

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: P526299

Luminaire Tested: **GALN-SA1B-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-730-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3602 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

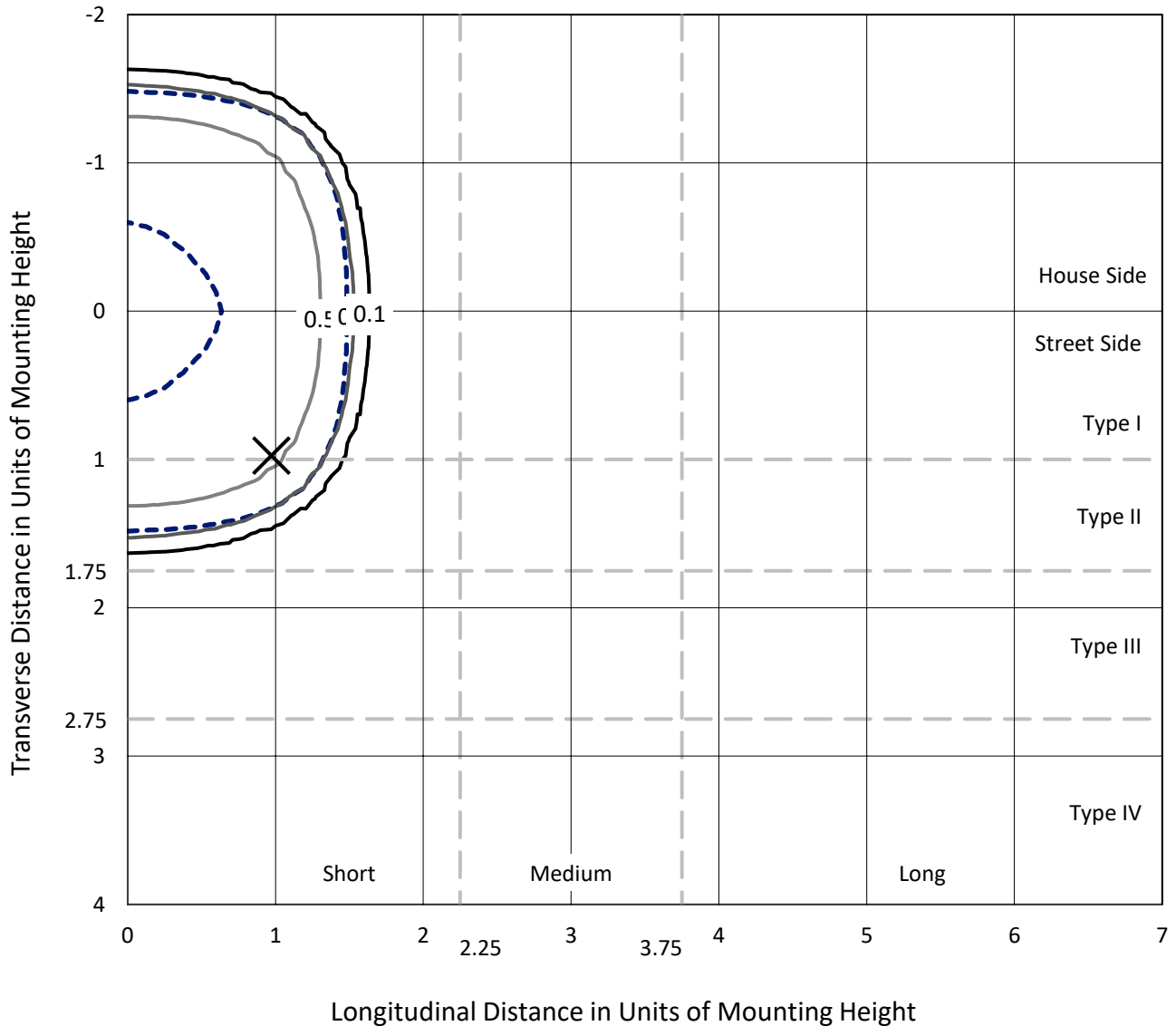
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

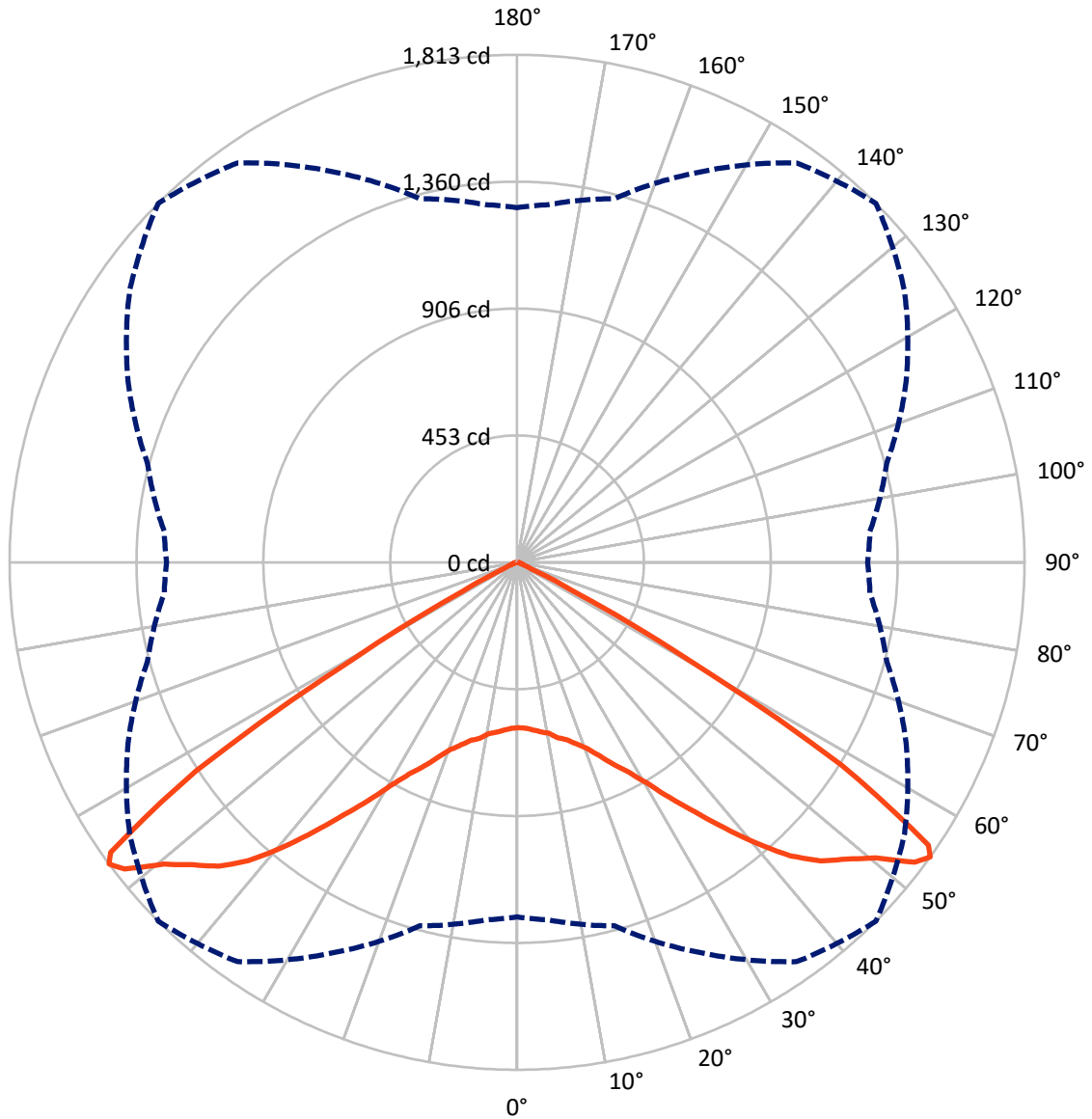
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1801.0	0.0	1801.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1801.0	0.0	1801.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3602.0	0.0	3602.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.8	1.6
10°-20°	187.2	5.2
20°-30°	366.9	10.2
30°-40°	659.8	18.3
40°-50°	1129.4	31.4
50°-60°	1092.8	30.3
60°-70°	93.6	2.6
70°-80°	11.1	0.3
80°-90°	3.5	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°	3602.0	100.0
0°-180°	3602.0	100.0

**Coefficient of Utilization**

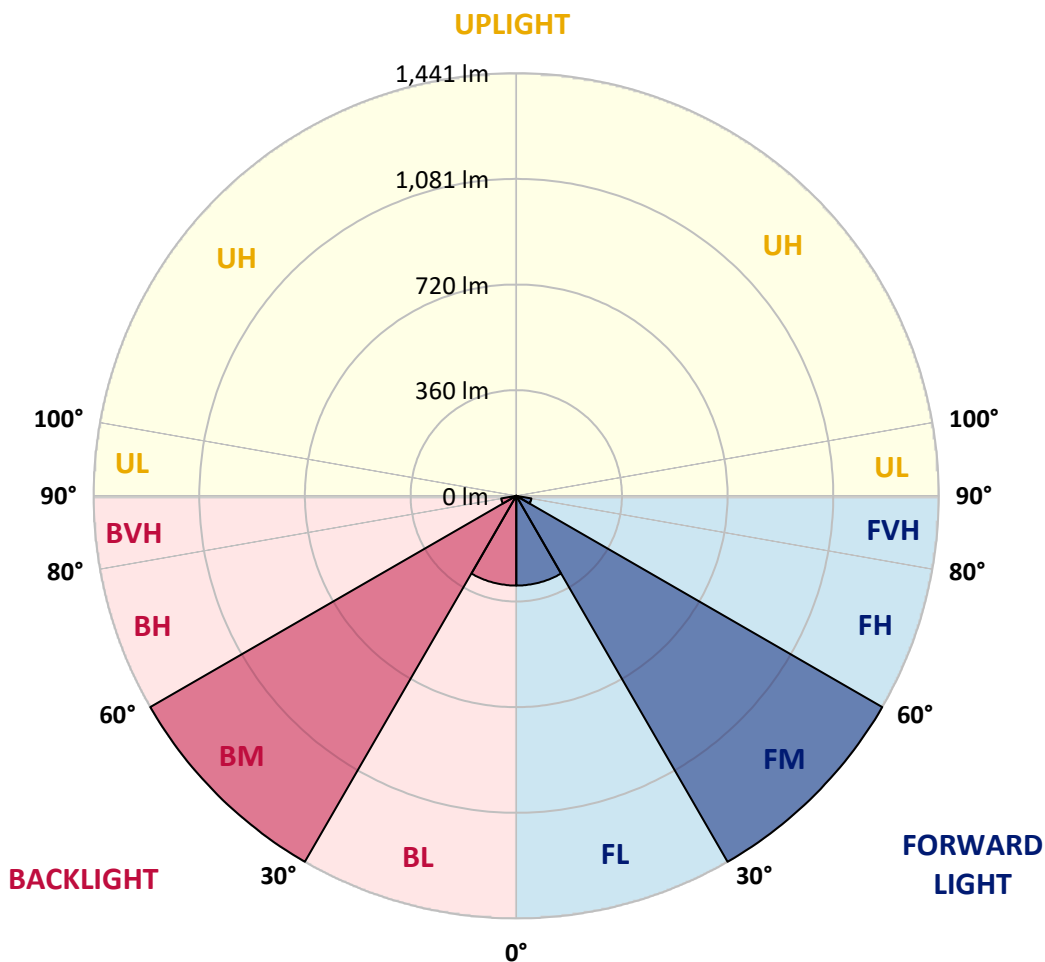


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.0	8.5			
FM (30°-60°)	1441.0	40.0			
FH (60°-80°)	52.3	1.5			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	306.0	8.5	B1/500		
BM (30°-60°)	1441.0	40.0	B2/2500		
BH (60°-80°)	52.3	1.5	B0/110		G0/660
BVH (80°-90°)	1.7	0.0			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°	590.6	590.6	590.6	590.6	590.6	590.6	590.6	590.6	590.6	590.6	590.6
2.5°	593.5	596.9	594.6	596.3	596.3	593.5	595.2	588.3	592.9	589.5	590.0
5°	602.6	602.0	602.0	602.6	600.3	601.5	599.2	596.9	595.2	592.9	599.7
7.5°	614.0	614.0	610.0	611.2	610.0	611.7	607.2	602.6	600.9	599.2	598.0
10°	624.9	623.7	622.0	627.1	623.1	620.9	618.6	615.7	609.4	607.2	604.9
12.5°	640.8	640.3	638.0	643.1	640.8	643.1	634.6	627.1	626.0	618.6	622.6
15°	659.7	664.8	660.8	660.8	659.7	656.8	653.4	650.0	639.7	636.8	637.4
17.5°	684.2	682.5	683.1	683.1	688.8	681.3	674.5	665.9	660.8	659.1	653.4
20°	707.6	709.9	709.3	713.3	716.7	708.7	701.3	700.2	685.9	688.2	680.2
22.5°	748.7	747.0	749.8	752.7	750.4	749.3	742.4	733.8	721.3	715.6	714.4
25°	792.1	789.2	784.1	790.9	794.3	799.5	786.3	781.8	762.4	753.8	754.4
27.5°	829.1	833.1	838.8	841.7	850.3	848.5	839.4	824.6	809.7	800.0	793.8
30°	879.9	882.2	891.9	895.9	910.7	914.7	900.5	883.4	857.1	844.6	837.1
32.5°	926.7	942.7	942.1	962.1	986.1	1002.6	976.9	950.7	924.4	909.6	896.5
35°	1002.6	999.8	1016.3	1037.4	1076.2	1095.1	1067.1	1036.9	996.9	972.9	962.7
37.5°	1073.4	1074.5	1096.8	1130.4	1175.0	1204.1	1179.5	1129.9	1088.8	1058.0	1043.7
40°	1176.1	1178.4	1201.2	1239.4	1289.7	1321.0	1292.5	1242.3	1187.5	1163.5	1163.5
42.5°	1296.5	1306.2	1321.0	1354.1	1399.2	1434.0	1408.3	1369.0	1313.6	1282.8	1287.4
45°	1420.3	1424.9	1434.6	1483.7	1504.8	1521.9	1497.9	1479.7	1442.6	1404.9	1398.6
47.5°	1536.2	1537.9	1566.4	1581.8	1598.4	1584.1	1599.5	1575.5	1533.9	1497.4	1489.9
50°	1587.5	1584.7	1625.2	1672.0	1684.5	1659.4	1646.3	1630.3	1567.0	1523.0	1503.6
52.5°	1438.0	1454.6	1529.9	1660.0	1758.2	1779.3	1702.8	1629.2	1511.1	1425.5	1412.3
54°	1266.8	1282.2	1344.4	1537.3	1741.6	1812.9	1689.7	1533.3	1366.7	1265.1	1252.0
55°	1097.3	1080.2	1193.2	1390.1	1664.0	1783.3	1637.7	1409.5	1218.9	1125.9	1107.6
57.5°	594.0	596.9	692.2	878.2	1169.2	1367.3	1207.5	953.5	720.2	615.7	606.6
60°	188.3	192.9	234.5	354.9	558.7	667.1	571.8	382.9	264.8	212.3	203.7
62.5°	58.8	61.1	66.8	99.3	152.9	218.6	171.2	102.7	76.5	70.2	71.3
65°	36.0	36.0	36.5	38.8	45.7	53.1	51.4	45.1	43.4	42.2	41.7
67.5°	23.4	22.8	24.0	25.7	26.8	27.4	29.1	30.8	30.2	29.1	29.1
70°	14.3	13.7	14.8	17.1	17.7	18.8	20.5	22.8	22.3	21.1	21.7
72.5°	8.0	8.0	8.6	10.3	12.0	13.1	14.8	16.5	17.1	16.5	16.5
75°	2.9	3.4	4.6	6.3	7.4	9.1	10.8	12.6	14.3	13.1	12.6
77.5°	1.1	1.1	2.3	4.0	5.7	7.4	10.3	12.0	13.1	12.0	10.8
80°	0.6	0.6	1.7	3.4	5.1	6.8	8.6	10.3	10.8	9.7	8.6
82.5°	0.6	0.6	1.7	3.4	5.1	6.3	9.1	10.3	11.4	10.3	8.6
85°	0.0	0.6	1.7	3.4	4.6	5.1	5.1	3.4	2.9	1.7	1.7
87.5°	0.0	0.0	0.6	0.0	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)