

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: P450828

Luminaire Tested: **GALN-SA1C-830-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1C-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5929 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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



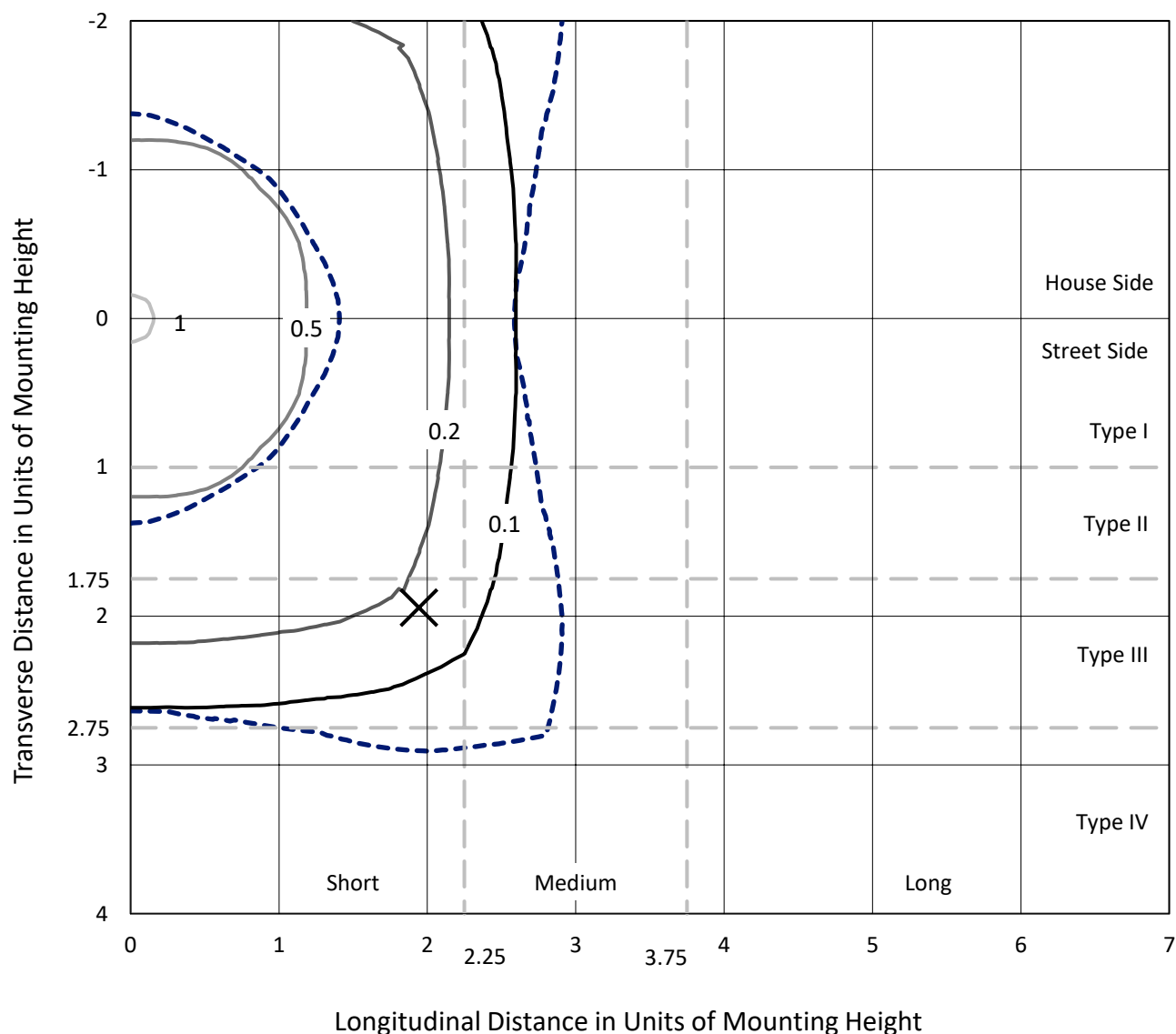
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

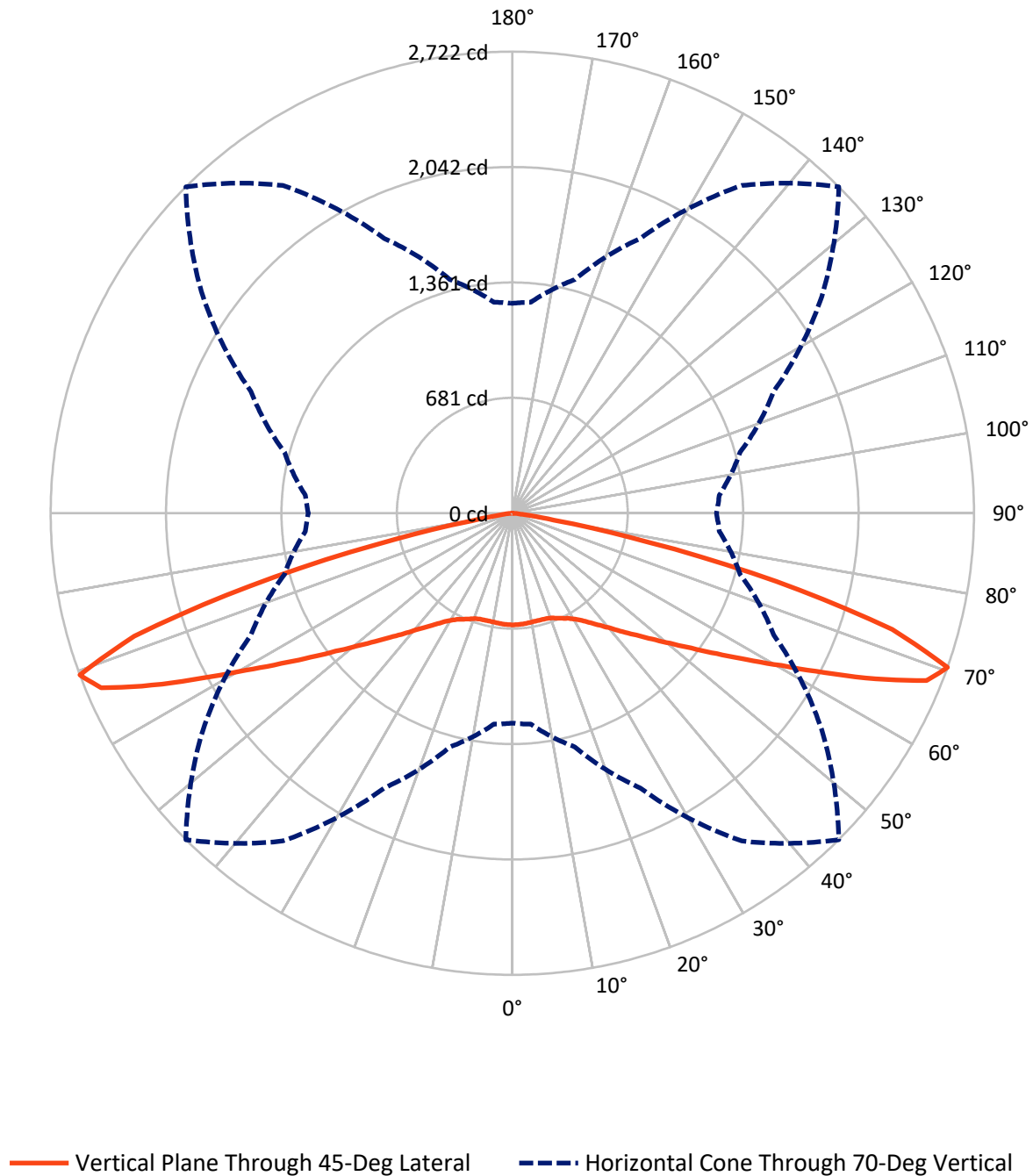


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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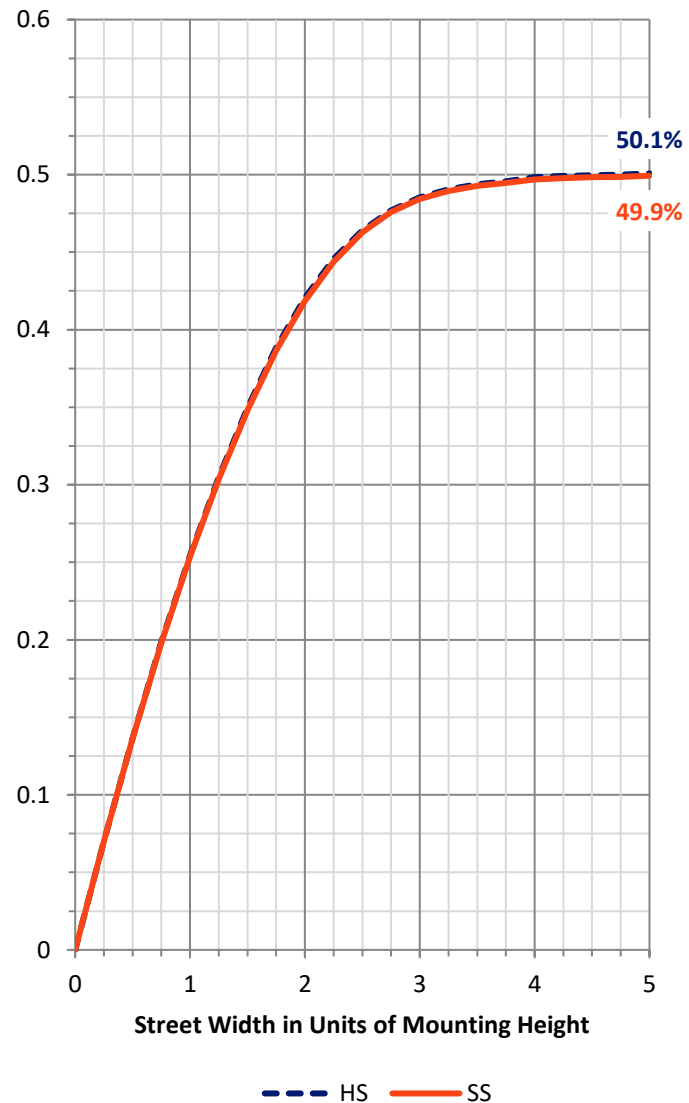
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2964.5	0.0	2964.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2964.5	0.0	2964.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5929.0	0.0	5929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	1.1
10°-20°	183.2	3.1
20°-30°	313.3	5.3
30°-40°	497.3	8.4
40°-50°	802.3	13.5
50°-60°	1305.4	22.0
60°-70°	1892.4	31.9
70°-80°	839.4	14.2
80°-90°	33.1	0.6
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°	5929.0	100.0
0°-180°	5929.0	100.0

Coefficient of Utilization



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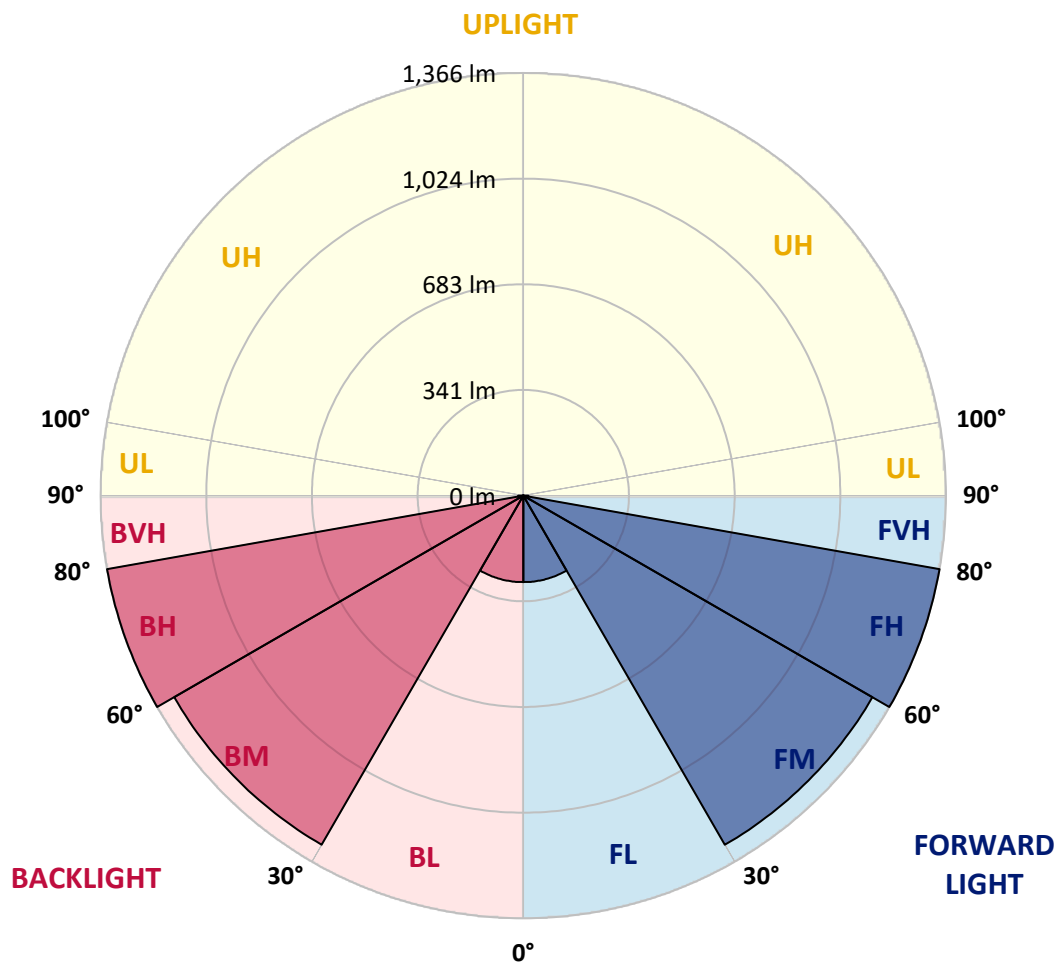
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.5	4.7			
FM	(30°-60°)	1302.6	22.0			
FH	(60°-80°)	1365.9	23.0			G1/1800
FVH	(80°-90°)	16.6	0.3			G1/100
BL	(0°-30°)	279.5	4.7	B1/500		
BM	(30°-60°)	1302.6	22.0	B2/2500		
BH	(60°-80°)	1365.9	23.0	B3/2500		G1/1800
BVH	(80°-90°)	16.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	658.4	658.4	658.4	658.4	658.4	658.4	658.4	658.4	658.4	658.4	658.4
2.5°	658.4	659.0	658.1	657.5	657.1	657.1	656.8	657.1	659.0	659.3	658.4
5°	656.5	657.1	656.8	656.2	655.9	655.9	655.6	655.3	656.8	657.5	657.1
7.5°	654.0	654.3	654.0	653.7	654.0	653.7	652.8	652.1	653.4	653.4	653.1
10°	649.6	650.3	650.0	650.3	650.9	650.9	649.6	648.4	648.7	648.1	648.1
12.5°	644.3	645.3	645.6	646.8	648.4	650.3	647.5	644.6	644.0	643.7	643.4
15°	640.9	641.8	643.1	644.3	647.1	651.2	647.1	642.8	641.5	640.3	639.6
17.5°	640.0	641.2	643.1	645.0	648.7	652.8	649.3	645.0	641.8	640.0	639.3
20°	642.5	643.4	646.2	649.6	655.0	659.0	655.6	650.9	646.2	643.4	642.5
22.5°	647.5	649.0	652.5	658.7	666.2	672.1	667.4	659.6	652.1	648.4	647.1
25°	658.4	659.6	663.7	672.1	680.9	686.5	681.5	672.4	662.1	657.1	655.6
27.5°	674.9	676.8	681.2	691.2	698.4	701.5	698.1	691.8	684.3	679.0	677.8
30°	698.4	700.6	707.1	717.8	722.4	724.3	722.8	718.7	713.4	707.8	706.5
32.5°	729.9	731.2	738.7	748.7	753.1	753.7	751.8	749.9	741.2	731.8	731.2
35°	765.3	767.4	776.5	788.4	792.4	792.8	789.0	786.2	775.9	768.4	768.4
37.5°	812.1	813.1	821.8	835.2	839.6	838.4	836.5	834.0	823.1	813.4	813.7
40°	867.1	869.0	876.5	892.1	892.1	890.6	891.8	889.9	879.0	869.6	869.9
42.5°	932.4	933.4	942.4	959.0	957.7	954.6	955.9	953.4	946.5	935.9	932.1
45°	1002.1	1005.9	1021.5	1037.4	1034.9	1024.9	1029.9	1029.3	1023.0	1007.1	1008.0
47.5°	1086.2	1092.4	1107.4	1126.5	1123.7	1108.0	1113.7	1117.4	1108.7	1091.2	1088.0
50°	1180.8	1184.9	1207.1	1224.9	1222.4	1205.8	1218.7	1219.3	1197.4	1172.7	1172.7
52.5°	1281.8	1285.8	1315.8	1343.6	1345.2	1321.1	1331.5	1330.8	1295.2	1262.7	1256.5
55°	1394.9	1396.8	1435.5	1476.5	1485.2	1461.8	1463.0	1450.5	1404.3	1366.5	1363.0
57.5°	1511.8	1518.6	1561.4	1614.6	1640.5	1626.1	1619.6	1586.1	1541.4	1498.0	1495.8
60°	1641.1	1641.4	1697.1	1759.9	1812.4	1822.0	1795.2	1750.5	1692.7	1635.2	1632.7
62.5°	1730.8	1744.2	1814.5	1920.8	2014.8	2069.2	1998.3	1904.5	1790.8	1698.0	1688.6
65°	1749.2	1758.3	1865.5	2045.5	2237.6	2354.8	2190.8	1991.4	1797.4	1673.6	1667.4
67.5°	1600.2	1609.9	1754.2	2030.5	2393.9	2634.2	2315.8	1949.5	1686.1	1533.0	1520.8
70°	1237.7	1248.7	1427.1	1787.4	2359.2	2722.0	2226.7	1700.5	1390.5	1225.2	1203.0
72.5°	658.1	698.4	850.9	1226.8	1914.9	2343.6	1825.8	1240.8	896.8	733.1	703.7
75°	240.3	245.3	330.3	544.0	1114.0	1607.1	1156.8	591.8	340.3	262.8	249.4
77.5°	99.4	99.1	108.7	164.4	404.7	823.1	451.5	173.7	108.4	100.3	99.1
80°	58.7	58.7	64.7	68.4	106.6	248.4	119.1	77.5	65.0	59.4	60.3
82.5°	26.2	27.8	40.9	43.1	51.6	68.1	57.5	49.4	42.5	29.4	26.6
85°	14.4	12.5	21.6	22.5	24.7	25.3	27.2	26.9	24.7	14.4	14.7
87.5°	2.8	3.4	6.2	4.7	5.3	4.7	6.2	8.7	9.1	5.0	4.1
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)