

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: P526930

Luminaire Tested: **GALN-SA1D-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526930
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-SA1D-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 5451 lumens
Efficiency: N/A
Efficacy: 83.9 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): 65
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



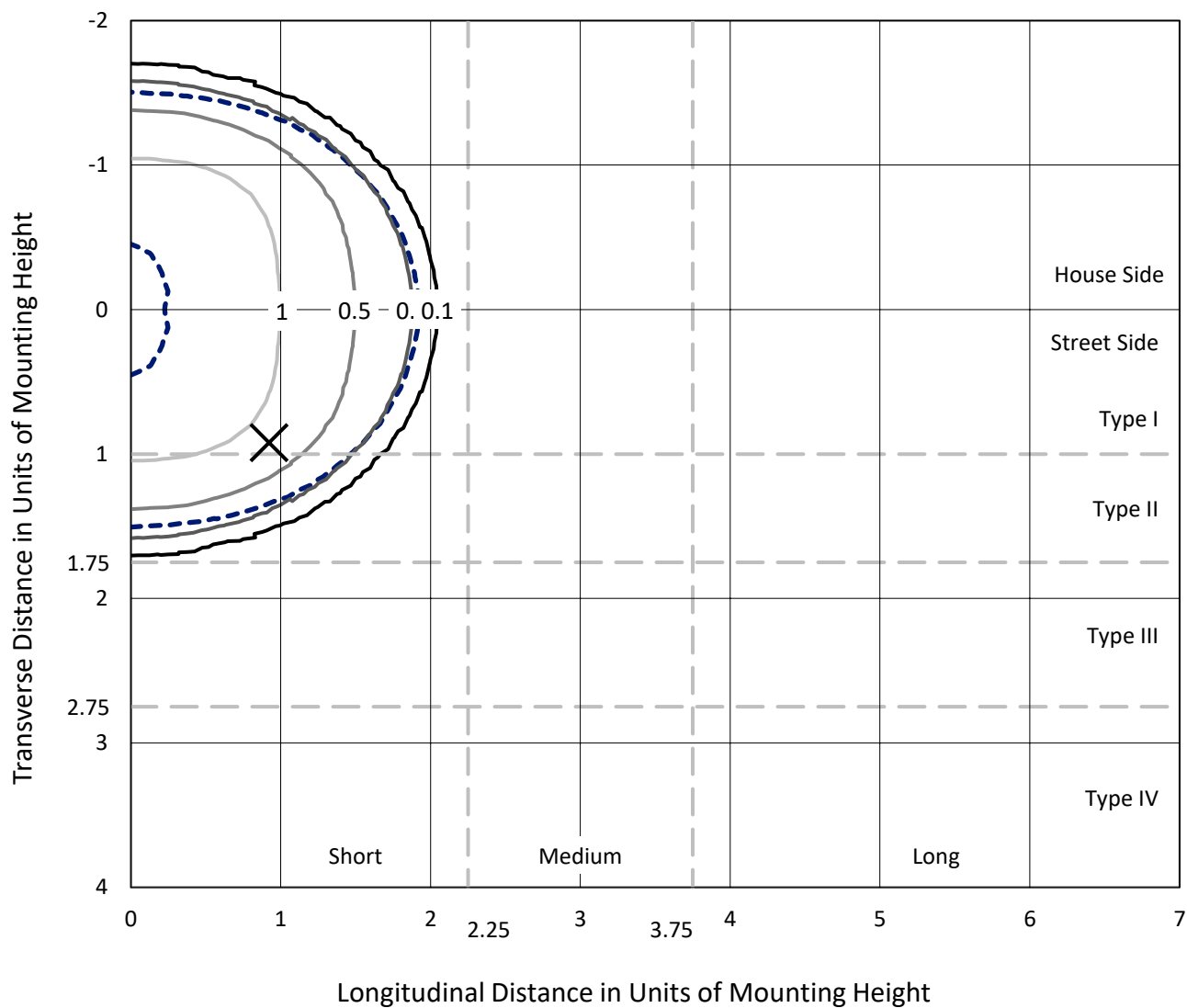
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

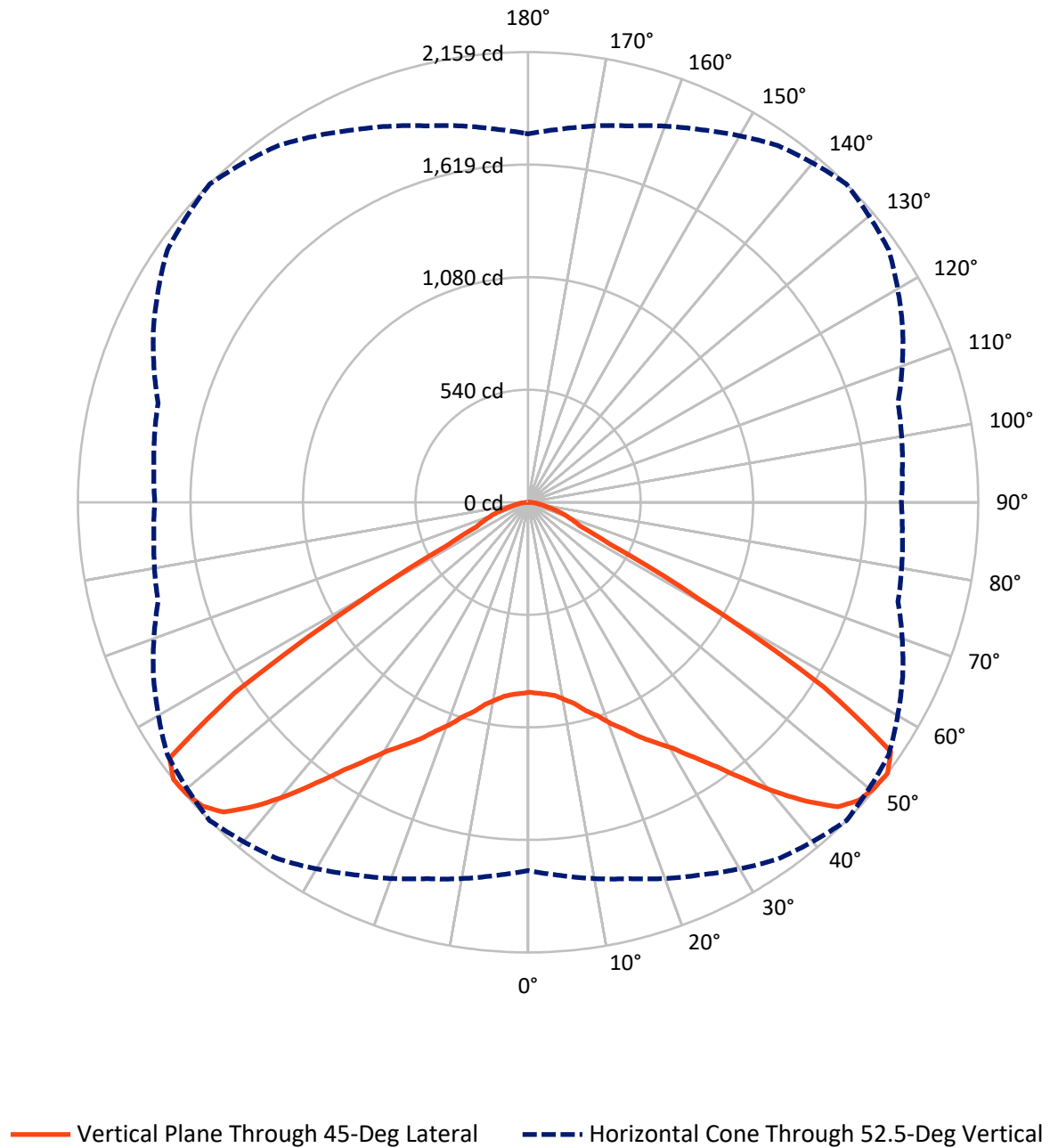
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	2725.5	0.0	2725.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2725.5	0.0	2725.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5451.0	0.0	5451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	1.6
10°-20°	294.2	5.4
20°-30°	560.1	10.3
30°-40°	961.6	17.6
40°-50°	1478.1	27.1
50°-60°	1501.0	27.5
60°-70°	418.3	7.7
70°-80°	123.4	2.3
80°-90°	24.9	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°	5451.0	100.0
0°-180°	5451.0	100.0

Coefficient of Utilization



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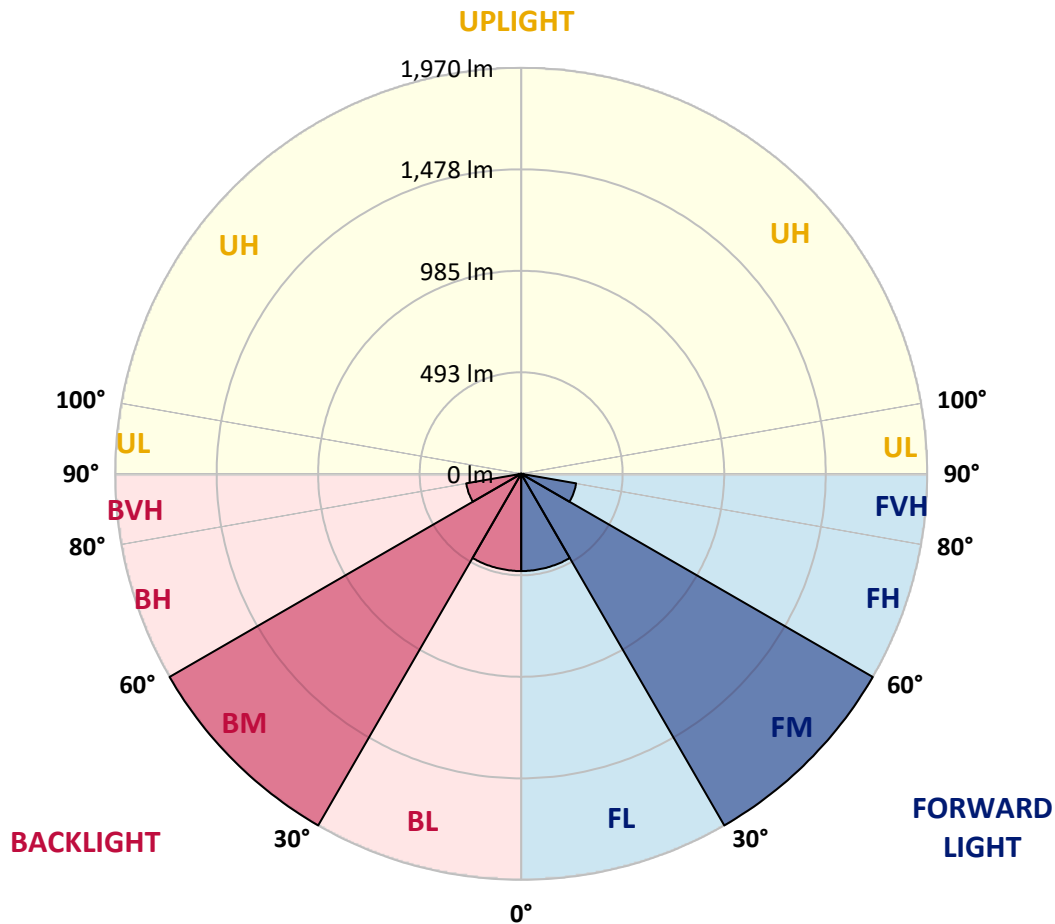
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	471.9	8.7			
FM	(30°-60°)	1970.3	36.1			
FH	(60°-80°)	270.8	5.0			G0/660
FVH	(80°-90°)	12.4	0.2			G1/100
BL	(0°-30°)	471.9	8.7	B1/500		
BM	(30°-60°)	1970.3	36.1	B2/2500		
BH	(60°-80°)	270.8	5.0	B1/500		G0/660
BVH	(80°-90°)	12.4	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°	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2	911.2
2.5°	913.2	903.8	907.1	909.2	918.0	917.3	915.3	918.0	920.7	921.4	920.0
5°	912.6	905.8	908.5	910.5	919.3	924.1	922.7	934.2	942.3	940.3	950.4
7.5°	907.1	911.2	907.8	918.0	925.4	936.9	949.1	959.9	970.1	981.6	983.6
10°	919.3	919.3	925.4	933.5	953.1	961.9	979.5	995.1	1014.7	1028.2	1022.8
12.5°	932.2	934.2	934.2	955.2	971.4	991.0	1007.3	1028.2	1056.0	1072.2	1080.3
15°	945.0	946.4	953.1	981.6	1005.9	1037.0	1051.9	1070.9	1086.4	1116.9	1117.5
17.5°	956.5	964.0	984.3	1016.1	1046.5	1076.3	1099.9	1119.6	1133.1	1145.3	1142.6
20°	999.8	1005.2	1026.2	1058.0	1103.3	1132.4	1140.5	1143.9	1152.7	1177.1	1169.6
22.5°	1041.8	1043.8	1063.4	1112.1	1143.9	1182.5	1191.3	1189.2	1192.6	1198.7	1209.5
25°	1085.1	1088.4	1115.5	1156.8	1201.4	1247.4	1254.9	1239.3	1234.6	1241.3	1242.0
27.5°	1140.5	1141.2	1175.7	1211.6	1262.3	1305.6	1317.1	1304.9	1282.6	1288.0	1296.8
30°	1210.9	1206.1	1240.6	1292.1	1345.5	1369.9	1389.5	1383.4	1359.0	1354.3	1346.9
32.5°	1292.1	1293.4	1324.5	1380.7	1415.9	1456.4	1477.4	1467.3	1451.7	1443.6	1448.3
35°	1406.4	1412.5	1433.4	1480.1	1536.9	1557.2	1590.4	1568.7	1528.1	1538.3	1547.1
37.5°	1500.4	1518.0	1557.2	1612.7	1646.5	1683.7	1695.9	1666.8	1637.1	1624.9	1654.0
40°	1644.5	1639.1	1682.4	1737.9	1787.9	1825.1	1809.6	1780.5	1706.7	1707.4	1715.5
42.5°	1768.3	1771.0	1804.1	1870.4	1938.8	1961.8	1912.4	1841.4	1759.5	1750.7	1768.3
45°	1872.5	1883.3	1902.2	1990.9	2057.8	2082.9	1991.5	1907.6	1798.1	1761.5	1790.6
47.5°	1909.7	1927.3	1968.5	2049.7	2116.0	2136.3	2063.2	1942.8	1833.9	1774.4	1789.9
50°	1915.1	1909.0	1976.6	2051.1	2109.2	2153.2	2088.9	1968.5	1825.1	1794.0	1789.3
52.5°	1766.9	1796.7	1869.1	1971.2	2088.9	2159.3	2111.9	1982.7	1837.3	1802.1	1790.6
55°	1430.1	1394.9	1526.8	1698.6	1915.1	2110.6	2103.8	1990.2	1844.7	1815.6	1800.1
57.5°	798.2	808.4	882.8	1069.5	1348.9	1673.6	1870.4	1911.7	1841.4	1824.4	1832.6
60°	369.4	372.7	404.5	491.8	665.0	949.1	1208.2	1471.3	1592.4	1616.8	1616.8
62.5°	275.3	274.0	282.1	297.6	334.2	436.3	582.4	791.5	957.9	1074.2	1104.7
65°	248.9	248.3	252.3	257.7	260.4	274.6	307.1	371.4	425.5	456.6	451.2
67.5°	217.8	217.1	218.5	221.9	226.6	234.1	242.2	255.7	274.6	273.3	269.9
70°	175.9	175.9	177.9	180.6	186.0	194.8	204.3	213.8	230.0	233.4	232.7
72.5°	129.9	127.9	131.9	137.3	142.7	153.6	163.7	172.5	184.0	187.4	186.0
75°	82.5	83.9	86.6	92.7	102.1	109.6	120.4	127.9	135.3	138.0	138.7
77.5°	46.0	47.4	52.1	59.5	69.0	77.1	86.6	92.7	97.4	98.1	98.8
80°	27.7	28.4	33.1	39.9	48.0	56.8	64.3	70.4	74.4	72.4	71.7
82.5°	16.9	17.6	21.6	27.7	34.5	41.3	49.4	54.8	58.9	56.1	53.4
85°	8.8	9.5	12.9	16.9	22.3	25.7	25.7	23.0	22.3	21.0	20.3
87.5°	2.7	2.7	3.4	4.1	3.4	4.1	4.7	5.4	5.4	6.1	5.4
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)