

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: P385988

Luminaire Tested: **GWC-SA1C-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1C-760-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7955 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

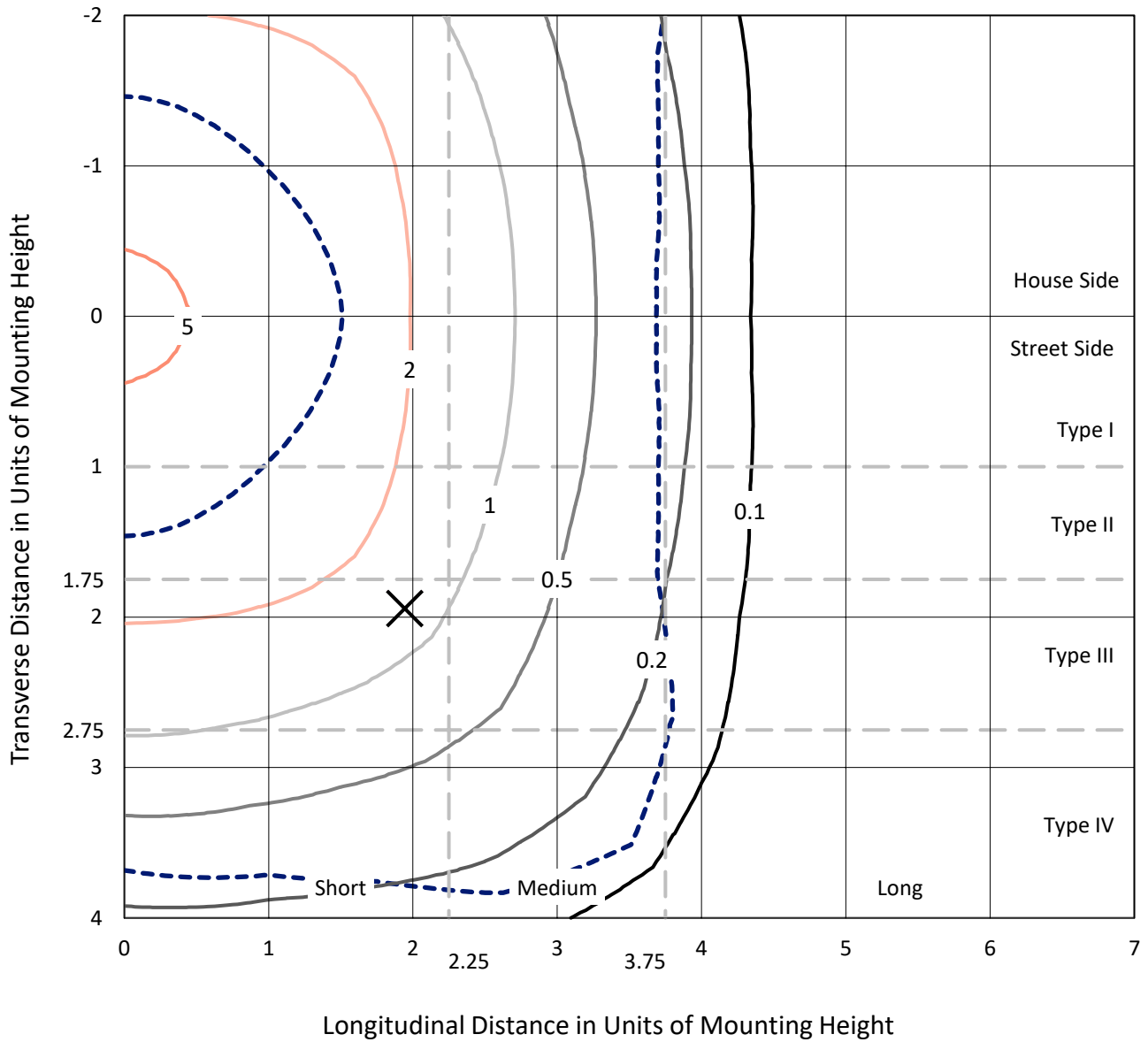
Input Watts (W): 59
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

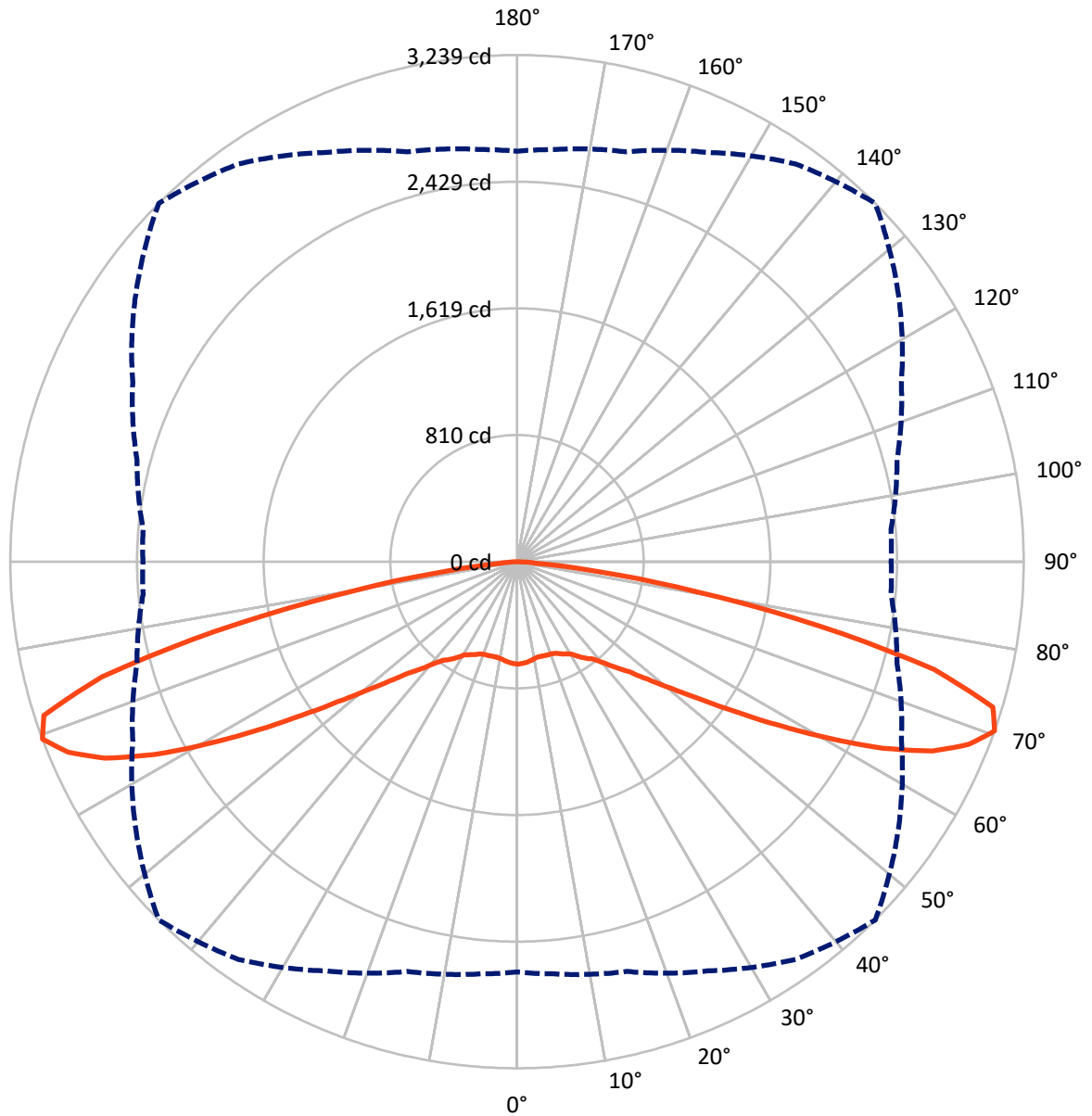
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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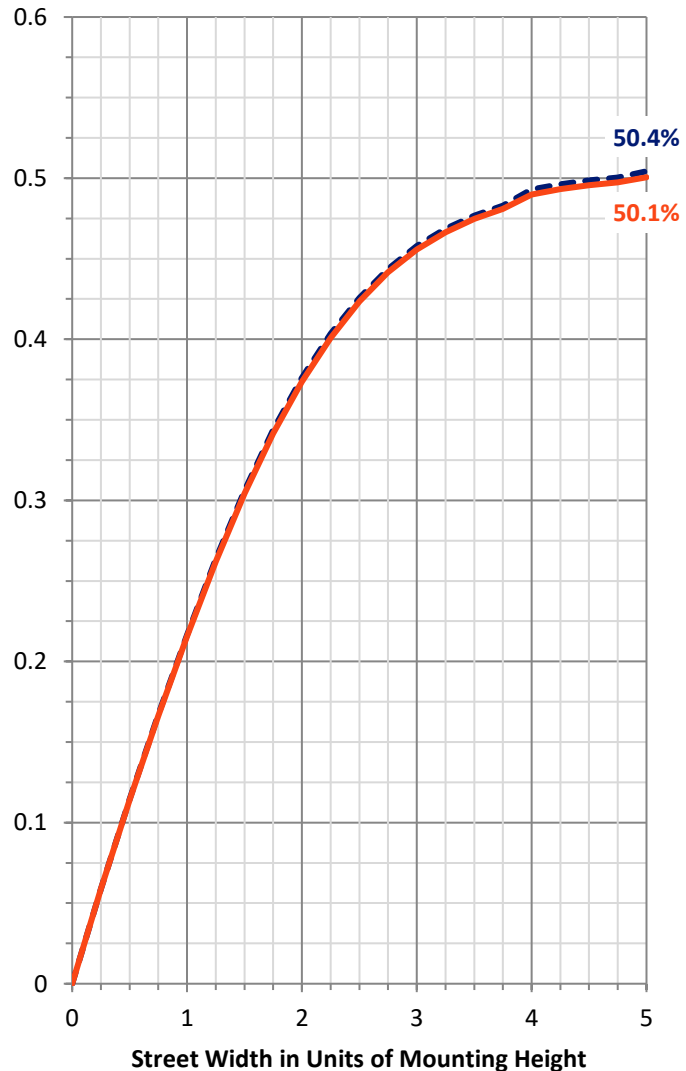
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3977.5	0.0	3977.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3977.5	0.0	3977.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7955.0	0.0	7955.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	0.8
10°-20°	178.5	2.2
20°-30°	304.3	3.8
30°-40°	475.5	6.0
40°-50°	805.9	10.1
50°-60°	1469.6	18.5
60°-70°	2530.0	31.8
70°-80°	1983.1	24.9
80°-90°	147.0	1.8
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°	7955.0	100.0
0°-180°	7955.0	100.0



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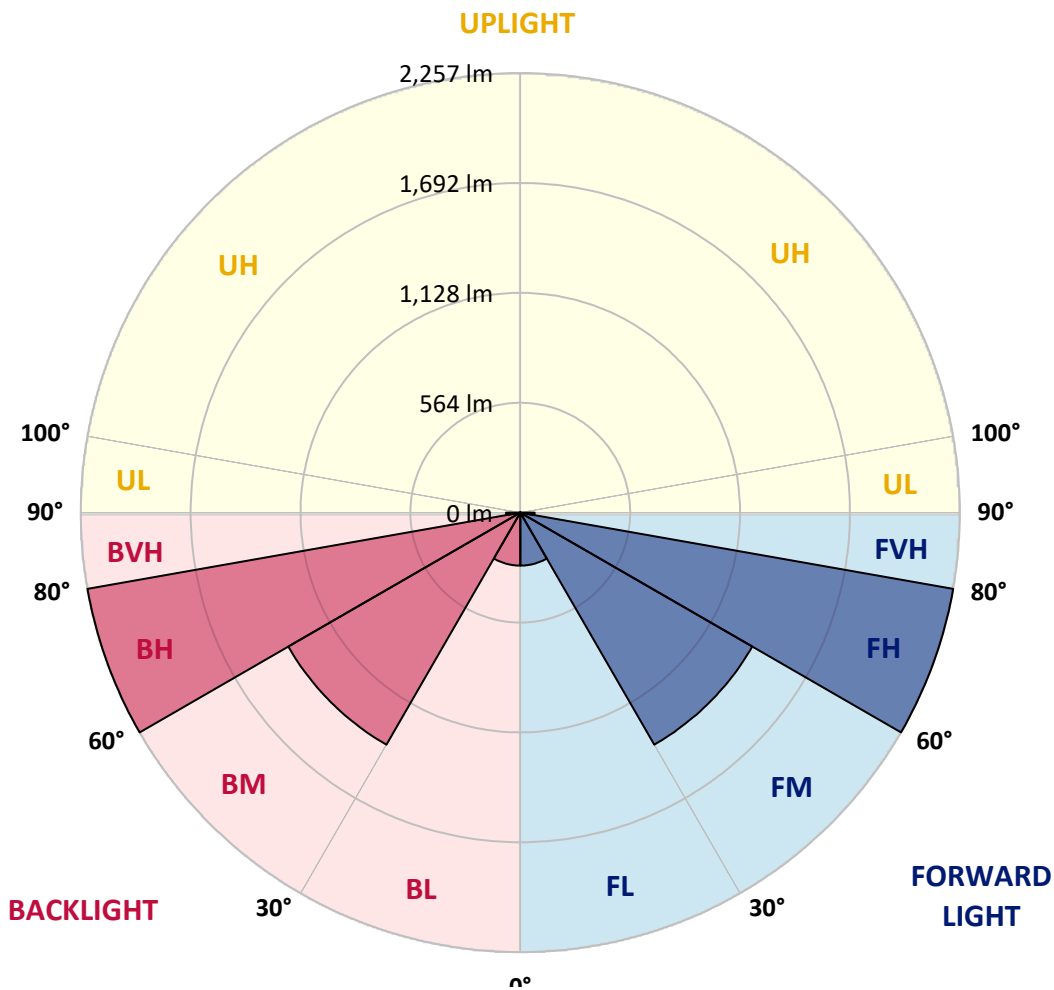
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.0	3.4			
FM (30°-60°)	1375.5	17.3			
FH (60°-80°)	2256.5	28.4			G2/5000
FVH (80°-90°)	73.5	0.9			G1/100
BL (0°-30°)	272.0	3.4	B1/500		
BM (30°-60°)	1375.5	17.3	B2/2500		
BH (60°-80°)	2256.5	28.4	B3/2500		G2/5000
BVH (80°-90°)	73.5	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	654.7	654.7	654.7	654.7	654.7	654.7	654.7	654.7	654.7	654.7	654.7
2.5°	651.8	652.6	651.8	652.3	651.0	651.5	651.5	651.5	651.3	651.5	651.0
5°	646.0	646.5	645.5	646.0	645.2	646.0	646.3	646.0	645.5	645.8	644.7
7.5°	637.3	637.9	637.1	637.9	636.8	638.1	637.9	637.1	636.3	636.3	635.2
10°	632.6	632.9	630.8	630.0	627.6	628.1	628.9	629.7	630.5	632.1	631.8
12.5°	632.9	632.9	629.7	626.3	622.9	623.6	625.0	627.9	631.0	633.9	634.2
15°	635.5	635.2	630.5	625.0	622.6	625.0	625.8	627.6	632.6	637.6	637.9
17.5°	637.3	637.3	630.0	623.6	623.4	627.1	626.8	627.6	633.1	640.5	640.8
20°	640.8	640.8	631.3	624.4	624.4	628.4	628.6	630.0	635.5	643.6	645.0
22.5°	648.4	648.6	638.6	633.1	633.6	636.0	636.8	638.9	643.9	652.9	654.4
25°	659.2	659.7	649.4	646.3	648.1	652.6	652.1	653.6	659.2	667.9	669.4
27.5°	674.2	672.9	663.4	662.1	663.9	667.1	666.8	667.1	671.5	679.4	681.3
30°	693.6	693.1	686.3	687.1	686.3	685.2	685.5	687.6	690.0	696.3	698.1
32.5°	712.6	713.1	708.9	712.9	718.6	722.6	716.5	710.7	708.1	711.5	713.1
35°	746.8	748.1	741.5	738.9	746.8	758.4	741.3	731.8	737.1	741.5	742.9
37.5°	805.0	805.7	794.7	784.2	778.4	789.4	772.3	773.1	791.5	800.0	799.7
40°	871.3	871.5	864.2	854.9	844.9	847.6	840.7	842.8	854.9	862.6	864.7
42.5°	950.2	949.4	937.8	924.7	921.8	924.4	912.8	911.3	925.2	938.9	939.2
45°	1052.6	1050.7	1035.7	1021.3	1007.3	1001.5	998.6	1006.3	1025.5	1038.1	1038.4
47.5°	1162.8	1157.8	1149.9	1138.4	1126.2	1120.5	1115.7	1119.4	1133.4	1138.4	1138.9
50°	1276.2	1277.3	1278.9	1274.4	1269.9	1268.1	1255.7	1248.6	1252.8	1243.6	1242.3
52.5°	1410.7	1412.8	1428.1	1441.0	1448.6	1452.5	1429.1	1404.7	1391.0	1373.1	1367.8
55°	1569.4	1572.8	1595.2	1631.0	1667.8	1687.3	1644.9	1599.1	1556.7	1523.3	1512.5
57.5°	1746.2	1752.3	1783.1	1851.7	1927.3	1973.3	1901.7	1818.6	1736.7	1688.6	1680.2
60°	1953.6	1959.4	2002.0	2100.4	2222.8	2292.0	2183.6	2047.5	1945.7	1899.6	1884.1
62.5°	2200.4	2200.9	2253.3	2368.3	2529.8	2626.2	2479.3	2297.5	2192.5	2137.0	2122.0
65°	2465.9	2467.2	2521.4	2645.6	2812.7	2917.5	2751.7	2562.2	2433.8	2352.0	2340.4
67.5°	2653.5	2659.1	2716.2	2865.6	3021.9	3116.4	2944.8	2730.6	2582.2	2484.6	2474.9
70°	2623.5	2645.1	2712.2	2886.7	3104.0	3238.8	2976.1	2710.6	2514.8	2399.6	2391.4
72.5°	2288.0	2329.3	2418.8	2647.7	2995.3	3180.9	2805.4	2427.7	2206.2	2108.0	2093.3
75°	1558.1	1625.2	1760.2	2090.4	2559.1	2754.0	2361.7	1935.7	1727.3	1591.5	1581.5
77.5°	694.7	710.0	881.0	1261.2	1765.9	1977.8	1715.9	1266.2	950.5	758.1	717.6
80°	193.7	196.0	261.6	469.7	883.9	1162.0	948.9	493.4	277.4	195.5	184.2
82.5°	61.6	66.8	81.6	121.8	297.1	530.2	305.0	131.6	93.7	74.7	67.4
85°	30.0	29.7	41.3	49.5	75.8	117.4	80.8	61.0	53.4	35.5	32.1
87.5°	12.6	12.9	19.2	17.4	22.1	18.9	26.1	27.4	28.7	15.8	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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