

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: P646764

Luminaire Tested: **GALN-SA2C-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646764
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-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 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: 5774.6 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

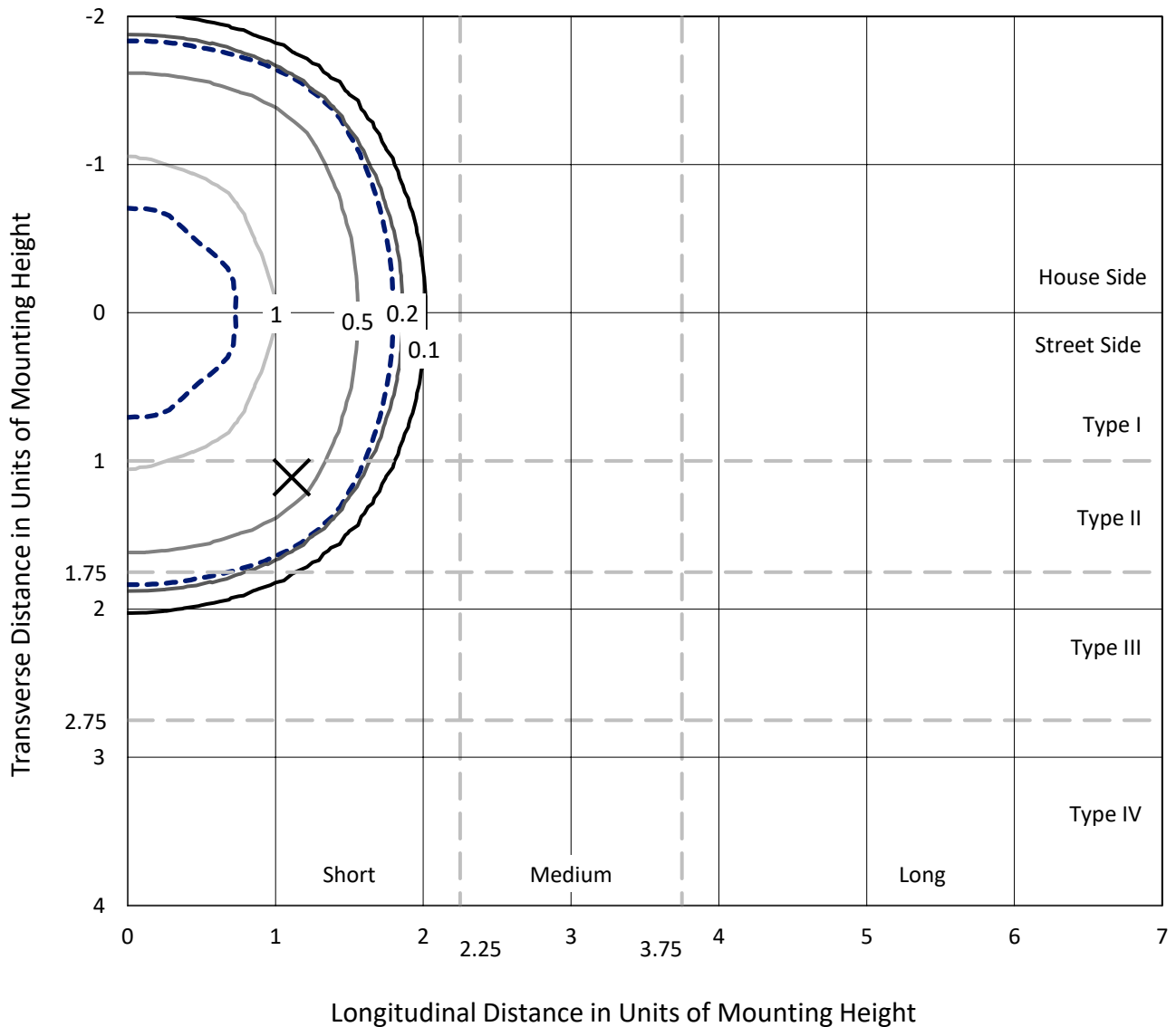
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

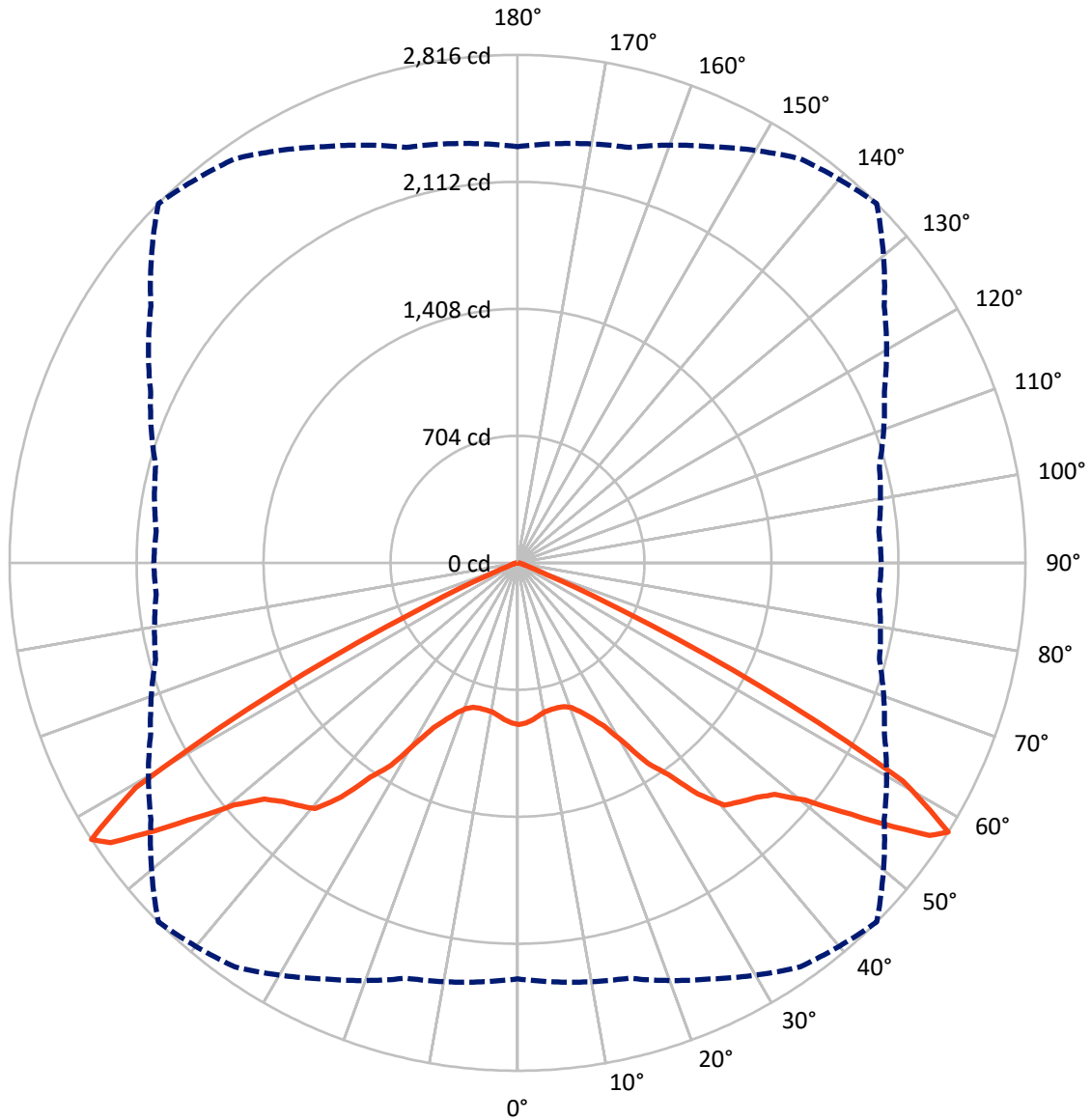
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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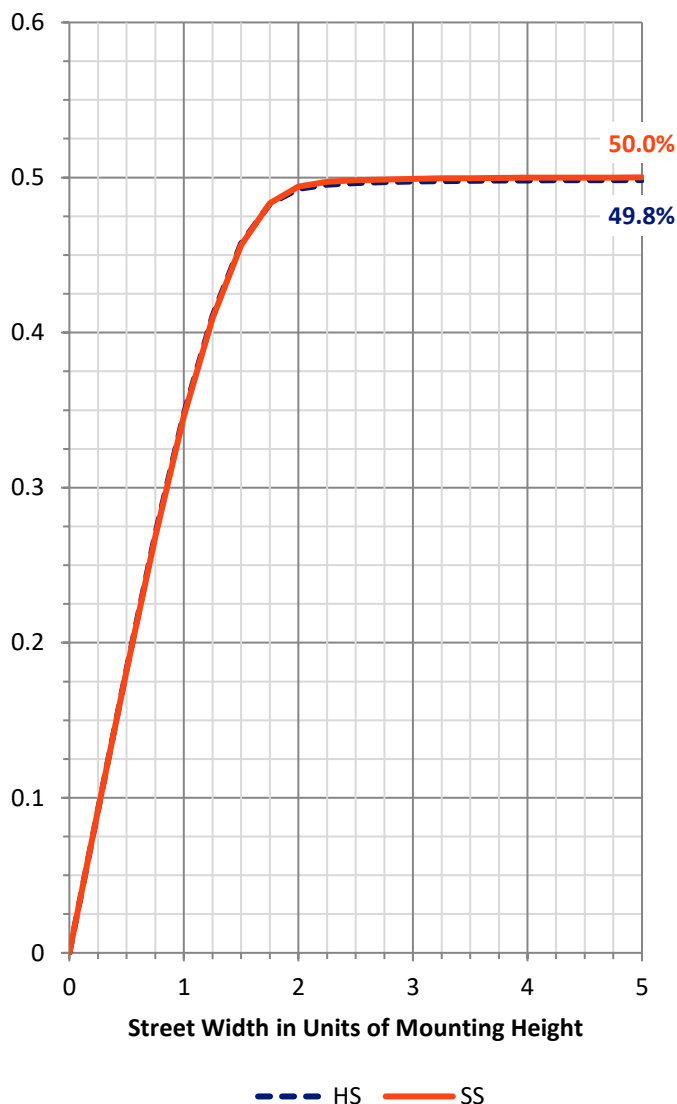
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2887.3	0.0	2887.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2887.3	0.0	2887.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5774.6	0.0	5774.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	1.4
10°-20°	237.9	4.1
20°-30°	439.2	7.6
30°-40°	863.7	15.0
40°-50°	1406.7	24.4
50°-60°	2006.1	34.7
60°-70°	694.6	12.0
70°-80°	37.3	0.6
80°-90°	7.0	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°	5774.6	100.0
0°-180°	5774.6	100.0

Coefficient of Utilization

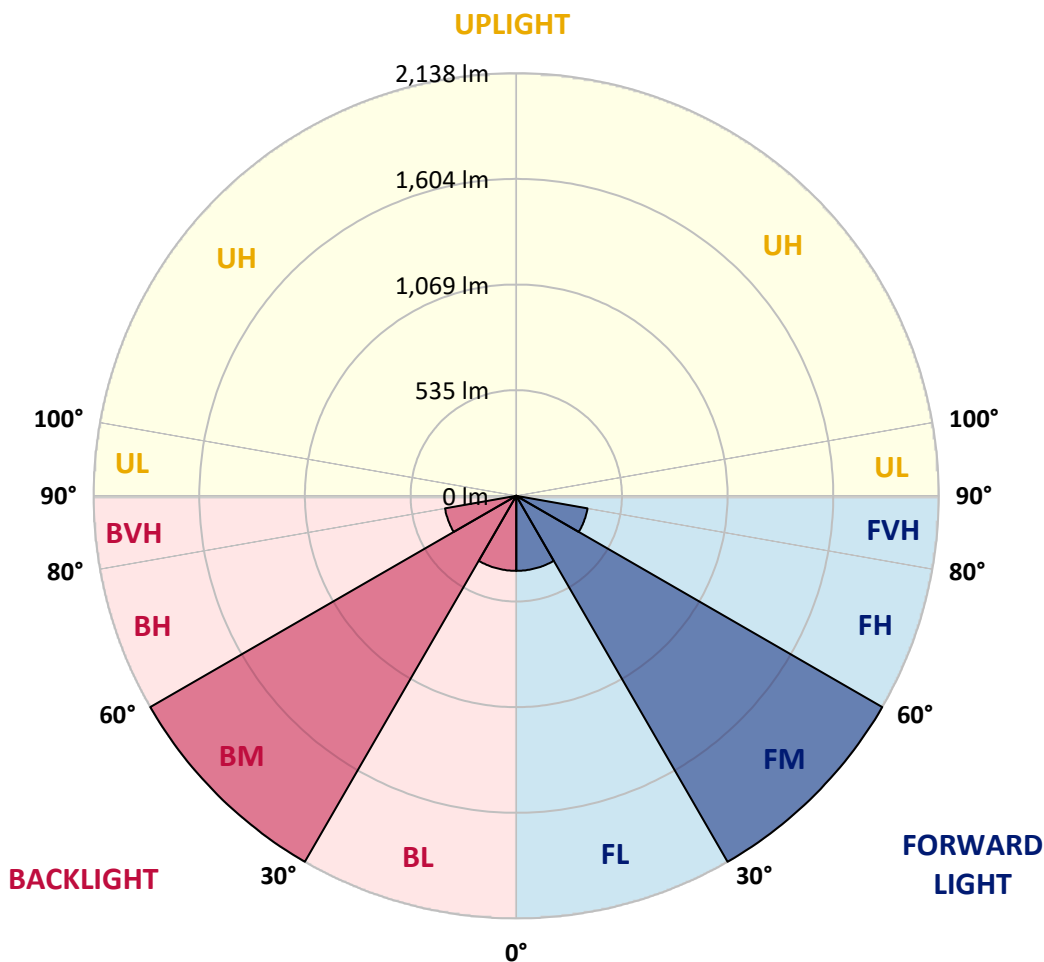


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.7	6.6			
FM (30°-60°)	2138.2	37.0			
FH (60°-80°)	365.9	6.3			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	379.7	6.6	B1/500		
BM (30°-60°)	2138.2	37.0	B2/2500		
BH (60°-80°)	365.9	6.3	B1/500		G0/660
BVH (80°-90°)	3.5	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°	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7
2.5°	893.3	898.1	892.1	889.7	888.5	888.5	884.9	884.9	883.7	884.9	880.1
5°	878.8	883.7	883.7	882.4	875.2	874.1	870.5	868.0	869.2	864.4	868.0
7.5°	864.4	868.0	863.2	862.0	859.6	854.8	853.5	842.7	843.9	843.9	846.3
10°	862.0	860.8	853.5	847.5	840.3	839.1	835.5	833.1	833.1	831.9	835.5
12.5°	862.0	856.0	854.8	841.5	829.5	834.3	824.7	818.6	827.1	829.5	834.3
15°	860.8	866.8	846.3	840.3	831.9	833.1	824.7	818.6	823.5	825.9	829.5
17.5°	868.0	864.4	858.4	846.3	842.7	837.9	827.1	822.2	822.2	828.3	829.5
20°	887.3	877.7	865.6	859.6	863.2	857.2	843.9	825.9	830.7	835.5	839.1
22.5°	905.3	898.1	889.7	886.0	906.6	896.9	874.1	853.5	846.3	854.8	860.8
25°	940.2	940.2	924.6	929.4	952.3	953.5	927.0	890.9	886.0	889.7	892.1
27.5°	1011.2	1014.9	1001.6	1006.5	1016.1	1024.6	1001.6	971.5	960.7	959.5	963.1
30°	1088.3	1095.6	1094.3	1114.8	1142.5	1147.3	1113.6	1064.3	1031.8	1025.7	1030.5
32.5°	1189.5	1193.1	1190.6	1214.7	1289.4	1324.3	1236.4	1166.6	1123.2	1134.1	1123.2
35°	1379.6	1376.0	1349.6	1354.4	1415.8	1441.1	1356.8	1312.2	1291.8	1313.5	1308.6
37.5°	1543.4	1530.1	1508.5	1539.8	1603.6	1626.4	1538.6	1460.4	1423.0	1459.1	1474.8
40°	1681.9	1648.1	1618.1	1649.3	1734.8	1766.1	1637.3	1573.5	1559.0	1585.6	1619.2
42.5°	1798.6	1776.9	1737.2	1739.7	1796.2	1810.7	1707.2	1669.8	1655.3	1697.5	1714.4
45°	1881.7	1861.3	1823.9	1821.5	1864.9	1855.2	1762.5	1737.2	1745.7	1773.3	1781.8
47.5°	1923.8	1934.6	1913.0	1919.1	1941.9	1919.1	1845.6	1845.6	1826.3	1843.2	1834.7
50°	2045.4	2011.8	2039.4	2039.4	2063.5	2065.9	1992.5	1966.0	1914.2	1885.3	1885.3
52.5°	2187.5	2189.9	2200.7	2240.5	2281.4	2316.3	2211.6	2098.4	2011.8	1974.4	1969.6
55°	2304.3	2328.3	2371.7	2446.3	2564.3	2612.5	2431.9	2229.6	2123.7	2065.9	2053.9
56°	2368.1	2345.2	2419.9	2522.2	2676.3	2738.9	2468.0	2256.1	2139.3	2074.3	2073.1
57.5°	2306.7	2331.9	2383.8	2545.1	2734.1	2815.9	2481.2	2244.1	2076.8	2010.5	2016.5
60°	1821.5	1845.6	1915.4	2096.0	2392.1	2456.0	2099.6	1850.4	1701.1	1606.0	1607.2
62.5°	1030.5	1048.6	1102.8	1270.1	1454.3	1515.7	1308.6	1142.5	1039.0	986.0	969.1
65°	379.2	372.0	380.5	465.9	579.1	630.9	544.2	459.9	405.8	386.5	379.2
67.5°	142.0	131.2	122.8	131.2	164.9	174.5	160.1	133.7	125.2	128.8	131.2
70°	87.9	83.1	66.2	62.6	61.4	60.2	63.8	67.4	77.0	90.3	92.7
72.5°	61.4	57.8	47.0	44.6	42.1	41.0	47.0	51.8	60.2	69.8	71.0
75°	24.1	25.3	24.1	26.5	27.7	28.9	33.7	37.3	41.0	41.0	39.7
77.5°	4.9	4.9	7.2	9.6	12.1	15.7	22.9	26.5	27.7	26.5	22.9
80°	0.0	0.0	2.4	4.9	9.6	13.2	20.4	22.9	25.3	22.9	18.1
82.5°	0.0	0.0	2.4	6.0	9.6	12.1	19.3	24.1	27.7	25.3	19.3
85°	0.0	0.0	2.4	4.9	7.2	8.5	8.5	6.0	6.0	3.6	2.4
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)