

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: P526949

Luminaire Tested: **GALN-SA2A-722-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-722-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4644 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

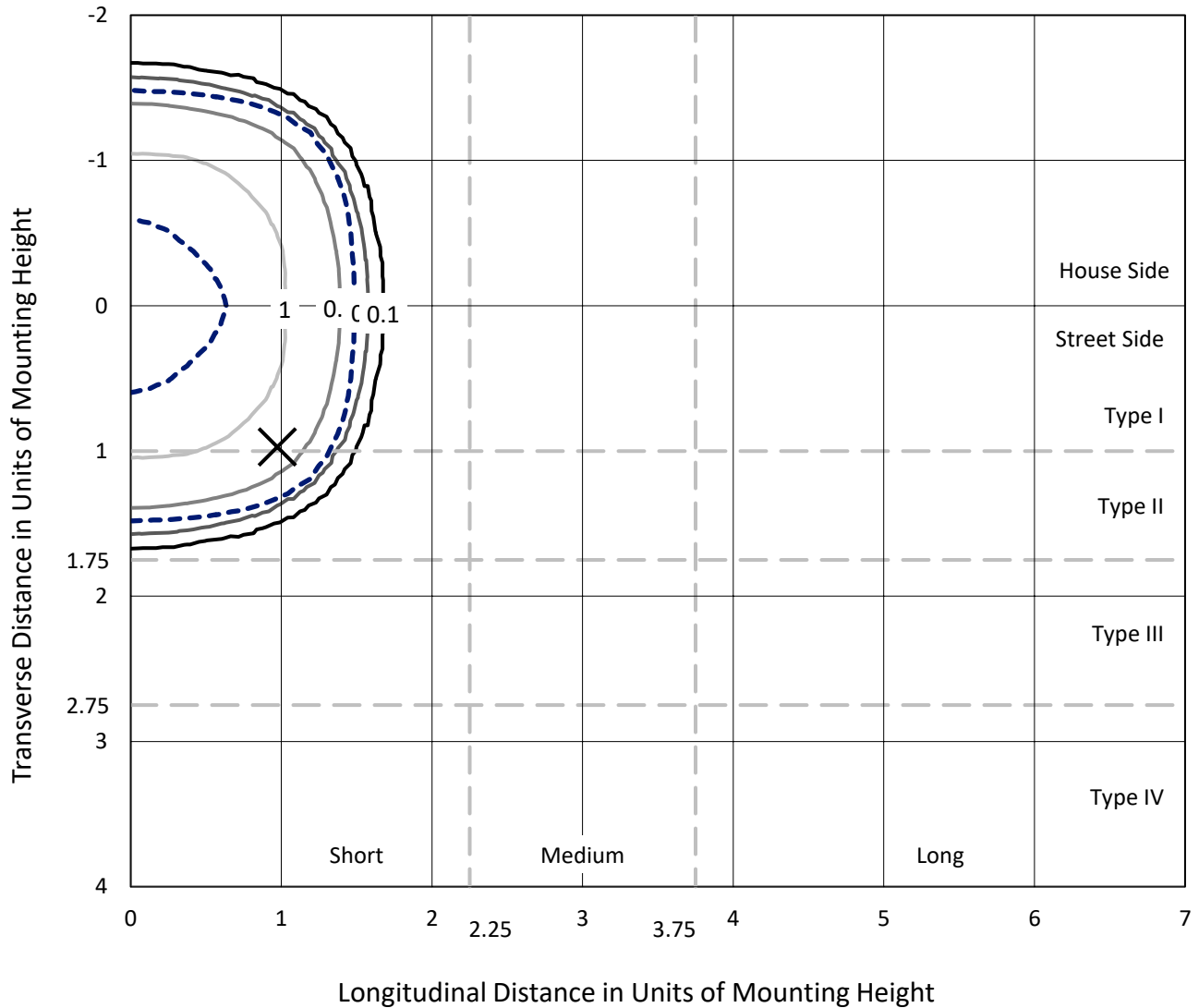
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

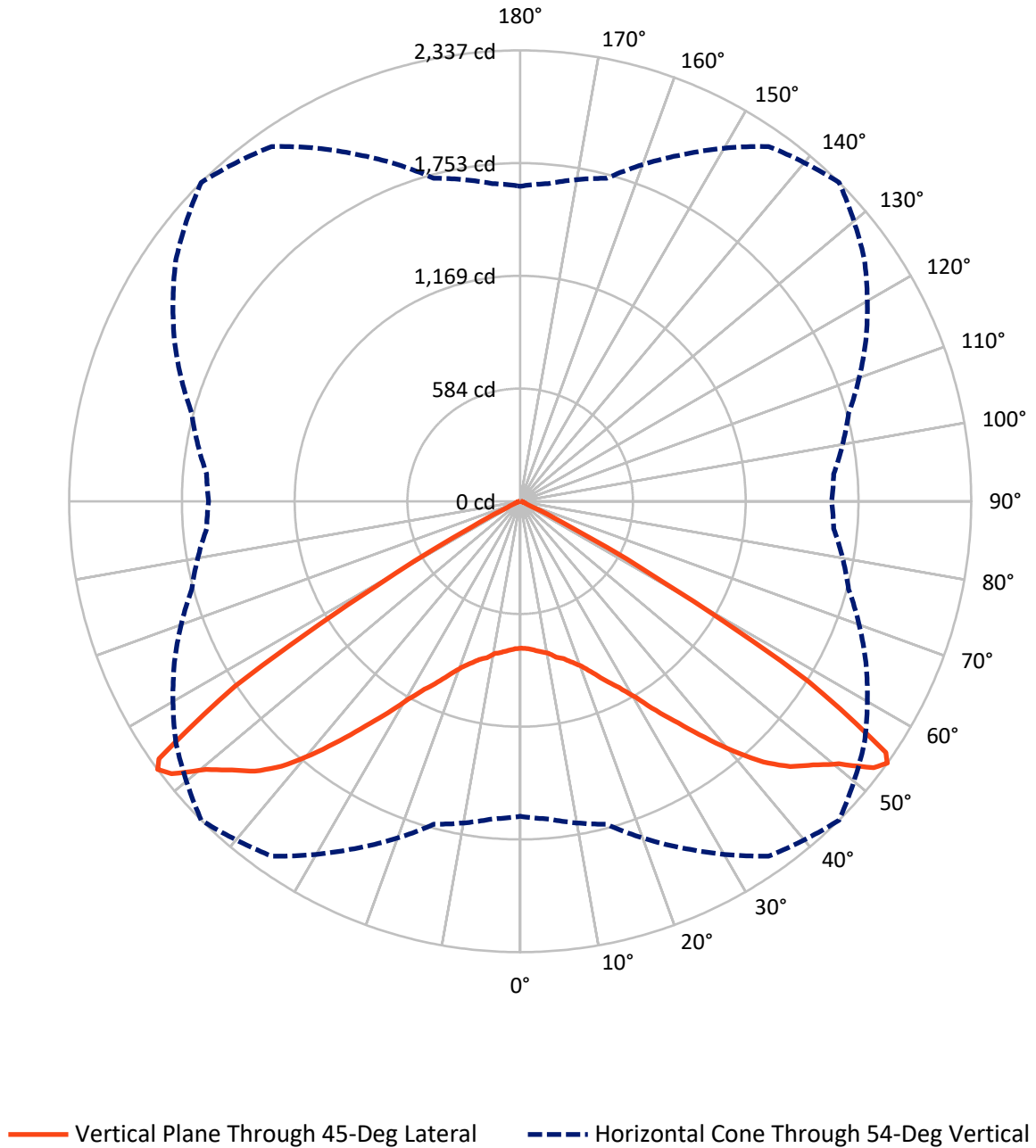
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2322.0	0.0	2322.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2322.0	0.0	2322.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4644.0	0.0	4644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	1.6
10°-20°	241.4	5.2
20°-30°	473.0	10.2
30°-40°	850.6	18.3
40°-50°	1456.1	31.4
50°-60°	1408.9	30.3
60°-70°	120.6	2.6
70°-80°	14.3	0.3
80°-90°	4.5	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°	4644.0	100.0
0°-180°	4644.0	100.0

Coefficient of Utilization



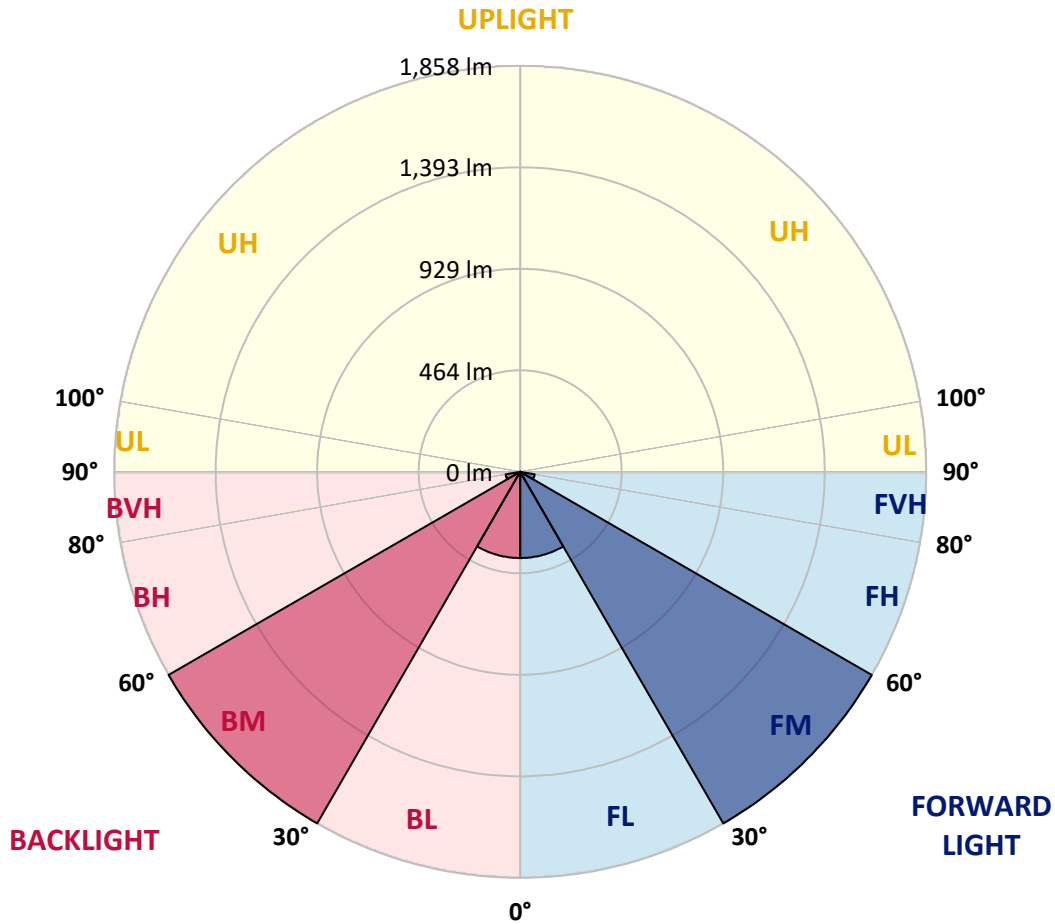
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.5	8.5			
FM (30°-60°)	1857.8	40.0			
FH (60°-80°)	67.5	1.5			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	394.5	8.5	B1/500		
BM (30°-60°)	1857.8	40.0	B2/2500		
BH (60°-80°)	67.5	1.5	B0/110		G0/660
BVH (80°-90°)	2.2	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°	761.5	761.5	761.5	761.5	761.5	761.5	761.5	761.5	761.5	761.5	761.5
2.5°	765.1	769.6	766.6	768.8	768.8	765.1	767.4	758.5	764.4	760.0	760.7
5°	776.9	776.2	776.2	776.9	774.0	775.5	772.5	769.6	767.4	764.4	773.2
7.5°	791.6	791.6	786.5	788.0	786.5	788.7	782.8	776.9	774.7	772.5	771.0
10°	805.6	804.1	801.9	808.6	803.4	800.5	797.5	793.8	785.8	782.8	779.9
12.5°	826.2	825.5	822.5	829.2	826.2	829.2	818.1	808.6	807.1	797.5	802.7
15°	850.5	857.1	852.0	852.0	850.5	846.8	842.4	838.0	824.7	821.1	821.8
17.5°	882.1	879.9	880.7	880.7	888.0	878.5	869.6	858.6	852.0	849.8	842.4
20°	912.3	915.2	914.5	919.7	924.1	913.8	904.2	902.7	884.3	887.3	877.0
22.5°	965.3	963.1	966.7	970.4	967.5	966.0	957.2	946.1	930.0	922.6	921.1
25°	1021.2	1017.5	1010.9	1019.7	1024.1	1030.7	1013.8	1007.9	982.9	971.9	972.6
27.5°	1069.0	1074.2	1081.5	1085.2	1096.2	1094.0	1082.2	1063.1	1044.0	1031.5	1023.4
30°	1134.5	1137.4	1149.9	1155.1	1174.2	1179.4	1161.0	1138.9	1105.1	1088.9	1079.3
32.5°	1194.8	1215.4	1214.7	1240.4	1271.3	1292.7	1259.6	1225.7	1191.9	1172.7	1155.8
35°	1292.7	1289.0	1310.3	1337.5	1387.6	1411.8	1375.8	1336.8	1285.3	1254.4	1241.2
37.5°	1383.9	1385.4	1414.1	1457.5	1514.8	1552.4	1520.7	1456.7	1403.8	1364.0	1345.6
40°	1516.3	1519.3	1548.7	1598.0	1662.7	1703.2	1666.4	1601.7	1531.0	1500.1	1500.1
42.5°	1671.6	1684.1	1703.2	1745.9	1804.0	1848.9	1815.8	1765.0	1693.6	1653.9	1659.8
45°	1831.2	1837.1	1849.6	1912.9	1940.1	1962.2	1931.3	1907.7	1859.9	1811.3	1803.3
47.5°	1980.6	1982.8	2019.6	2039.4	2060.8	2042.4	2062.2	2031.3	1977.6	1930.5	1921.0
50°	2046.8	2043.1	2095.3	2155.7	2171.8	2139.5	2122.6	2102.0	2020.3	1963.6	1938.6
52.5°	1854.0	1875.4	1972.5	2140.2	2266.8	2294.0	2195.4	2100.5	1948.2	1837.8	1820.9
54°	1633.3	1653.2	1733.4	1982.0	2245.4	2337.4	2178.5	1976.9	1762.1	1631.1	1614.2
55°	1414.8	1392.7	1538.4	1792.2	2145.4	2299.1	2111.5	1817.2	1571.5	1451.6	1428.0
57.5°	765.9	769.6	892.4	1132.3	1507.5	1762.8	1556.8	1229.4	928.5	793.8	782.1
60°	242.8	248.7	302.4	457.6	720.3	860.1	737.2	493.7	341.4	273.7	262.7
62.5°	75.8	78.7	86.1	128.0	197.2	281.8	220.7	132.4	98.6	90.5	92.0
65°	46.4	46.4	47.1	50.0	58.9	68.4	66.2	58.1	55.9	54.4	53.7
67.5°	30.2	29.4	30.9	33.1	34.6	35.3	37.5	39.7	39.0	37.5	37.5
70°	18.4	17.7	19.1	22.1	22.8	24.3	26.5	29.4	28.7	27.2	28.0
72.5°	10.3	10.3	11.0	13.2	15.5	16.9	19.1	21.3	22.1	21.3	21.3
75°	3.7	4.4	5.9	8.1	9.6	11.8	14.0	16.2	18.4	16.9	16.2
77.5°	1.5	1.5	2.9	5.2	7.4	9.6	13.2	15.5	16.9	15.5	14.0
80°	0.7	0.7	2.2	4.4	6.6	8.8	11.0	13.2	14.0	12.5	11.0
82.5°	0.7	0.7	2.2	4.4	6.6	8.1	11.8	13.2	14.7	13.2	11.0
85°	0.0	0.7	2.2	4.4	5.9	6.6	6.6	4.4	3.7	2.2	2.2
87.5°	0.0	0.0	0.7	0.0	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)