

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: P526696

Luminaire Tested: **GALN-SA1C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4953 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - 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



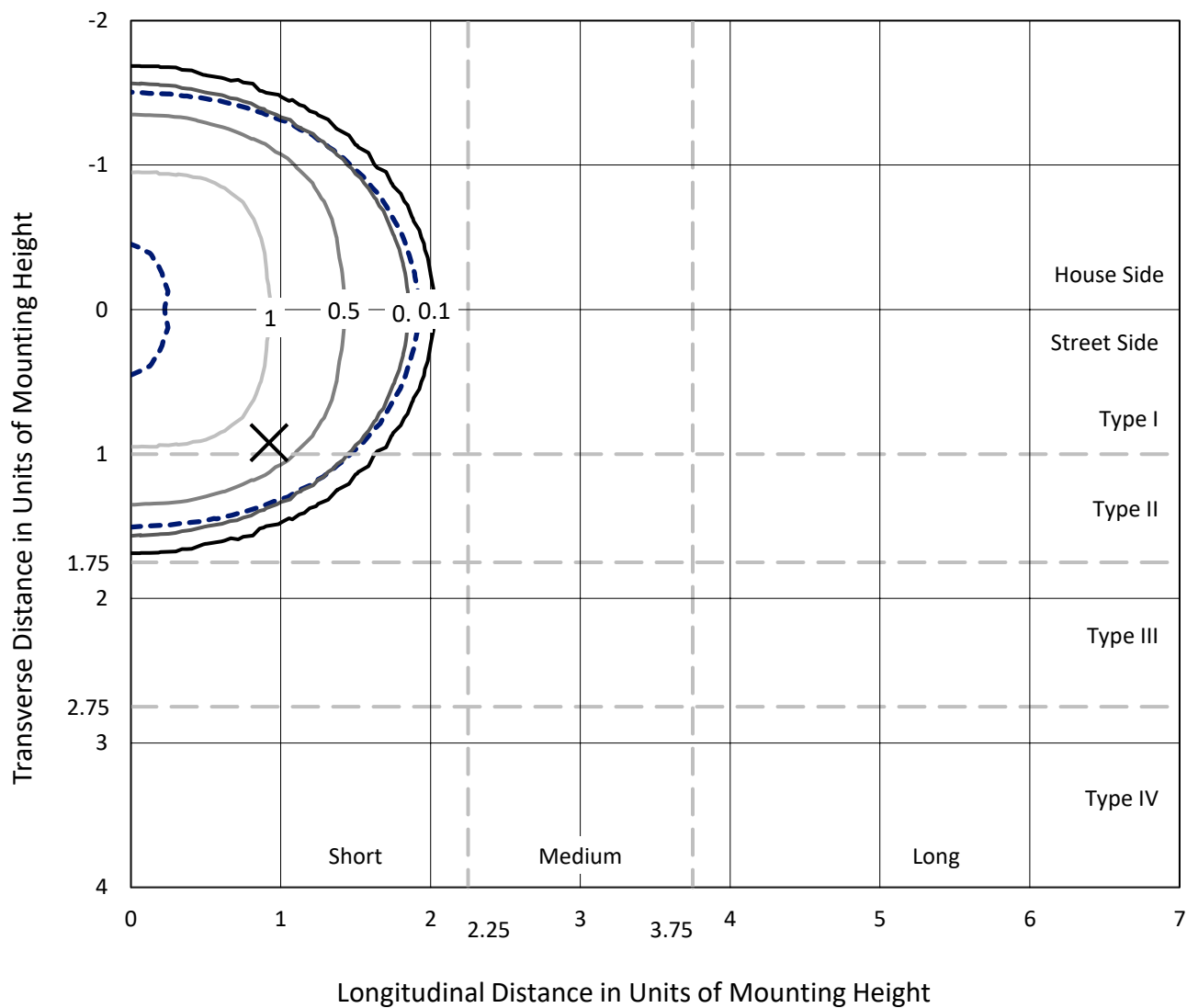
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

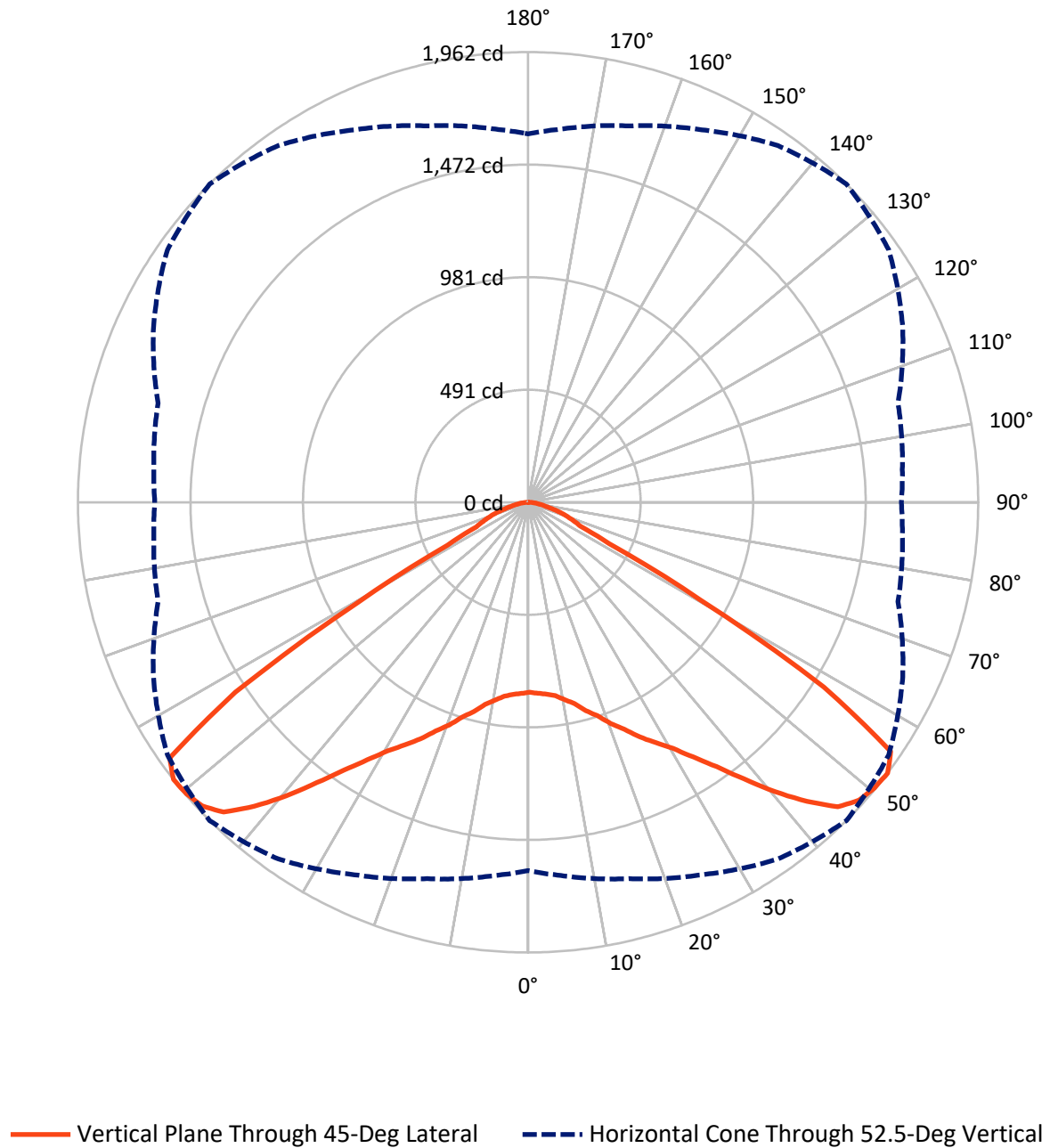
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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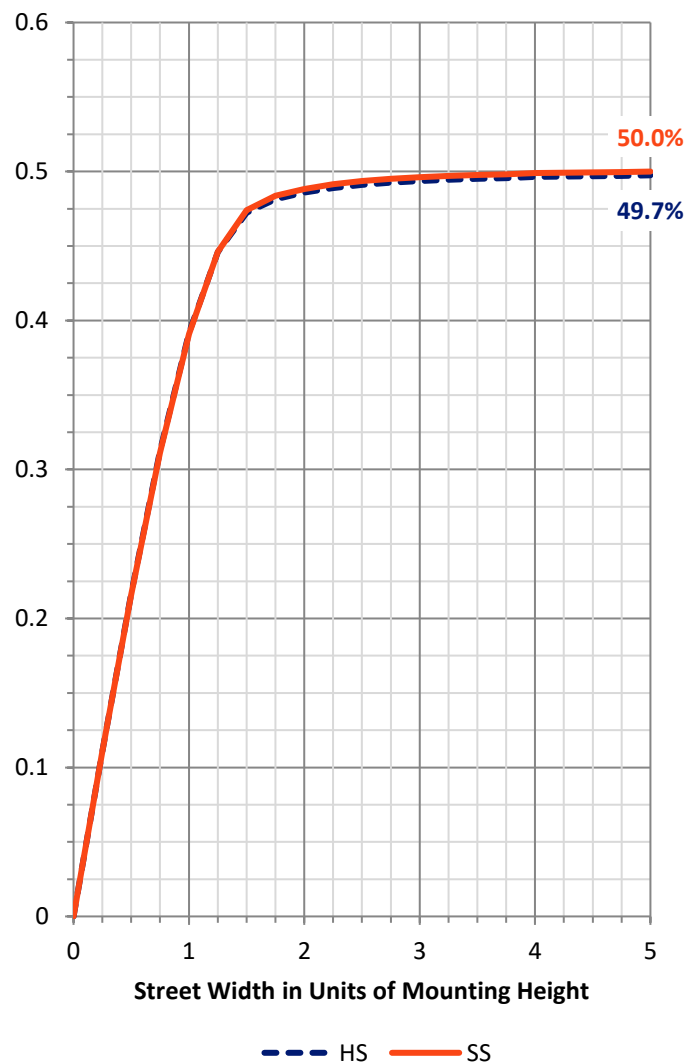
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2476.5	0.0	2476.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2476.5	0.0	2476.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4953.0	0.0	4953.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	1.6
10°-20°	267.3	5.4
20°-30°	508.9	10.3
30°-40°	873.8	17.6
40°-50°	1343.0	27.1
50°-60°	1363.8	27.5
60°-70°	380.1	7.7
70°-80°	112.1	2.3
80°-90°	22.6	0.5
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°	4953.0	100.0
0°-180°	4953.0	100.0

Coefficient of Utilization



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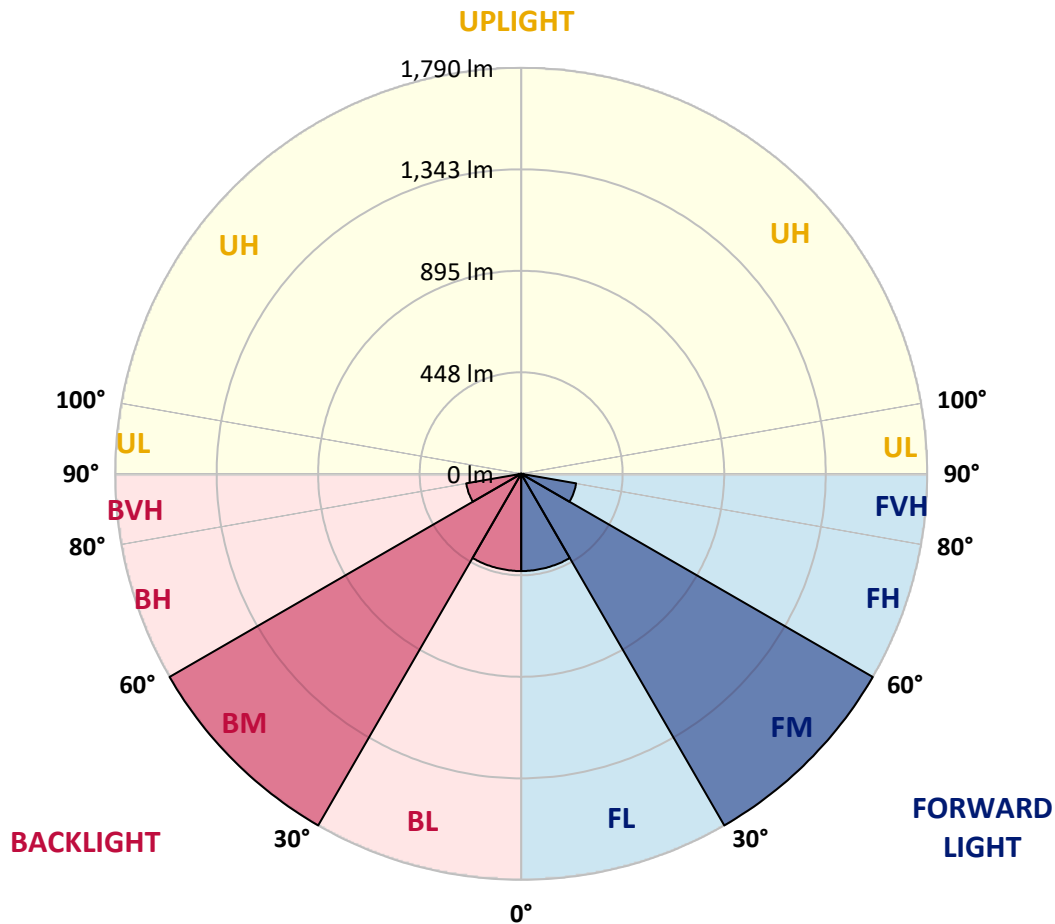
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	428.8	8.7			
FM	(30°-60°)	1790.3	36.1			
FH	(60°-80°)	246.1	5.0			G0/660
FVH	(80°-90°)	11.3	0.2			G1/100
BL	(0°-30°)	428.8	8.7	B1/500		
BM	(30°-60°)	1790.3	36.1	B2/2500		
BH	(60°-80°)	246.1	5.0	B1/500		G0/660
BVH	(80°-90°)	11.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0
2.5°	829.8	821.2	824.3	826.1	834.1	833.5	831.6	834.1	836.6	837.2	835.9
5°	829.2	823.0	825.5	827.3	835.3	839.6	838.4	848.9	856.2	854.4	863.6
7.5°	824.3	828.0	824.9	834.1	840.9	851.3	862.4	872.2	881.4	891.9	893.7
10°	835.3	835.3	840.9	848.2	866.1	874.1	890.0	904.2	922.0	934.3	929.4
12.5°	847.0	848.9	848.9	867.9	882.7	900.5	915.2	934.3	959.5	974.3	981.6
15°	858.7	859.9	866.1	891.9	914.0	942.3	955.8	973.0	987.2	1014.8	1015.4
17.5°	869.1	875.9	894.3	923.2	950.9	977.9	999.5	1017.3	1029.6	1040.6	1038.2
20°	908.5	913.4	932.5	961.3	1002.5	1029.0	1036.3	1039.4	1047.4	1069.5	1062.8
22.5°	946.6	948.4	966.3	1010.5	1039.4	1074.4	1082.4	1080.6	1083.7	1089.2	1099.0
25°	985.9	989.0	1013.6	1051.1	1091.7	1133.4	1140.2	1126.1	1121.8	1127.9	1128.5
27.5°	1036.3	1036.9	1068.3	1100.9	1147.0	1186.3	1196.8	1185.7	1165.4	1170.3	1178.3
30°	1100.3	1096.0	1127.3	1174.0	1222.6	1244.7	1262.5	1257.0	1234.9	1230.6	1223.8
32.5°	1174.0	1175.2	1203.5	1254.5	1286.5	1323.4	1342.4	1333.2	1319.1	1311.7	1316.0
35°	1277.9	1283.4	1302.5	1344.9	1396.5	1415.0	1445.1	1425.4	1388.5	1397.8	1405.7
37.5°	1363.3	1379.3	1415.0	1465.4	1496.1	1529.9	1541.0	1514.5	1487.5	1476.4	1502.9
40°	1494.3	1489.3	1528.7	1579.1	1624.6	1658.4	1644.2	1617.8	1550.8	1551.4	1558.8
42.5°	1606.7	1609.2	1639.3	1699.6	1761.6	1782.5	1737.7	1673.1	1598.8	1590.8	1606.7
45°	1701.4	1711.2	1728.4	1809.0	1869.8	1892.6	1809.6	1733.4	1633.8	1600.6	1627.0
47.5°	1735.2	1751.2	1788.7	1862.4	1922.7	1941.1	1874.7	1765.3	1666.4	1612.3	1626.4
50°	1740.1	1734.6	1796.1	1863.7	1916.5	1956.5	1898.1	1788.7	1658.4	1630.1	1625.8
52.5°	1605.5	1632.6	1698.3	1791.1	1898.1	1962.0	1919.0	1801.6	1669.4	1637.5	1627.0
55°	1299.4	1267.4	1387.3	1543.4	1740.1	1917.8	1911.6	1808.4	1676.2	1649.8	1635.6
57.5°	725.3	734.5	802.1	971.8	1225.7	1520.7	1699.6	1737.1	1673.1	1657.8	1665.1
60°	335.6	338.7	367.6	446.9	604.2	862.4	1097.8	1336.9	1446.9	1469.1	1469.1
62.5°	250.2	248.9	256.3	270.5	303.6	396.5	529.2	719.2	870.4	976.1	1003.8
65°	226.2	225.6	229.3	234.2	236.6	249.6	279.1	337.5	386.6	414.9	410.0
67.5°	197.9	197.3	198.5	201.6	205.9	212.7	220.1	232.3	249.6	248.3	245.3
70°	159.8	159.8	161.7	164.1	169.0	177.0	185.6	194.2	209.0	212.1	211.4
72.5°	118.0	116.2	119.9	124.8	129.7	139.5	148.7	156.7	167.2	170.3	169.0
75°	75.0	76.2	78.7	84.2	92.8	99.6	109.4	116.2	122.9	125.4	126.0
77.5°	41.8	43.0	47.3	54.1	62.7	70.1	78.7	84.2	88.5	89.1	89.7
80°	25.2	25.8	30.1	36.3	43.6	51.6	58.4	63.9	67.6	65.8	65.2
82.5°	15.4	16.0	19.7	25.2	31.3	37.5	44.9	49.8	53.5	51.0	48.6
85°	8.0	8.6	11.7	15.4	20.3	23.4	23.4	20.9	20.3	19.1	18.4
87.5°	2.5	2.5	3.1	3.7	3.1	3.7	4.3	4.9	4.9	5.5	4.9
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)