

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: P526689

Luminaire Tested: **GALN-SA1C-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3884 lumens
Efficiency: N/A
Efficacy: 68.1 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

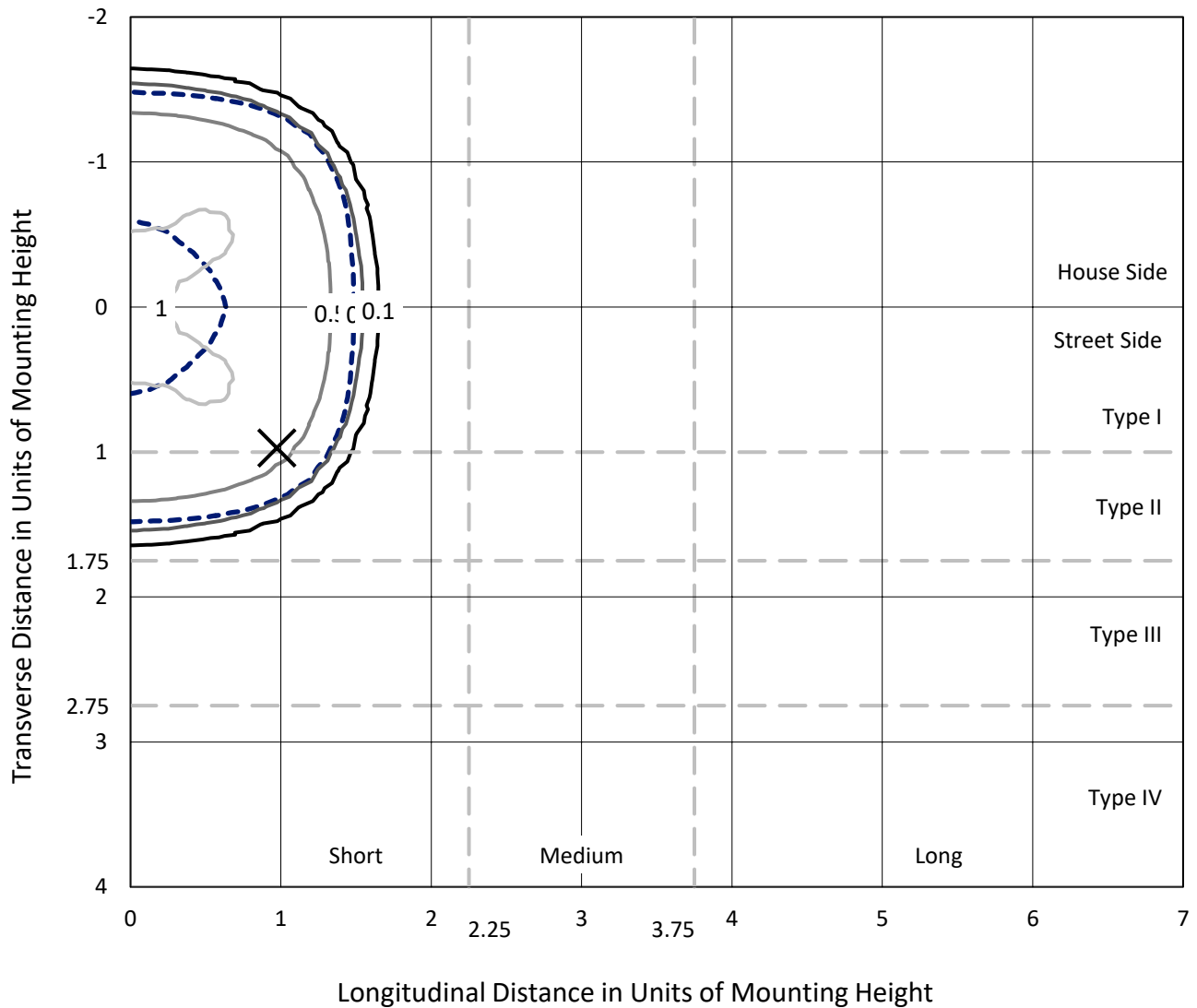
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526689
 CATALOG NUMBER: GALN-SA1C-830-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

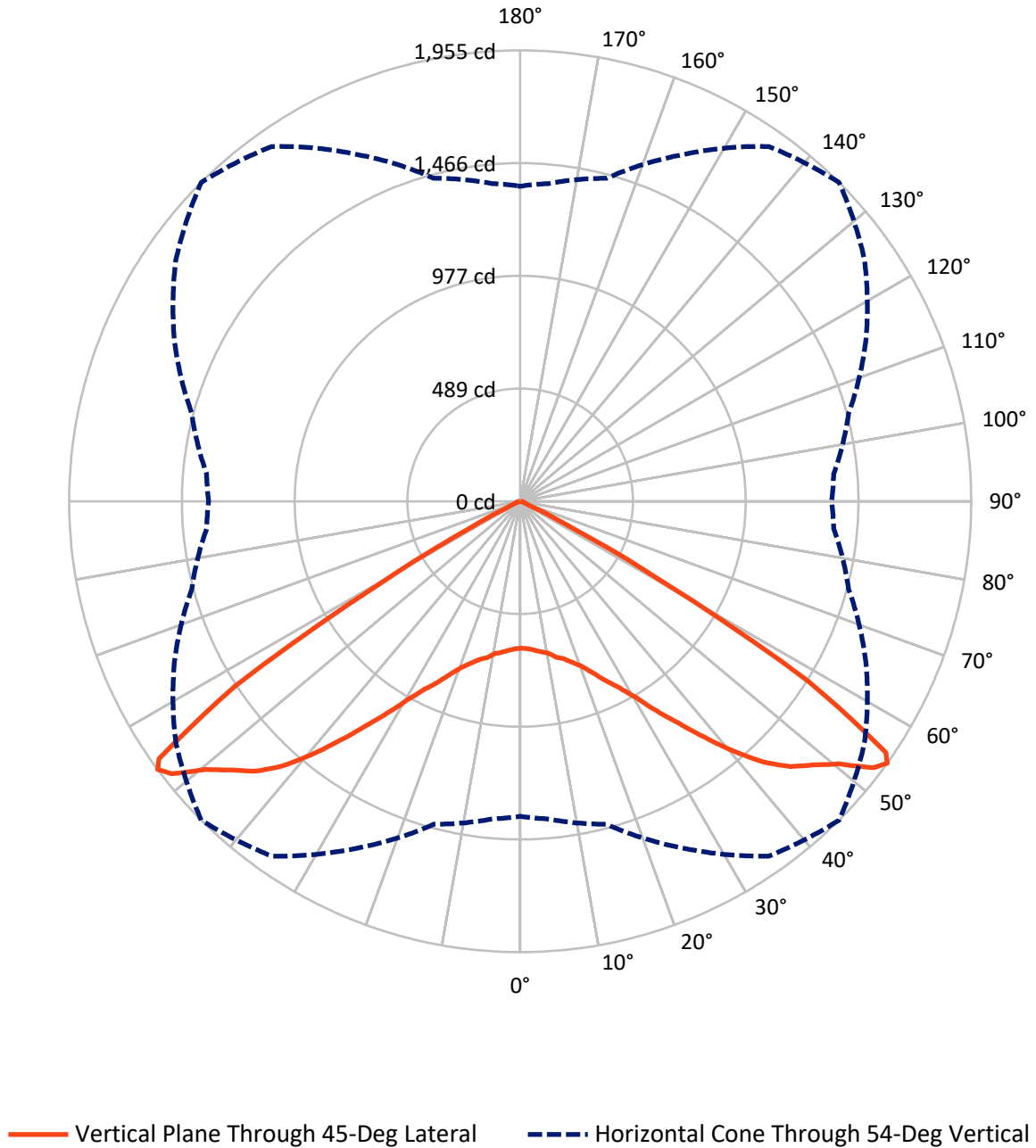
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526689
CATALOG NUMBER: GALN-SA1C-830-U-5NQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526689
 CATALOG NUMBER: GALN-SA1C-830-U-5NQ-GRSBK

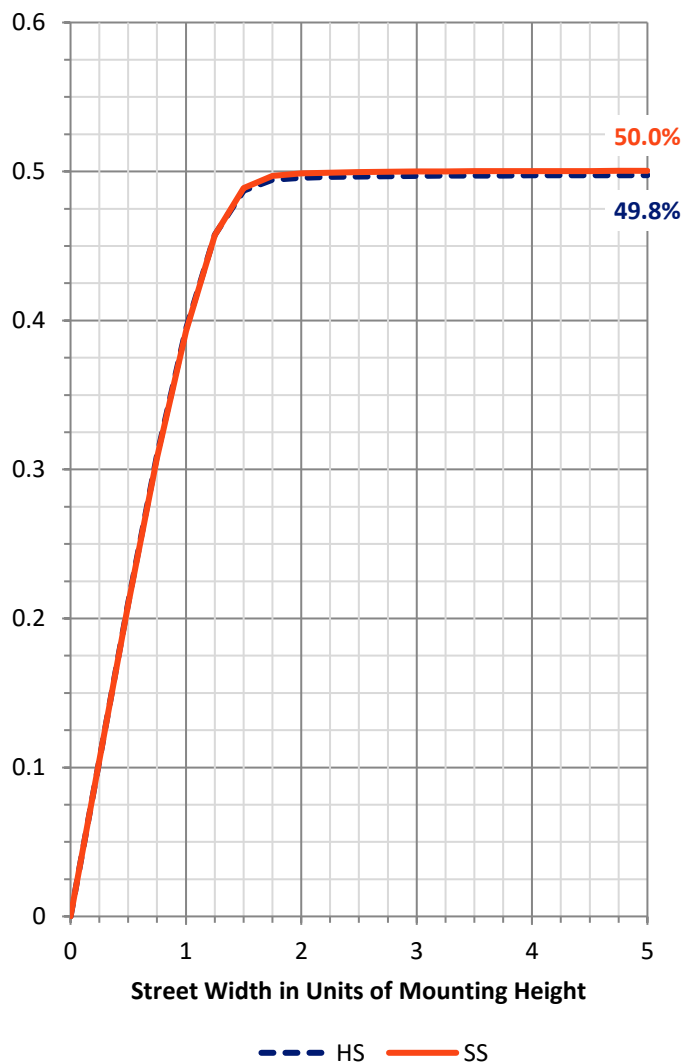
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1942.0	0.0	1942.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1942.0	0.0	1942.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3884.0	0.0	3884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.6
10°-20°	201.9	5.2
20°-30°	395.6	10.2
30°-40°	711.4	18.3
40°-50°	1217.8	31.4
50°-60°	1178.4	30.3
60°-70°	100.9	2.6
70°-80°	12.0	0.3
80°-90°	3.7	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°	3884.0	100.0
0°-180°	3884.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526689

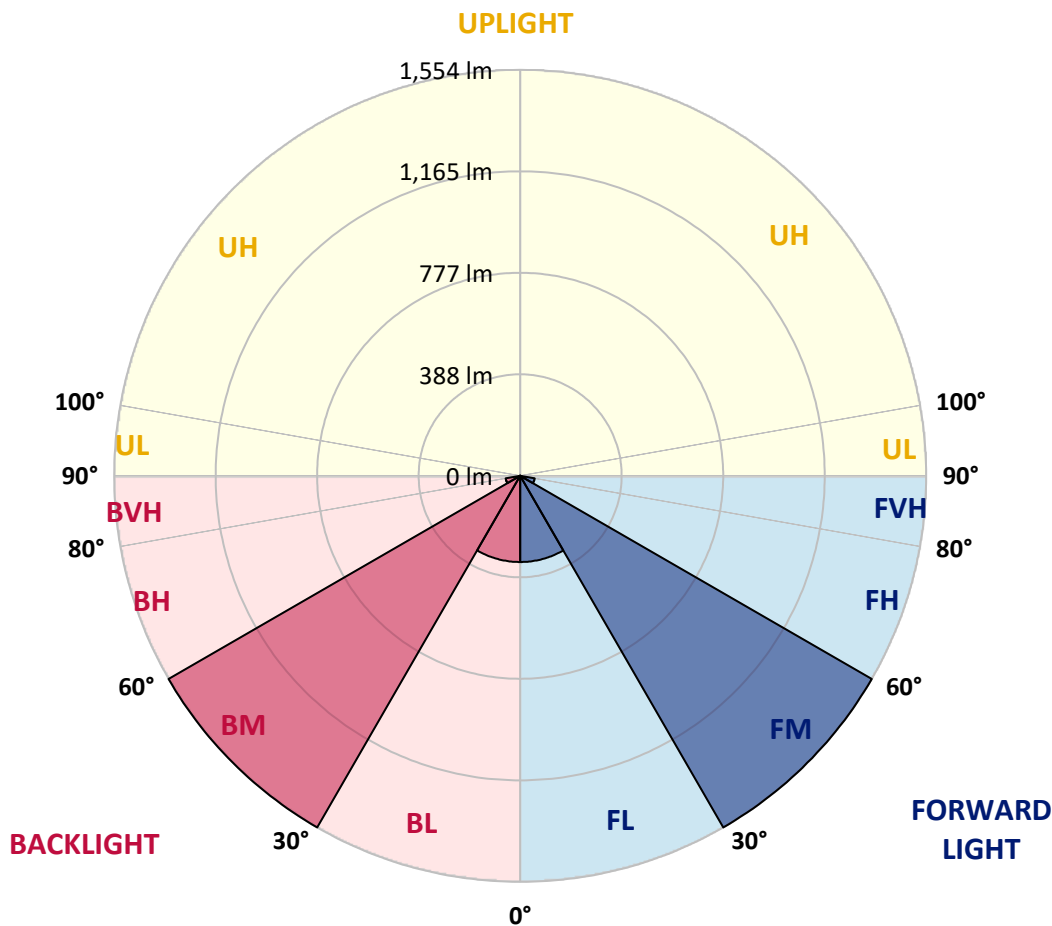
CATALOG NUMBER: GALN-SA1C-830-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.9	8.5			
FM (30°-60°)	1553.8	40.0			
FH (60°-80°)	56.4	1.5			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	329.9	8.5	B1/500		
BM (30°-60°)	1553.8	40.0	B2/2500		
BH (60°-80°)	56.4	1.5	B0/110		G0/660
BVH (80°-90°)	1.9	0.0			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





REPORT NUMBER: P526689

CATALOG NUMBER: GALN-SA1C-830-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9
2.5°	639.9	643.6	641.2	643.0	643.0	639.9	641.8	634.4	639.3	635.6	636.2
5°	649.8	649.2	649.2	649.8	647.3	648.5	646.1	643.6	641.8	639.3	646.7
7.5°	662.1	662.1	657.8	659.0	657.8	659.6	654.7	649.8	647.9	646.1	644.9
10°	673.8	672.5	670.7	676.2	671.9	669.5	667.0	663.9	657.2	654.7	652.2
12.5°	691.0	690.4	687.9	693.5	691.0	693.5	684.2	676.2	675.0	667.0	671.3
15°	711.3	716.8	712.5	712.5	711.3	708.2	704.5	700.8	689.8	686.7	687.3
17.5°	737.8	735.9	736.5	736.5	742.7	734.7	727.3	718.1	712.5	710.7	704.5
20°	763.0	765.5	764.8	769.1	772.8	764.2	756.2	755.0	739.6	742.1	733.5
22.5°	807.3	805.5	808.5	811.6	809.1	807.9	800.5	791.3	777.8	771.6	770.4
25°	854.1	851.0	845.4	852.8	856.5	862.1	847.9	843.0	822.1	812.8	813.5
27.5°	894.1	898.4	904.5	907.6	916.8	915.0	905.1	889.1	873.1	862.7	855.9
30°	948.8	951.3	961.7	966.1	982.0	986.4	971.0	952.5	924.2	910.7	902.7
32.5°	999.3	1016.5	1015.9	1037.4	1063.3	1081.1	1053.4	1025.1	996.8	980.8	966.7
35°	1081.1	1078.0	1095.9	1118.6	1160.5	1180.8	1150.6	1118.0	1075.0	1049.1	1038.0
37.5°	1157.4	1158.6	1182.6	1218.9	1266.9	1298.3	1271.9	1218.3	1174.0	1140.8	1125.4
40°	1268.2	1270.6	1295.2	1336.5	1390.6	1424.5	1393.7	1339.5	1280.5	1254.6	1254.6
42.5°	1398.0	1408.5	1424.5	1460.2	1508.8	1546.3	1518.6	1476.1	1416.5	1383.2	1388.2
45°	1531.5	1536.5	1546.9	1599.8	1622.6	1641.1	1615.2	1595.5	1555.5	1514.9	1508.1
47.5°	1656.4	1658.3	1689.1	1705.7	1723.5	1708.1	1724.7	1698.9	1654.0	1614.6	1606.6
50°	1711.8	1708.7	1752.4	1802.9	1816.4	1789.3	1775.2	1758.0	1689.7	1642.3	1621.4
52.5°	1550.6	1568.4	1649.7	1790.0	1895.8	1918.6	1836.1	1756.7	1629.4	1537.1	1522.9
54°	1366.0	1382.6	1449.7	1657.7	1878.0	1954.9	1822.0	1653.4	1473.7	1364.2	1350.0
55°	1183.3	1164.8	1286.6	1498.9	1794.3	1922.9	1766.0	1519.8	1314.3	1214.0	1194.3
57.5°	640.5	643.6	746.4	947.0	1260.8	1474.3	1302.0	1028.2	776.5	663.9	654.1
60°	203.1	208.0	252.9	382.7	602.4	719.3	616.5	412.9	285.5	228.9	219.7
62.5°	63.4	65.8	72.0	107.1	164.9	235.7	184.6	110.8	82.5	75.7	76.9
65°	38.8	38.8	39.4	41.8	49.2	57.2	55.4	48.6	46.8	45.5	44.9
67.5°	25.2	24.6	25.8	27.7	28.9	29.5	31.4	33.2	32.6	31.4	31.4
70°	15.4	14.8	16.0	18.5	19.1	20.3	22.2	24.6	24.0	22.8	23.4
72.5°	8.6	8.6	9.2	11.1	12.9	14.2	16.0	17.8	18.5	17.8	17.8
75°	3.1	3.7	4.9	6.8	8.0	9.8	11.7	13.5	15.4	14.2	13.5
77.5°	1.2	1.2	2.5	4.3	6.2	8.0	11.1	12.9	14.2	12.9	11.7
80°	0.6	0.6	1.8	3.7	5.5	7.4	9.2	11.1	11.7	10.5	9.2
82.5°	0.6	0.6	1.8	3.7	5.5	6.8	9.8	11.1	12.3	11.1	9.2
85°	0.0	0.6	1.8	3.7	4.9	5.5	5.5	3.7	3.1	1.8	1.8
87.5°	0.0	0.0	0.6	0.0	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)