

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: P651742

Luminaire Tested: **GALN-SA2A-840-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-840-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7720.4 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

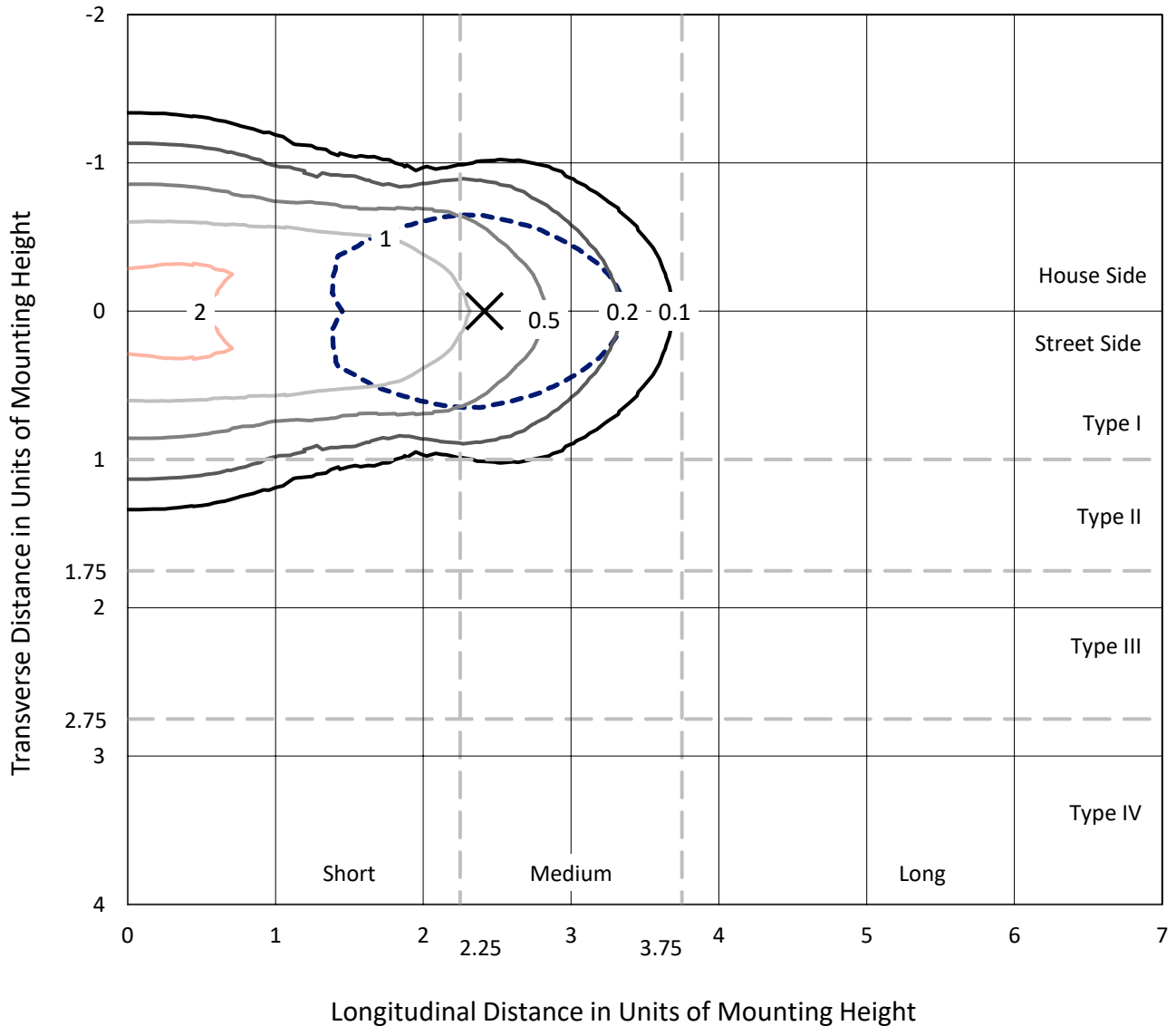
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

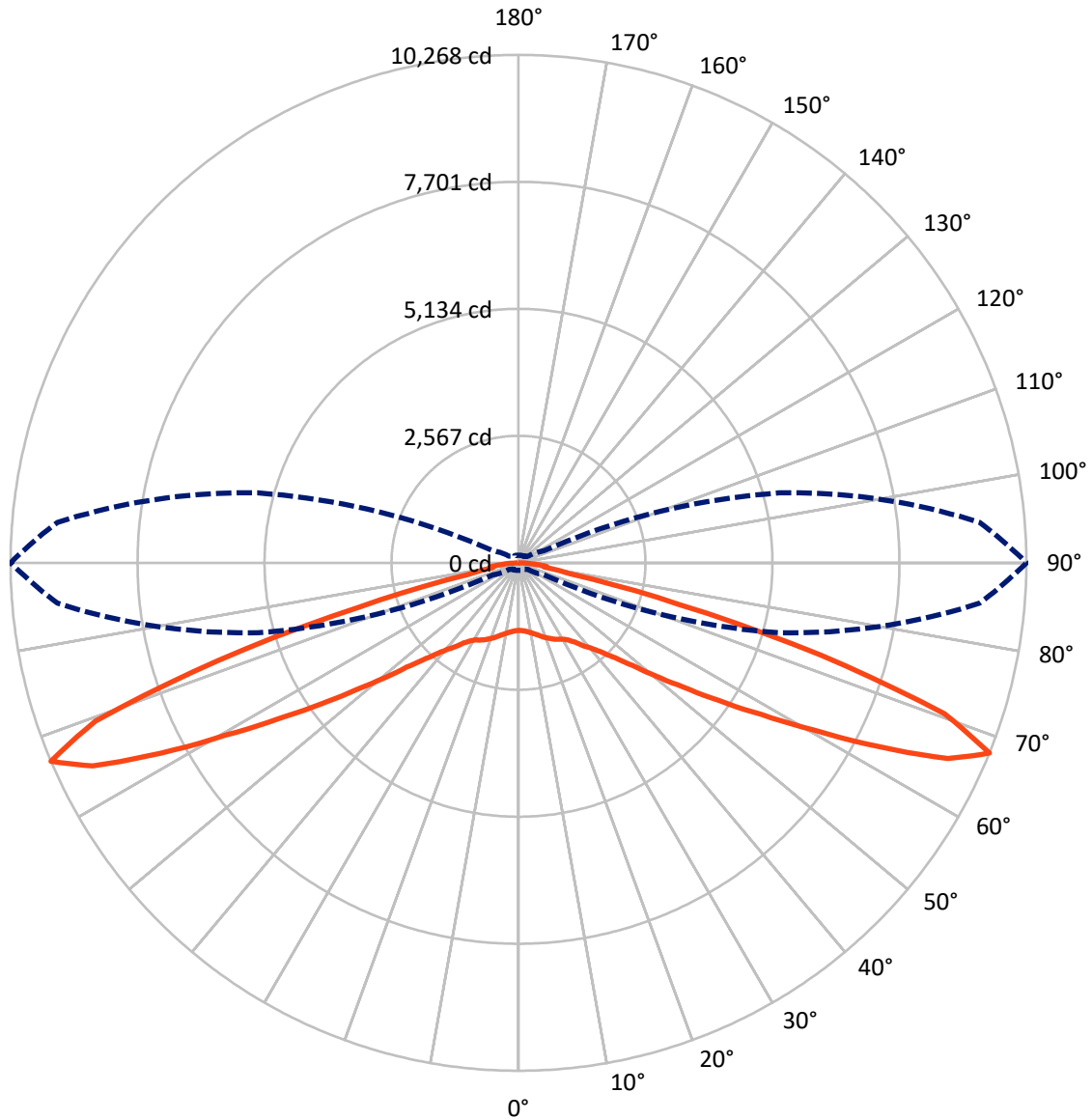
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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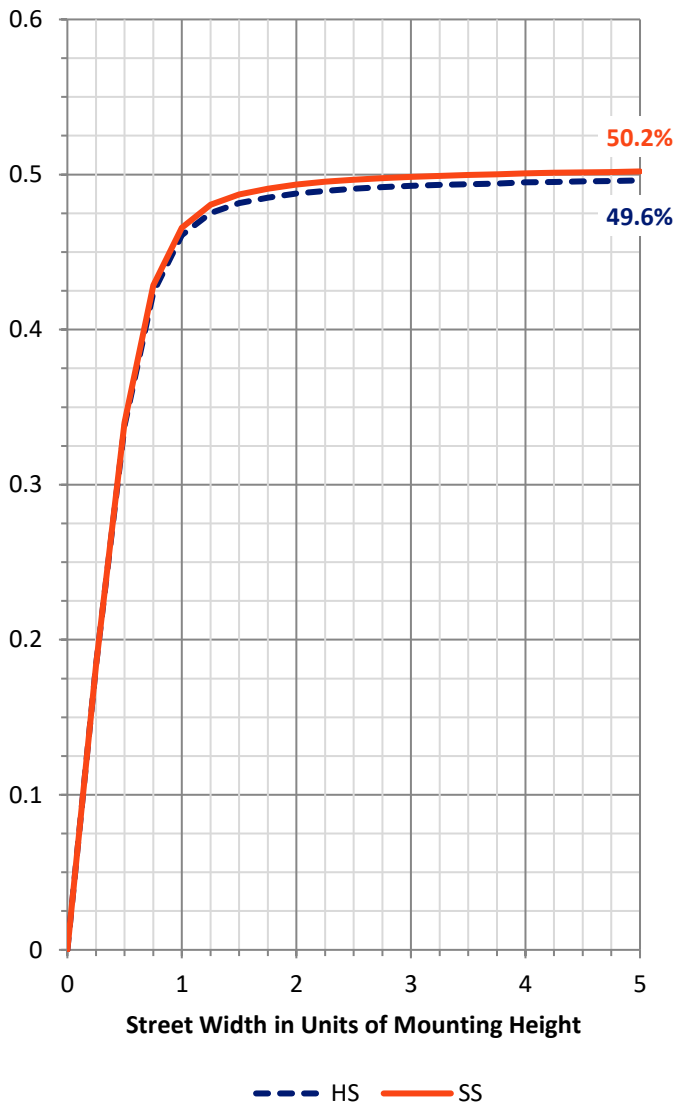
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3860.2	0.0	3860.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3860.2	0.0	3860.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7720.4	0.0	7720.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	1.8
10°-20°	436.0	5.6
20°-30°	729.7	9.5
30°-40°	988.6	12.8
40°-50°	1252.2	16.2
50°-60°	1564.3	20.3
60°-70°	1838.8	23.8
70°-80°	703.4	9.1
80°-90°	71.3	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°	7720.4	100.0
0°-180°	7720.4	100.0

Coefficient of Utilization

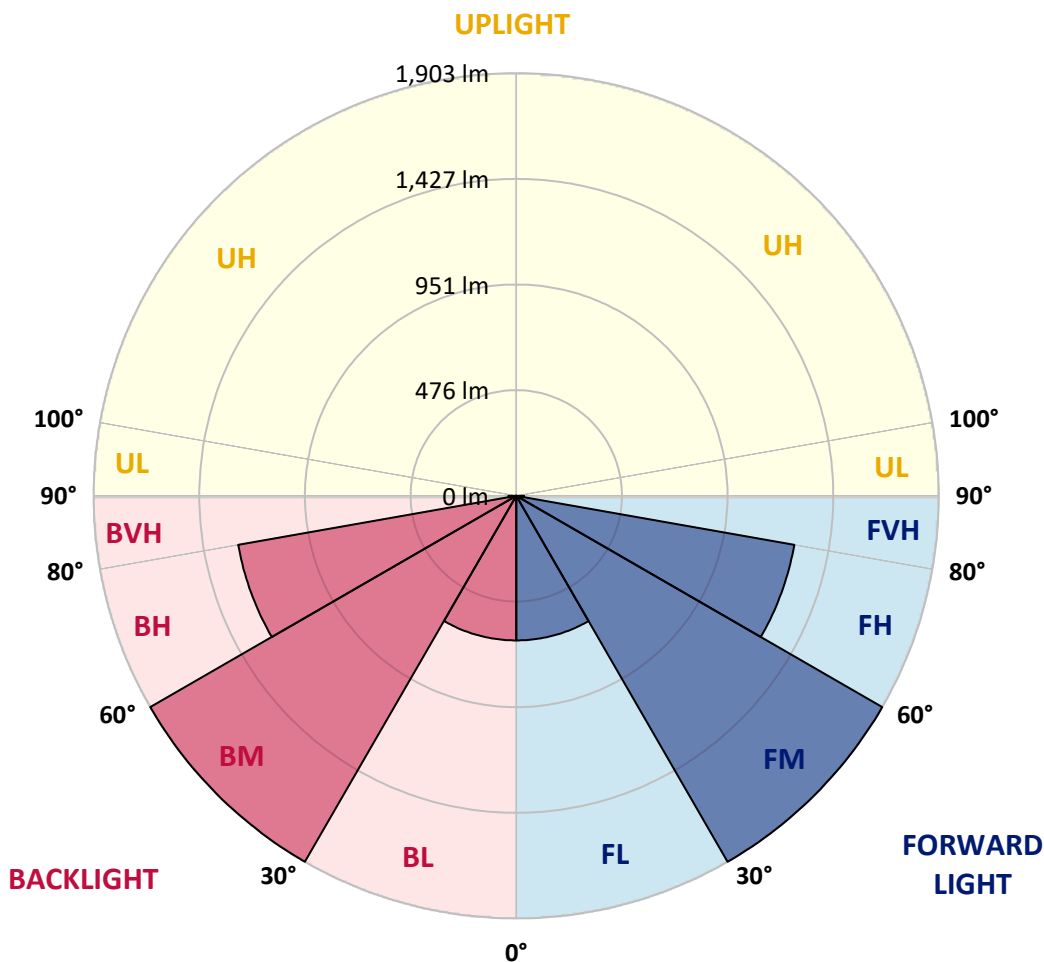


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.0	8.4			
FM (30°-60°)	1902.5	24.6			
FH (60°-80°)	1271.1	16.5			G1/1800
FVH (80°-90°)	35.6	0.5			G1/100
BL (0°-30°)	651.0	8.4	B2/1000		
BM (30°-60°)	1902.5	24.6	B2/2500		
BH (60°-80°)	1271.1	16.5	B3/2500		G3/2500
BVH (80°-90°)	35.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1366.7	1366.7	1366.7	1366.7	1366.7	1366.7	1366.7	1366.7	1366.7	1366.7	1366.7
2.5°	1384.3	1383.4	1383.9	1383.4	1384.7	1383.9	1378.7	1374.4	1371.0	1371.4	1370.2
5°	1413.8	1414.2	1414.6	1412.5	1415.5	1413.8	1405.6	1398.8	1391.9	1389.4	1388.6
7.5°	1438.1	1440.3	1441.6	1443.7	1448.8	1448.8	1444.6	1434.7	1419.8	1411.2	1410.8
10°	1462.5	1464.2	1468.0	1474.9	1483.4	1491.6	1489.8	1476.6	1457.4	1442.8	1439.5
12.5°	1471.1	1473.2	1486.0	1505.7	1524.9	1540.7	1540.7	1530.0	1505.2	1483.0	1476.6
15°	1441.1	1445.0	1468.0	1509.9	1560.4	1595.0	1602.7	1587.8	1561.2	1527.1	1519.4
17.5°	1381.7	1391.1	1424.9	1486.9	1570.7	1642.5	1664.8	1657.4	1623.2	1579.7	1570.7
20°	1318.0	1328.3	1364.2	1446.3	1562.2	1670.3	1734.8	1736.6	1694.2	1631.0	1617.7
22.5°	1247.9	1255.6	1301.8	1398.0	1536.5	1676.7	1795.1	1824.6	1767.4	1682.3	1663.4
25°	1169.2	1177.8	1226.1	1330.0	1488.1	1669.4	1850.3	1915.2	1843.8	1737.0	1713.0
27.5°	1094.0	1097.4	1149.1	1254.8	1424.5	1650.6	1890.9	1998.6	1928.5	1782.2	1752.0
30°	1021.7	1029.9	1075.6	1179.9	1351.3	1613.9	1925.9	2093.5	2019.6	1829.8	1790.8
32.5°	945.2	955.0	1004.7	1110.2	1278.2	1558.7	1947.3	2197.4	2146.5	1906.7	1865.3
35°	871.7	878.1	928.1	1030.7	1206.8	1494.5	1951.1	2314.5	2310.2	2023.4	1968.3
37.5°	796.4	805.8	856.3	954.6	1131.2	1426.6	1931.9	2438.9	2507.8	2185.4	2126.0
40°	724.2	732.3	781.9	881.1	1045.3	1343.7	1886.2	2552.7	2738.2	2352.2	2267.9
42.5°	645.6	647.7	702.0	802.9	961.0	1247.5	1820.3	2653.9	2995.1	2575.7	2471.0
45°	556.2	561.8	612.2	711.4	864.5	1139.7	1730.9	2737.8	3320.9	2885.7	2742.9
47.5°	466.8	471.5	517.7	615.6	758.8	1016.2	1593.4	2811.3	3655.2	3279.4	3092.2
50°	379.6	382.2	419.8	506.6	640.0	886.2	1422.7	2834.8	4033.1	3836.9	3597.9
52.5°	300.2	303.9	332.6	400.6	513.0	732.8	1238.5	2776.6	4474.3	4497.8	4160.9
55°	243.2	244.6	265.9	316.0	401.0	572.0	1016.2	2614.7	4948.9	5344.7	4915.1
57.5°	209.5	210.3	222.3	250.1	308.6	431.3	788.4	2308.1	5375.1	6336.9	5784.7
60°	190.2	190.7	197.6	213.8	244.6	330.9	564.7	1875.5	5795.8	7441.3	6865.3
62.5°	178.3	178.3	183.0	191.9	206.9	254.0	409.1	1353.1	6083.9	8561.7	8197.5
65°	166.8	166.8	170.1	176.5	184.7	207.8	302.3	882.4	6076.6	9377.8	9537.3
67.5°	153.5	153.5	156.0	162.5	167.2	178.7	233.5	578.0	5458.4	9359.9	10268.4
70°	137.7	137.7	141.1	146.7	150.5	157.8	184.3	395.4	4010.1	7991.9	9132.0
72.5°	121.9	122.3	124.4	129.9	133.0	137.3	153.1	277.0	2459.9	5441.8	6385.3
75°	104.3	105.2	107.3	112.9	115.5	117.2	129.1	197.6	1244.5	2934.0	3340.5
77.5°	84.2	86.0	87.2	93.2	94.9	97.5	106.5	142.8	546.4	1054.3	1063.6
80°	61.6	63.7	67.5	73.1	74.4	76.1	81.2	101.3	247.5	481.4	522.8
82.5°	45.3	48.3	43.6	50.9	50.9	48.8	57.3	68.0	113.7	476.7	570.3
85°	24.8	25.2	22.6	26.1	27.8	27.3	30.4	33.4	55.2	318.1	327.9
87.5°	6.0	6.4	6.8	8.2	9.8	9.8	10.7	9.4	18.0	103.0	59.0
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)