

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: P651711

Luminaire Tested: **GALN-SA2A-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651711
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-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 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: 5308.4 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

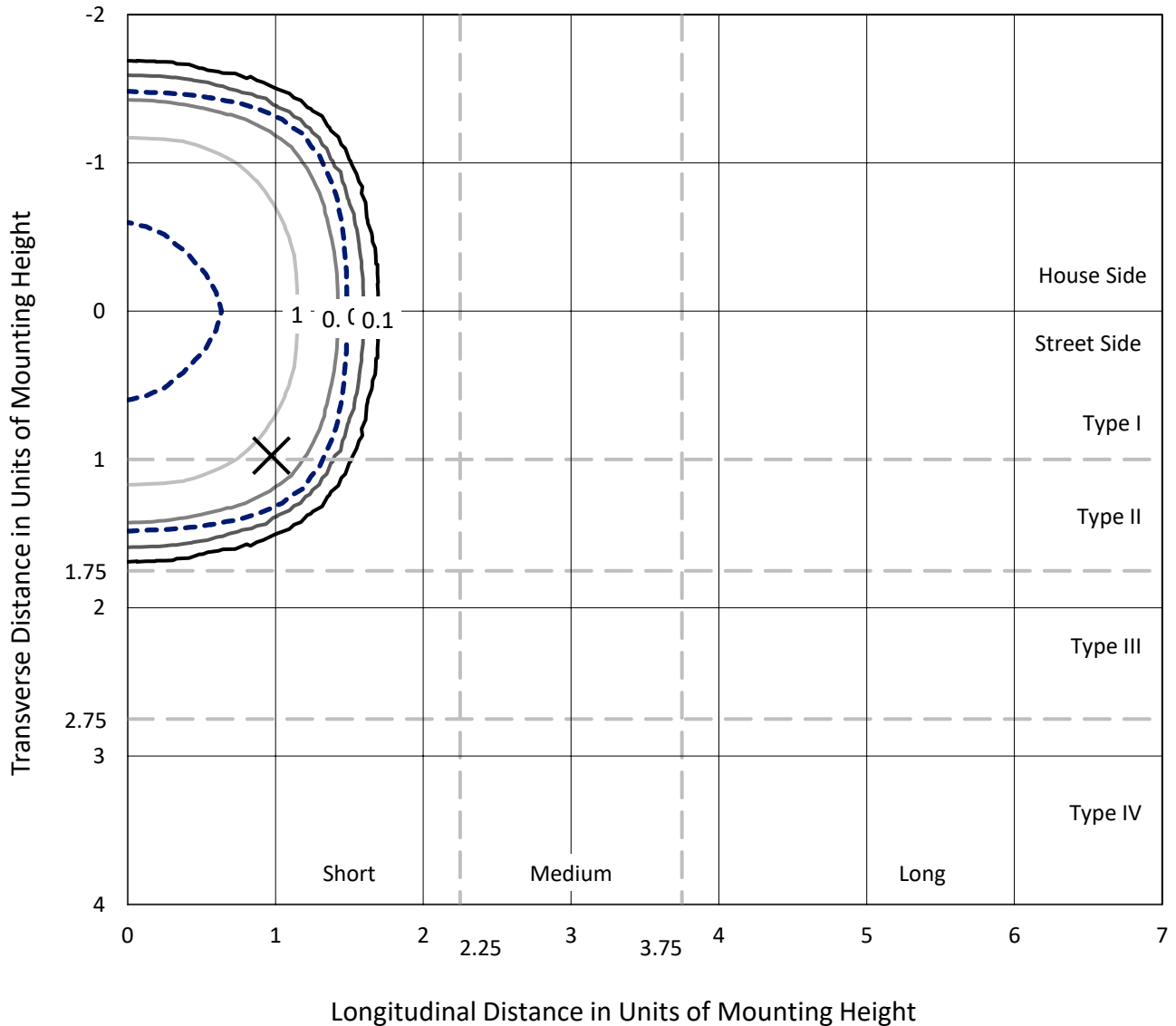
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

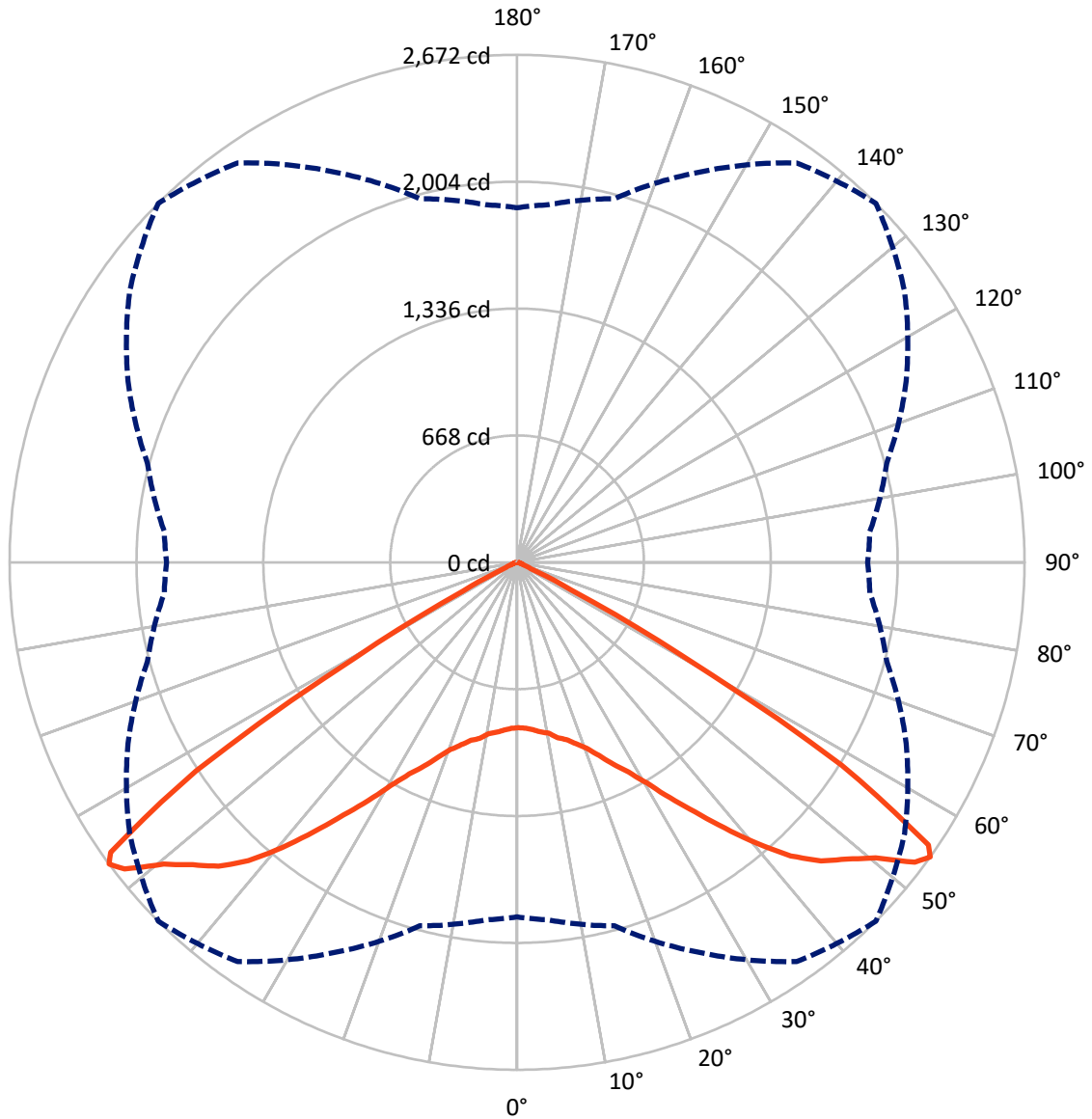
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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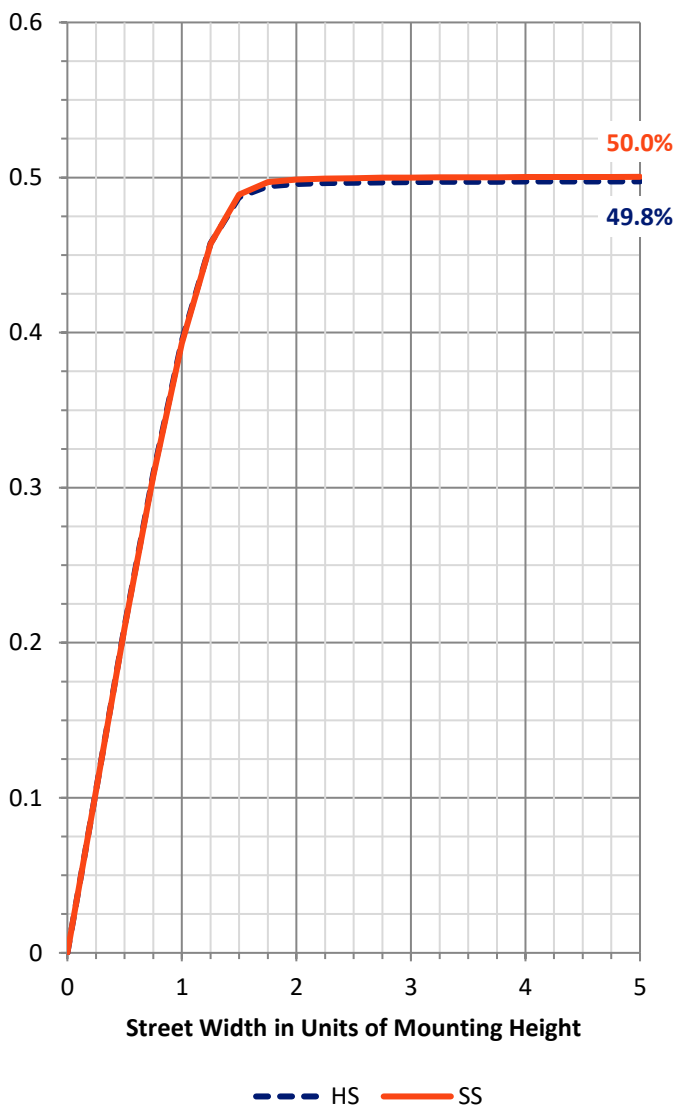
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2654.2	0.0	2654.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2654.2	0.0	2654.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5308.4	0.0	5308.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	1.6
10°-20°	275.9	5.2
20°-30°	540.7	10.2
30°-40°	972.3	18.3
40°-50°	1664.4	31.4
50°-60°	1610.5	30.3
60°-70°	137.9	2.6
70°-80°	16.3	0.3
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°	5308.4	100.0
0°-180°	5308.4	100.0

Coefficient of Utilization

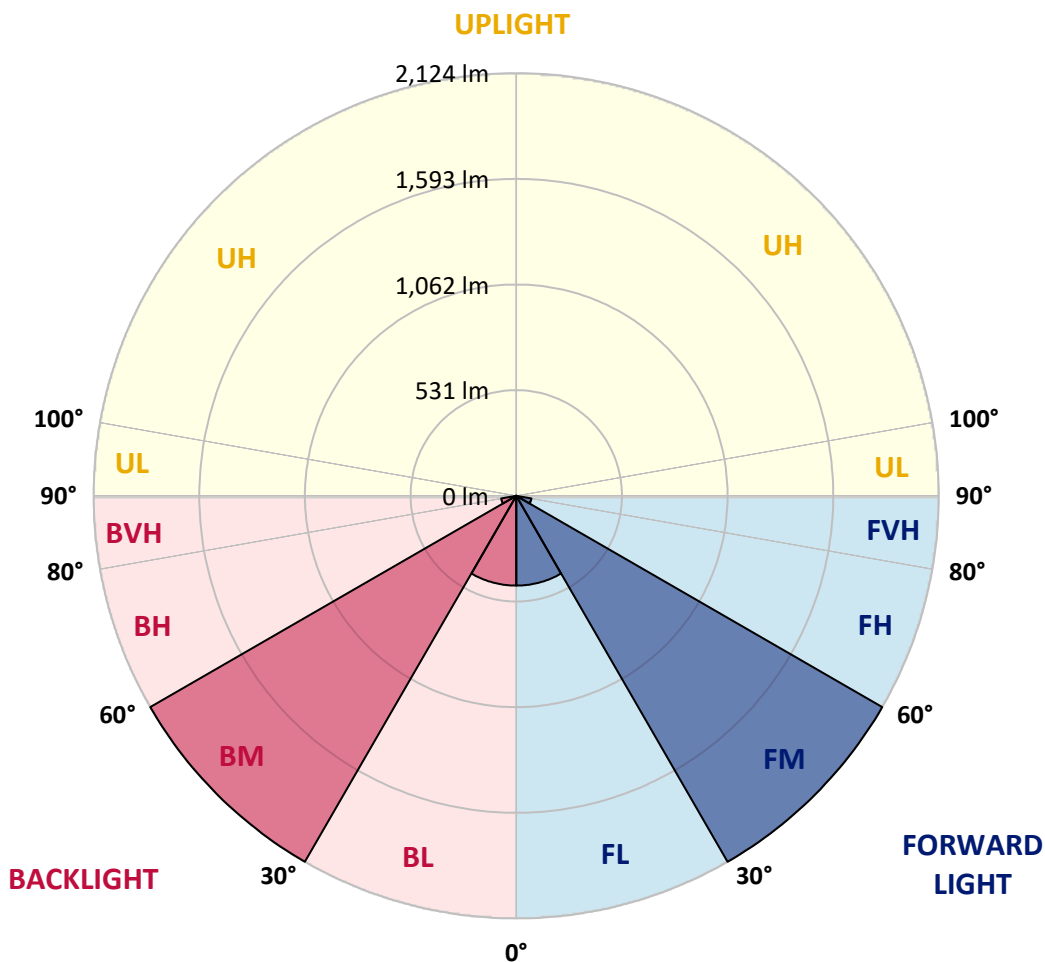


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.9	8.5			
FM (30°-60°)	2123.6	40.0			
FH (60°-80°)	77.1	1.5			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	450.9	8.5	B1/500		
BM (30°-60°)	2123.6	40.0	B2/2500		
BH (60°-80°)	77.1	1.5	B0/110		G0/660
BVH (80°-90°)	2.6	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°	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4
2.5°	874.6	879.7	876.3	878.8	878.8	874.6	877.2	867.1	873.8	868.8	869.6
5°	888.1	887.3	887.3	888.1	884.7	886.4	883.0	879.7	877.2	873.8	883.9
7.5°	904.9	904.9	899.0	900.7	899.0	901.6	894.8	888.1	885.6	883.0	881.4
10°	920.9	919.2	916.7	924.3	918.4	915.0	911.6	907.4	898.2	894.8	891.5
12.5°	944.4	943.6	940.2	947.8	944.4	947.8	935.2	924.3	922.6	911.6	917.5
15°	972.2	979.8	973.9	973.9	972.2	968.0	962.9	957.9	942.8	938.6	939.4
17.5°	1008.4	1005.8	1006.7	1006.7	1015.1	1004.2	994.1	981.4	973.9	971.4	962.9
20°	1042.8	1046.2	1045.4	1051.2	1056.3	1044.5	1033.6	1031.9	1010.9	1014.2	1002.5
22.5°	1103.4	1100.9	1105.1	1109.3	1105.9	1104.2	1094.1	1081.5	1063.0	1054.6	1052.9
25°	1167.3	1163.1	1155.5	1165.6	1170.7	1178.2	1158.9	1152.2	1123.6	1111.0	1111.8
27.5°	1222.0	1227.9	1236.3	1240.5	1253.1	1250.6	1237.1	1215.2	1193.4	1179.1	1169.8
30°	1296.8	1300.2	1314.5	1320.4	1342.2	1348.1	1327.1	1301.9	1263.2	1244.7	1233.7
32.5°	1365.8	1389.3	1388.5	1417.9	1453.2	1477.6	1439.8	1401.1	1362.4	1340.6	1321.2
35°	1477.6	1473.4	1497.8	1528.9	1586.0	1613.8	1572.6	1528.0	1469.2	1433.9	1418.8
37.5°	1581.8	1583.5	1616.3	1665.9	1731.5	1774.4	1738.3	1665.1	1604.5	1559.1	1538.1
40°	1733.2	1736.6	1770.2	1826.6	1900.6	1946.8	1904.8	1830.8	1750.0	1714.7	1714.7
42.5°	1910.7	1925.0	1946.8	1995.6	2062.0	2113.3	2075.5	2017.5	1935.9	1890.5	1897.2
45°	2093.2	2099.9	2114.2	2186.5	2217.6	2242.9	2207.5	2180.6	2126.0	2070.5	2061.2
47.5°	2263.9	2266.4	2308.5	2331.2	2355.6	2334.5	2357.2	2321.9	2260.5	2206.7	2195.8
50°	2339.6	2335.4	2395.1	2464.0	2482.5	2445.5	2426.2	2402.7	2309.3	2244.5	2216.0
52.5°	2119.2	2143.6	2254.6	2446.4	2591.0	2622.2	2509.5	2401.0	2226.9	2100.7	2081.4
54°	1866.9	1889.6	1981.3	2265.6	2566.6	2671.8	2490.1	2259.7	2014.1	1864.4	1845.1
55°	1617.2	1591.9	1758.4	2048.6	2452.3	2628.0	2413.6	2077.2	1796.3	1659.2	1632.3
57.5°	875.5	879.7	1020.1	1294.3	1723.1	2015.0	1779.5	1405.3	1061.3	907.4	894.0
60°	277.5	284.3	345.7	523.1	823.3	983.1	842.7	564.3	390.2	312.9	300.2
62.5°	86.6	90.0	98.4	146.3	225.4	322.1	252.3	151.4	112.7	103.4	105.1
65°	53.0	53.0	53.8	57.2	67.3	78.2	75.7	66.4	63.9	62.2	61.4
67.5°	34.5	33.6	35.3	37.8	39.5	40.4	42.9	45.4	44.6	42.9	42.9
70°	21.0	20.2	21.9	25.2	26.1	27.8	30.3	33.6	32.8	31.1	32.0
72.5°	11.8	11.8	12.6	15.1	17.7	19.3	21.9	24.4	25.2	24.4	24.4
75°	4.2	5.0	6.7	9.3	10.9	13.5	16.0	18.5	21.0	19.3	18.5
77.5°	1.7	1.7	3.4	5.9	8.4	10.9	15.1	17.7	19.3	17.7	16.0
80°	0.8	0.8	2.5	5.0	7.6	10.1	12.6	15.1	16.0	14.3	12.6
82.5°	0.8	0.8	2.5	5.0	7.6	9.3	13.5	15.1	16.8	15.1	12.6
85°	0.0	0.8	2.5	5.0	6.7	7.6	7.6	5.0	4.2	2.5	2.5
87.5°	0.0	0.0	0.8	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)