

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: P526929

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4020 lumens
Efficiency: N/A
Efficacy: 61.8 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): 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

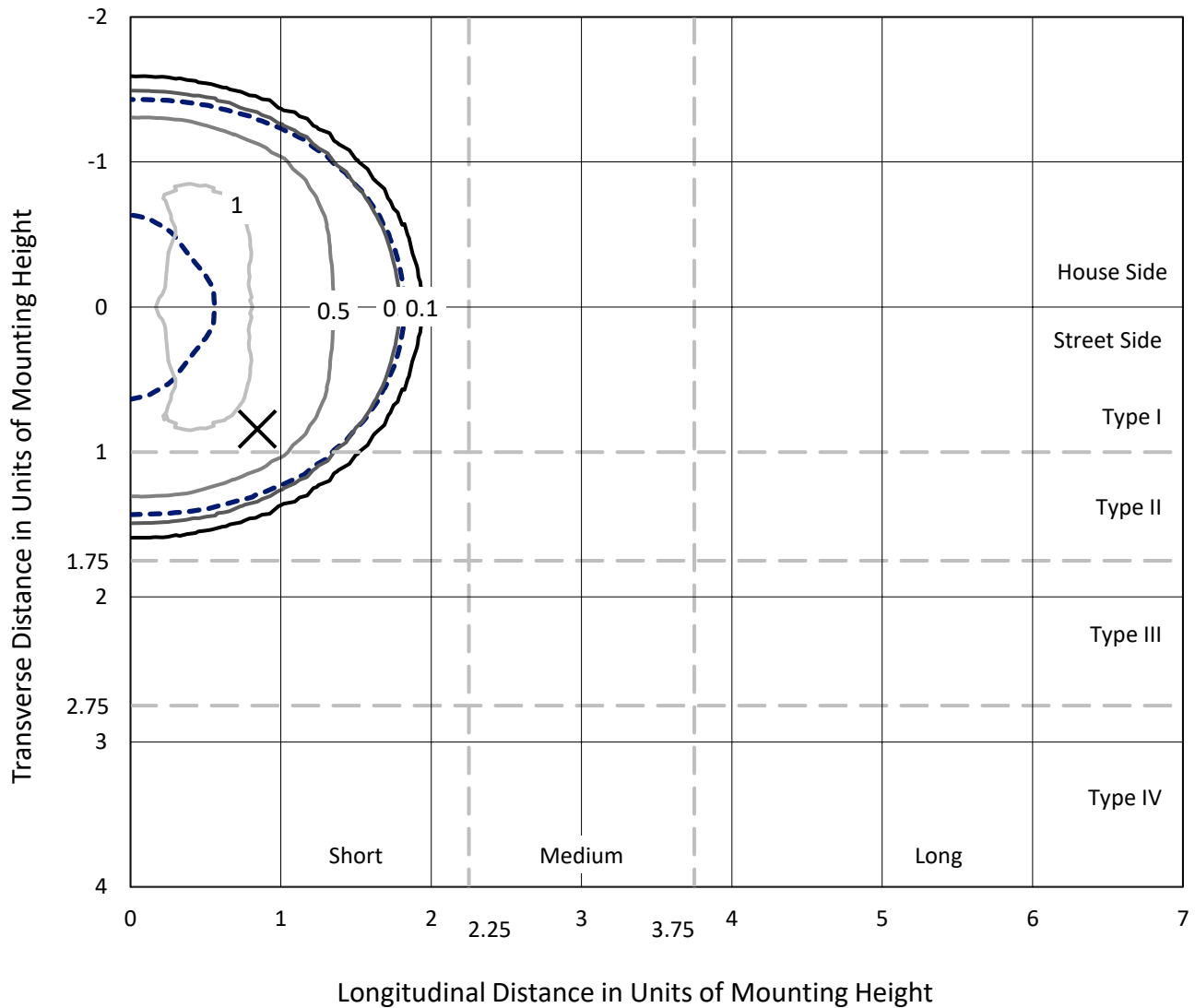


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

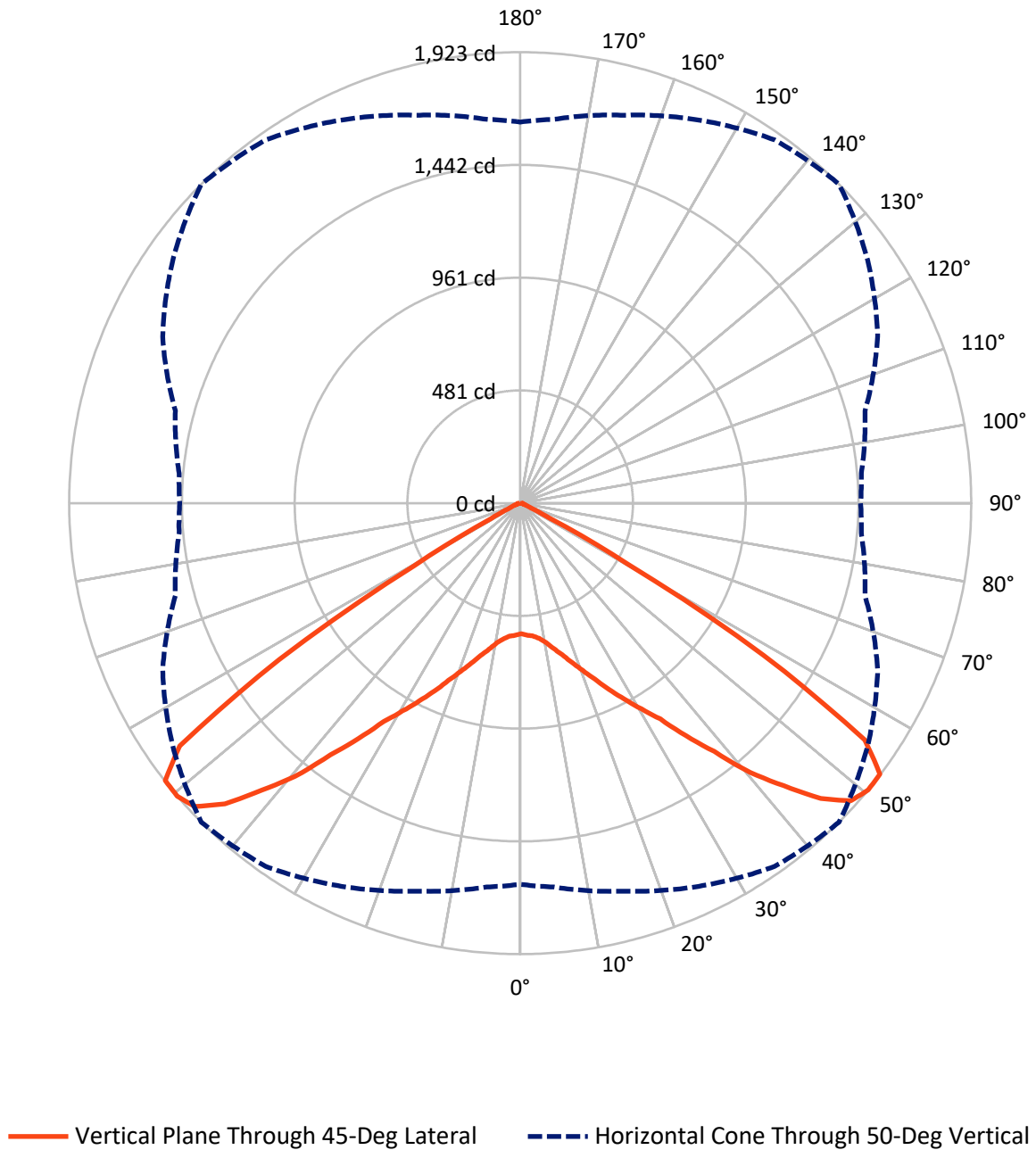


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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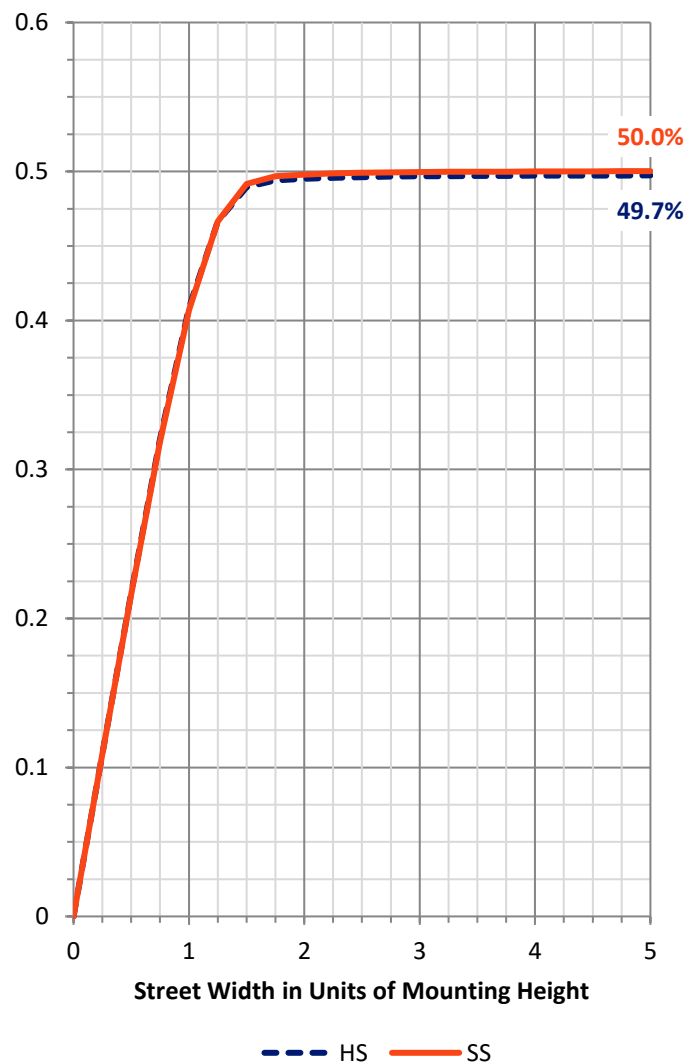
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2010.0	0.0	2010.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2010.0	0.0	2010.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4020.0	0.0	4020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	1.4
10°-20°	191.1	4.8
20°-30°	390.3	9.7
30°-40°	744.3	18.5
40°-50°	1254.2	31.2
50°-60°	1196.1	29.8
60°-70°	167.0	4.2
70°-80°	16.0	0.4
80°-90°	5.5	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°	4020.0	100.0
0°-180°	4020.0	100.0

Coefficient of Utilization



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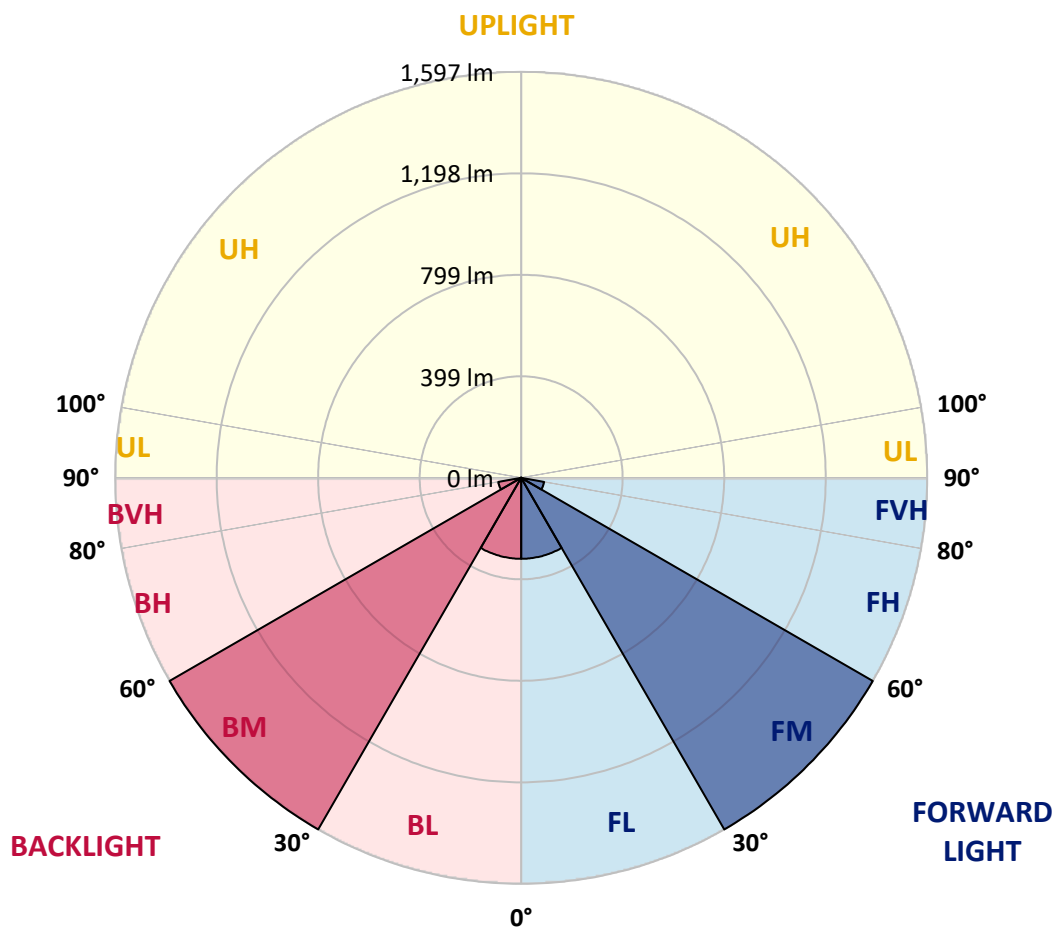
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.4	7.9			
FM	(30°-60°)	1597.3	39.7			
FH	(60°-80°)	91.5	2.3			G0/660
FVH	(80°-90°)	2.8	0.1			G0/10
BL	(0°-30°)	318.4	7.9	B1/500		
BM	(30°-60°)	1597.3	39.7	B2/2500		
BH	(60°-80°)	91.5	2.3	B0/110		G0/660
BVH	(80°-90°)	2.8	0.1			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°	557.3	557.3	557.3	557.3	557.3	557.3	557.3	557.3	557.3	557.3	557.3
2.5°	555.3	555.3	554.6	560.0	557.3	563.4	562.7	564.8	566.8	566.1	571.5
5°	550.6	549.9	549.9	556.0	562.1	568.8	574.9	579.0	585.7	585.7	592.5
7.5°	555.3	551.9	556.7	559.4	570.9	582.4	592.5	600.6	616.2	621.6	619.6
10°	556.7	560.7	564.1	572.2	586.4	604.0	612.8	633.1	650.7	662.8	665.5
12.5°	565.4	571.5	581.0	600.6	613.5	636.5	648.6	668.3	692.6	706.1	715.6
15°	582.4	584.4	596.6	621.6	649.3	670.3	689.2	703.4	727.1	742.7	743.3
17.5°	604.0	612.8	629.7	653.4	682.5	713.6	728.5	744.0	752.8	773.8	778.5
20°	647.3	648.6	664.9	696.0	732.5	760.9	771.7	779.9	776.5	798.1	802.2
22.5°	687.9	689.2	709.5	751.4	790.7	815.0	819.8	815.0	804.9	820.4	821.8
25°	729.1	741.3	756.2	798.1	846.8	879.3	880.0	867.1	846.1	848.8	855.6
27.5°	793.4	802.2	817.7	856.3	909.7	946.2	940.2	924.6	897.5	899.6	897.5
30°	868.5	876.6	889.4	938.8	978.0	1017.9	1026.7	1011.8	971.3	962.5	972.6
32.5°	959.1	970.6	994.3	1039.6	1072.7	1097.1	1103.2	1097.7	1059.9	1056.5	1063.3
35°	1069.3	1084.9	1106.5	1146.4	1173.5	1217.5	1217.5	1199.2	1164.7	1168.8	1168.1
37.5°	1185.7	1208.7	1242.5	1283.1	1319.6	1343.3	1335.8	1320.3	1285.8	1277.0	1285.8
40°	1331.8	1343.3	1385.9	1438.6	1483.3	1510.3	1478.5	1444.7	1362.2	1375.1	1398.7
42.5°	1465.0	1483.3	1515.7	1573.9	1624.6	1647.0	1609.1	1542.1	1442.7	1432.6	1450.1
45°	1578.6	1598.3	1640.9	1724.1	1777.5	1797.1	1713.2	1605.0	1491.4	1465.7	1473.1
47.5°	1654.4	1664.5	1724.1	1803.2	1851.9	1896.5	1776.1	1648.3	1514.4	1465.7	1463.0
50°	1625.3	1642.9	1712.6	1802.5	1891.1	1922.9	1807.9	1681.5	1521.8	1459.6	1451.5
52.5°	1443.4	1473.8	1551.6	1672.7	1806.6	1920.2	1851.9	1670.6	1519.1	1465.7	1477.9
55°	1004.4	1005.1	1099.8	1278.3	1515.1	1782.9	1787.6	1682.8	1536.7	1503.6	1504.2
57.5°	403.8	424.1	496.5	675.7	894.2	1224.2	1455.5	1561.1	1538.7	1530.6	1551.6
60°	102.1	102.8	125.1	190.7	314.5	524.9	762.3	1031.5	1187.7	1241.1	1248.6
62.5°	52.1	52.8	58.2	67.6	85.9	140.7	250.3	397.0	564.8	650.0	672.3
65°	42.6	42.6	46.0	50.7	51.4	54.1	64.9	92.7	134.6	152.9	154.9
67.5°	32.5	32.5	35.2	37.9	39.2	38.6	37.2	38.6	46.7	44.6	43.3
70°	20.3	21.0	22.3	25.0	26.4	27.1	27.7	29.1	33.1	34.5	33.1
72.5°	12.2	12.2	12.9	14.9	16.9	18.3	20.3	21.6	23.7	27.1	26.4
75°	5.4	5.4	6.8	8.8	10.8	12.9	14.9	16.9	18.3	20.3	21.0
77.5°	1.4	2.0	3.4	6.1	8.1	10.8	13.5	15.6	16.9	16.9	16.2
80°	0.7	0.7	2.7	4.7	8.8	11.5	14.9	16.2	18.3	16.9	14.9
82.5°	0.7	0.7	2.7	4.7	8.1	11.5	15.6	17.6	18.9	16.9	14.2
85°	0.0	0.7	2.0	4.1	6.8	8.1	6.8	4.7	2.7	2.7	2.0
87.5°	0.0	0.0	0.7	0.7	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)