

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: P526565

Luminaire Tested: **GALN-SA1C-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526565
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-SA1C-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA 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: 4282 lumens
Efficiency: N/A
Efficacy: 75.1 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

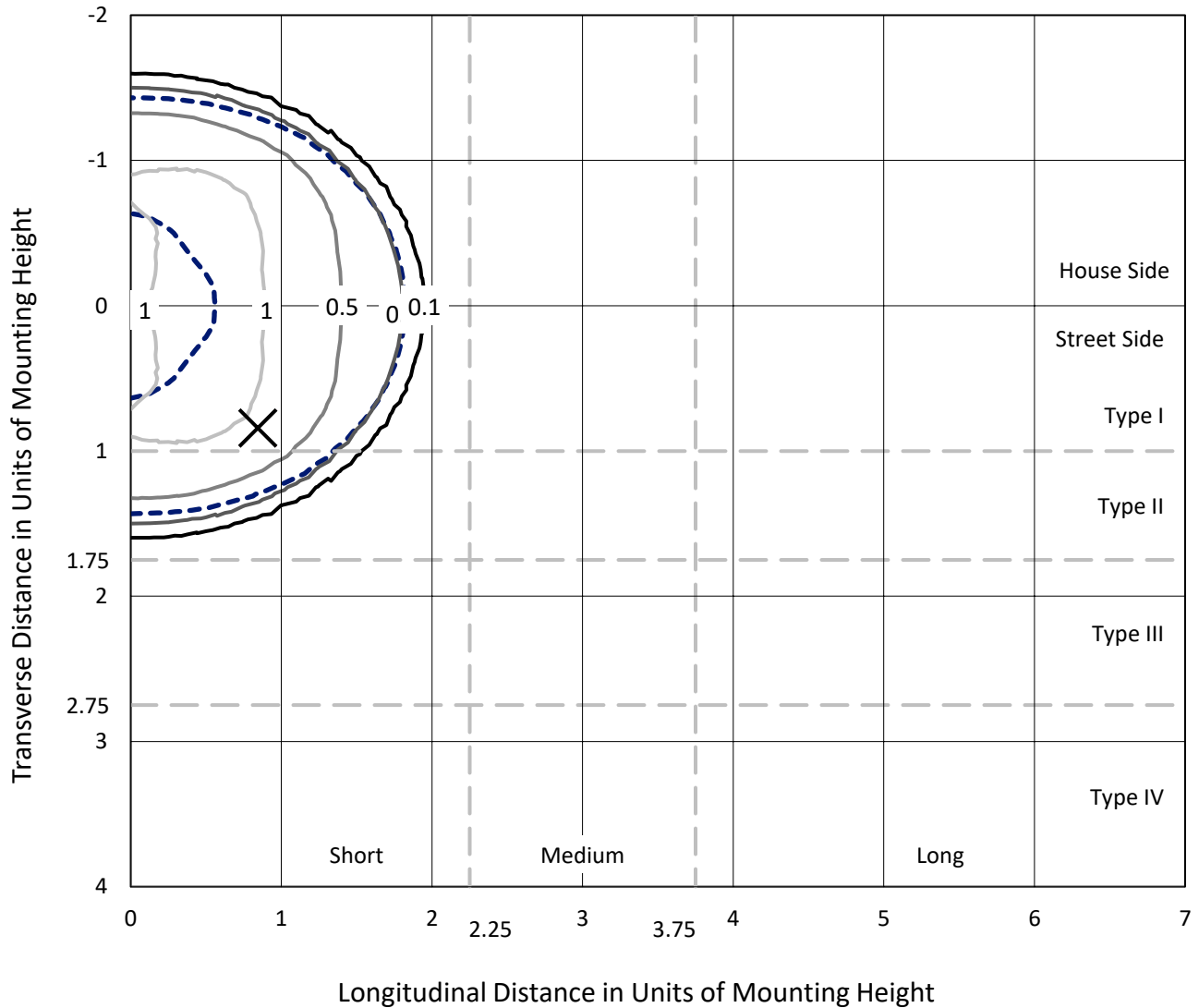
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

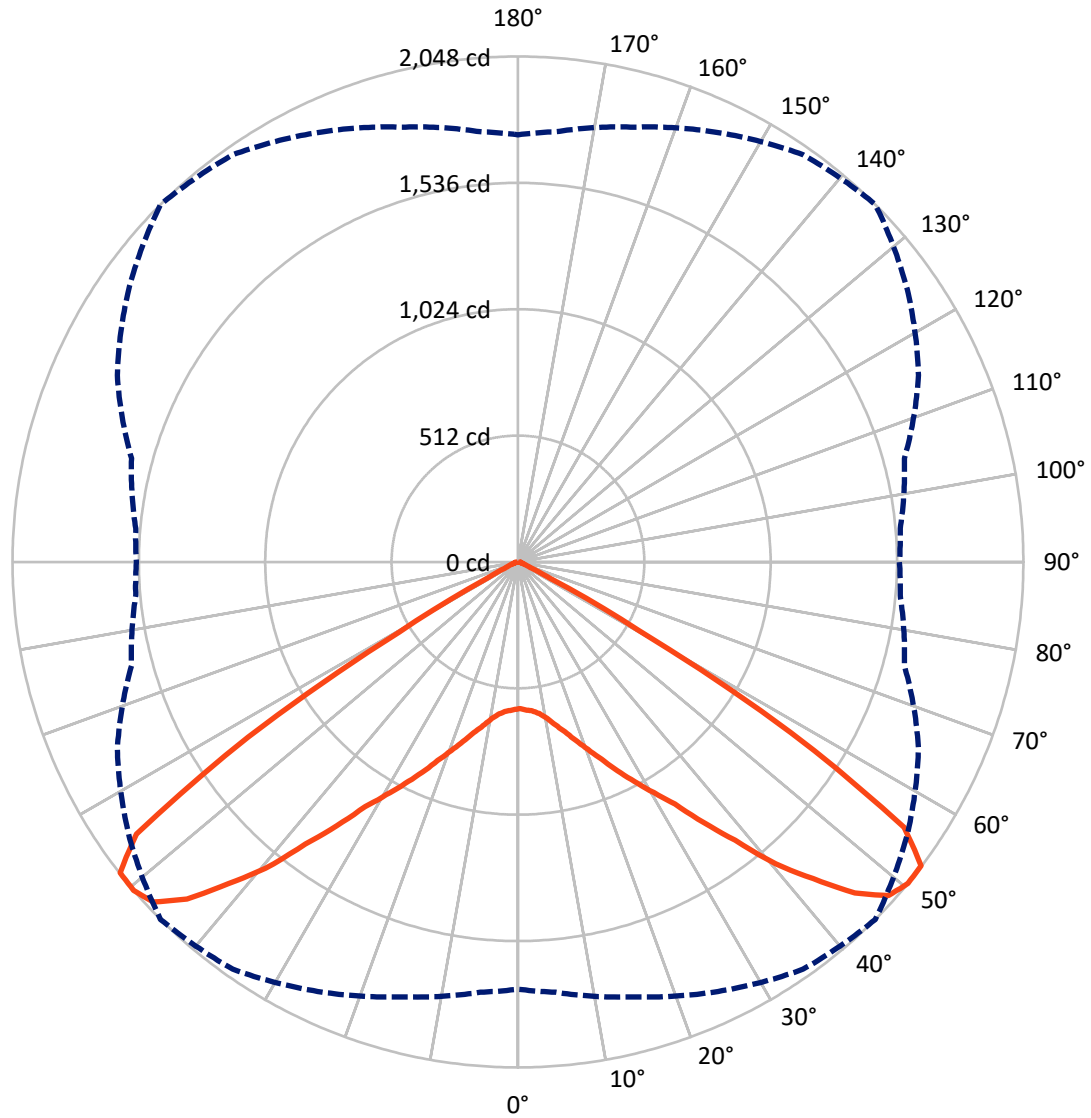
✕ Max cd
 - - - 1/2 Max cd



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 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2141.0	0.0	2141.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2141.0	0.0	2141.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4282.0	0.0	4282.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	1.4
10°-20°	203.6	4.8
20°-30°	415.7	9.7
30°-40°	792.8	18.5
40°-50°	1336.0	31.2
50°-60°	1274.1	29.8
60°-70°	177.9	4.2
70°-80°	17.0	0.4
80°-90°	5.9	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°	4282.0	100.0
0°-180°	4282.0	100.0

Coefficient of Utilization

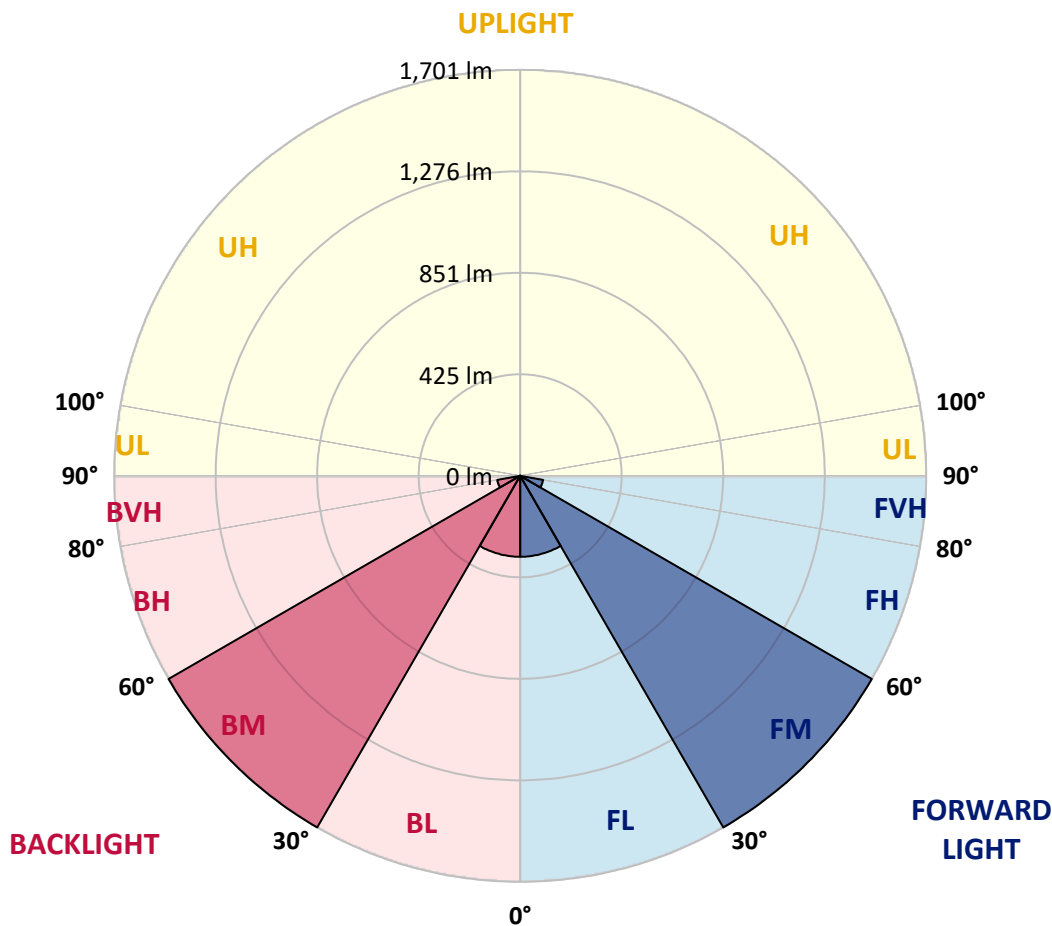


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	339.2	7.9			
FM (30°-60°)	1701.4	39.7			
FH (60°-80°)	97.4	2.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	339.2	7.9	B1/500		
BM (30°-60°)	1701.4	39.7	B2/2500		
BH (60°-80°)	97.4	2.3	B0/110		G0/660
BVH (80°-90°)	2.9	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°	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7
2.5°	591.5	591.5	590.8	596.5	593.7	600.1	599.4	601.6	603.7	603.0	608.8
5°	586.4	585.7	585.7	592.2	598.7	605.9	612.4	616.7	623.9	623.9	631.1
7.5°	591.5	587.9	592.9	595.8	608.1	620.3	631.1	639.8	656.3	662.1	659.9
10°	592.9	597.3	600.9	609.5	624.6	643.4	652.7	674.3	693.1	706.0	708.9
12.5°	602.3	608.8	618.9	639.8	653.4	677.9	690.9	711.8	737.7	752.2	762.2
15°	620.3	622.5	635.4	662.1	691.6	714.0	734.1	749.3	774.5	791.1	791.8
17.5°	643.4	652.7	670.7	696.0	726.9	760.1	775.9	792.5	801.9	824.2	829.2
20°	689.5	690.9	708.2	741.3	780.2	810.5	822.0	830.7	827.1	850.1	854.5
22.5°	732.7	734.1	755.8	800.4	842.2	868.1	873.2	868.1	857.3	873.9	875.3
25°	776.6	789.6	805.5	850.1	902.0	936.6	937.3	923.6	901.3	904.2	911.4
27.5°	845.1	854.5	871.0	912.1	969.0	1007.9	1001.4	984.9	956.0	958.2	956.0
30°	925.1	933.7	947.4	1000.0	1041.8	1084.3	1093.6	1077.8	1034.6	1025.2	1036.0
32.5°	1021.6	1033.8	1059.1	1107.3	1142.6	1168.6	1175.1	1169.3	1128.9	1125.3	1132.6
35°	1139.0	1155.6	1178.7	1221.2	1250.0	1296.8	1296.8	1277.4	1240.6	1244.9	1244.2
37.5°	1263.0	1287.4	1323.5	1366.7	1405.6	1430.8	1422.9	1406.3	1369.6	1360.2	1369.6
40°	1418.6	1430.8	1476.2	1532.4	1580.0	1608.8	1574.9	1538.9	1451.0	1464.7	1489.9
42.5°	1560.5	1580.0	1614.5	1676.5	1730.5	1754.3	1714.0	1642.6	1536.7	1525.9	1544.6
45°	1681.5	1702.4	1747.8	1836.4	1893.3	1914.2	1824.9	1709.6	1588.6	1561.2	1569.1
47.5°	1762.2	1773.0	1836.4	1920.7	1972.6	2020.1	1891.9	1755.7	1613.1	1561.2	1558.3
50°	1731.2	1750.0	1824.2	1920.0	2014.4	2048.2	1925.8	1791.0	1621.0	1554.7	1546.1
52.5°	1537.4	1569.9	1652.7	1781.7	1924.3	2045.4	1972.6	1779.5	1618.1	1561.2	1574.2
55°	1069.9	1070.6	1171.5	1361.7	1613.8	1899.1	1904.2	1792.5	1636.9	1601.6	1602.3
57.5°	430.1	451.7	528.8	719.7	952.4	1304.0	1550.4	1662.8	1639.0	1630.4	1652.7
60°	108.8	109.5	133.3	203.2	335.0	559.1	811.9	1098.7	1265.1	1322.0	1330.0
62.5°	55.5	56.2	62.0	72.0	91.5	149.9	266.6	422.9	601.6	692.4	716.1
65°	45.4	45.4	49.0	54.0	54.8	57.6	69.2	98.7	143.4	162.8	165.0
67.5°	34.6	34.6	37.5	40.3	41.8	41.1	39.6	41.1	49.7	47.5	46.1
70°	21.6	22.3	23.8	26.7	28.1	28.8	29.5	31.0	35.3	36.7	35.3
72.5°	13.0	13.0	13.7	15.8	18.0	19.5	21.6	23.1	25.2	28.8	28.1
75°	5.8	5.8	7.2	9.4	11.5	13.7	15.8	18.0	19.5	21.6	22.3
77.5°	1.4	2.2	3.6	6.5	8.6	11.5	14.4	16.6	18.0	18.0	17.3
80°	0.7	0.7	2.9	5.0	9.4	12.2	15.8	17.3	19.5	18.0	15.8
82.5°	0.7	0.7	2.9	5.0	8.6	12.2	16.6	18.7	20.2	18.0	15.1
85°	0.0	0.7	2.2	4.3	7.2	8.6	7.2	5.0	2.9	2.9	2.2
87.5°	0.0	0.0	0.7	0.7	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)