

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: P450453

Luminaire Tested: **GALN-SA1B-730-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450453
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

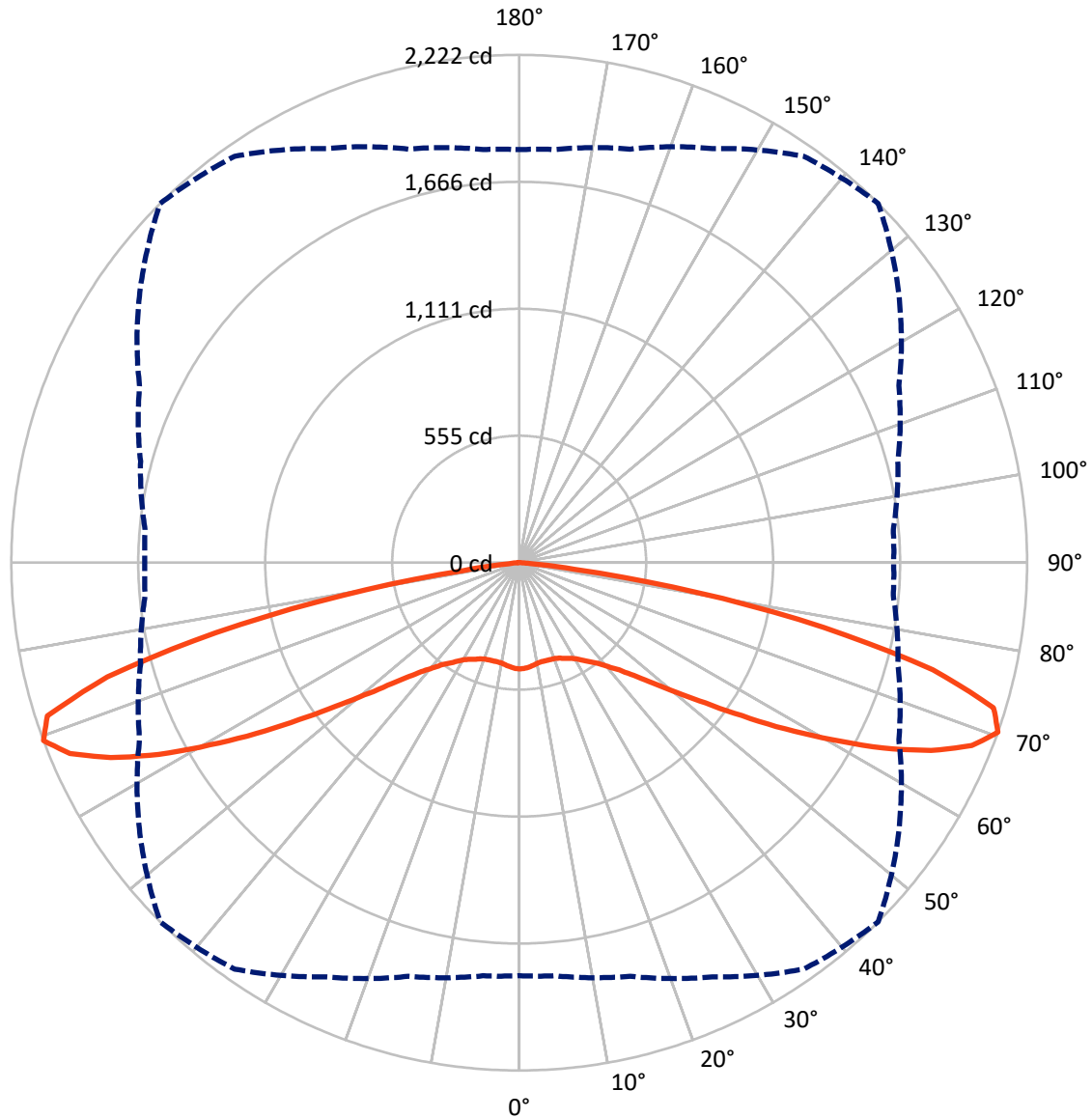
Lumens per Lamp: N/A
Luminaire Lumens: 5488 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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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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	2744.0	0.0	2744.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2744.0	0.0	2744.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5488.0	0.0	5488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	0.8
10°-20°	127.2	2.3
20°-30°	216.7	3.9
30°-40°	335.9	6.1
40°-50°	565.4	10.3
50°-60°	1028.8	18.7
60°-70°	1741.6	31.7
70°-80°	1348.1	24.6
80°-90°	80.8	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°	5488.0	100.0
0°-180°	5488.0	100.0

Coefficient of Utilization



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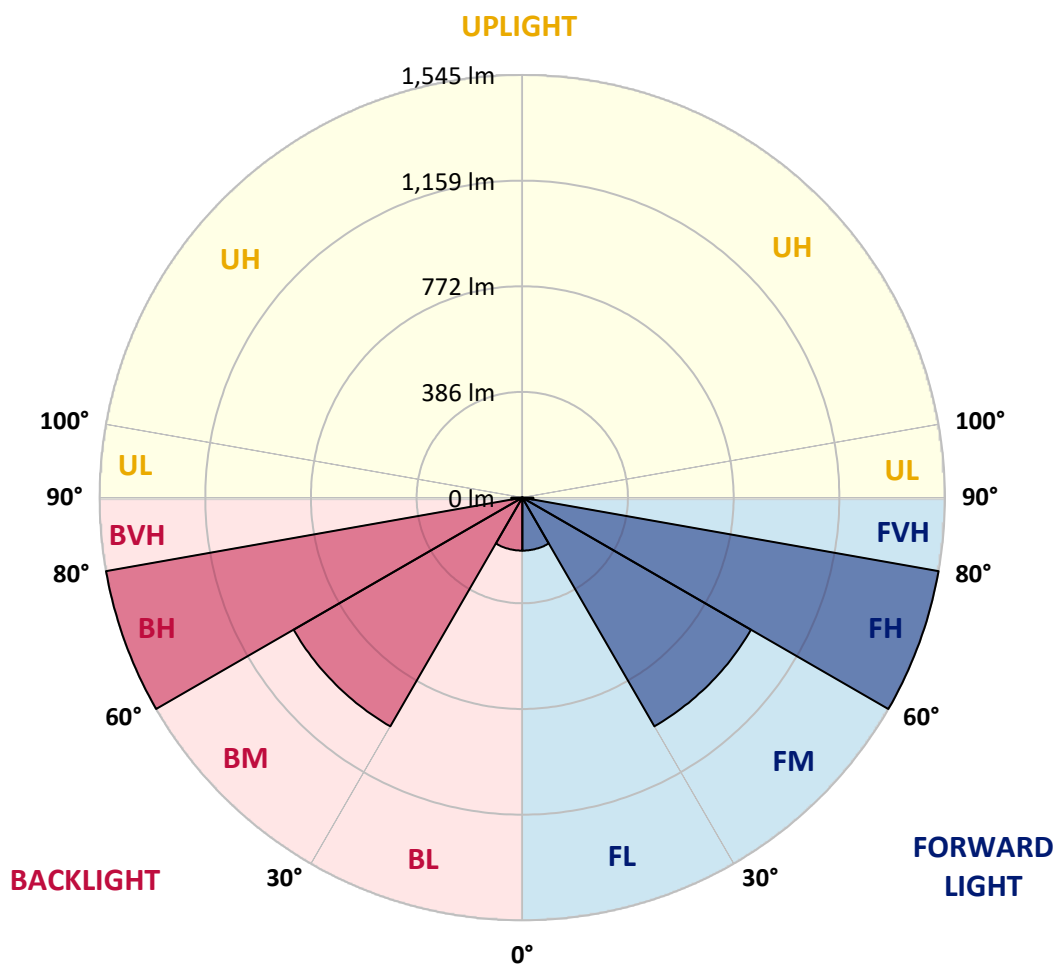
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.7	3.5			
FM (30°-60°)	965.1	17.6			
FH (60°-80°)	1544.9	28.1			G1/1800
FVH (80°-90°)	40.4	0.7			G1/100
BL (0°-30°)	193.7	3.5	B1/500		
BM (30°-60°)	965.1	17.6	B1/1000		
BH (60°-80°)	1544.9	28.1	B3/2500		G1/1800
BVH (80°-90°)	40.4	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°	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6
2.5°	463.5	463.8	463.8	463.2	462.9	462.9	462.6	462.6	463.5	463.8	464.0
5°	459.4	459.4	459.4	459.1	458.5	458.5	458.0	458.0	458.2	459.1	458.5
7.5°	453.9	454.5	454.5	453.3	452.5	452.5	452.2	452.5	452.7	453.6	453.3
10°	452.2	452.5	451.0	449.0	447.5	446.7	446.9	447.5	449.0	449.6	449.8
12.5°	453.3	453.3	450.7	447.8	445.2	444.0	443.8	445.8	448.4	450.1	450.7
15°	454.8	454.2	451.0	447.2	444.6	444.3	444.0	445.5	449.3	452.7	453.0
17.5°	455.6	455.4	451.3	446.7	445.2	445.2	444.9	446.1	450.1	454.5	454.8
20°	458.5	457.7	453.0	448.1	446.9	447.5	446.7	448.1	452.5	457.7	458.8
22.5°	464.3	463.5	458.8	453.9	453.3	453.3	453.0	454.5	459.1	464.6	465.5
25°	471.3	470.4	466.1	462.6	463.2	464.3	463.8	464.0	467.8	472.5	473.9
27.5°	480.6	479.1	475.4	472.5	474.2	474.2	474.2	473.9	476.2	480.6	482.0
30°	491.9	491.3	487.2	486.9	488.4	486.9	486.9	487.2	487.5	491.6	493.0
32.5°	506.7	505.5	503.5	502.9	506.9	508.1	504.0	500.3	502.3	506.4	507.2
35°	531.0	529.3	526.4	523.2	526.4	531.9	523.2	520.3	525.5	531.0	531.6
37.5°	564.0	563.2	558.5	552.7	552.5	558.2	549.3	549.0	558.8	565.5	566.4
40°	605.5	606.4	600.6	595.1	592.2	596.8	589.8	592.4	602.0	609.6	609.0
42.5°	663.8	660.6	651.6	646.4	643.2	641.4	639.7	643.8	654.5	662.6	669.0
45°	731.9	730.7	719.4	713.0	706.1	703.5	702.9	710.1	723.2	733.0	733.9
47.5°	809.0	806.4	799.1	792.4	789.8	786.6	783.7	789.3	802.3	809.3	811.3
50°	888.4	889.0	889.0	887.8	890.4	891.0	883.2	885.2	892.4	891.9	891.3
52.5°	979.1	982.3	997.4	998.8	1011.3	1019.7	1005.5	997.1	994.5	978.8	980.0
55°	1085.8	1088.7	1111.3	1133.9	1167.5	1181.7	1151.9	1125.8	1107.2	1083.5	1084.6
57.5°	1218.8	1220.3	1241.7	1285.2	1338.5	1371.9	1319.4	1267.8	1230.1	1207.5	1198.5
60°	1362.0	1363.4	1394.7	1447.8	1530.7	1571.3	1506.3	1422.0	1374.5	1340.0	1342.3
62.5°	1533.9	1539.7	1567.8	1640.8	1741.4	1786.9	1700.8	1588.1	1523.7	1480.8	1482.6
65°	1717.9	1727.8	1758.5	1838.8	1931.5	1980.5	1875.0	1744.9	1664.9	1612.4	1617.9
67.5°	1837.3	1846.0	1890.4	1979.1	2094.7	2135.3	1999.1	1847.5	1747.5	1684.9	1673.3
70°	1806.9	1814.2	1873.3	1999.1	2170.4	2221.7	2028.6	1832.4	1714.7	1642.6	1637.9
72.5°	1595.0	1580.0	1666.3	1846.9	2084.0	2170.1	1935.6	1673.6	1525.5	1451.3	1442.6
75°	1057.1	1089.8	1217.4	1430.1	1763.1	1869.8	1652.1	1343.7	1157.4	1095.6	1086.1
77.5°	353.3	378.5	491.9	810.7	1202.0	1362.3	1203.7	878.8	621.7	500.9	503.2
80°	93.6	92.5	119.7	222.9	519.4	789.0	604.6	297.7	162.9	118.0	111.9
82.5°	33.6	37.7	48.4	61.7	137.7	245.2	173.0	83.5	61.2	45.2	43.8
85°	14.8	14.5	20.9	24.6	34.5	45.8	40.6	35.4	31.0	20.6	19.1
87.5°	3.2	3.2	4.9	3.8	6.1	6.1	7.5	9.0	9.3	6.1	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)