

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: P648203

Luminaire Tested: **GALN-SA1B-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4651 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

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

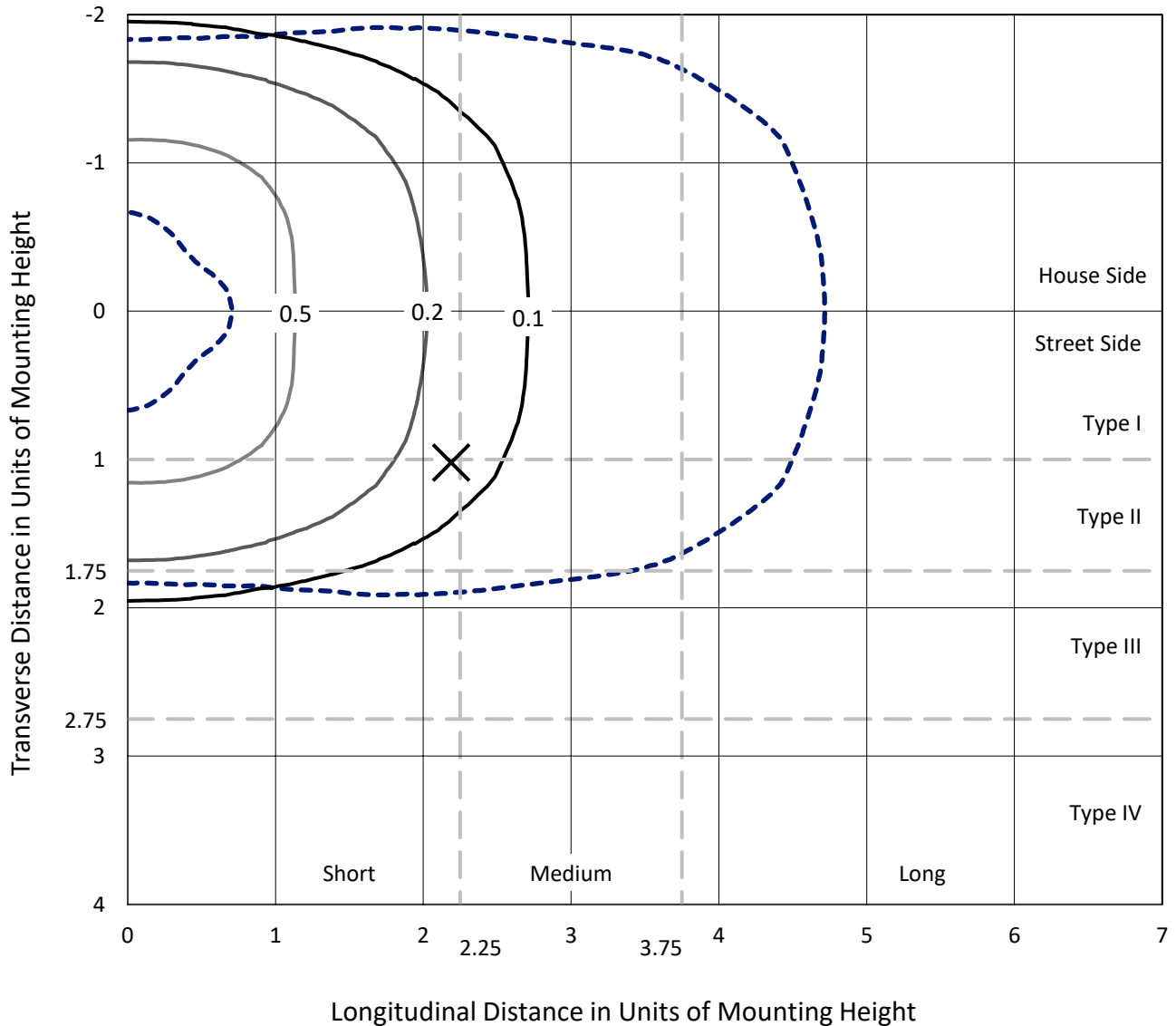




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Iso-Footcandle Lines of Horizontal Illumination

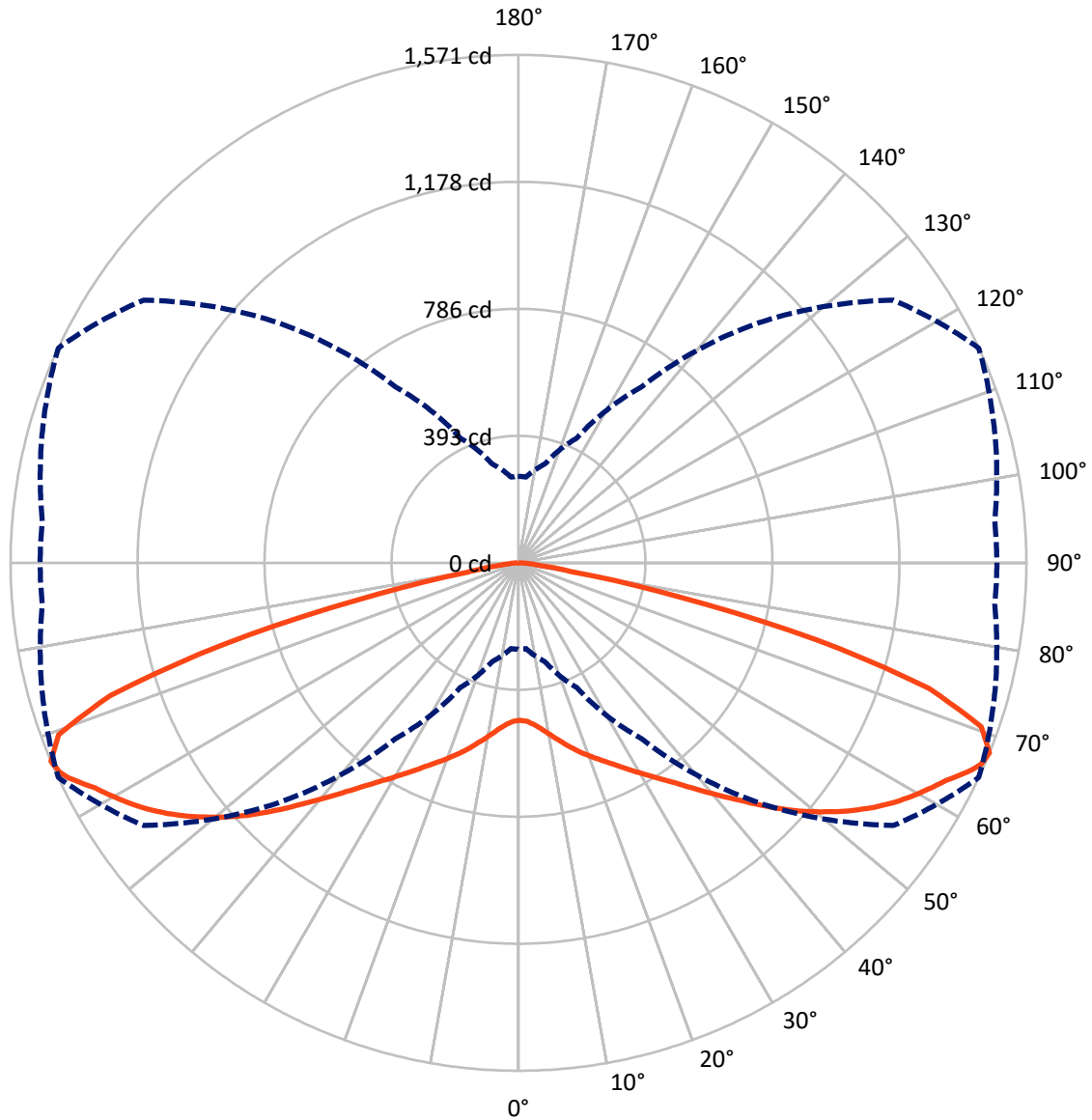
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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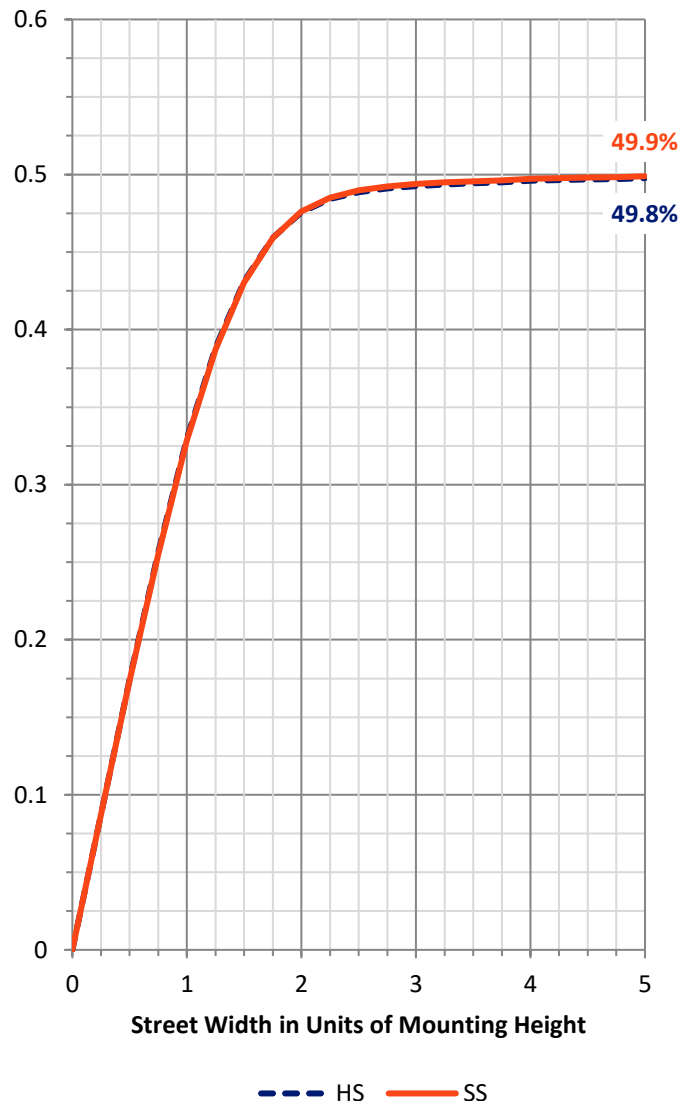
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2325.5	0.0	2325.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2325.5	0.0	2325.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4651.0	0.0	4651.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	1.0
10°-20°	160.8	3.5
20°-30°	314.5	6.8
30°-40°	535.0	11.5
40°-50°	846.8	18.2
50°-60°	1122.8	24.1
60°-70°	1059.1	22.8
70°-80°	523.6	11.3
80°-90°	40.3	0.9
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°	4651.0	100.0
0°-180°	4651.0	100.0

Coefficient of Utilization



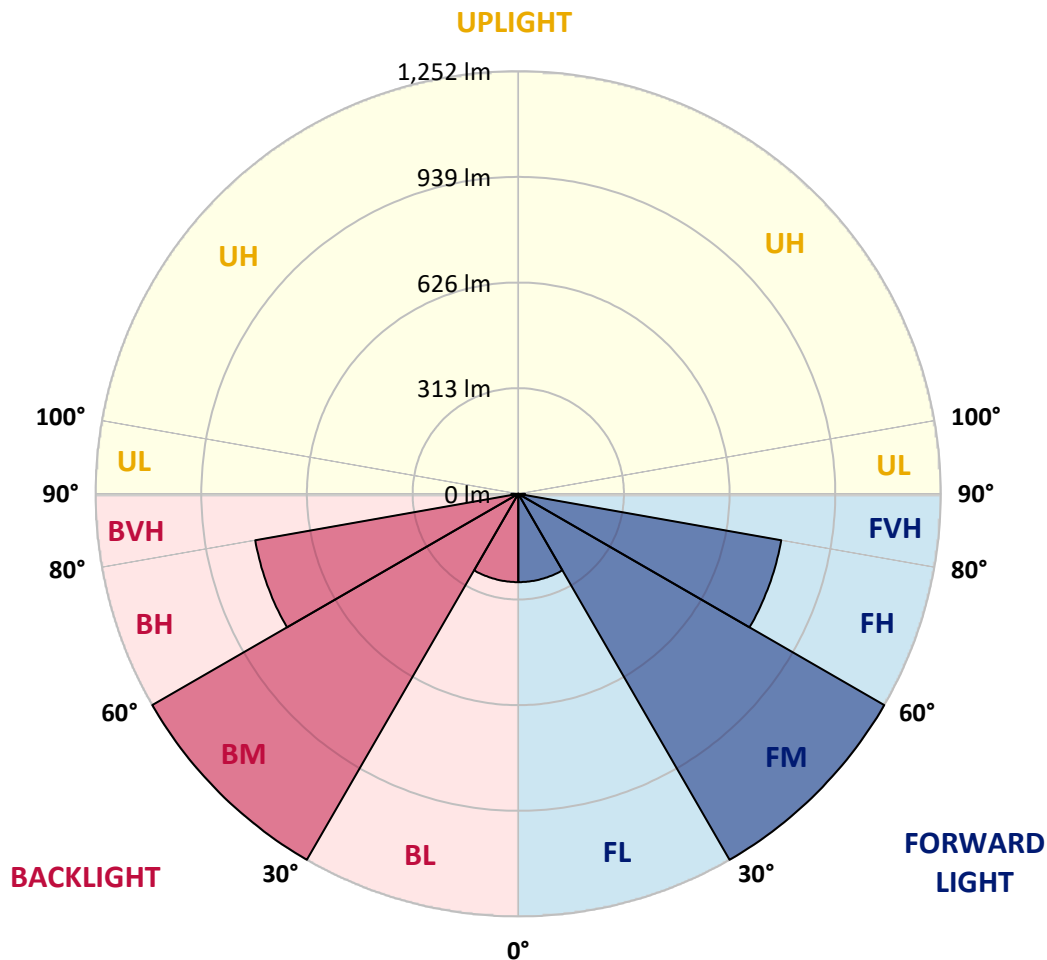
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.7	5.6			
FM (30°-60°)	1252.3	26.9			
FH (60°-80°)	791.4	17.0			G1/1800
FVH (80°-90°)	20.2	0.4			G1/100
BL (0°-30°)	261.7	5.6	B1/500		
BM (30°-60°)	1252.3	26.9	B2/2500		
BH (60°-80°)	791.4	17.0	B2/1000		G2/1000
BVH (80°-90°)	20.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2
2.5°	484.7	485.1	485.7	486.4	487.4	488.9	489.9	490.6	492.7	492.9	492.7
5°	483.0	483.4	484.7	486.9	490.2	494.6	498.1	502.4	505.6	507.9	507.3
7.5°	482.6	483.7	485.7	490.4	496.7	504.3	512.3	519.5	525.8	530.8	530.0
10°	486.6	487.9	491.2	498.1	507.9	519.1	530.2	541.0	550.0	556.4	558.7
12.5°	493.4	494.4	500.3	510.8	524.8	538.7	551.5	564.6	577.1	588.1	588.1
15°	505.1	506.8	514.4	529.5	546.7	562.9	575.9	589.8	603.3	615.8	619.4
17.5°	521.3	523.7	535.0	554.4	576.4	591.3	603.5	615.0	626.7	638.7	640.4
20°	543.5	546.0	560.9	584.4	610.3	628.2	636.4	639.2	644.9	656.3	657.9
22.5°	573.6	576.1	592.8	619.2	648.1	667.6	671.0	664.6	663.0	672.0	673.1
25°	607.8	610.0	629.2	657.6	687.5	708.7	707.7	691.7	682.8	688.3	689.7
27.5°	646.1	649.3	668.8	698.2	730.6	749.3	746.3	723.1	703.9	703.0	703.4
30°	695.2	698.7	717.1	745.3	777.2	794.4	788.2	757.0	727.3	717.4	717.4
32.5°	747.1	755.8	774.5	803.8	828.8	841.3	831.8	794.4	755.0	741.1	740.3
35°	814.6	819.3	837.7	866.4	885.1	894.8	876.6	836.5	791.1	774.7	772.4
37.5°	880.6	884.6	906.0	933.4	956.1	955.7	931.0	886.6	836.0	817.6	816.0
40°	948.1	952.4	976.8	1002.0	1024.6	1022.7	992.8	943.1	889.3	868.7	872.7
42.5°	1006.7	1011.4	1039.1	1075.0	1095.4	1094.9	1060.3	1004.4	948.4	930.0	933.4
45°	1060.0	1064.3	1096.4	1137.5	1167.5	1171.1	1133.3	1074.2	1016.6	993.0	994.0
47.5°	1097.7	1105.6	1139.3	1186.3	1227.0	1240.2	1203.1	1145.2	1079.0	1054.3	1055.8
50°	1126.3	1131.3	1167.9	1221.5	1272.8	1300.2	1270.3	1211.1	1141.2	1115.1	1118.6
52.5°	1129.8	1135.7	1175.7	1237.5	1303.2	1344.9	1330.2	1275.4	1204.8	1177.9	1185.4
55°	1101.4	1104.9	1152.5	1227.5	1315.2	1378.0	1381.8	1335.1	1265.3	1244.9	1249.9
57.5°	1020.4	1029.4	1089.7	1180.8	1298.8	1395.7	1420.4	1389.4	1326.6	1306.4	1314.4
60°	887.6	896.5	957.1	1072.7	1236.7	1387.5	1452.2	1437.5	1382.2	1366.0	1370.2
62.5°	695.5	694.8	769.7	911.5	1113.3	1347.1	1475.9	1483.9	1437.0	1416.6	1423.1
65°	450.8	453.0	525.5	678.3	927.2	1244.4	1481.1	1543.0	1490.8	1460.0	1464.7
66°	362.5	369.3	430.8	571.6	832.3	1177.2	1465.5	1560.4	1507.3	1469.9	1472.2
67.5°	267.6	266.4	317.0	425.6	664.6	1049.3	1416.4	1571.3	1526.0	1478.9	1479.9
70°	152.8	152.5	170.5	233.7	390.7	738.8	1193.8	1518.8	1563.9	1511.3	1508.5
72.5°	111.7	110.9	113.4	129.0	190.7	373.0	823.6	1327.4	1544.5	1506.1	1498.3
75°	93.7	93.2	92.7	94.7	106.9	169.0	437.1	954.9	1340.1	1413.6	1405.6
77.5°	76.5	76.5	76.7	76.3	76.7	88.9	181.2	511.8	816.0	911.0	933.2
80°	59.8	59.6	63.8	62.0	58.1	57.1	80.3	164.7	270.8	269.4	222.3
82.5°	44.1	41.1	48.6	47.4	42.8	36.4	46.8	70.2	90.4	58.8	43.6
85°	27.9	27.6	34.4	31.4	26.2	17.2	22.4	30.1	37.3	22.7	18.4
87.5°	5.0	4.7	11.0	8.0	8.0	5.0	6.3	8.2	12.2	8.5	6.3
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)