

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: P526721

Luminaire Tested: **GALN-SA1D-722-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-722-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2200K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3719 lumens
Efficiency: N/A
Efficacy: 57.2 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

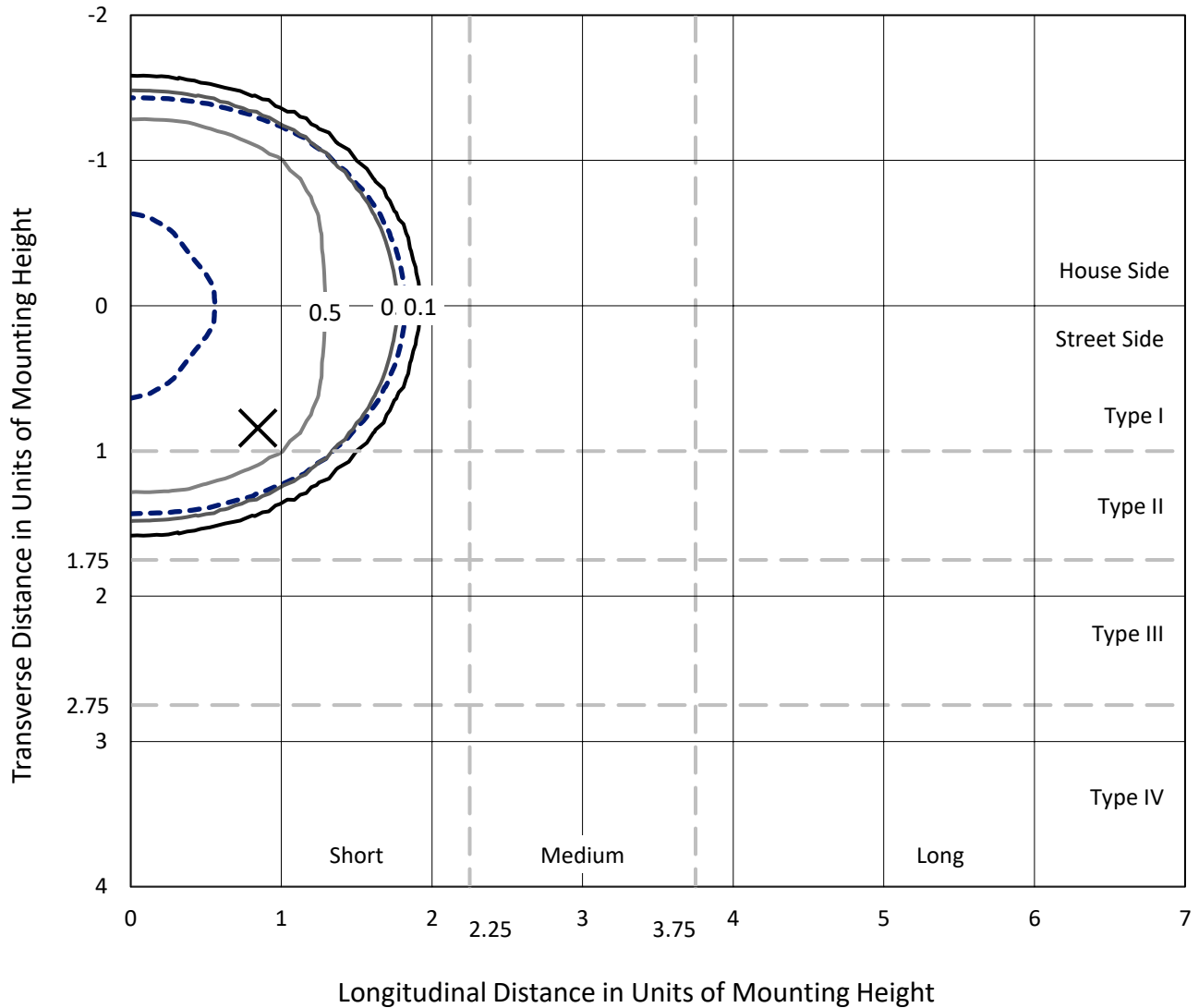
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

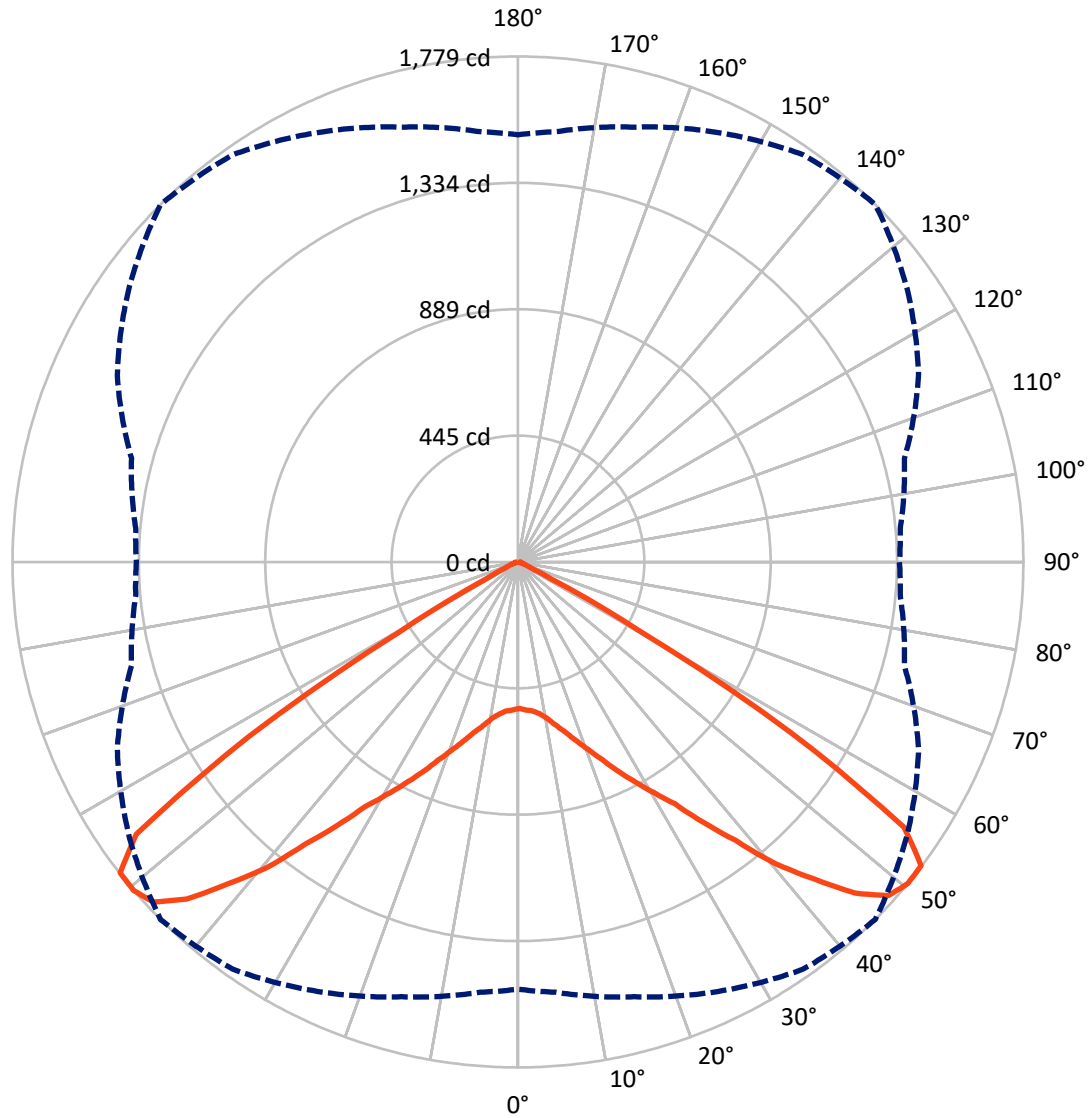
✕ Max cd
 - - - 1/2 Max cd



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 50-Deg Vertical

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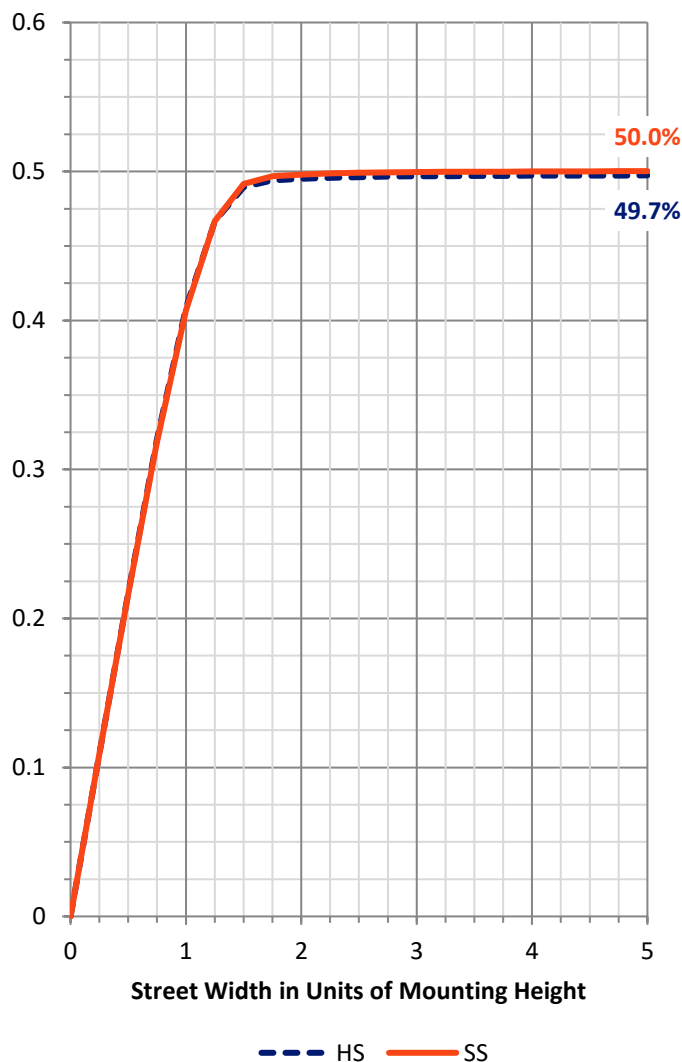
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1859.5	0.0	1859.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1859.5	0.0	1859.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3719.0	0.0	3719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.4
10°-20°	176.8	4.8
20°-30°	361.1	9.7
30°-40°	688.6	18.5
40°-50°	1160.3	31.2
50°-60°	1106.6	29.8
60°-70°	154.5	4.2
70°-80°	14.8	0.4
80°-90°	5.1	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°	3719.0	100.0
0°-180°	3719.0	100.0

Coefficient of Utilization



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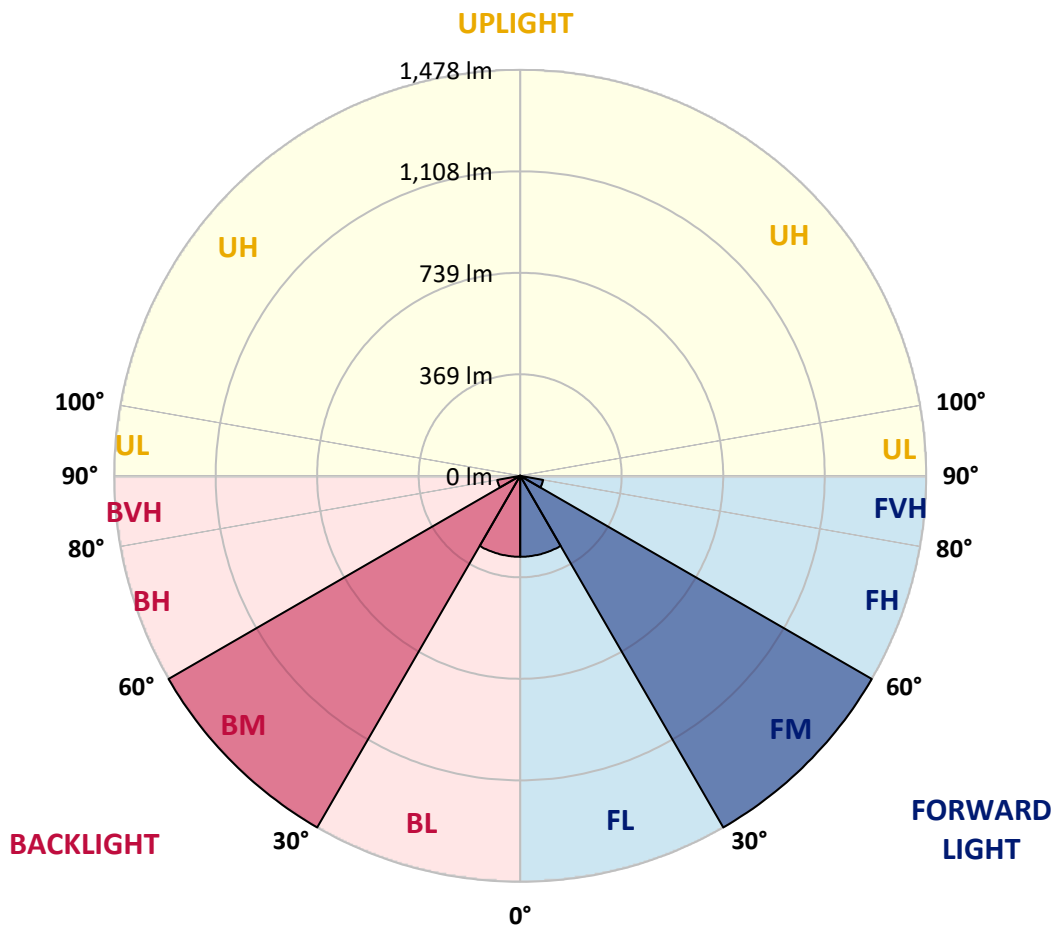
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.6	7.9			
FM (30°-60°)	1477.7	39.7			
FH (60°-80°)	84.6	2.3			G0/660
FVH (80°-90°)	2.6	0.1			G0/10
BL (0°-30°)	294.6	7.9	B1/500		
BM (30°-60°)	1477.7	39.7	B2/2500		
BH (60°-80°)	84.6	2.3	B0/110		G0/660
BVH (80°-90°)	2.6	0.1			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°	515.6	515.6	515.6	515.6	515.6	515.6	515.6	515.6	515.6	515.6	515.6
2.5°	513.7	513.7	513.1	518.1	515.6	521.2	520.6	522.5	524.4	523.7	528.7
5°	509.3	508.7	508.7	514.3	520.0	526.2	531.9	535.6	541.9	541.9	548.1
7.5°	513.7	510.6	515.0	517.5	528.1	538.8	548.1	555.6	570.0	575.0	573.2
10°	515.0	518.7	521.9	529.4	542.5	558.8	566.9	585.7	601.9	613.2	615.7
12.5°	523.1	528.7	537.5	555.6	567.5	588.8	600.1	618.2	640.7	653.3	662.0
15°	538.8	540.6	551.9	575.0	600.7	620.1	637.6	650.8	672.7	687.0	687.7
17.5°	558.8	566.9	582.6	604.5	631.4	660.1	673.9	688.3	696.4	715.8	720.2
20°	598.8	600.1	615.1	643.9	677.7	703.9	714.0	721.5	718.3	738.4	742.1
22.5°	636.4	637.6	656.4	695.2	731.5	754.0	758.4	754.0	744.6	759.0	760.3
25°	674.5	685.8	699.6	738.4	783.4	813.4	814.1	802.2	782.8	785.3	791.5
27.5°	734.0	742.1	756.5	792.2	841.6	875.4	869.8	855.4	830.3	832.2	830.3
30°	803.4	810.9	822.8	868.5	904.8	941.7	949.9	936.1	898.5	890.4	899.8
32.5°	887.3	897.9	919.8	961.7	992.4	1014.9	1020.6	1015.6	980.5	977.4	983.6
35°	989.3	1003.7	1023.7	1060.6	1085.6	1126.3	1126.3	1109.4	1077.5	1081.3	1080.6
37.5°	1096.9	1118.2	1149.5	1187.0	1220.8	1242.7	1235.8	1221.4	1189.5	1181.4	1189.5
40°	1232.1	1242.7	1282.1	1330.9	1372.2	1397.2	1367.8	1336.6	1260.2	1272.1	1294.0
42.5°	1355.3	1372.2	1402.3	1456.1	1503.0	1523.6	1488.6	1426.7	1334.7	1325.3	1341.6
45°	1460.4	1478.6	1518.0	1595.0	1644.4	1662.6	1585.0	1484.8	1379.7	1355.9	1362.8
47.5°	1530.5	1539.9	1595.0	1668.2	1713.2	1754.5	1643.2	1524.9	1401.0	1355.9	1353.4
50°	1503.6	1519.9	1584.3	1667.6	1749.5	1778.9	1672.6	1555.6	1407.9	1350.3	1342.8
52.5°	1335.3	1363.5	1435.4	1547.4	1671.3	1776.4	1713.2	1545.5	1405.4	1355.9	1367.2
55°	929.2	929.8	1017.4	1182.6	1401.6	1649.4	1653.8	1556.8	1421.7	1391.0	1391.6
57.5°	373.6	392.3	459.3	625.1	827.2	1132.6	1346.6	1444.2	1423.5	1416.0	1435.4
60°	94.5	95.1	115.8	176.5	291.0	485.6	705.2	954.2	1098.8	1148.2	1155.1
62.5°	48.2	48.8	53.8	62.6	79.5	130.2	231.5	367.3	522.5	601.3	622.0
65°	39.4	39.4	42.5	46.9	47.6	50.1	60.1	85.7	124.5	141.4	143.3
67.5°	30.0	30.0	32.5	35.0	36.3	35.7	34.4	35.7	43.2	41.3	40.0
70°	18.8	19.4	20.6	23.2	24.4	25.0	25.7	26.9	30.7	31.9	30.7
72.5°	11.3	11.3	11.9	13.8	15.6	16.9	18.8	20.0	21.9	25.0	24.4
75°	5.0	5.0	6.3	8.1	10.0	11.9	13.8	15.6	16.9	18.8	19.4
77.5°	1.3	1.9	3.1	5.6	7.5	10.0	12.5	14.4	15.6	15.6	15.0
80°	0.6	0.6	2.5	4.4	8.1	10.6	13.8	15.0	16.9	15.6	13.8
82.5°	0.6	0.6	2.5	4.4	7.5	10.6	14.4	16.3	17.5	15.6	13.1
85°	0.0	0.6	1.9	3.8	6.3	7.5	6.3	4.4	2.5	2.5	1.9
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)