

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: P527445

Luminaire Tested: **GALN-SA2C-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527445
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-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 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: 6168 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

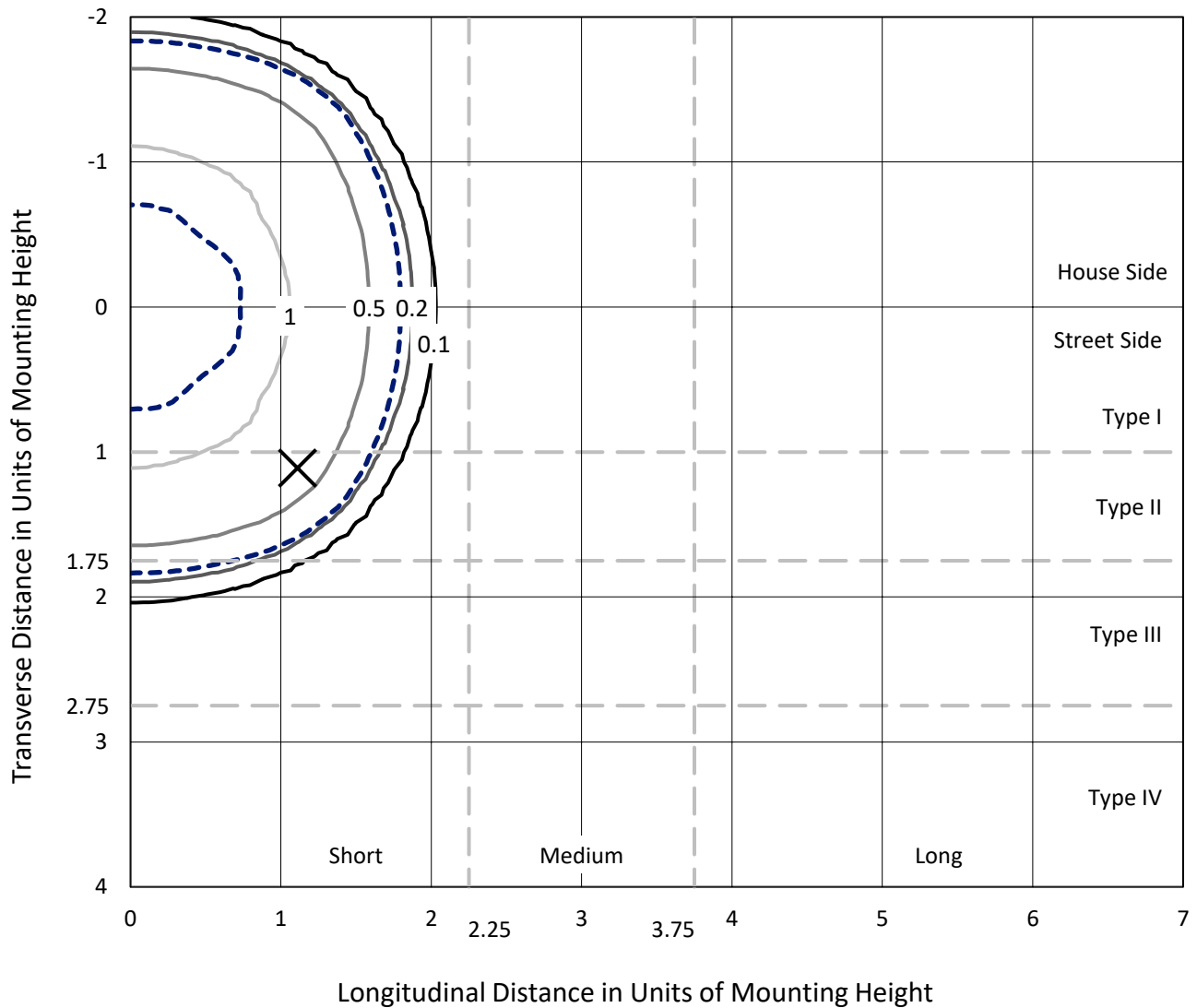
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

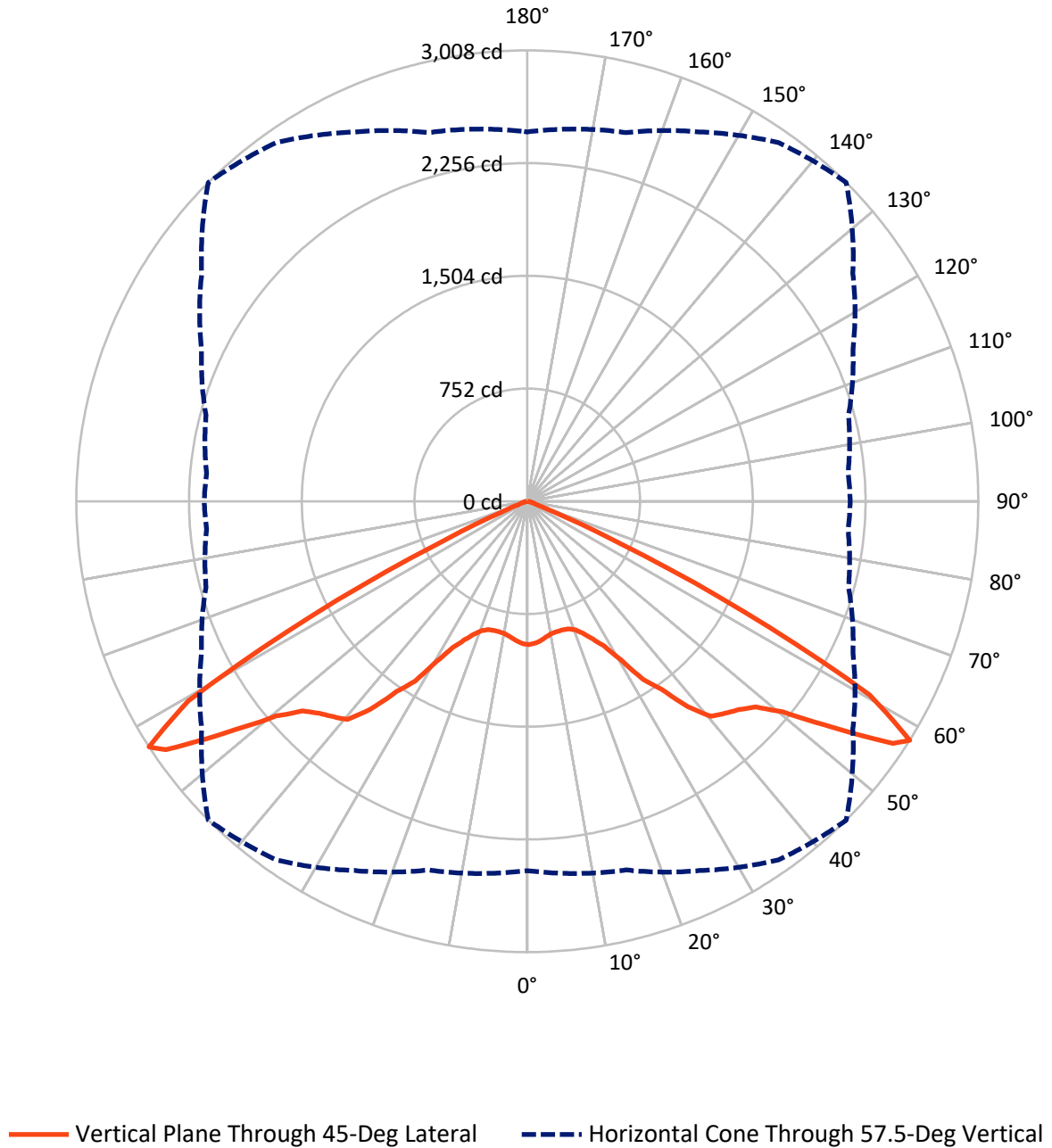
× Max cd
 - - - 1/2 Max cd



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





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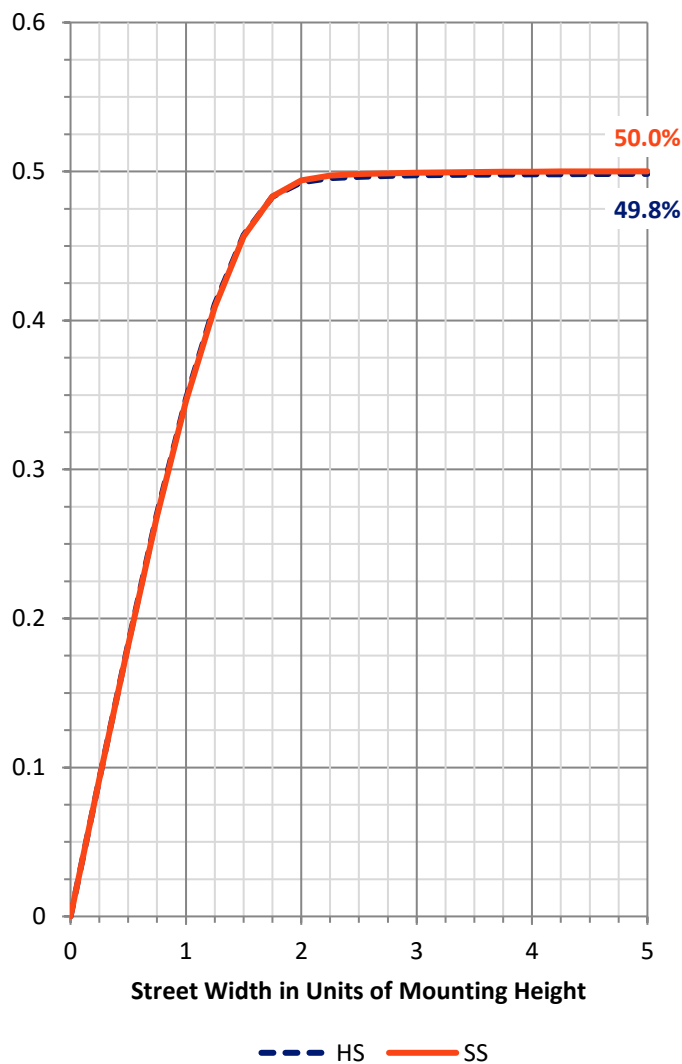
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3084.0	0.0	3084.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3084.0	0.0	3084.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6168.0	0.0	6168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.4
10°-20°	254.1	4.1
20°-30°	469.1	7.6
30°-40°	922.5	15.0
40°-50°	1502.5	24.4
50°-60°	2142.8	34.7
60°-70°	741.9	12.0
70°-80°	39.8	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°	6168.0	100.0
0°-180°	6168.0	100.0

Coefficient of Utilization

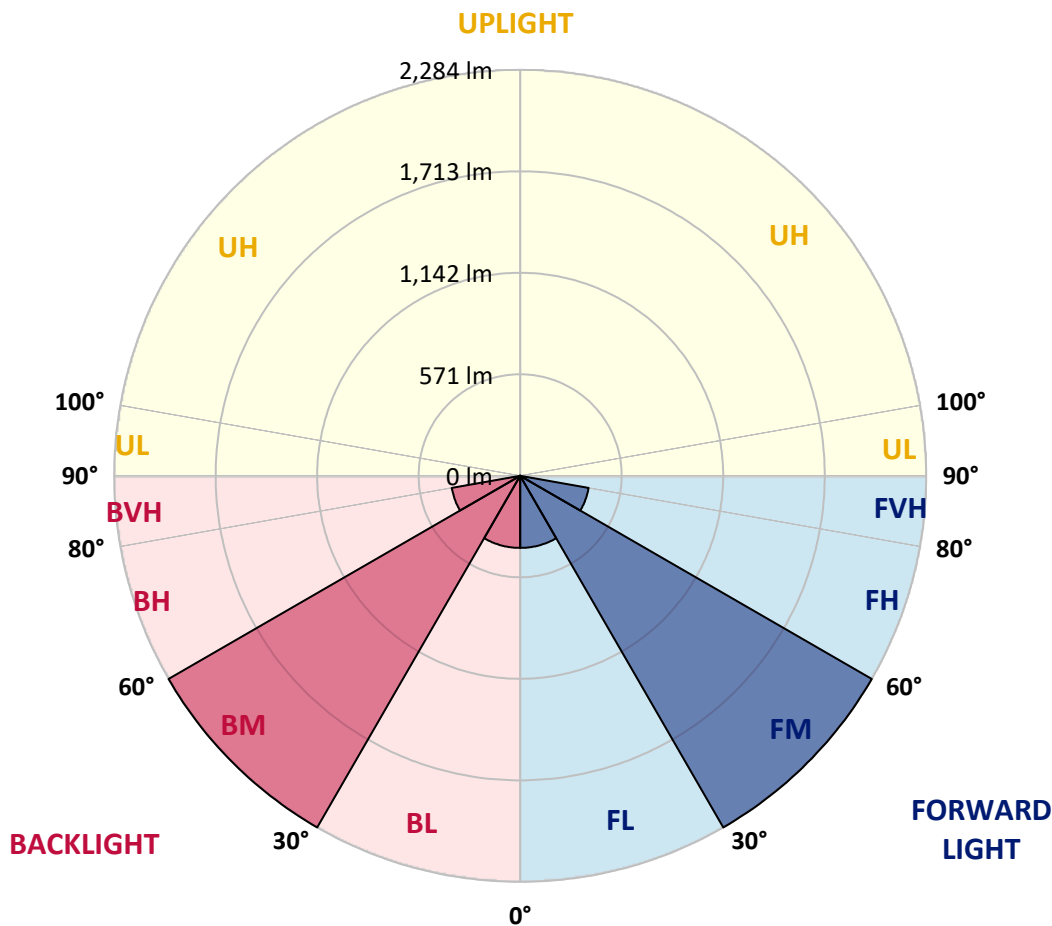


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	405.6	6.6			
FM (30°-60°)	2283.9	37.0			
FH (60°-80°)	390.8	6.3			G0/660
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	405.6	6.6	B1/500		
BM (30°-60°)	2283.9	37.0	B2/2500		
BH (60°-80°)	390.8	6.3	B1/500		G0/660
BVH (80°-90°)	3.7	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°	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7
2.5°	954.1	959.3	952.9	950.3	949.0	949.0	945.1	945.1	943.9	945.1	940.0
5°	938.7	943.9	943.9	942.6	934.9	933.6	929.7	927.1	928.4	923.3	927.1
7.5°	923.3	927.1	922.0	920.7	918.1	913.0	911.7	900.1	901.4	901.4	904.0
10°	920.7	919.4	911.7	905.3	897.6	896.3	892.4	889.9	889.9	888.6	892.4
12.5°	920.7	914.3	913.0	898.9	886.0	891.1	880.9	874.4	883.4	886.0	891.1
15°	919.4	925.9	904.0	897.6	888.6	889.9	880.9	874.4	879.6	882.1	886.0
17.5°	927.1	923.3	916.9	904.0	900.1	895.0	883.4	878.3	878.3	884.7	886.0
20°	947.7	937.4	924.6	918.1	922.0	915.6	901.4	882.1	887.3	892.4	896.3
22.5°	967.0	959.3	950.3	946.4	968.3	958.0	933.6	911.7	904.0	913.0	919.4
25°	1004.3	1004.3	987.6	992.7	1017.2	1018.4	990.2	951.6	946.4	950.3	952.9
27.5°	1080.2	1084.0	1069.9	1075.0	1085.3	1094.3	1069.9	1037.7	1026.2	1024.9	1028.7
30°	1162.5	1170.2	1168.9	1190.8	1220.3	1225.5	1189.5	1136.7	1102.0	1095.6	1100.7
32.5°	1270.5	1274.3	1271.8	1297.5	1377.2	1414.5	1320.6	1246.1	1199.8	1211.3	1199.8
35°	1473.7	1469.8	1441.5	1446.7	1512.2	1539.2	1449.2	1401.6	1379.8	1402.9	1397.8
37.5°	1648.5	1634.4	1611.3	1644.7	1712.8	1737.3	1643.4	1559.8	1520.0	1558.5	1575.2
40°	1796.4	1760.4	1728.3	1761.7	1853.0	1886.4	1748.8	1680.7	1665.3	1693.6	1729.6
42.5°	1921.2	1898.0	1855.6	1858.1	1918.6	1934.0	1823.4	1783.6	1768.1	1813.1	1831.1
45°	2009.9	1988.0	1948.2	1945.6	1991.9	1981.6	1882.6	1855.6	1864.6	1894.2	1903.2
47.5°	2054.9	2066.5	2043.3	2049.7	2074.2	2049.7	1971.3	1971.3	1950.7	1968.7	1959.7
50°	2184.8	2148.8	2178.3	2178.3	2204.1	2206.6	2128.2	2099.9	2044.6	2013.7	2013.7
52.5°	2336.5	2339.1	2350.7	2393.1	2436.8	2474.1	2362.2	2241.4	2148.8	2108.9	2103.8
55°	2461.2	2487.0	2533.3	2613.0	2739.0	2790.4	2597.6	2381.5	2268.4	2206.6	2193.8
56°	2529.4	2505.0	2584.7	2694.0	2858.6	2925.5	2636.1	2409.8	2285.1	2215.6	2214.3
57.5°	2463.8	2490.8	2546.1	2718.4	2920.3	3007.8	2650.3	2396.9	2218.2	2147.5	2153.9
60°	1945.6	1971.3	2045.9	2238.8	2555.1	2623.3	2242.6	1976.5	1817.0	1715.4	1716.7
62.5°	1100.7	1120.0	1177.9	1356.6	1553.4	1619.0	1397.8	1220.3	1109.7	1053.2	1035.2
65°	405.1	397.3	406.3	497.6	618.5	673.8	581.2	491.2	433.4	412.8	405.1
67.5°	151.7	140.2	131.2	140.2	176.2	186.5	171.0	142.7	133.7	137.6	140.2
70°	93.9	88.7	70.7	66.9	65.6	64.3	68.2	72.0	82.3	96.4	99.0
72.5°	65.6	61.7	50.2	47.6	45.0	43.7	50.2	55.3	64.3	74.6	75.9
75°	25.7	27.0	25.7	28.3	29.6	30.9	36.0	39.9	43.7	43.7	42.4
77.5°	5.1	5.1	7.7	10.3	12.9	16.7	24.4	28.3	29.6	28.3	24.4
80°	0.0	0.0	2.6	5.1	10.3	14.1	21.9	24.4	27.0	24.4	19.3
82.5°	0.0	0.0	2.6	6.4	10.3	12.9	20.6	25.7	29.6	27.0	20.6
85°	0.0	0.0	2.6	5.1	7.7	9.0	9.0	6.4	6.4	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)