

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: P385932

Luminaire Tested: **GWC-SA1C-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385932
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-735-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7473.9 lumens
Efficiency: N/A
Efficacy: 126.7 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 (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



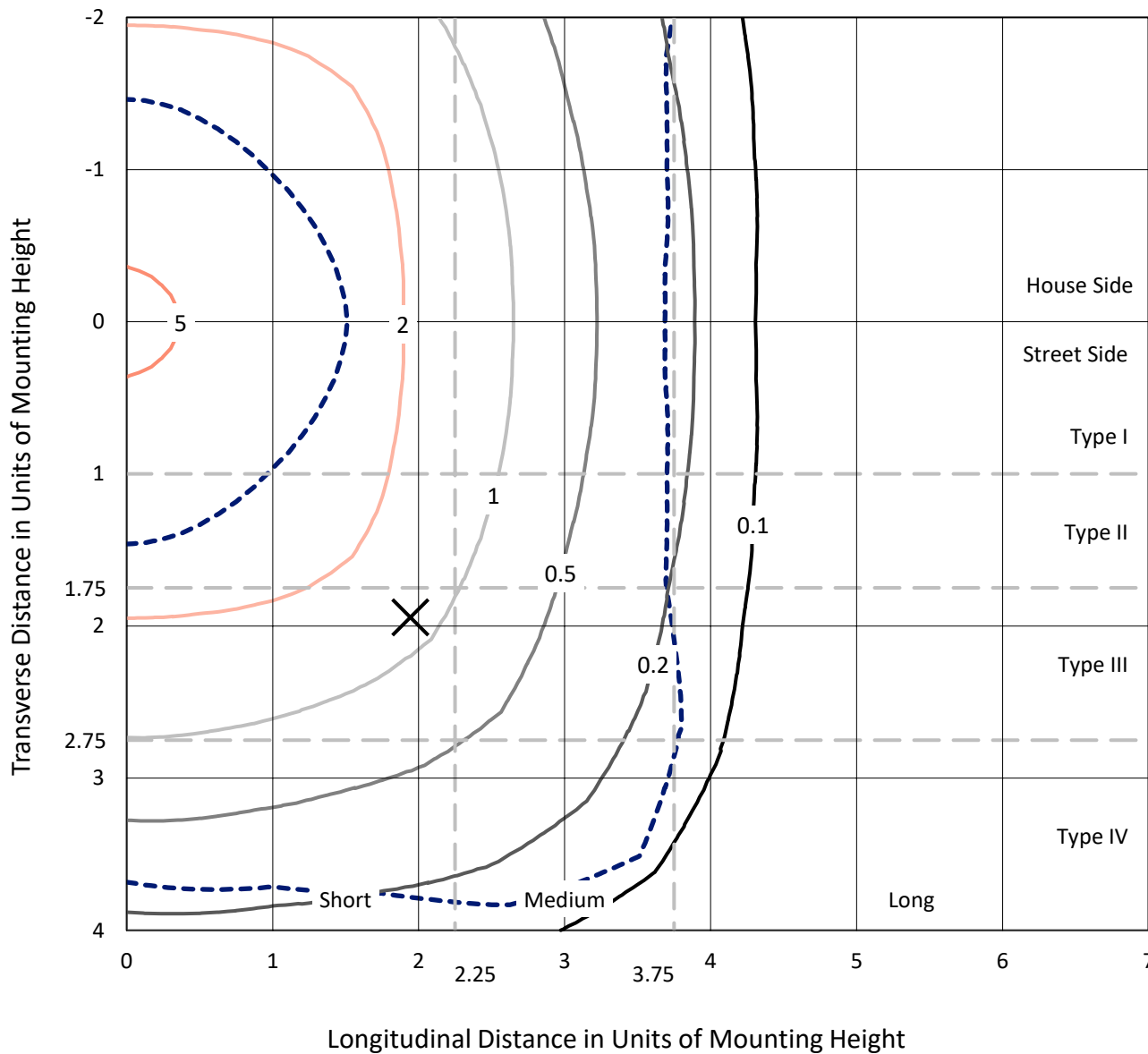
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

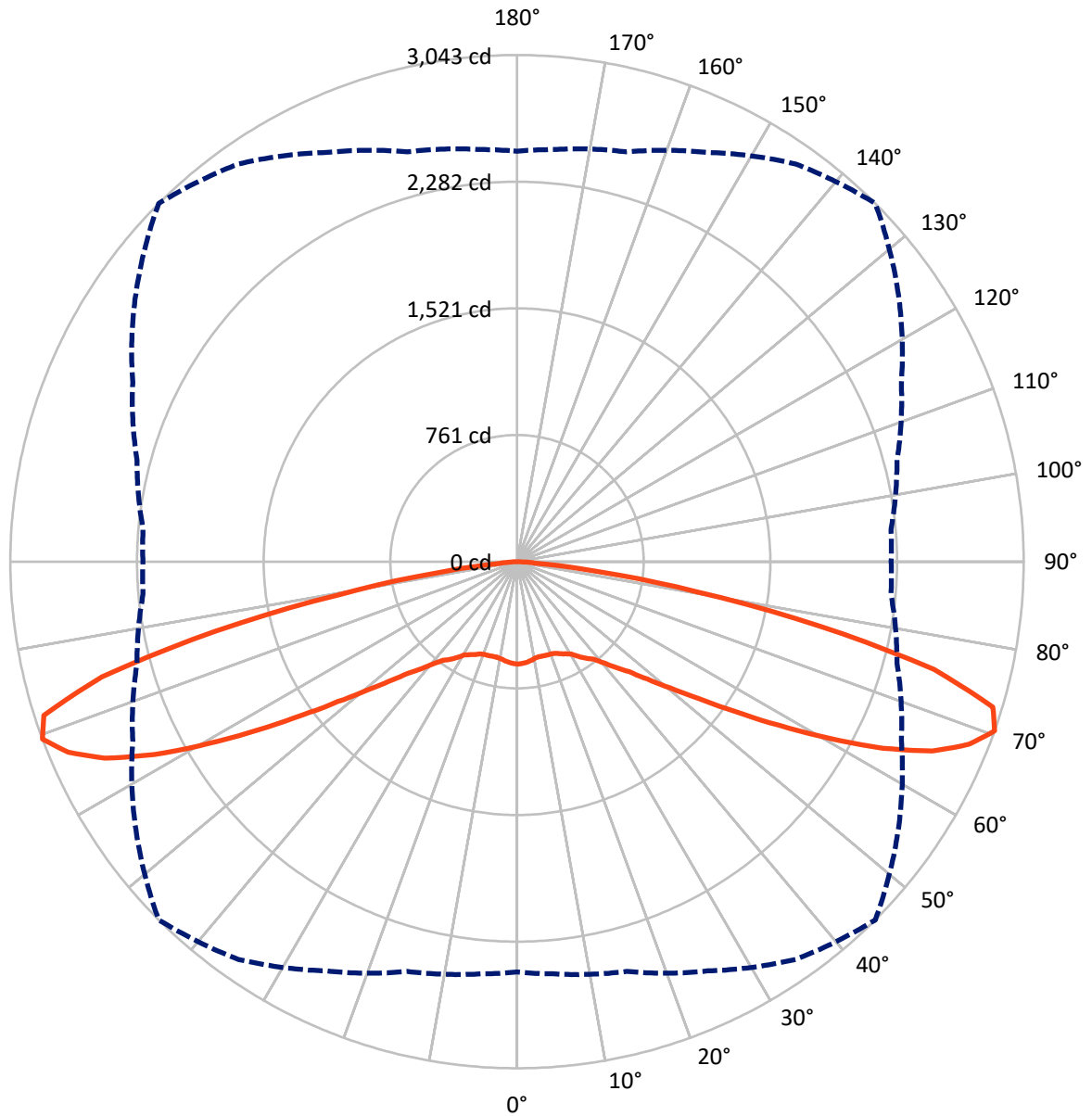


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc

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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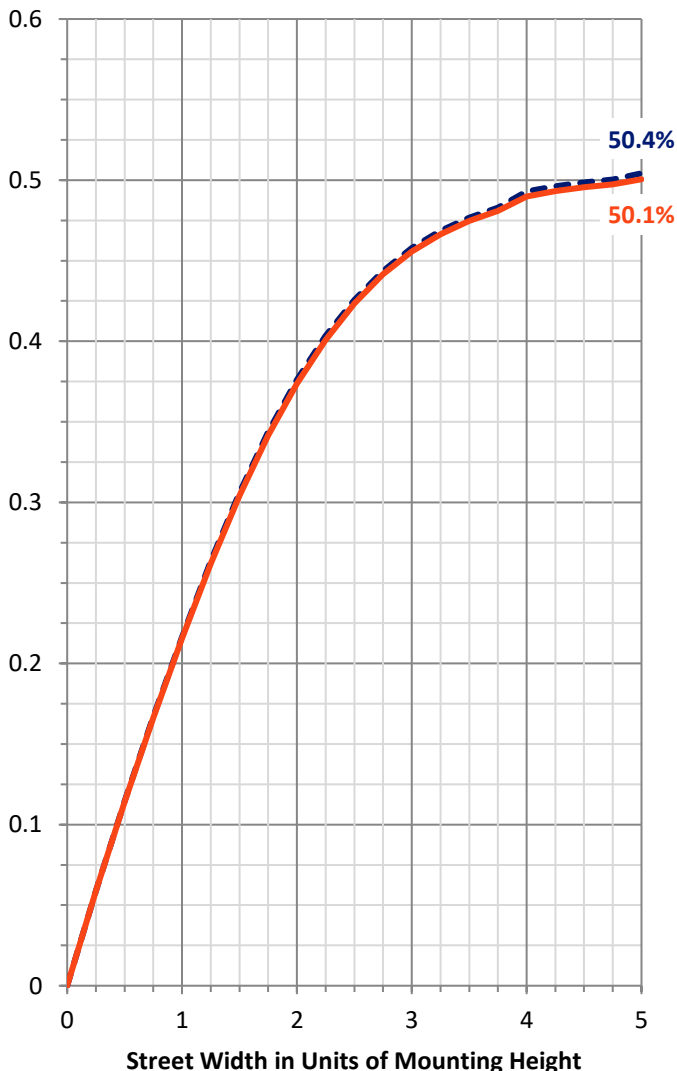
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3736.9	0.0	3736.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3736.9	0.0	3736.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7473.9	0.0	7473.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	0.8
10°-20°	167.7	2.2
20°-30°	285.9	3.8
30°-40°	446.7	6.0
40°-50°	757.1	10.1
50°-60°	1380.7	18.5
60°-70°	2377.0	31.8
70°-80°	1863.2	24.9
80°-90°	138.2	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°	7473.9	100.0
0°-180°	7473.9	100.0



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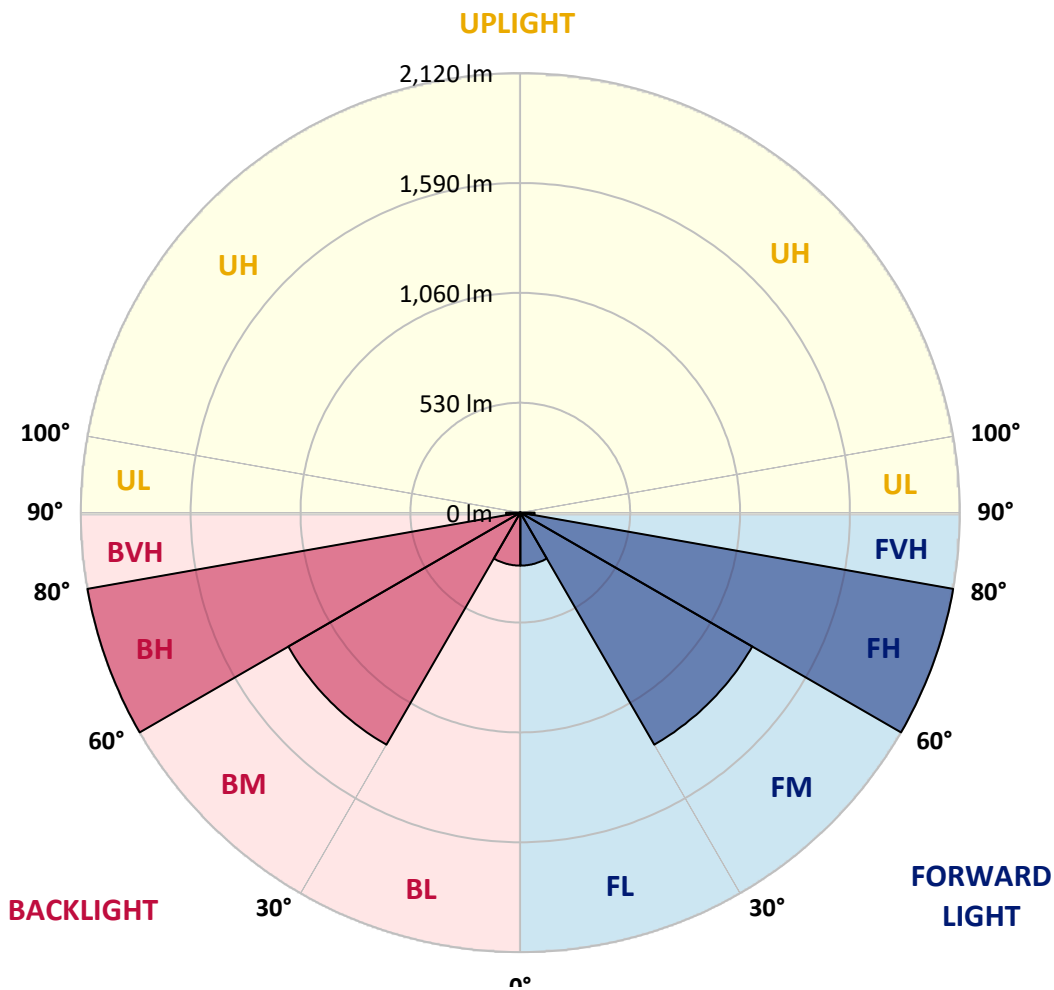
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.5	3.4			
FM (30°-60°)	1292.3	17.3			
FH (60°-80°)	2120.1	28.4			G2/5000
FVH (80°-90°)	69.1	0.9			G1/100
BL (0°-30°)	255.5	3.4	B1/500		
BM (30°-60°)	1292.3	17.3	B2/2500		
BH (60°-80°)	2120.1	28.4	B3/2500		G2/5000
BVH (80°-90°)	69.1	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°	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1
2.5°	612.4	613.1	612.4	612.9	611.6	612.1	612.1	612.1	611.9	612.1	611.6
5°	606.9	607.4	606.5	606.9	606.2	606.9	607.2	606.9	606.5	606.7	605.7
7.5°	598.8	599.2	598.5	599.2	598.3	599.5	599.2	598.5	597.8	597.8	596.8
10°	594.4	594.5	592.6	591.8	589.7	590.1	590.9	591.6	592.4	593.8	593.6
12.5°	594.5	594.5	591.6	588.4	585.1	585.9	587.1	589.8	592.9	595.6	595.9
15°	597.1	596.8	592.4	587.1	585.0	587.1	587.9	589.7	594.4	599.1	599.2
17.5°	598.8	598.8	591.8	585.9	585.7	589.1	588.9	589.7	594.8	601.8	602.0
20°	602.0	602.0	593.1	586.7	586.7	590.4	590.6	591.8	597.1	604.7	605.9
22.5°	609.2	609.4	600.0	594.8	595.3	597.5	598.3	600.3	605.0	613.3	614.8
25°	619.3	619.8	610.1	607.2	608.9	613.1	612.6	614.1	619.3	627.4	628.9
27.5°	633.4	632.1	623.3	622.0	623.8	626.7	626.5	626.7	630.9	638.3	640.1
30°	651.7	651.2	644.8	645.6	644.8	643.8	644.0	646.0	648.2	654.2	655.9
32.5°	669.5	670.0	666.0	669.7	675.1	678.9	673.2	667.7	665.3	668.5	670.0
35°	701.6	702.9	696.7	694.2	701.6	712.5	696.5	687.5	692.5	696.7	697.9
37.5°	756.3	757.0	746.6	736.8	731.3	741.7	725.6	726.3	743.6	751.6	751.3
40°	818.6	818.8	811.9	803.3	793.9	796.3	789.8	791.9	803.3	810.4	812.4
42.5°	892.7	892.0	881.2	868.8	866.0	868.5	857.7	856.2	869.2	882.1	882.4
45°	988.9	987.2	973.1	959.5	946.3	940.9	938.2	945.4	963.4	975.3	975.6
47.5°	1092.5	1087.8	1080.4	1069.5	1058.1	1052.7	1048.3	1051.7	1064.8	1069.5	1070.0
50°	1199.0	1200.1	1201.5	1197.4	1193.1	1191.3	1179.8	1173.1	1177.1	1168.4	1167.2
52.5°	1325.4	1327.4	1341.7	1353.8	1361.0	1364.7	1342.7	1319.7	1306.8	1290.0	1285.1
55°	1474.5	1477.7	1498.7	1532.3	1566.9	1585.2	1545.4	1502.4	1462.5	1431.2	1421.0
57.5°	1640.6	1646.3	1675.2	1739.8	1810.7	1854.0	1786.7	1708.6	1631.7	1586.4	1578.6
60°	1835.4	1840.8	1880.9	1973.4	2088.3	2153.4	2051.4	1923.7	1828.0	1784.8	1770.1
62.5°	2067.3	2067.8	2117.0	2225.0	2376.9	2467.3	2329.3	2158.5	2059.9	2007.7	1993.6
65°	2316.7	2318.0	2368.9	2485.6	2642.6	2741.0	2585.2	2407.2	2286.6	2209.7	2198.8
67.5°	2493.1	2498.2	2551.9	2692.3	2839.1	2927.9	2766.7	2565.5	2426.0	2334.3	2325.2
70°	2464.9	2485.1	2548.1	2712.0	2916.3	3042.9	2796.1	2546.7	2362.8	2254.5	2246.7
72.5°	2149.6	2188.4	2272.5	2487.6	2814.1	2988.5	2635.7	2280.9	2072.8	1980.5	1966.7
75°	1463.9	1526.9	1653.7	1964.0	2404.3	2587.5	2218.8	1818.6	1622.8	1495.2	1485.8
77.5°	652.7	667.0	827.7	1185.0	1659.2	1858.1	1612.2	1189.6	893.0	712.2	674.2
80°	182.0	184.2	245.7	441.3	830.4	1091.8	891.5	463.6	260.6	183.7	173.0
82.5°	57.9	62.8	76.7	114.5	279.1	498.2	286.5	123.6	88.0	70.2	63.3
85°	28.2	27.9	38.8	46.5	71.2	110.3	75.9	57.4	50.2	33.3	30.2
87.5°	11.8	12.1	18.0	16.3	20.8	17.8	24.5	25.7	27.0	14.8	12.9
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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