

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: P650724

Luminaire Tested: **GALN-SA2C-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6202.4 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

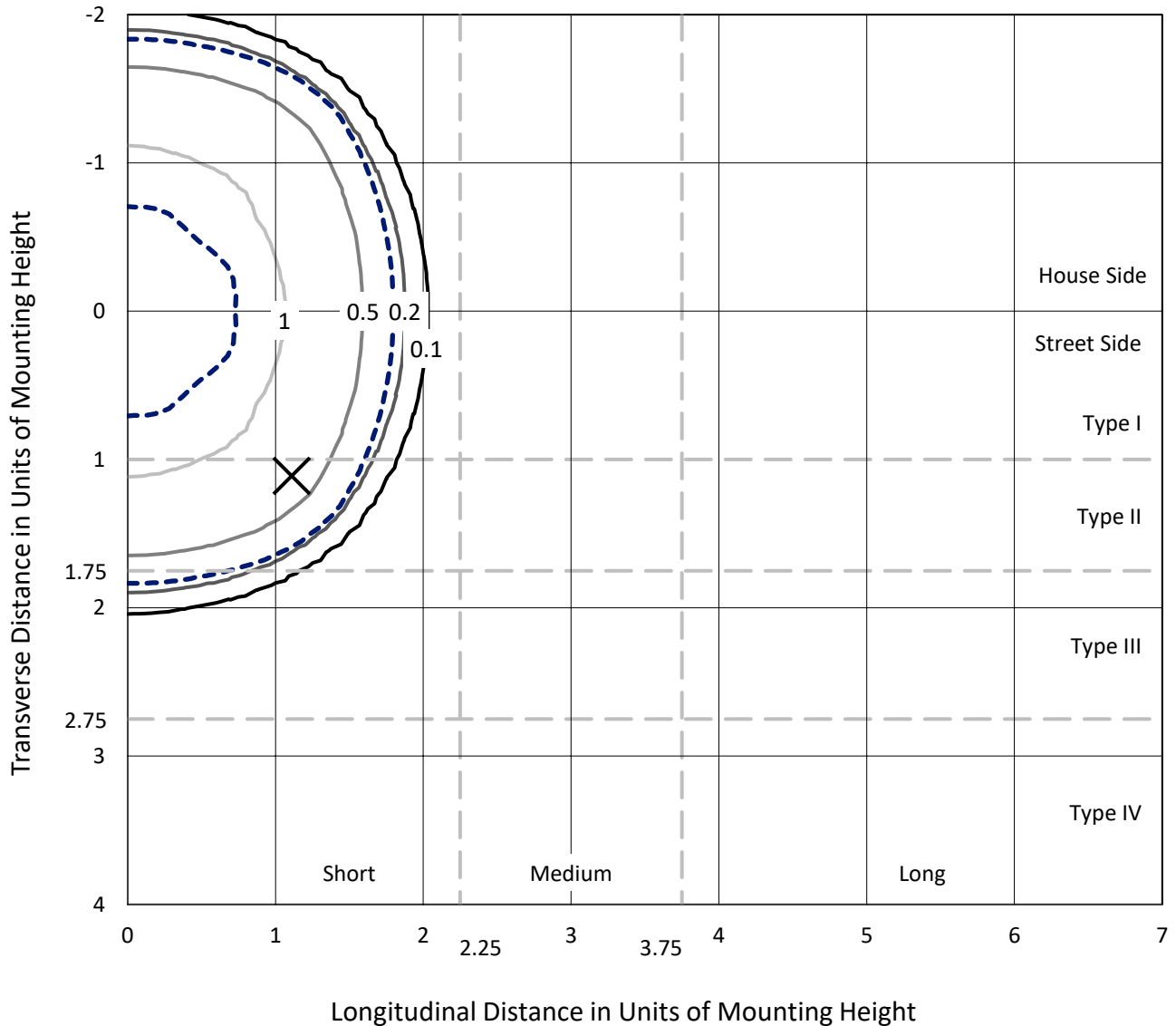
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

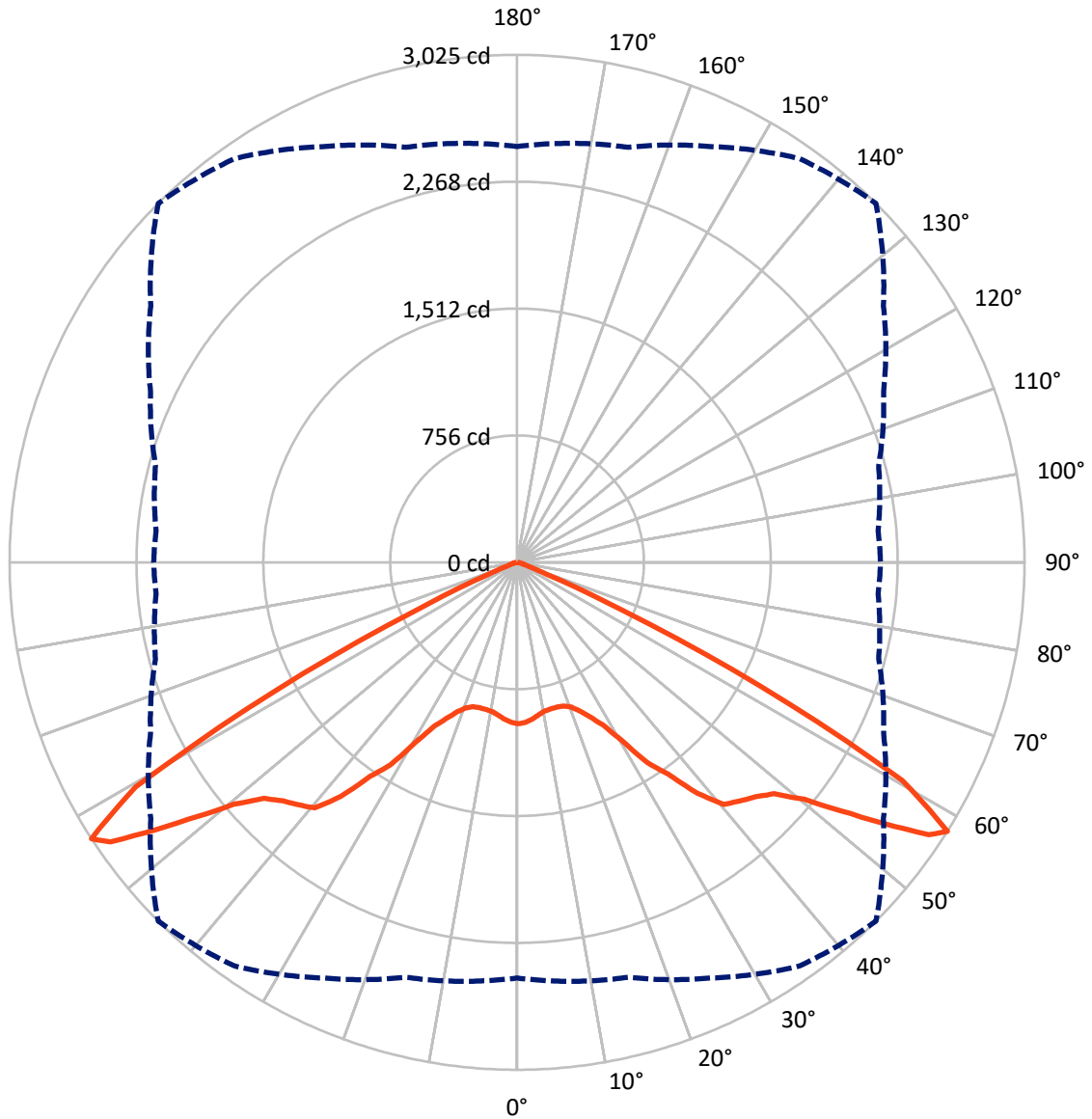
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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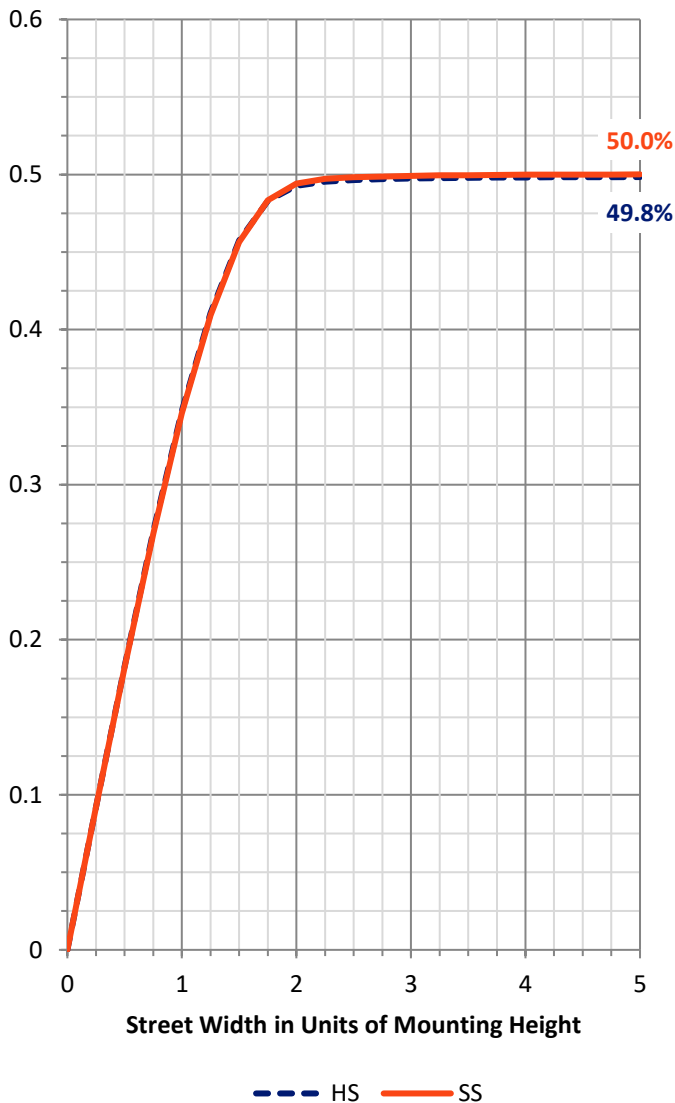
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3101.2	0.0	3101.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3101.2	0.0	3101.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6202.4	0.0	6202.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	1.4
10°-20°	255.5	4.1
20°-30°	471.7	7.6
30°-40°	927.6	15.0
40°-50°	1510.9	24.4
50°-60°	2154.7	34.7
60°-70°	746.0	12.0
70°-80°	40.0	0.6
80°-90°	7.5	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°	6202.4	100.0
0°-180°	6202.4	100.0

Coefficient of Utilization

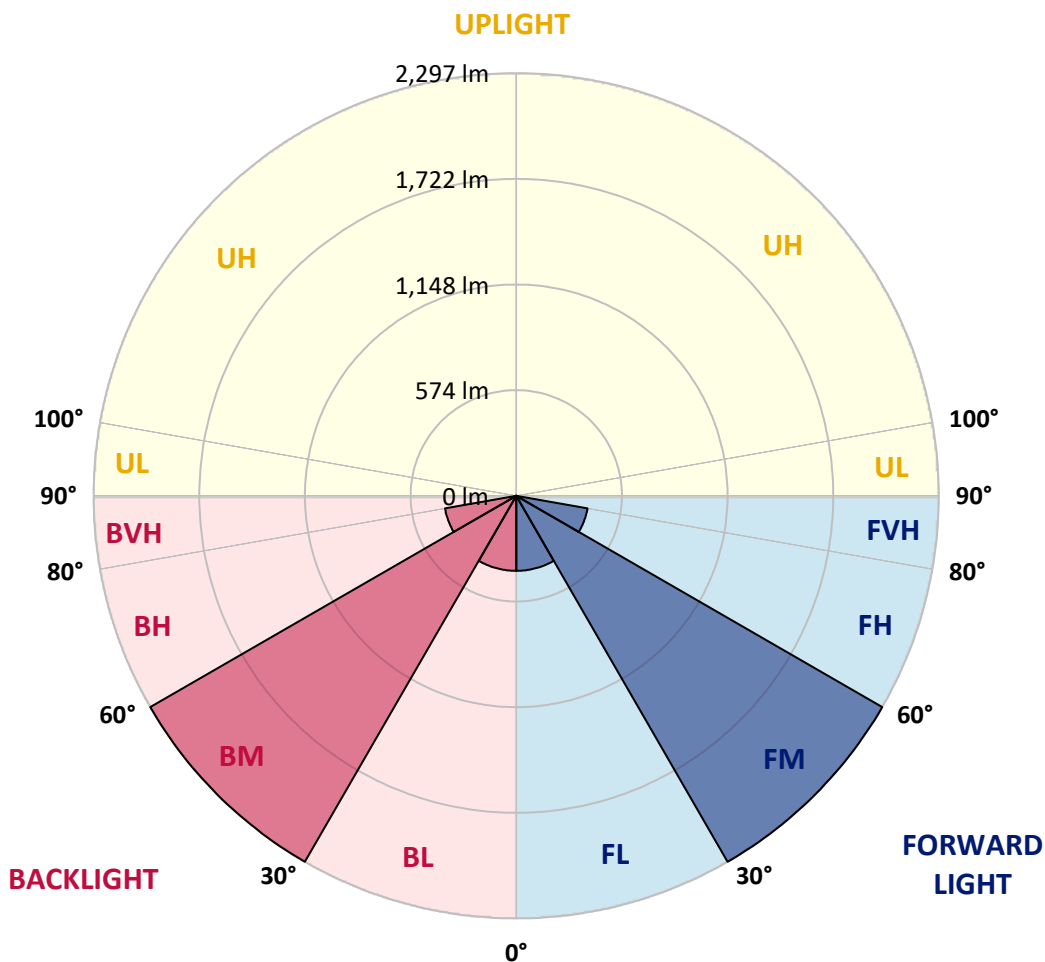


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.8	6.6			
FM (30°-60°)	2296.6	37.0			
FH (60°-80°)	393.0	6.3			G0/660
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	407.8	6.6	B1/500		
BM (30°-60°)	2296.6	37.0	B2/2500		
BH (60°-80°)	393.0	6.3	B1/500		G0/660
BVH (80°-90°)	3.8	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°	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0
2.5°	959.5	964.6	958.2	955.6	954.3	954.3	950.4	950.4	949.2	950.4	945.3
5°	943.9	949.2	949.2	947.8	940.1	938.8	934.9	932.3	933.6	928.5	932.3
7.5°	928.5	932.3	927.1	925.9	923.2	918.1	916.8	905.2	906.4	906.4	909.0
10°	925.9	924.6	916.8	910.3	902.6	901.3	897.4	894.8	894.8	893.5	897.4
12.5°	925.9	919.4	918.1	903.8	891.0	896.1	885.7	879.3	888.3	891.0	896.1
15°	924.6	931.0	909.0	902.6	893.5	894.8	885.7	879.3	884.5	887.1	891.0
17.5°	932.3	928.5	922.0	909.0	905.2	900.0	888.3	883.1	883.1	889.6	891.0
20°	953.0	942.7	929.7	923.2	927.1	920.6	906.4	887.1	892.2	897.4	901.3
22.5°	972.4	964.6	955.6	951.7	973.7	963.4	938.8	916.8	909.0	918.1	924.6
25°	1009.9	1009.9	993.1	998.3	1022.8	1024.1	995.7	956.9	951.7	955.6	958.2
27.5°	1086.2	1090.1	1075.8	1081.0	1091.4	1100.4	1075.8	1043.5	1031.9	1030.6	1034.4
30°	1168.9	1176.7	1175.4	1197.4	1227.1	1232.3	1196.1	1143.1	1108.2	1101.7	1106.8
32.5°	1277.6	1281.4	1278.8	1304.7	1384.9	1422.4	1328.0	1253.0	1206.4	1218.1	1206.4
35°	1481.8	1478.0	1449.5	1454.7	1520.7	1547.9	1457.3	1409.4	1387.5	1410.8	1405.6
37.5°	1657.7	1643.5	1620.3	1653.8	1722.4	1746.9	1652.6	1568.5	1528.4	1567.2	1584.0
40°	1806.5	1770.2	1737.9	1771.5	1863.3	1897.0	1758.6	1690.1	1674.5	1703.0	1739.2
42.5°	1931.9	1908.6	1865.9	1868.5	1929.3	1944.8	1833.6	1793.5	1778.0	1823.3	1841.4
45°	2021.1	1999.1	1959.0	1956.4	2003.0	1992.7	1893.1	1865.9	1875.0	1904.7	1913.8
47.5°	2066.3	2077.9	2054.7	2061.2	2085.8	2061.2	1982.3	1982.3	1961.6	1979.7	1970.6
50°	2196.9	2160.8	2190.5	2190.5	2216.4	2218.9	2140.1	2111.6	2056.0	2025.0	2025.0
52.5°	2349.5	2352.1	2363.7	2406.4	2450.4	2487.9	2375.4	2253.9	2160.8	2120.7	2115.5
55°	2475.0	2500.8	2547.4	2627.5	2754.3	2806.0	2612.1	2394.7	2281.0	2218.9	2206.0
56°	2543.5	2519.0	2599.1	2709.0	2874.5	2941.7	2650.8	2423.3	2297.8	2228.0	2226.7
57.5°	2477.6	2504.7	2560.3	2733.6	2936.6	3024.5	2665.0	2410.3	2230.6	2159.4	2165.9
60°	1956.4	1982.3	2057.3	2251.3	2569.3	2637.9	2255.1	1987.5	1827.2	1725.0	1726.2
62.5°	1106.8	1126.3	1184.5	1364.2	1562.1	1628.0	1405.6	1227.1	1115.9	1059.1	1040.9
65°	407.3	399.6	408.6	500.4	622.0	677.6	584.5	493.9	435.8	415.1	407.3
67.5°	152.6	141.0	131.9	141.0	177.1	187.5	172.0	143.6	134.5	138.3	141.0
70°	94.4	89.2	71.1	67.3	65.9	64.7	68.5	72.4	82.8	97.0	99.6
72.5°	65.9	62.1	50.5	47.9	45.2	44.0	50.5	55.6	64.7	75.0	76.3
75°	25.9	27.2	25.9	28.4	29.8	31.0	36.2	40.1	44.0	44.0	42.6
77.5°	5.2	5.2	7.7	10.3	13.0	16.8	24.6	28.4	29.8	28.4	24.6
80°	0.0	0.0	2.6	5.2	10.3	14.2	22.0	24.6	27.2	24.6	19.4
82.5°	0.0	0.0	2.6	6.5	10.3	13.0	20.7	25.9	29.8	27.2	20.7
85°	0.0	0.0	2.6	5.2	7.7	9.1	9.1	6.5	6.5	3.9	2.6
87.5°	0.0	0.0	0.0	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)