

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: P526690

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
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-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5092 lumens
Efficiency: N/A
Efficacy: 89.3 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



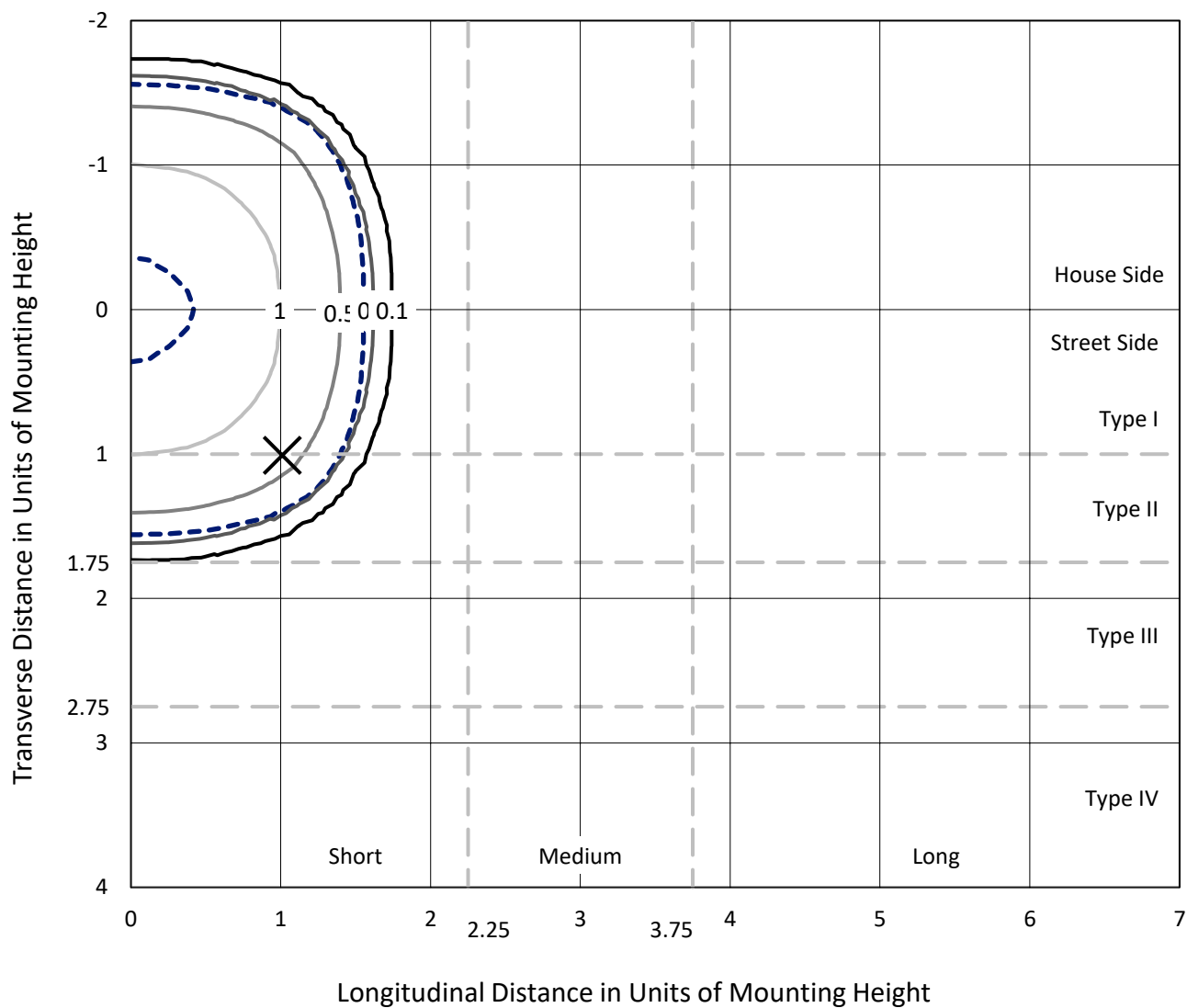
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

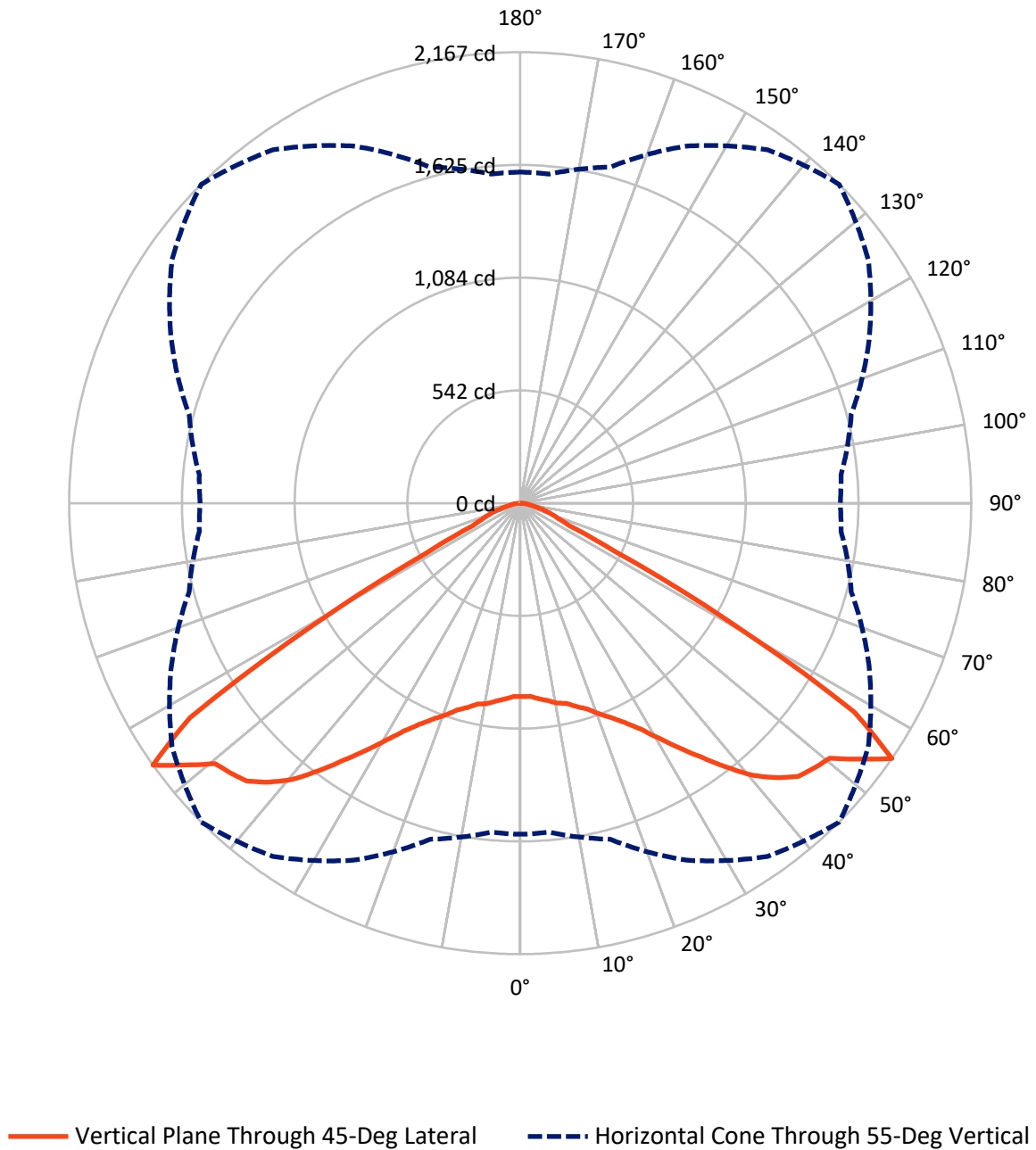
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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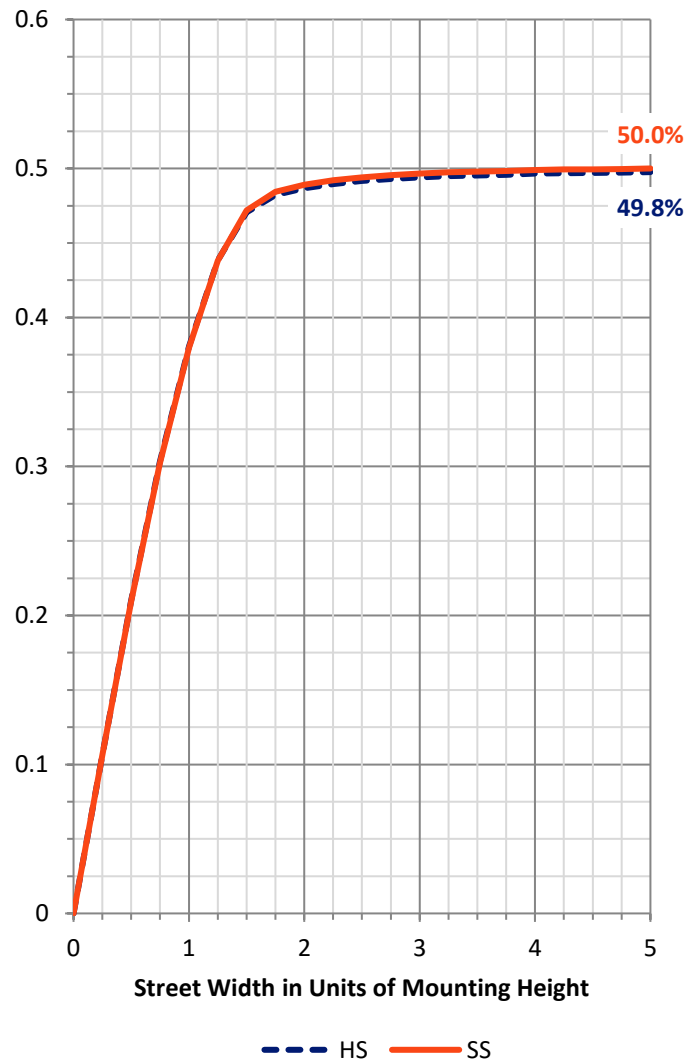
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2546.0	0.0	2546.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2546.0	0.0	2546.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5092.0	0.0	5092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.8
10°-20°	287.8	5.7
20°-30°	536.6	10.5
30°-40°	898.5	17.6
40°-50°	1398.1	27.5
50°-60°	1451.7	28.5
60°-70°	307.9	6.0
70°-80°	101.4	2.0
80°-90°	19.3	0.4
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°	5092.0	100.0
0°-180°	5092.0	100.0

Coefficient of Utilization



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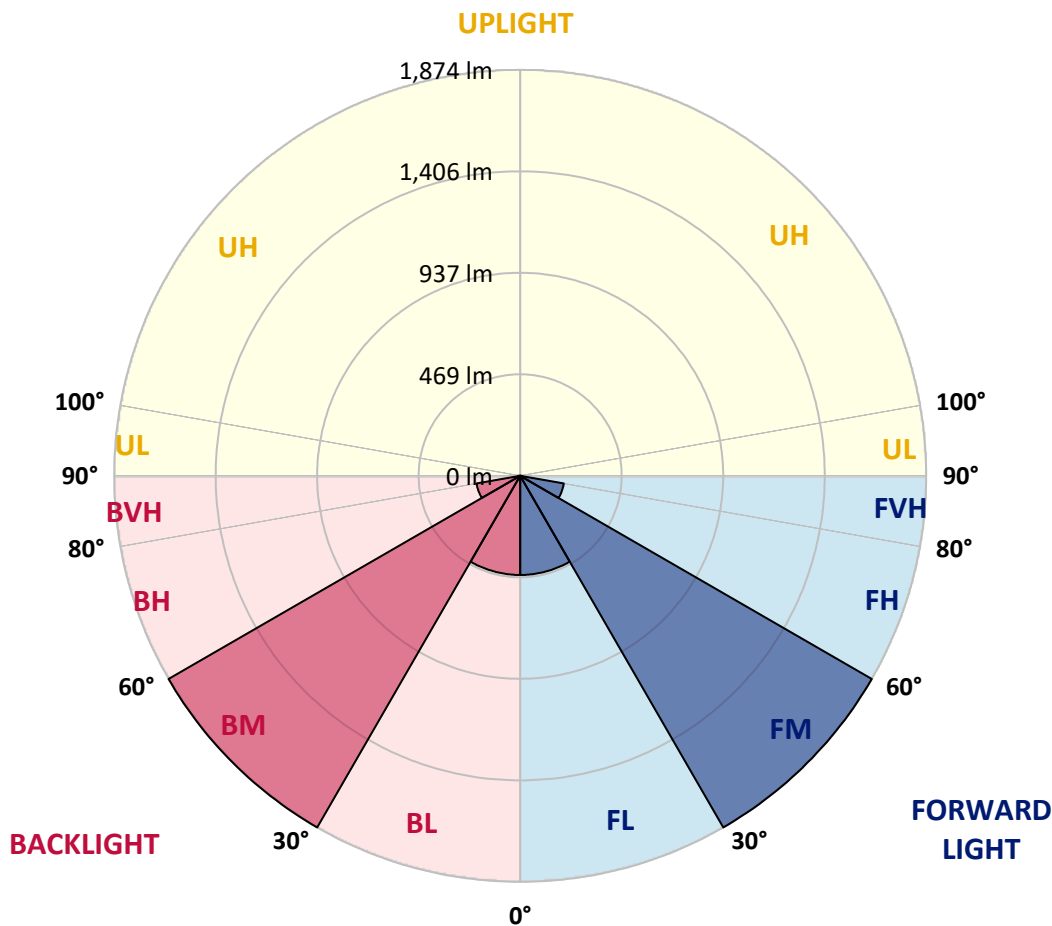
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.6	9.0			
FM	(30°-60°)	1874.1	36.8			
FH	(60°-80°)	204.6	4.0			G0/660
FVH	(80°-90°)	9.7	0.2			G0/10
BL	(0°-30°)	457.6	9.0	B1/500		
BM	(30°-60°)	1874.1	36.8	B2/2500		
BH	(60°-80°)	204.6	4.0	B1/500		G0/660
BVH	(80°-90°)	9.7	0.2			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°	929.7	929.7	929.7	929.7	929.7	929.7	929.7	929.7	929.7	929.7	929.7
2.5°	940.8	936.5	929.1	934.6	939.0	929.7	933.4	935.3	934.0	929.1	931.0
5°	954.3	951.9	945.7	950.0	944.5	944.5	940.8	935.9	943.3	942.0	945.1
7.5°	954.3	951.3	963.6	955.6	958.0	958.0	951.9	947.0	950.6	945.1	942.0
10°	973.4	977.7	972.2	974.0	972.8	977.1	967.9	964.8	961.7	959.9	956.2
12.5°	996.2	993.1	994.9	993.7	998.0	986.9	981.4	974.6	980.2	972.2	977.7
15°	1014.6	1012.8	1014.6	1019.6	1015.3	1014.6	1004.8	998.0	989.4	991.3	982.6
17.5°	1039.9	1038.0	1038.6	1042.9	1042.3	1039.2	1031.9	1018.9	1015.9	1010.9	1005.4
20°	1077.4	1074.3	1073.1	1074.9	1078.0	1080.5	1065.7	1060.8	1050.3	1042.3	1033.1
22.5°	1109.4	1108.2	1113.1	1105.1	1111.9	1119.2	1105.1	1102.6	1076.8	1072.5	1062.6
25°	1153.7	1151.8	1148.8	1160.5	1168.5	1167.8	1154.3	1140.8	1121.1	1116.2	1116.2
27.5°	1200.5	1190.0	1206.0	1209.1	1223.2	1227.5	1215.8	1196.1	1177.7	1167.2	1169.7
30°	1258.9	1249.1	1252.8	1274.9	1293.4	1309.4	1279.8	1250.9	1225.1	1206.6	1203.5
32.5°	1317.4	1307.5	1318.6	1340.1	1377.0	1401.0	1372.1	1321.7	1291.5	1264.4	1270.0
35°	1364.7	1372.1	1390.0	1422.6	1460.7	1499.5	1453.3	1414.6	1371.5	1341.4	1345.7
37.5°	1441.0	1463.8	1478.0	1515.5	1569.6	1609.6	1561.6	1511.2	1465.0	1425.7	1412.1
40°	1540.7	1556.1	1572.1	1616.4	1680.4	1720.4	1674.9	1609.0	1563.5	1522.9	1521.0
42.5°	1650.2	1665.0	1681.6	1735.8	1773.9	1804.1	1762.2	1727.2	1676.7	1644.7	1642.9
45°	1777.6	1767.2	1785.6	1821.3	1853.3	1873.0	1845.9	1828.7	1792.4	1762.8	1759.8
47.5°	1862.5	1853.3	1886.5	1918.5	1923.4	1901.9	1907.4	1923.4	1885.3	1836.7	1852.1
50°	1911.7	1911.7	1933.9	1963.4	1954.2	1926.5	1970.2	1971.4	1933.3	1890.2	1890.2
52.5°	1826.2	1845.3	1908.1	2004.7	2035.4	2043.4	2033.6	1991.7	1892.1	1804.1	1799.8
55°	1591.2	1586.9	1671.8	1893.3	2072.3	2167.1	2041.6	1849.0	1646.6	1547.5	1537.6
57.5°	1034.9	1039.9	1166.6	1392.4	1715.5	1892.1	1680.4	1409.7	1166.6	1030.0	1042.9
60°	465.8	482.4	559.3	727.9	1005.4	1149.4	1007.9	764.8	587.0	509.5	516.2
62.5°	267.7	270.7	273.8	324.9	428.3	506.4	444.9	343.3	302.7	289.2	289.2
65°	225.8	224.0	224.6	228.9	240.0	256.0	249.2	240.0	241.2	240.0	238.1
67.5°	192.0	194.4	192.6	195.7	196.3	198.7	203.1	206.7	207.4	208.6	207.4
70°	157.5	158.1	159.4	161.8	162.4	164.3	170.4	173.5	175.4	175.4	177.8
72.5°	120.6	120.0	121.2	123.7	126.8	127.4	132.9	137.2	139.7	136.6	137.2
75°	79.4	80.0	81.8	83.7	88.0	92.3	94.1	98.4	99.1	100.3	97.2
77.5°	47.4	48.6	50.5	54.1	57.8	61.5	65.8	68.9	70.1	68.9	65.2
80°	30.8	30.8	33.2	36.3	40.6	43.7	46.1	48.6	50.5	48.6	47.4
82.5°	19.1	19.1	22.2	25.8	28.9	30.8	34.5	37.5	39.4	38.1	36.3
85°	9.8	10.5	12.9	16.0	18.5	19.7	19.1	17.2	15.4	14.8	13.5
87.5°	3.1	3.1	3.7	3.7	3.1	3.1	3.7	3.1	3.7	3.7	3.7
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)