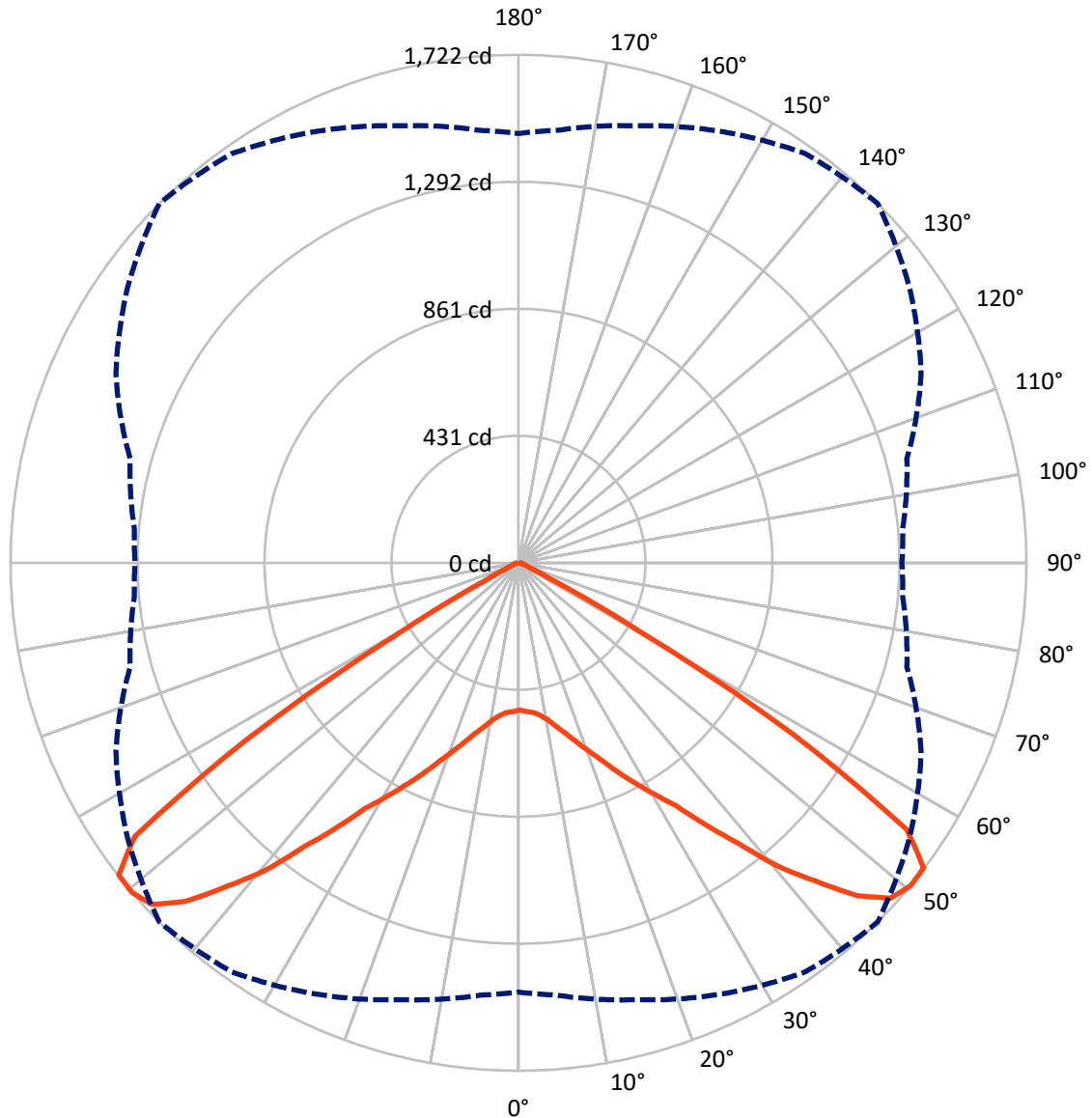
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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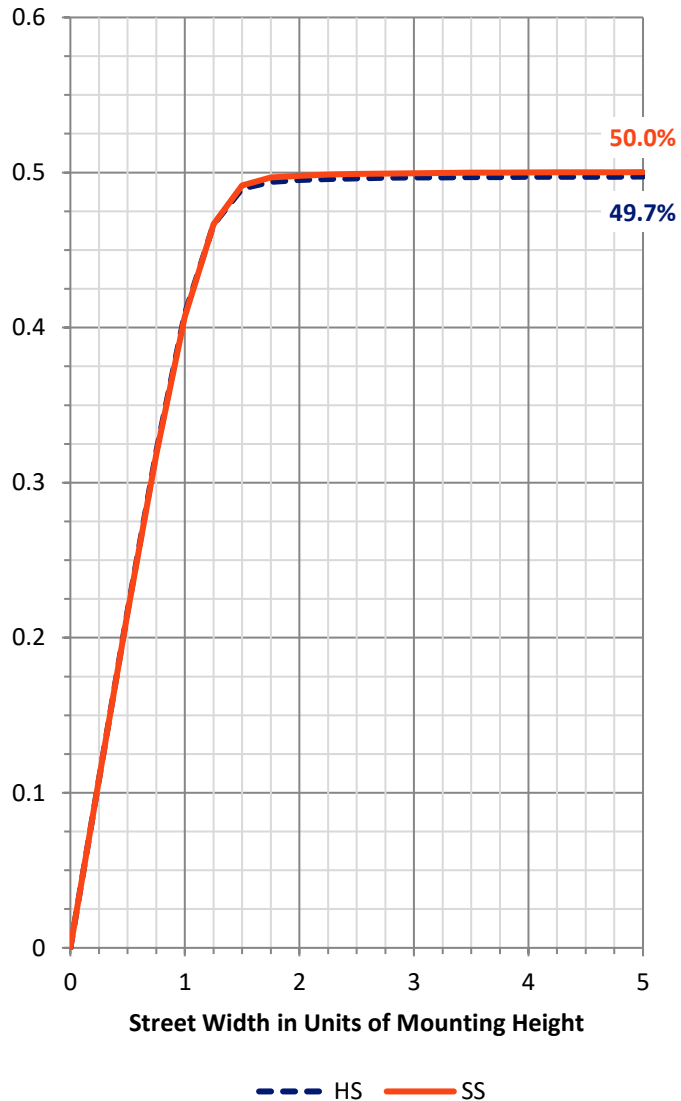
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1800.1	0.0	1800.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1800.1	0.0	1800.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3600.2	0.0	3600.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	1.4
10°-20°	171.1	4.8
20°-30°	349.5	9.7
30°-40°	666.6	18.5
40°-50°	1123.3	31.2
50°-60°	1071.2	29.8
60°-70°	149.5	4.2
70°-80°	14.3	0.4
80°-90°	4.9	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°	3600.2	100.0
0°-180°	3600.2	100.0

Coefficient of Utilization

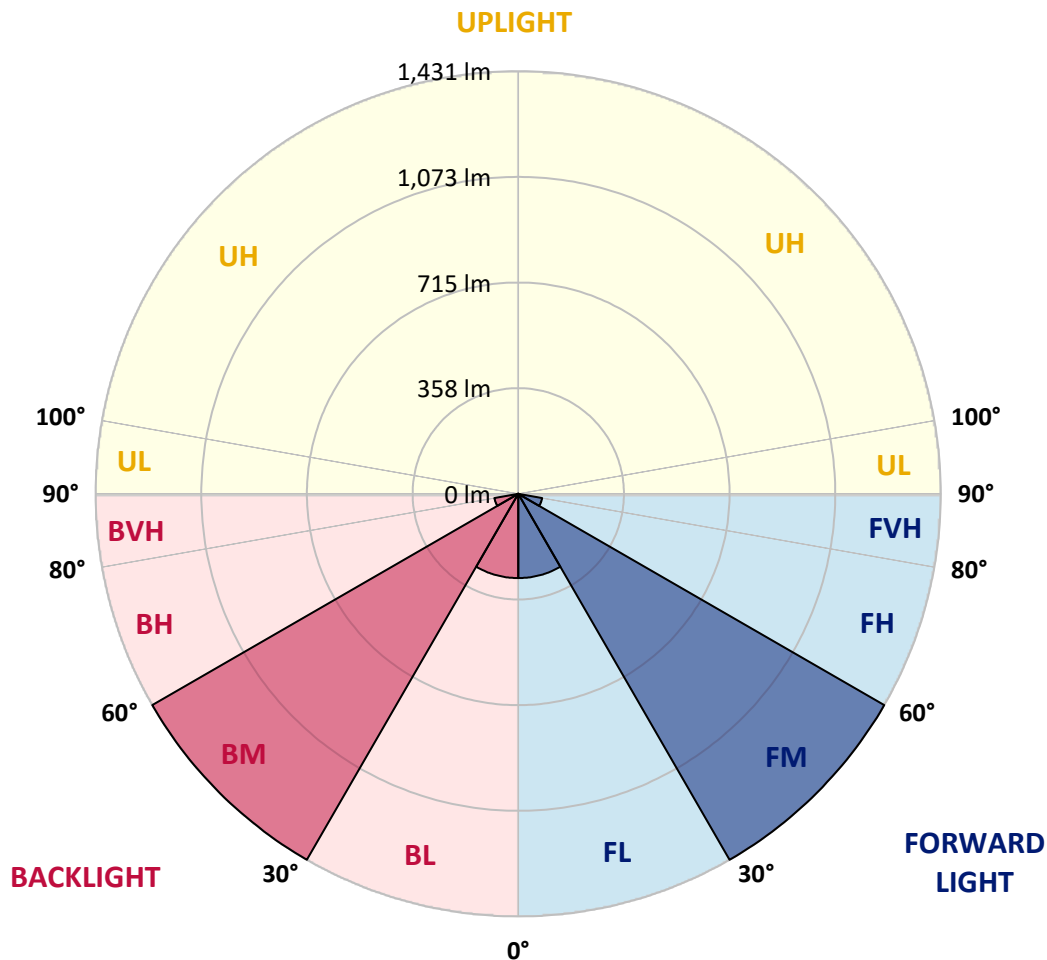


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	285.2	7.9			
FM (30°-60°)	1430.5	39.7			
FH (60°-80°)	81.9	2.3			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	285.2	7.9	B1/500		
BM (30°-60°)	1430.5	39.7	B2/2500		
BH (60°-80°)	81.9	2.3	B0/110		G0/660
BVH (80°-90°)	2.5	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°	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2	499.2
2.5°	497.3	497.3	496.7	501.6	499.2	504.6	504.0	505.8	507.6	507.0	511.8
5°	493.1	492.5	492.5	497.9	503.4	509.4	514.9	518.5	524.6	524.6	530.6
7.5°	497.3	494.3	498.5	501.0	511.2	521.6	530.6	537.9	551.9	556.7	554.8
10°	498.5	502.1	505.2	512.5	525.2	540.9	548.8	567.0	582.7	593.6	596.0
12.5°	506.4	511.8	520.3	537.9	549.4	570.0	580.9	598.4	620.3	632.4	640.9
15°	521.6	523.4	534.2	556.7	581.5	600.3	617.2	630.0	651.1	665.1	665.7
17.5°	540.9	548.8	563.9	585.1	611.2	639.1	652.4	666.3	674.2	693.0	697.2
20°	579.7	580.9	595.5	623.3	656.0	681.4	691.2	698.4	695.4	714.8	718.4
22.5°	616.1	617.2	635.4	673.0	708.1	729.9	734.1	729.9	720.8	734.8	735.9
25°	653.0	663.9	677.2	714.8	758.4	787.5	788.1	776.6	757.8	760.2	766.2
27.5°	710.6	718.4	732.3	766.9	814.7	847.4	842.0	828.0	803.8	805.6	803.8
30°	777.8	785.0	796.5	840.8	875.9	911.6	919.6	906.2	869.8	862.0	871.1
32.5°	859.0	869.2	890.4	931.1	960.7	982.5	988.0	983.1	949.2	946.2	952.2
35°	957.7	971.6	991.0	1026.7	1050.9	1090.3	1090.3	1074.0	1043.1	1046.7	1046.1
37.5°	1061.9	1082.5	1112.7	1149.1	1181.8	1203.0	1196.3	1182.4	1151.5	1143.6	1151.5
40°	1192.7	1203.0	1241.1	1288.4	1328.4	1352.6	1324.1	1293.9	1220.0	1231.5	1252.6
42.5°	1312.1	1328.4	1357.5	1409.6	1455.0	1475.0	1441.0	1381.1	1292.0	1282.9	1298.7
45°	1413.8	1431.4	1469.5	1544.1	1591.9	1609.5	1534.4	1437.4	1335.6	1312.6	1319.3
47.5°	1481.7	1490.8	1544.1	1614.9	1658.6	1698.5	1590.7	1476.2	1356.2	1312.6	1310.2
50°	1455.6	1471.3	1533.7	1614.3	1693.6	1722.1	1619.2	1505.9	1362.9	1307.2	1299.9
52.5°	1292.7	1319.9	1389.6	1498.0	1617.9	1719.7	1658.6	1496.2	1360.5	1312.6	1323.6
55°	899.5	900.1	984.9	1144.8	1356.9	1596.8	1601.0	1507.1	1376.3	1346.6	1347.2
57.5°	361.7	379.8	444.6	605.1	800.8	1096.4	1303.5	1398.0	1378.1	1370.8	1389.6
60°	91.5	92.1	112.0	170.9	281.6	470.0	682.7	923.8	1063.7	1111.5	1118.2
62.5°	46.7	47.2	52.1	60.6	76.9	126.0	224.1	355.6	505.8	582.1	602.1
65°	38.1	38.1	41.2	45.4	46.0	48.5	58.2	83.0	120.6	136.9	138.7
67.5°	29.0	29.0	31.5	33.9	35.2	34.5	33.3	34.5	41.8	40.0	38.8
70°	18.2	18.8	20.0	22.4	23.6	24.2	24.8	26.1	29.7	30.9	29.7
72.5°	10.9	10.9	11.5	13.3	15.1	16.4	18.2	19.4	21.2	24.2	23.6
75°	4.9	4.9	6.0	7.9	9.7	11.5	13.3	15.1	16.4	18.2	18.8
77.5°	1.2	1.8	3.1	5.5	7.3	9.7	12.1	13.9	15.1	15.1	14.6
80°	0.6	0.6	2.4	4.2	7.9	10.3	13.3	14.6	16.4	15.1	13.3
82.5°	0.6	0.6	2.4	4.2	7.3	10.3	13.9	15.7	17.0	15.1	12.7
85°	0.0	0.6	1.8	3.6	6.0	7.3	6.0	4.2	2.4	2.4	1.8
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)