

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: P458587

Luminaire Tested: **GALN-SA1C-735-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1C-735-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6615 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

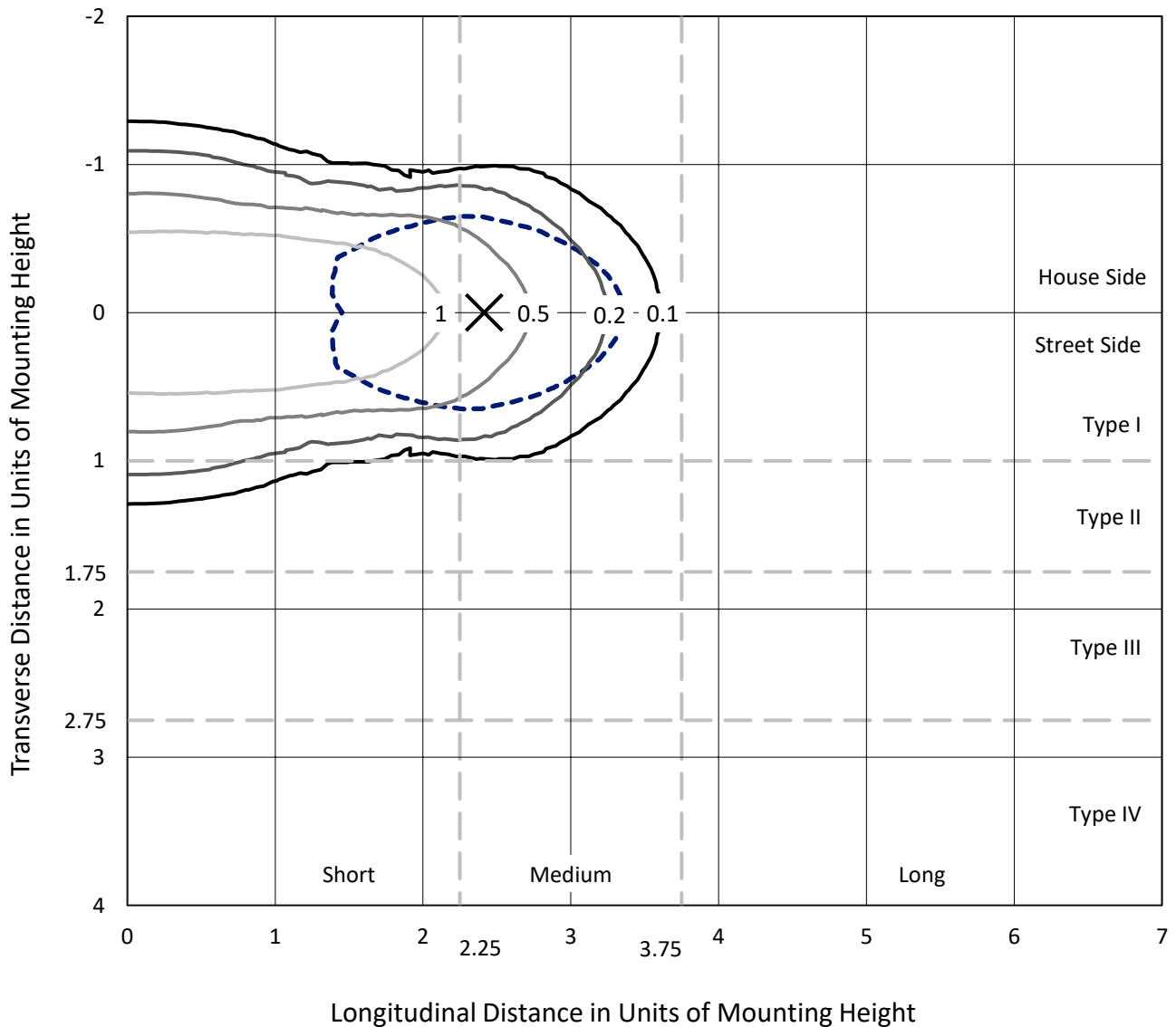
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

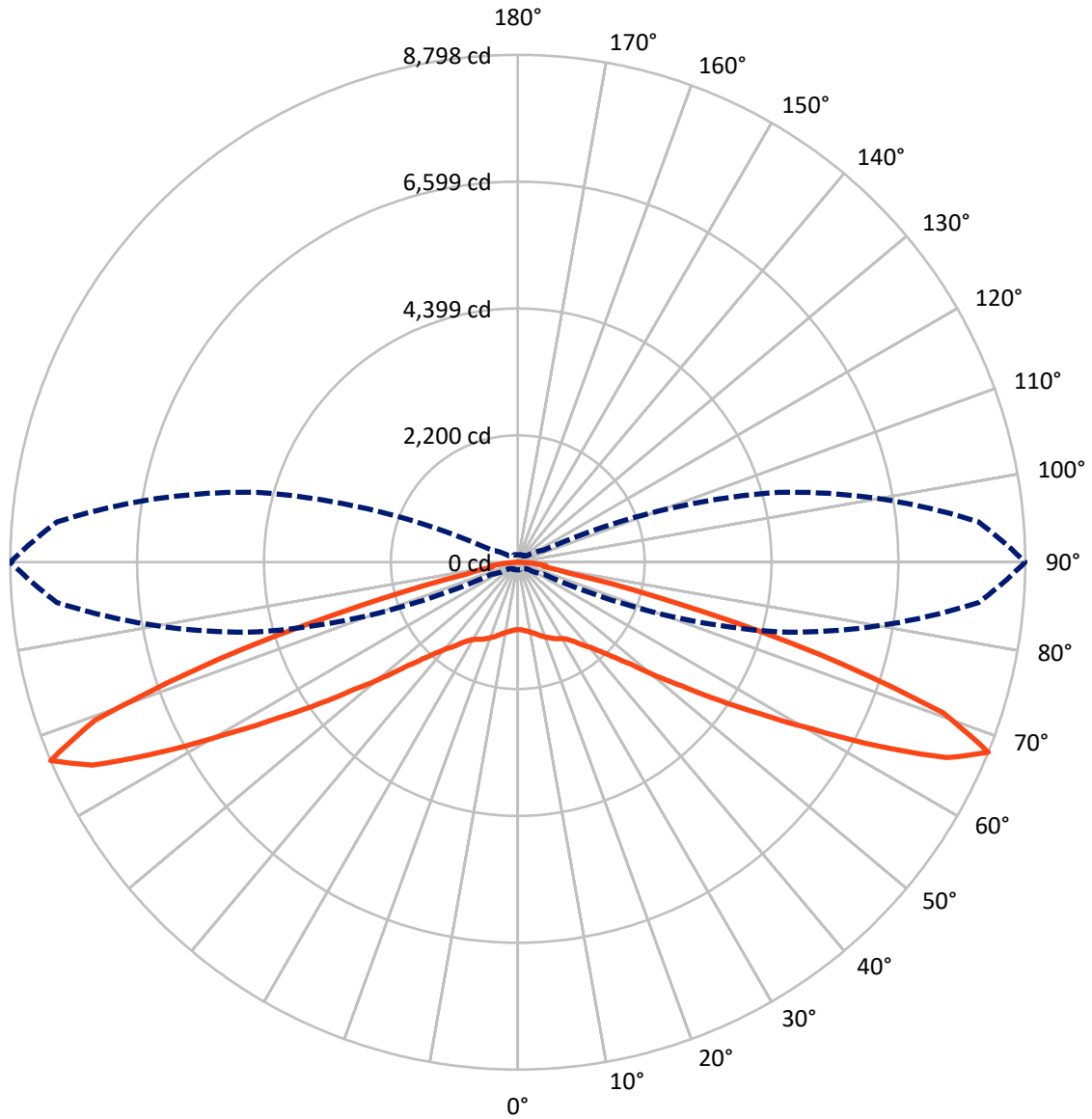
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3307.5	0.0	3307.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3307.5	0.0	3307.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6615.0	0.0	6615.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	1.8
10°-20°	373.6	5.6
20°-30°	625.2	9.5
30°-40°	847.0	12.8
40°-50°	1072.9	16.2
50°-60°	1340.3	20.3
60°-70°	1575.5	23.8
70°-80°	602.7	9.1
80°-90°	61.1	0.9
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°	6615.0	100.0
0°-180°	6615.0	100.0

Coefficient of Utilization



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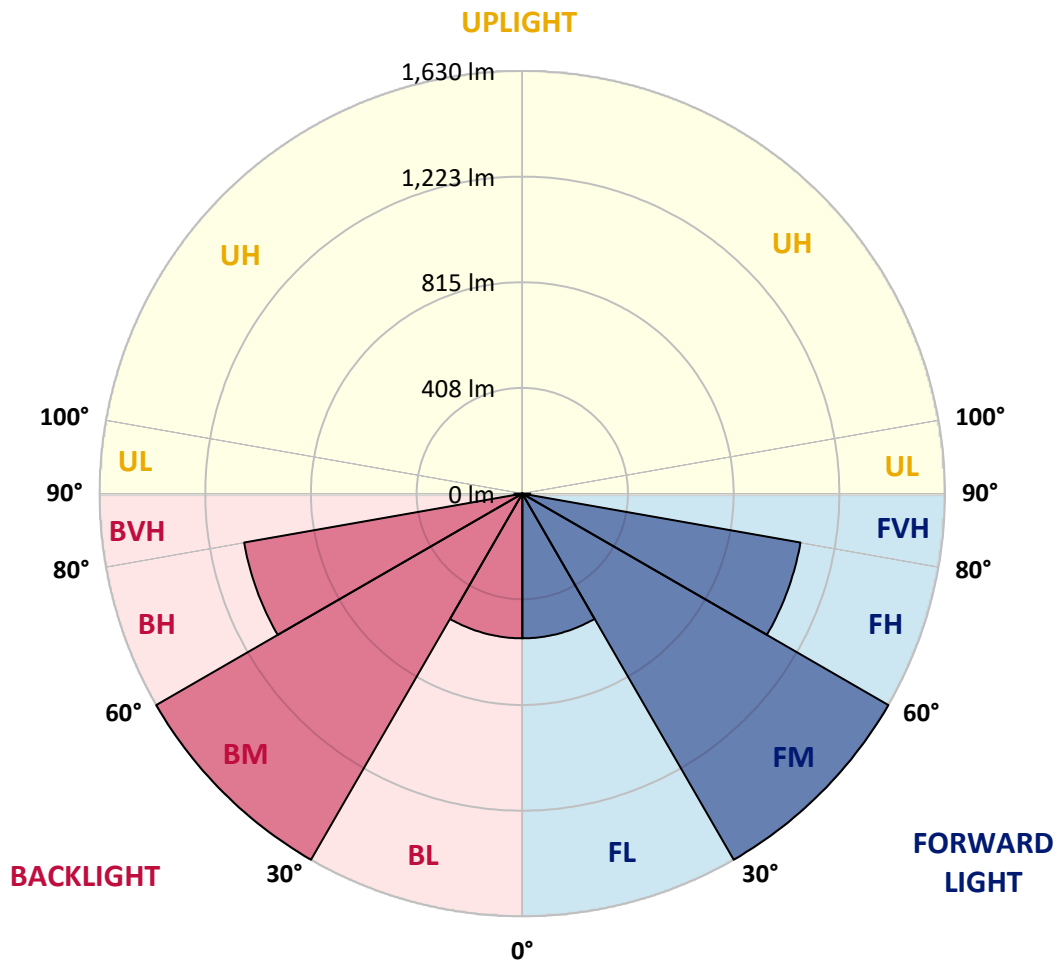
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	557.8	8.4			
FM	(30°-60°)	1630.1	24.6			
FH	(60°-80°)	1089.1	16.5			G1/1800
FVH	(80°-90°)	30.5	0.5			G1/100
BL	(0°-30°)	557.8	8.4	B2/1000		
BM	(30°-60°)	1630.1	24.6	B2/2500		
BH	(60°-80°)	1089.1	16.5	B3/2500		G3/2500
BVH	(80°-90°)	30.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1
2.5°	1186.1	1185.3	1185.7	1185.3	1186.4	1185.7	1181.3	1177.7	1174.7	1175.1	1174.0
5°	1211.4	1211.7	1212.1	1210.3	1212.8	1211.4	1204.4	1198.5	1192.7	1190.5	1189.7
7.5°	1232.2	1234.1	1235.2	1237.0	1241.4	1241.4	1237.7	1229.3	1216.5	1209.2	1208.8
10°	1253.1	1254.6	1257.9	1263.7	1271.1	1278.0	1276.6	1265.2	1248.7	1236.3	1233.3
12.5°	1260.4	1262.3	1273.3	1290.1	1306.6	1320.1	1320.1	1311.0	1289.7	1270.7	1265.2
15°	1234.8	1238.1	1257.9	1293.8	1337.0	1366.7	1373.3	1360.4	1337.7	1308.4	1301.8
17.5°	1183.9	1191.9	1220.9	1274.0	1345.8	1407.3	1426.4	1420.1	1390.8	1353.5	1345.8
20°	1129.3	1138.1	1168.9	1239.2	1338.5	1431.1	1486.4	1487.9	1451.6	1397.4	1386.1
22.5°	1069.2	1075.8	1115.4	1197.8	1316.5	1436.6	1538.1	1563.4	1514.3	1441.4	1425.3
25°	1001.8	1009.2	1050.5	1139.6	1275.1	1430.4	1585.3	1641.0	1579.9	1488.3	1467.8
27.5°	937.4	940.3	984.6	1075.1	1220.5	1414.3	1620.1	1712.5	1652.4	1527.1	1501.1
30°	875.5	882.4	921.6	1011.0	1157.9	1382.8	1650.2	1793.8	1730.4	1567.8	1534.4
32.5°	809.9	818.3	860.8	951.3	1095.2	1335.5	1668.5	1882.8	1839.2	1633.7	1598.2
35°	746.9	752.4	795.2	883.1	1034.1	1280.6	1671.8	1983.1	1979.5	1733.7	1686.4
37.5°	682.4	690.5	733.7	817.9	969.2	1222.3	1655.3	2089.7	2148.7	1872.5	1821.6
40°	620.5	627.5	670.0	754.9	895.6	1151.3	1616.1	2187.2	2346.2	2015.4	1943.2
42.5°	553.1	554.9	601.5	687.9	823.4	1068.9	1559.7	2274.0	2566.3	2207.0	2117.2
45°	476.6	481.3	524.5	609.5	740.7	976.6	1483.1	2345.8	2845.4	2472.5	2350.2
47.5°	400.0	404.0	443.6	527.5	650.2	870.7	1365.2	2408.8	3131.9	2809.9	2649.4
50°	325.3	327.5	359.7	434.1	548.4	759.3	1219.0	2428.9	3455.7	3287.5	3082.8
52.5°	257.1	260.4	285.0	343.2	439.6	627.8	1061.2	2379.1	3833.7	3853.8	3565.2
55°	208.4	209.5	227.8	270.7	343.6	490.1	870.7	2240.3	4240.3	4579.5	4211.4
57.5°	179.5	180.2	190.5	214.3	264.5	369.6	675.5	1977.7	4605.5	5429.7	4956.4
60°	163.0	163.4	169.2	183.1	209.5	283.5	483.9	1607.0	4965.9	6375.8	5882.4
62.5°	152.7	152.7	156.8	164.5	177.3	217.6	350.5	1159.3	5212.8	7335.9	7023.8
65°	142.9	142.9	145.8	151.3	158.2	178.0	259.0	756.0	5206.6	8035.2	8171.8
67.5°	131.5	131.5	133.7	139.2	143.2	153.1	200.0	495.2	4676.9	8019.8	8798.2
70°	117.9	117.9	120.9	125.6	128.9	135.2	157.9	338.8	3435.9	6847.6	7824.5
72.5°	104.4	104.8	106.6	111.4	113.9	117.6	131.1	237.4	2107.7	4662.6	5471.1
75°	89.4	90.1	91.9	96.7	98.9	100.4	110.6	169.2	1066.3	2513.9	2862.3
77.5°	72.2	73.6	74.7	79.9	81.3	83.5	91.2	122.3	468.1	903.3	911.4
80°	52.7	54.6	57.9	62.6	63.7	65.2	69.6	86.8	212.1	412.5	448.0
82.5°	38.8	41.4	37.4	43.6	43.6	41.8	49.1	58.2	97.4	408.4	488.6
85°	21.2	21.6	19.4	22.3	23.8	23.4	26.0	28.6	47.3	272.5	281.0
87.5°	5.1	5.5	5.9	7.0	8.4	8.4	9.2	8.1	15.4	88.3	50.5
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)