

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: P450482

Luminaire Tested: **GALN-SA1B-740-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6026 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

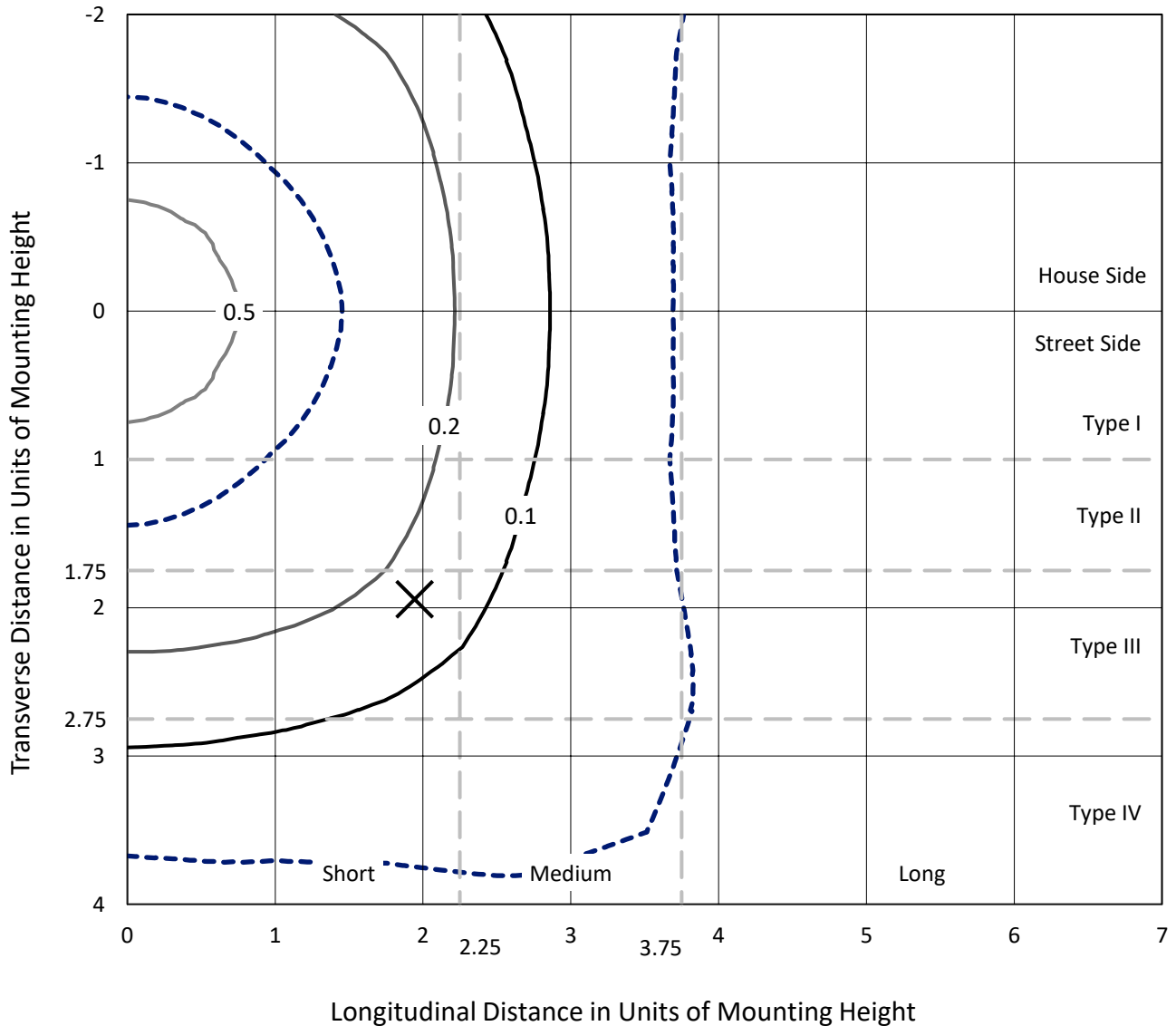
Input Watts (W): 44
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

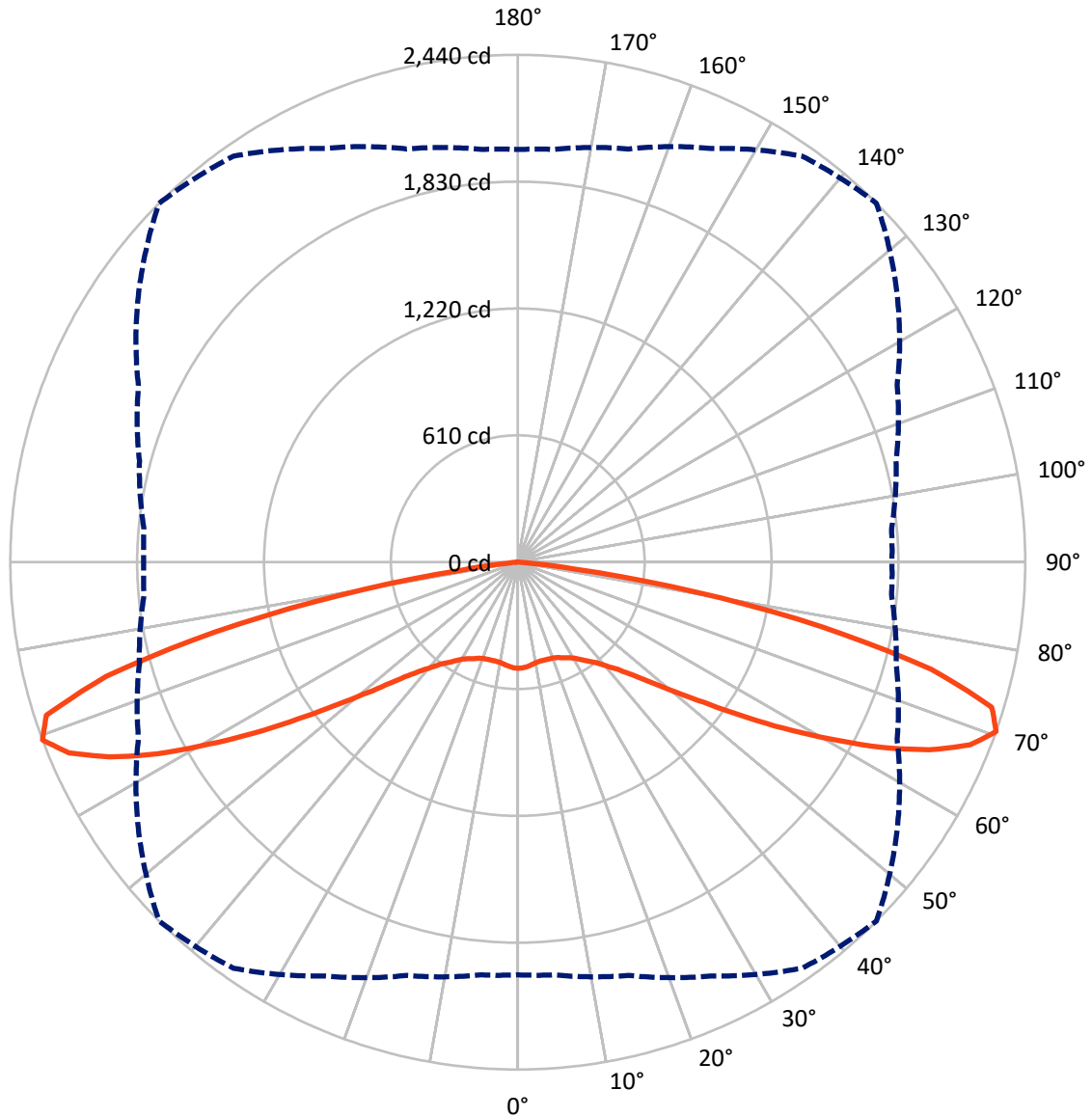
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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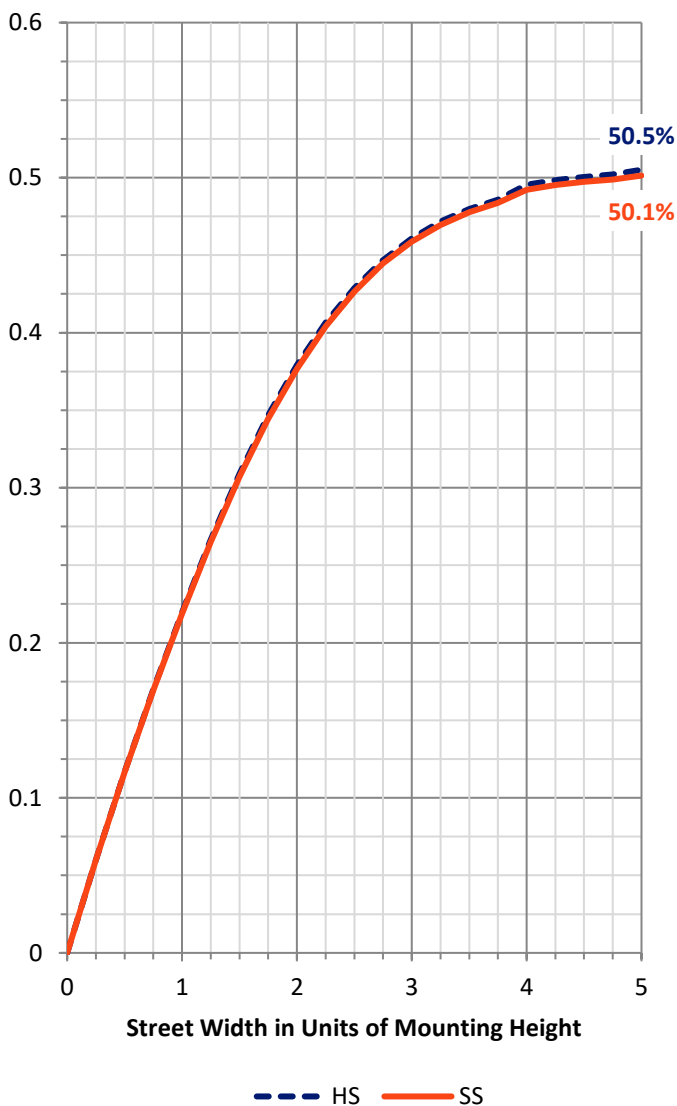
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3013.0	0.0	3013.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3013.0	0.0	3013.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6026.0	0.0	6026.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	0.8
10°-20°	139.7	2.3
20°-30°	238.0	3.9
30°-40°	368.9	6.1
40°-50°	620.8	10.3
50°-60°	1129.6	18.7
60°-70°	1912.4	31.7
70°-80°	1480.3	24.6
80°-90°	88.7	1.5
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°	6026.0	100.0
0°-180°	6026.0	100.0



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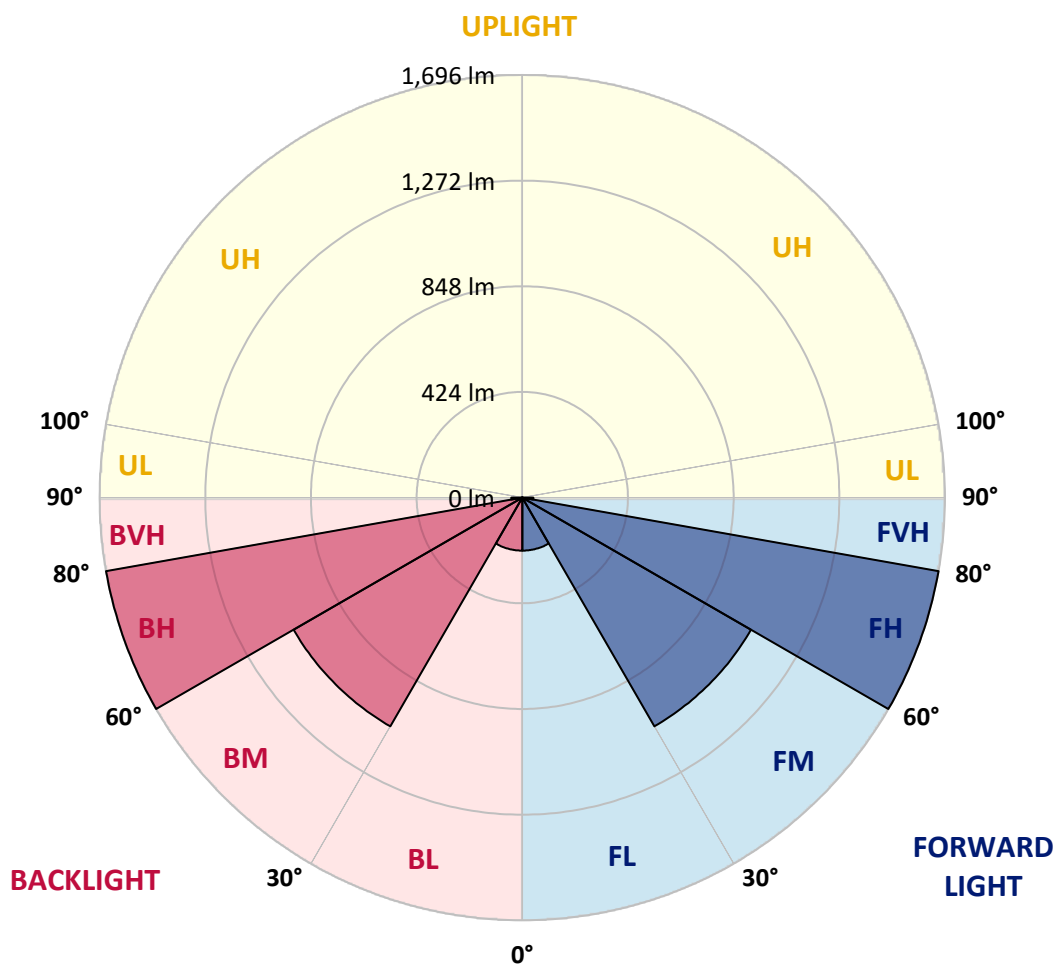
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.7	3.5			
FM (30°-60°)	1059.6	17.6			
FH (60°-80°)	1696.3	28.1			G1/1800
FVH (80°-90°)	44.4	0.7			G1/100
BL (0°-30°)	212.7	3.5	B1/500		
BM (30°-60°)	1059.6	17.6	B2/2500		
BH (60°-80°)	1696.3	28.1	B3/2500		G1/1800
BVH (80°-90°)	44.4	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	510.2	510.2	510.2	510.2	510.2	510.2	510.2	510.2	510.2	510.2	510.2
2.5°	508.9	509.2	509.2	508.6	508.3	508.3	507.9	507.9	508.9	509.2	509.5
5°	504.4	504.4	504.4	504.1	503.5	503.5	502.9	502.9	503.2	504.1	503.5
7.5°	498.4	499.0	499.0	497.8	496.8	496.8	496.5	496.8	497.1	498.1	497.8
10°	496.5	496.8	495.2	493.0	491.4	490.4	490.8	491.4	493.0	493.6	493.9
12.5°	497.8	497.8	494.9	491.7	488.9	487.6	487.3	489.5	492.4	494.3	494.9
15°	499.4	498.7	495.2	491.1	488.2	487.9	487.6	489.2	493.3	497.1	497.4
17.5°	500.3	500.0	495.5	490.4	488.9	488.9	488.5	489.8	494.3	499.0	499.4
20°	503.5	502.5	497.4	492.0	490.8	491.4	490.4	492.0	496.8	502.5	503.8
22.5°	509.9	508.9	503.8	498.4	497.8	497.8	497.4	499.0	504.1	510.2	511.1
25°	517.5	516.5	511.8	507.9	508.6	509.9	509.2	509.5	513.7	518.8	520.4
27.5°	527.7	526.1	522.0	518.8	520.7	520.7	520.7	520.4	522.9	527.7	529.3
30°	540.1	539.5	535.0	534.7	536.3	534.7	534.7	535.0	535.3	539.8	541.4
32.5°	556.3	555.0	552.8	552.2	556.6	557.9	553.5	549.3	551.5	556.0	557.0
35°	583.1	581.1	578.0	574.5	578.0	584.0	574.5	571.3	577.0	583.1	583.7
37.5°	619.3	618.4	613.3	606.9	606.6	613.0	603.1	602.8	613.6	620.9	621.9
40°	664.9	665.8	659.4	653.4	650.2	655.3	647.7	650.5	661.0	669.3	668.7
42.5°	728.8	725.3	715.5	709.7	706.2	704.3	702.4	706.9	718.6	727.5	734.5
45°	803.6	802.3	789.9	782.9	775.3	772.4	771.8	779.7	794.1	804.9	805.8
47.5°	888.3	885.4	877.4	870.1	867.3	863.8	860.6	866.6	881.0	888.6	890.8
50°	975.5	976.1	976.1	974.8	977.7	978.3	969.7	972.0	979.9	979.3	978.7
52.5°	1075.1	1078.6	1095.1	1096.7	1110.4	1119.6	1104.1	1094.8	1092.0	1074.8	1076.0
55°	1192.2	1195.4	1220.2	1245.0	1282.0	1297.6	1264.8	1236.1	1215.8	1189.7	1190.9
57.5°	1338.3	1339.9	1363.4	1411.2	1469.7	1506.3	1448.7	1392.1	1350.7	1325.9	1316.0
60°	1495.5	1497.1	1531.5	1589.7	1680.7	1725.3	1654.0	1561.4	1509.2	1471.3	1473.9
62.5°	1684.2	1690.6	1721.5	1801.7	1912.1	1962.1	1867.6	1743.8	1673.1	1626.0	1627.9
65°	1886.3	1897.2	1930.9	2019.1	2120.9	2174.7	2058.8	1915.9	1828.1	1770.5	1776.5
67.5°	2017.5	2027.0	2075.7	2173.1	2300.1	2344.6	2195.1	2028.6	1918.8	1850.1	1837.3
70°	1984.0	1992.0	2056.9	2195.1	2383.1	2439.5	2227.5	2012.1	1882.8	1803.6	1798.5
72.5°	1751.4	1734.8	1829.7	2028.0	2288.3	2382.8	2125.4	1837.6	1675.0	1593.5	1584.0
75°	1160.7	1196.7	1336.7	1570.3	1936.0	2053.1	1814.1	1475.5	1270.8	1203.0	1192.5
77.5°	388.0	415.7	540.1	890.2	1319.8	1495.8	1321.7	965.0	682.7	550.0	552.5
80°	102.8	101.5	131.4	244.7	570.3	866.3	663.9	326.9	178.9	129.5	122.8
82.5°	36.9	41.4	53.1	67.8	151.2	269.3	190.0	91.7	67.2	49.6	48.1
85°	16.2	15.9	22.9	27.1	37.9	50.3	44.6	38.8	34.1	22.6	21.0
87.5°	3.5	3.5	5.4	4.1	6.7	6.7	8.3	9.9	10.2	6.7	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)