

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: P526066

Luminaire Tested: **GALN-SA1A-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526066  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-730-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3796 lumens  
Efficiency: N/A  
Efficacy: 115.0 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

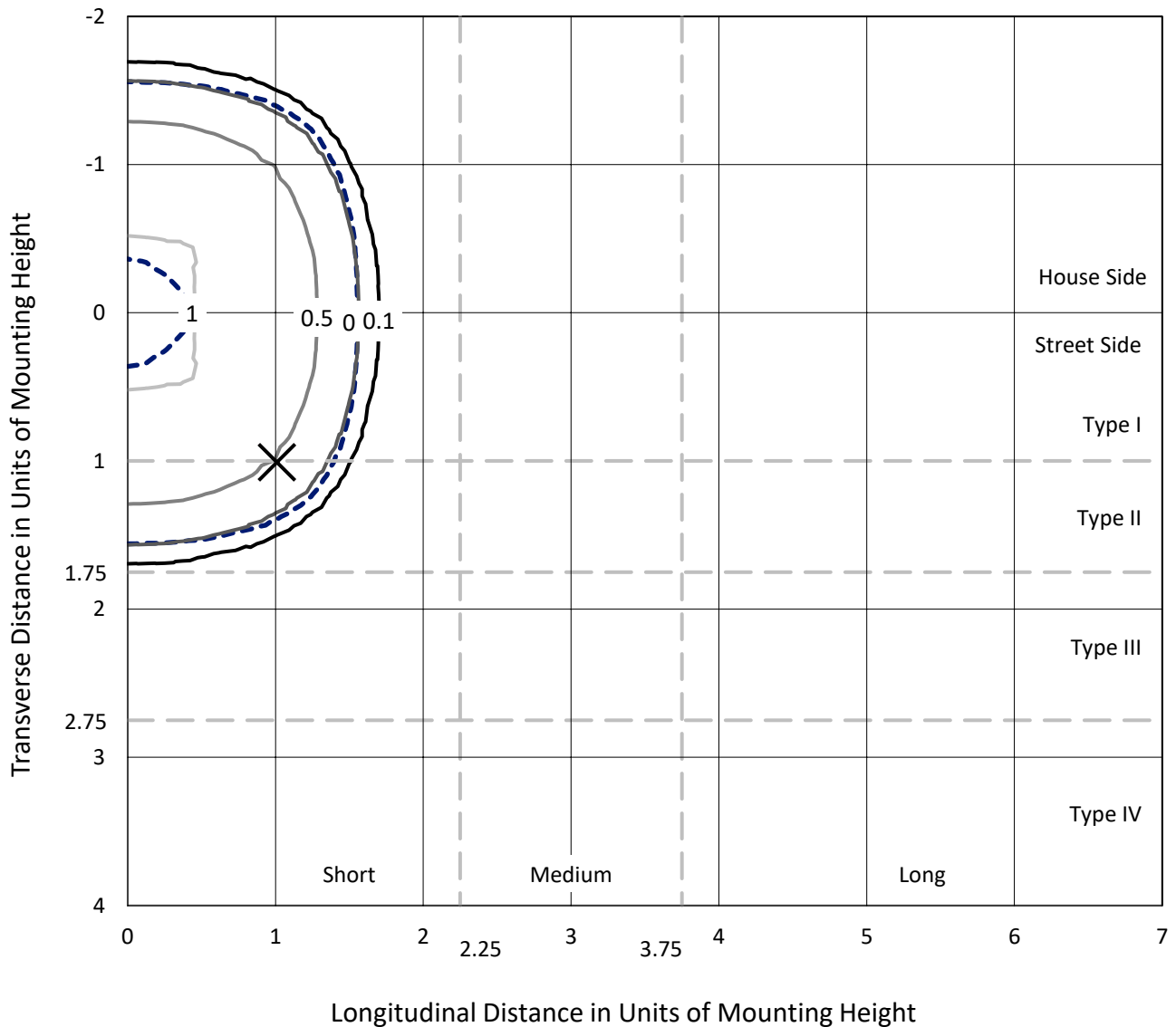
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

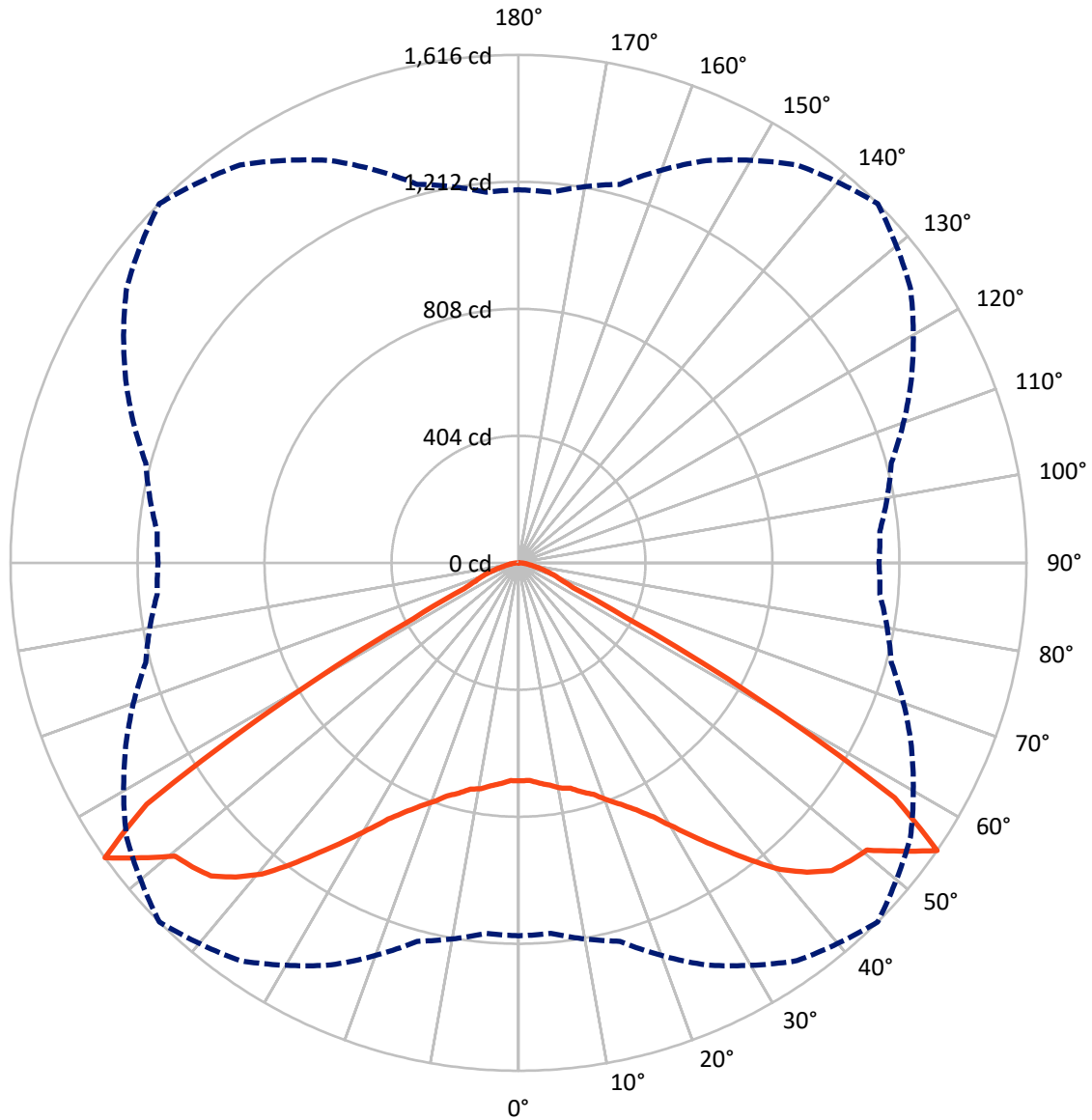
✕ Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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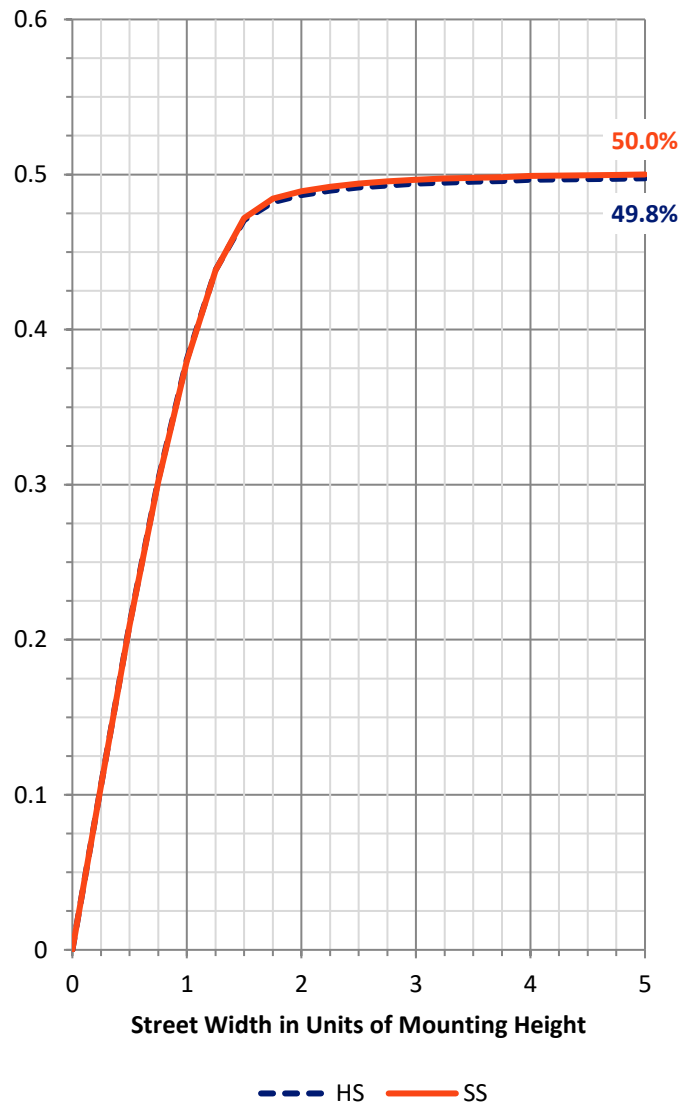
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1898.0	0.0	1898.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1898.0	0.0	1898.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3796.0	0.0	3796.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.7	1.8
10°-20°	214.5	5.7
20°-30°	400.0	10.5
30°-40°	669.8	17.6
40°-50°	1042.3	27.5
50°-60°	1082.2	28.5
60°-70°	229.5	6.0
70°-80°	75.6	2.0
80°-90°	14.4	0.4
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°	3796.0	100.0
0°-180°	3796.0	100.0

**Coefficient of Utilization**

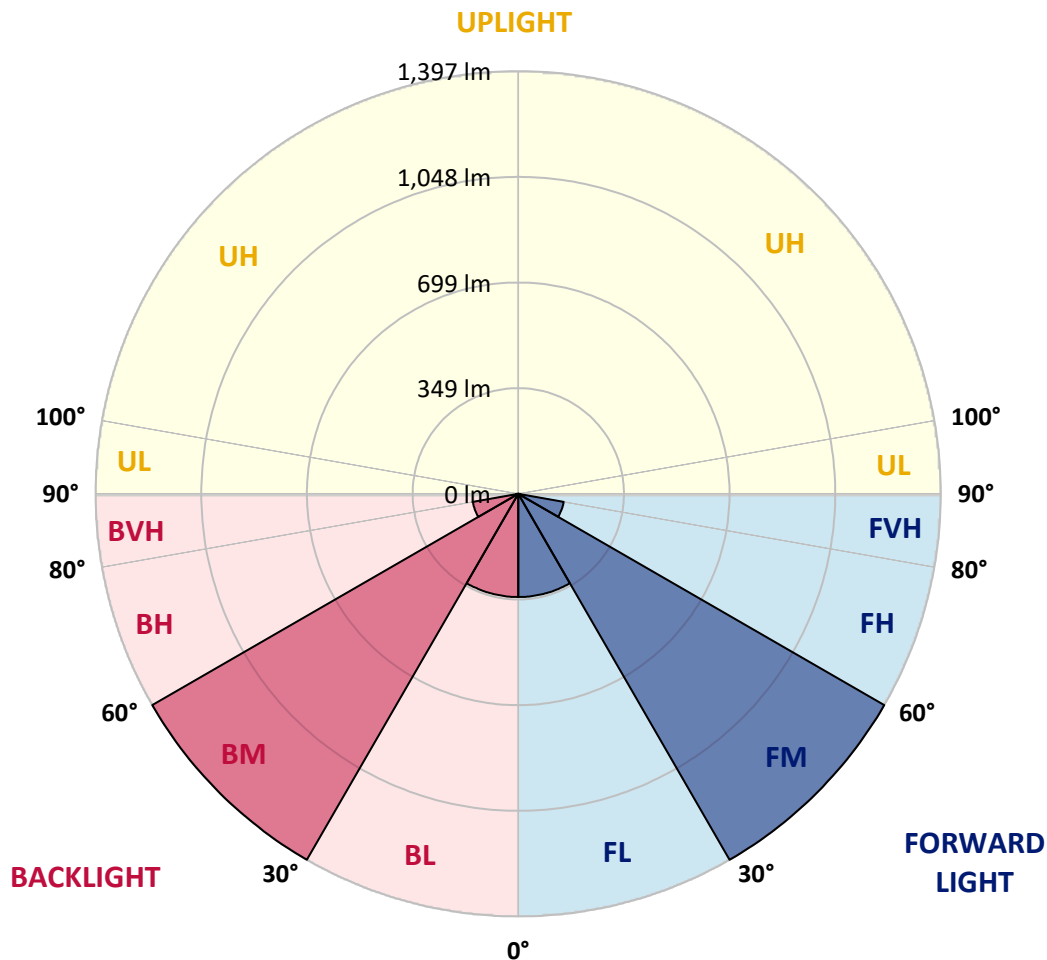


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.1	9.0			
FM (30°-60°)	1397.1	36.8			
FH (60°-80°)	152.5	4.0			G0/660
FVH (80°-90°)	7.2	0.2			G0/10
BL (0°-30°)	341.1	9.0	B1/500		
BM (30°-60°)	1397.1	36.8	B2/2500		
BH (60°-80°)	152.5	4.0	B1/500		G0/660
BVH (80°-90°)	7.2	0.2			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°	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1
2.5°	701.3	698.1	692.6	696.8	700.0	693.1	695.8	697.2	696.3	692.6	694.0
5°	711.4	709.6	705.0	708.2	704.1	704.1	701.3	697.7	703.2	702.3	704.6
7.5°	711.4	709.1	718.3	712.4	714.2	714.2	709.6	705.9	708.7	704.6	702.3
10°	725.7	728.9	724.7	726.1	725.2	728.4	721.5	719.2	716.9	715.6	712.8
12.5°	742.6	740.3	741.7	740.8	744.0	735.8	731.6	726.6	730.7	724.7	728.9
15°	756.4	755.0	756.4	760.1	756.9	756.4	749.1	744.0	737.6	739.0	732.5
17.5°	775.2	773.8	774.3	777.5	777.0	774.7	769.2	759.6	757.3	753.6	749.5
20°	803.2	800.9	800.0	801.3	803.6	805.5	794.5	790.8	783.0	777.0	770.2
22.5°	827.0	826.1	829.8	823.8	828.9	834.4	823.8	822.0	802.7	799.5	792.2
25°	860.1	858.7	856.4	865.1	871.1	870.6	860.5	850.4	835.7	832.1	832.1
27.5°	894.9	887.1	899.0	901.3	911.9	915.1	906.4	891.7	877.9	870.2	872.0
30°	938.5	931.2	933.9	950.4	964.2	976.1	954.1	932.5	913.3	899.5	897.2
32.5°	982.1	974.7	983.0	999.0	1026.6	1044.5	1022.9	985.3	962.8	942.6	946.8
35°	1017.4	1022.9	1036.2	1060.5	1088.9	1117.8	1083.4	1054.5	1022.4	1000.0	1003.2
37.5°	1074.3	1091.2	1101.8	1129.8	1170.1	1200.0	1164.2	1126.6	1092.2	1062.8	1052.7
40°	1148.6	1160.0	1172.0	1205.0	1252.7	1282.5	1248.6	1199.5	1165.6	1135.3	1133.9
42.5°	1230.2	1241.2	1253.6	1294.0	1322.4	1344.9	1313.7	1287.6	1250.0	1226.1	1224.7
45°	1325.2	1317.4	1331.1	1357.7	1381.6	1396.3	1376.1	1363.3	1336.2	1314.2	1311.9
47.5°	1388.5	1381.6	1406.4	1430.2	1433.9	1417.8	1422.0	1433.9	1405.5	1369.2	1380.7
50°	1425.2	1425.2	1441.7	1463.7	1456.8	1436.2	1468.8	1469.7	1441.2	1409.1	1409.1
52.5°	1361.4	1375.6	1422.4	1494.4	1517.4	1523.3	1516.0	1484.8	1410.5	1344.9	1341.7
55°	1186.2	1183.0	1246.3	1411.4	1544.9	1615.5	1522.0	1378.4	1227.5	1153.6	1146.3
57.5°	771.5	775.2	869.7	1038.0	1278.9	1410.5	1252.7	1050.9	869.7	767.9	777.5
60°	347.2	359.6	417.0	542.6	749.5	856.8	751.3	570.2	437.6	379.8	384.8
62.5°	199.5	201.8	204.1	242.2	319.3	377.5	331.6	256.0	225.7	215.6	215.6
65°	168.3	167.0	167.4	170.6	178.9	190.8	185.8	178.9	179.8	178.9	177.5
67.5°	143.1	144.9	143.6	145.9	146.3	148.2	151.4	154.1	154.6	155.5	154.6
70°	117.4	117.9	118.8	120.6	121.1	122.5	127.1	129.4	130.7	130.7	132.6
72.5°	89.9	89.4	90.4	92.2	94.5	95.0	99.1	102.3	104.1	101.8	102.3
75°	59.2	59.6	61.0	62.4	65.6	68.8	70.2	73.4	73.9	74.8	72.5
77.5°	35.3	36.2	37.6	40.4	43.1	45.9	49.1	51.4	52.3	51.4	48.6
80°	22.9	22.9	24.8	27.1	30.3	32.6	34.4	36.2	37.6	36.2	35.3
82.5°	14.2	14.2	16.5	19.3	21.6	22.9	25.7	28.0	29.4	28.4	27.1
85°	7.3	7.8	9.6	11.9	13.8	14.7	14.2	12.8	11.5	11.0	10.1
87.5°	2.3	2.3	2.8	2.8	2.3	2.3	2.8	2.3	2.8	2.8	2.8
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)