

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: P526297

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526297  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
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-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3147 lumens  
Efficiency: N/A  
Efficacy: 71.5 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

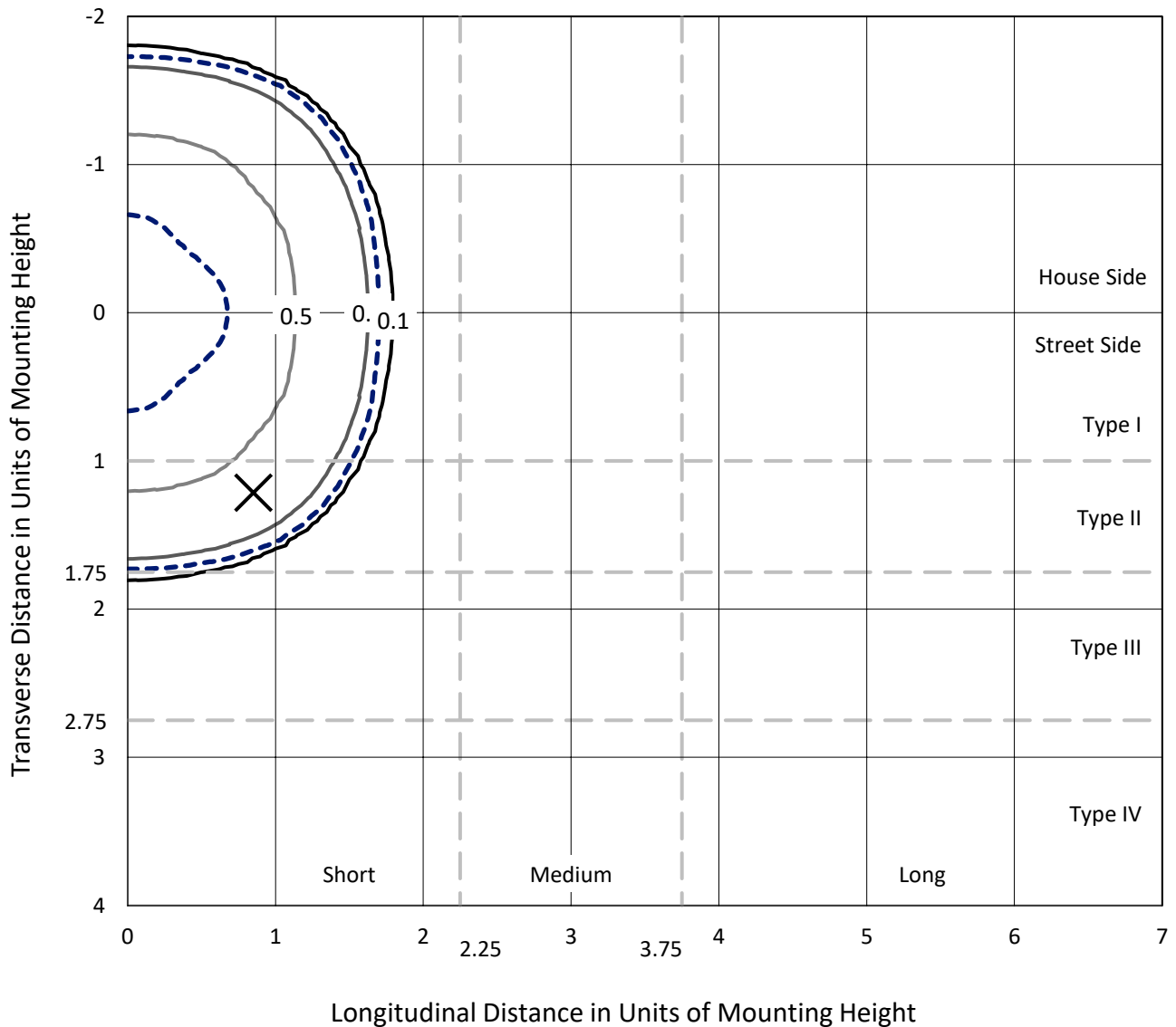
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

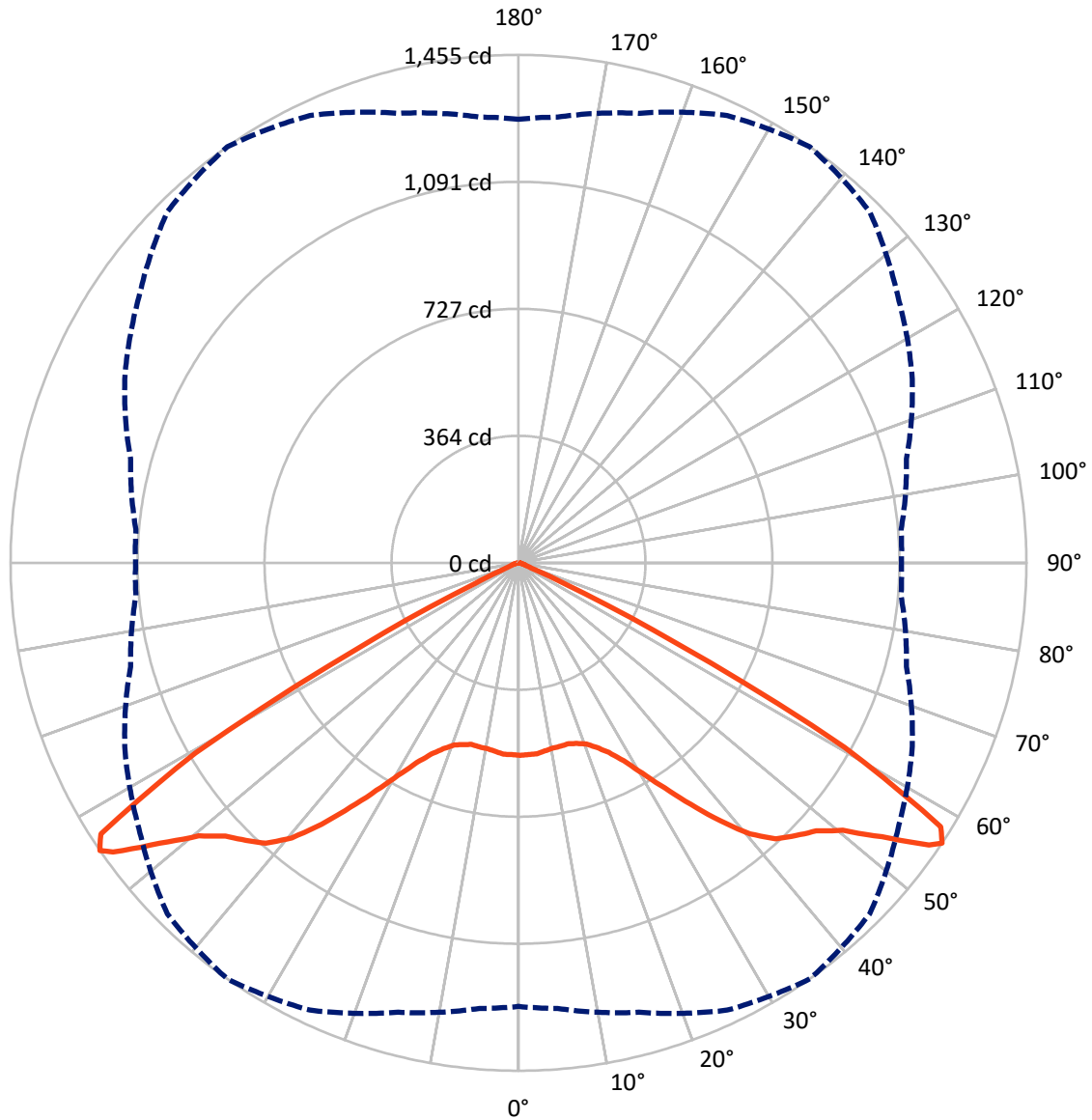
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical



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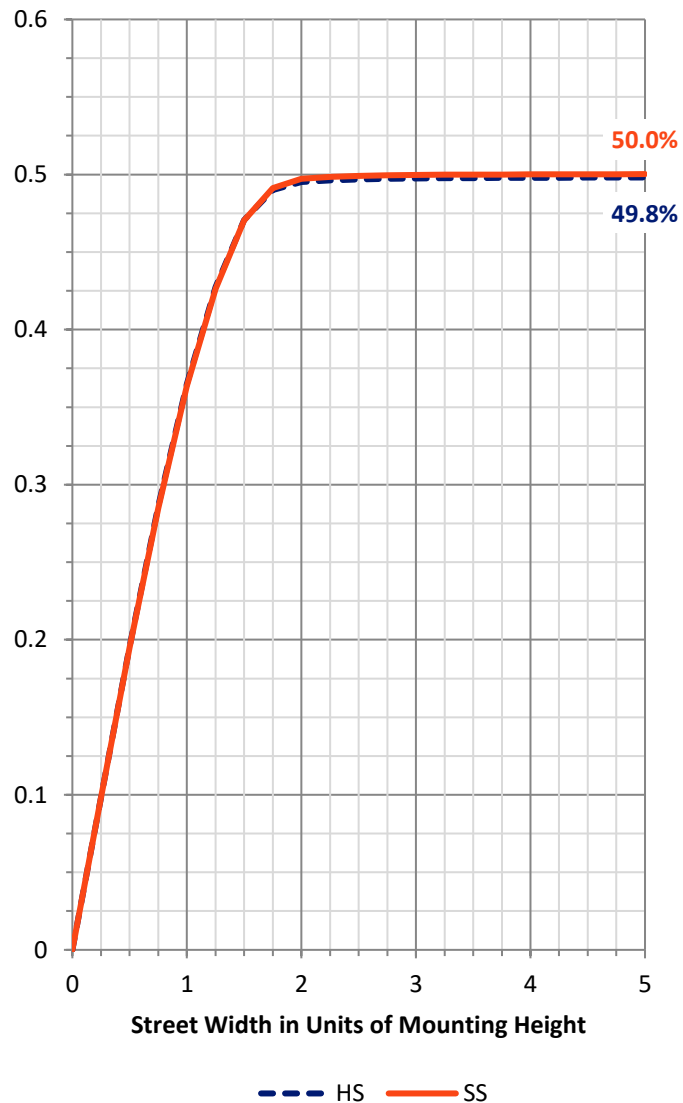
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1573.5	0.0	1573.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1573.5	0.0	1573.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3147.0	0.0	3147.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.8	1.6
10°-20°	151.3	4.8
20°-30°	274.0	8.7
30°-40°	508.1	16.1
40°-50°	834.0	26.5
50°-60°	1074.4	34.1
60°-70°	236.8	7.5
70°-80°	13.7	0.4
80°-90°	2.9	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°	3147.0	100.0
0°-180°	3147.0	100.0

**Coefficient of Utilization**



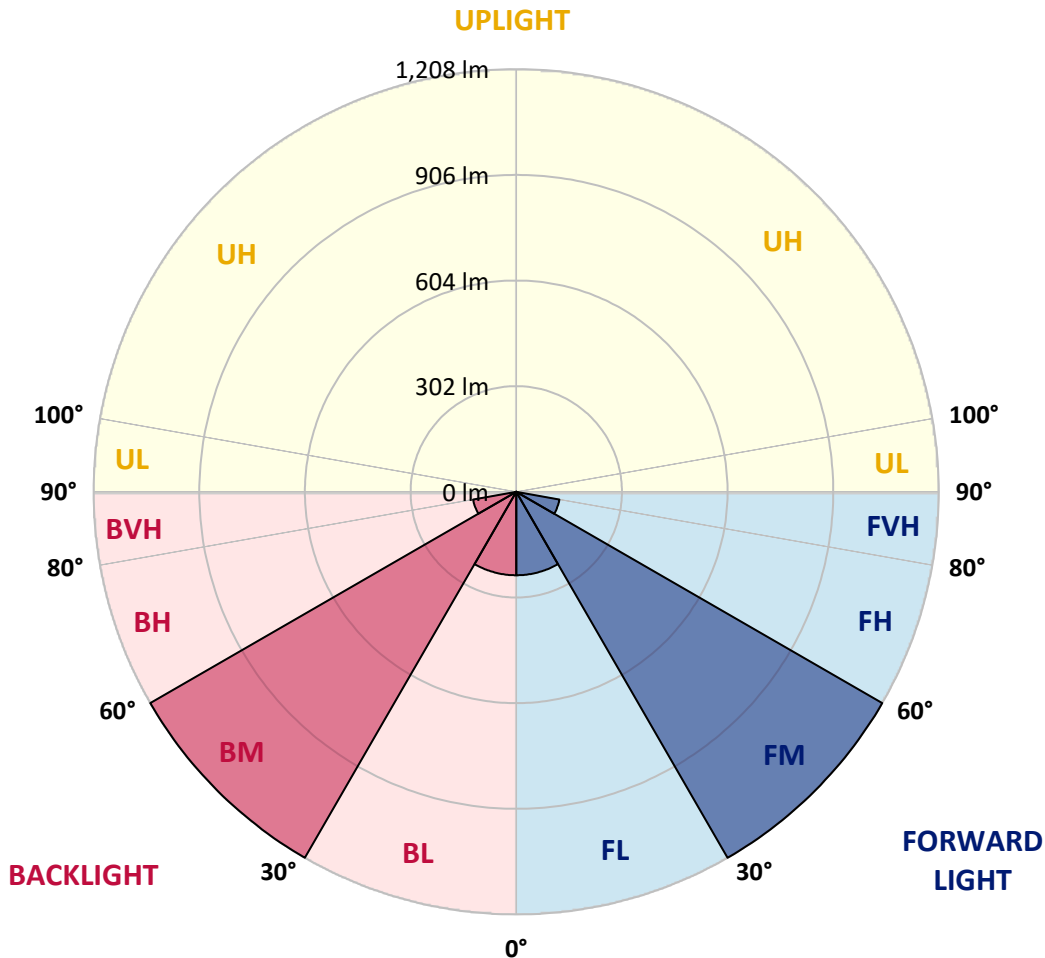
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.6	7.6			
FM (30°-60°)	1208.2	38.4			
FH (60°-80°)	125.3	4.0			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	238.6	7.6	B1/500		
BM (30°-60°)	1208.2	38.4	B2/2500		
BH (60°-80°)	125.3	4.0	B1/500		G0/660
BVH (80°-90°)	1.4	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°	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4
2.5°	552.6	552.6	553.1	553.7	549.7	548.0	548.6	547.4	546.9	548.6	548.6
5°	550.9	550.9	549.1	549.7	549.7	544.6	544.6	545.7	545.7	542.3	541.2
7.5°	546.3	545.1	542.9	545.7	544.0	544.0	540.0	537.2	536.0	538.3	536.0
10°	536.6	537.2	539.4	540.6	539.4	542.9	536.0	532.0	528.0	526.3	526.3
12.5°	532.0	535.5	532.0	534.9	538.9	536.0	532.0	529.2	523.5	521.2	521.2
15°	531.5	533.7	534.9	538.9	537.2	538.3	530.3	526.9	518.3	514.4	512.6
17.5°	530.9	533.7	535.5	542.9	544.0	544.6	538.3	528.0	520.6	516.6	512.6
20°	537.2	538.3	541.7	549.1	553.7	561.7	550.3	539.4	523.5	518.9	517.2
22.5°	545.1	550.9	554.3	562.3	574.2	581.1	566.2	552.6	536.0	530.3	523.5
25°	570.8	569.7	575.4	591.9	601.6	606.7	594.8	574.8	553.1	546.3	547.4
27.5°	602.7	603.9	609.0	627.3	641.5	649.5	635.2	609.0	587.9	576.5	575.4
30°	644.4	643.2	648.9	673.5	699.1	711.1	686.0	655.2	634.7	619.9	623.3
32.5°	688.3	688.8	704.8	727.1	768.7	792.1	751.6	713.9	683.1	672.9	667.8
35°	753.3	756.1	768.7	802.9	849.1	879.3	834.8	789.8	754.4	735.6	737.9
37.5°	833.7	830.8	851.9	889.0	937.5	959.7	922.1	870.8	834.8	822.3	830.3
40°	919.2	922.1	932.9	966.6	1020.7	1035.6	979.7	951.7	920.4	914.1	923.8
42.5°	1004.8	1003.1	1011.0	1041.3	1080.6	1070.3	1037.3	1020.7	998.5	985.9	999.1
45°	1067.5	1064.6	1079.5	1100.0	1114.2	1094.9	1080.0	1074.3	1062.9	1049.2	1061.2
47.5°	1128.5	1126.2	1140.5	1146.2	1147.3	1121.7	1124.5	1134.8	1106.3	1077.8	1091.4
50°	1180.4	1176.4	1194.1	1206.6	1203.8	1162.7	1173.0	1162.7	1118.2	1084.6	1079.5
52.5°	1267.1	1268.8	1287.6	1310.4	1303.6	1269.4	1254.5	1207.8	1150.7	1120.5	1102.8
55°	1321.8	1313.3	1345.8	1418.2	1426.2	1390.8	1325.2	1256.2	1170.7	1133.6	1129.1
56°	1270.5	1281.3	1332.7	1413.6	1454.7	1422.2	1326.9	1244.3	1150.2	1100.0	1096.6
57.5°	1139.9	1134.2	1203.8	1314.4	1426.2	1412.5	1280.2	1158.7	1049.2	992.8	985.9
60°	709.4	725.9	786.9	923.8	1073.2	1080.0	948.9	844.5	716.8	666.6	678.6
62.5°	277.7	263.5	301.7	403.7	506.4	529.2	479.6	398.6	327.3	277.7	274.3
65°	64.4	62.7	70.7	97.5	136.3	158.0	150.0	107.8	79.3	75.3	69.6
67.5°	36.5	36.5	34.8	34.8	38.2	40.5	38.8	38.2	39.9	41.6	41.1
70°	25.7	25.1	24.0	24.5	23.4	23.4	25.1	27.9	30.2	30.2	30.8
72.5°	15.4	15.4	15.4	17.1	17.1	17.1	18.8	21.1	21.7	21.1	20.5
75°	6.8	6.8	8.0	9.7	10.8	11.4	13.1	14.3	15.4	14.3	13.1
77.5°	1.7	1.7	2.9	4.0	5.1	6.3	8.6	10.3	10.8	10.3	8.6
80°	0.6	0.6	1.1	2.9	5.1	6.3	8.6	9.1	9.7	8.6	6.8
82.5°	0.6	0.6	1.1	2.9	4.0	5.1	6.8	8.0	8.6	7.4	6.8
85°	0.0	0.6	1.1	2.3	3.4	4.6	4.6	3.4	2.9	1.7	2.3
87.5°	0.0	0.0	0.6	0.6	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)