

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: P385594

Luminaire Tested: **GWC-SA1A-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-830-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4154 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

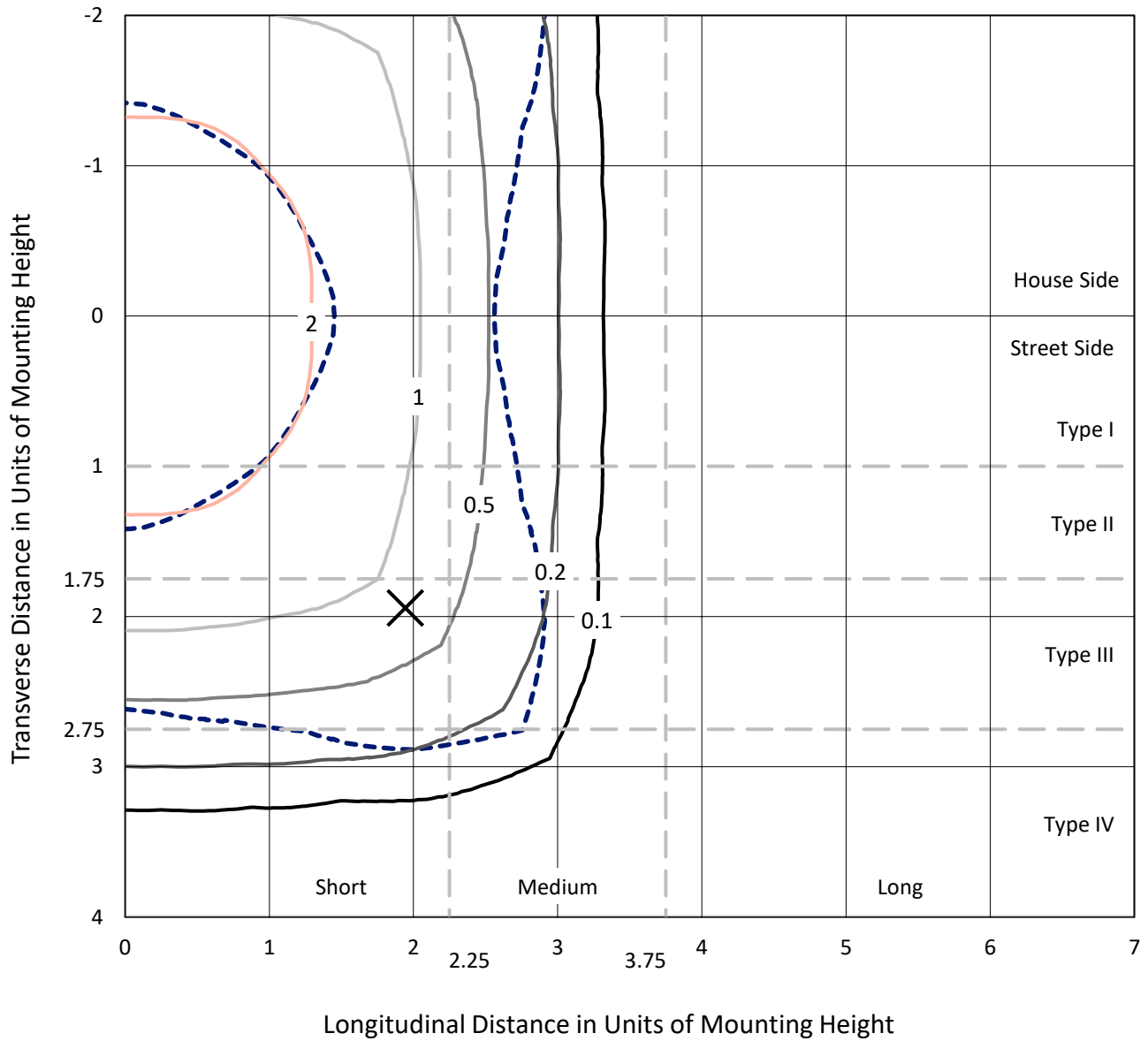
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

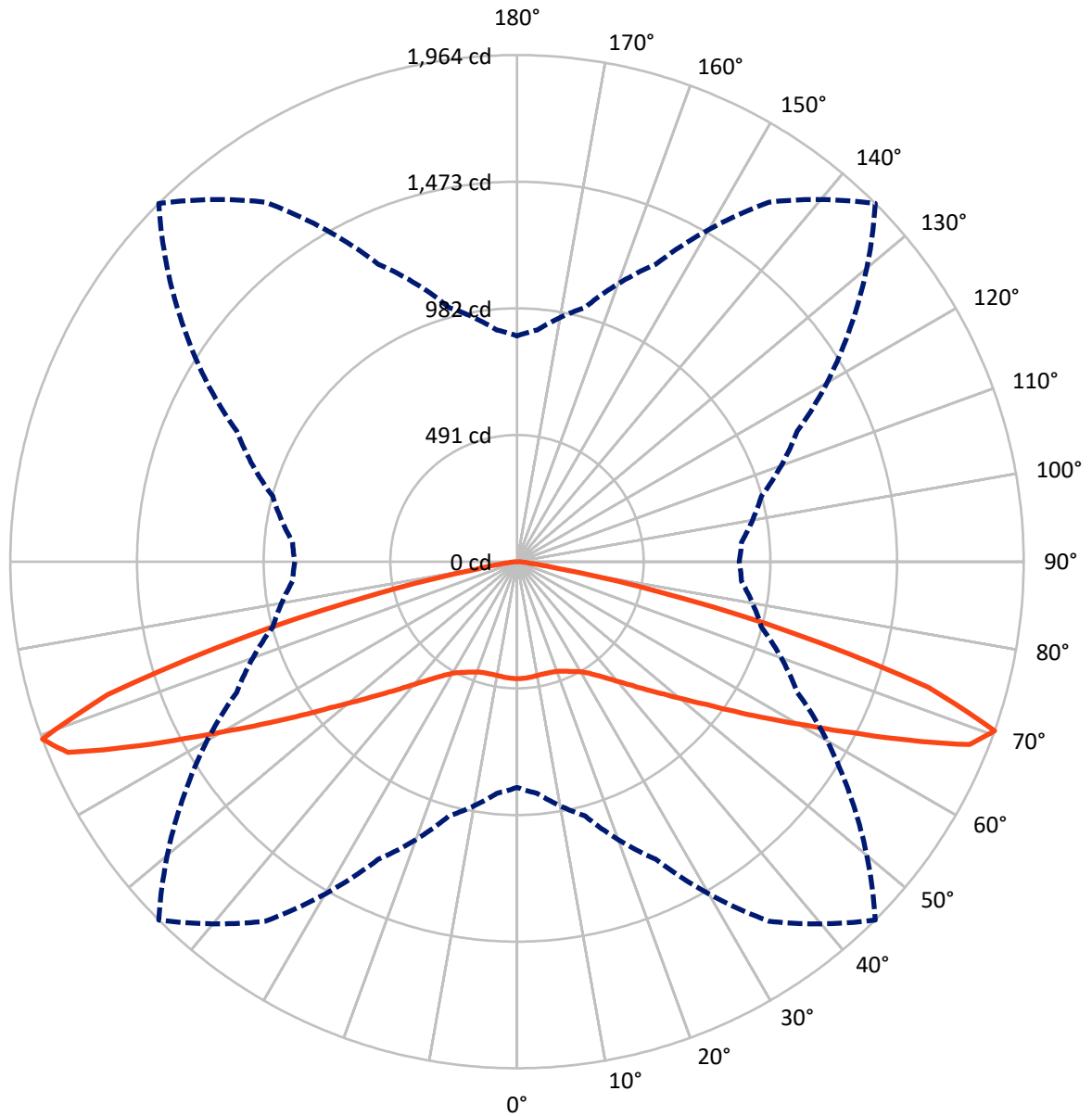
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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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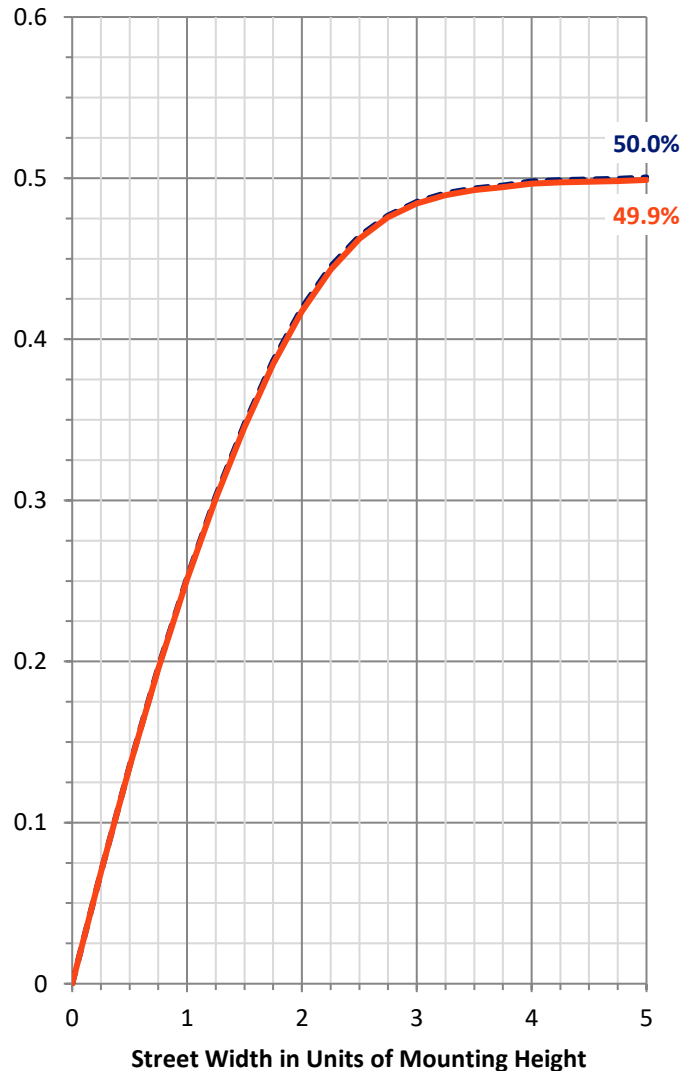
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2077.0	0.0	2077.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2077.0	0.0	2077.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4154.0	0.0	4154.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	1.0
10°-20°	126.1	3.0
20°-30°	214.7	5.2
30°-40°	340.6	8.2
40°-50°	554.2	13.3
50°-60°	913.8	22.0
60°-70°	1341.5	32.3
70°-80°	593.2	14.3
80°-90°	26.9	0.6
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°	4154.0	100.0
0°-180°	4154.0	100.0



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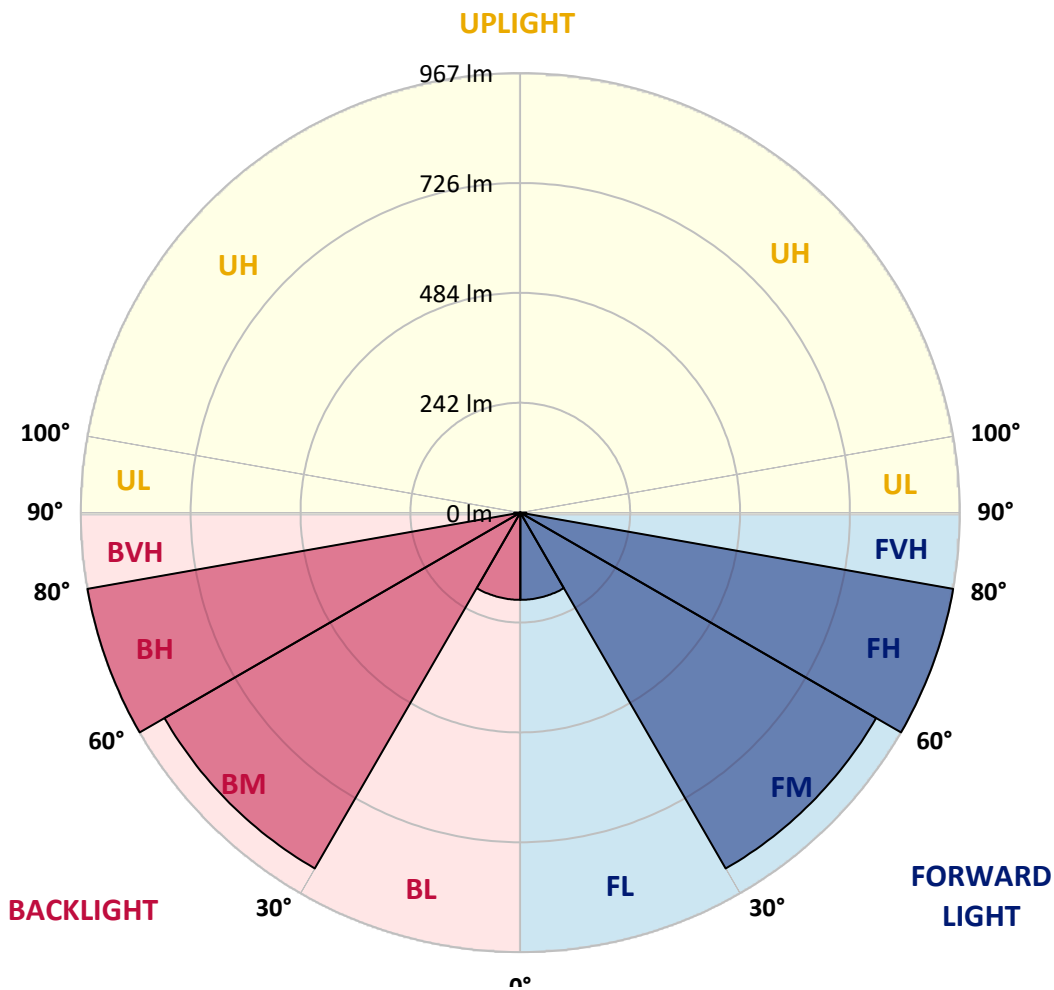
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.9	4.6			
FM (30°-60°)	904.3	21.8			
FH (60°-80°)	967.3	23.3			G1/1800
FVH (80°-90°)	13.4	0.3			G1/100
BL (0°-30°)	191.9	4.6	B1/500		
BM (30°-60°)	904.3	21.8	B1/1000		
BH (60°-80°)	967.3	23.3	B2/1000		G1/1800
BVH (80°-90°)	13.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	453.7	453.7	453.7	453.7	453.7	453.7	453.7	453.7	453.7	453.7	453.7
2.5°	453.0	452.6	453.5	453.4	452.6	452.7	452.7	453.1	453.1	452.9	452.9
5°	451.3	451.1	452.2	452.2	451.3	451.6	451.9	452.3	452.2	451.9	451.8
7.5°	449.3	449.1	450.2	450.2	449.7	450.0	449.7	449.8	449.6	449.3	448.9
10°	445.8	446.1	447.1	447.4	447.4	447.5	447.2	446.5	446.1	445.7	445.3
12.5°	442.7	442.5	443.9	444.6	445.7	446.9	446.1	444.2	443.4	442.5	442.3
15°	440.6	440.8	442.1	443.4	445.3	447.9	446.9	443.9	442.3	441.3	441.0
17.5°	440.2	440.5	442.3	444.5	446.5	449.4	448.9	445.8	443.1	441.3	440.9
20°	441.2	441.3	444.1	447.2	450.8	453.5	452.3	449.0	445.3	442.5	441.9
22.5°	443.0	443.5	446.9	451.9	457.4	461.1	459.6	454.0	448.2	444.7	443.8
25°	448.6	448.7	453.4	460.1	466.7	471.0	469.2	461.2	453.8	450.0	448.7
27.5°	460.3	460.7	465.4	473.2	478.8	481.6	480.5	474.0	467.7	463.6	464.0
30°	477.2	477.7	483.0	491.6	495.1	495.8	495.5	492.5	486.7	481.2	481.6
32.5°	497.8	498.1	505.1	512.9	515.7	516.2	515.7	512.9	506.1	498.6	499.0
35°	524.3	525.2	531.9	539.5	541.7	542.8	541.8	538.2	531.1	523.8	523.5
37.5°	557.1	557.2	564.2	572.1	574.8	575.1	574.0	571.6	562.7	556.1	555.7
40°	595.0	595.6	603.8	612.2	613.3	612.1	613.6	612.2	603.0	595.4	596.7
42.5°	641.2	642.4	652.3	660.6	657.4	656.7	657.7	658.1	650.7	641.5	640.7
45°	695.0	696.1	708.4	715.0	713.0	708.4	710.4	713.7	703.3	691.9	693.0
47.5°	756.3	759.0	772.2	778.4	773.3	767.1	770.8	775.8	763.7	749.5	748.8
50°	824.5	827.9	845.5	854.2	849.1	837.7	843.8	847.1	829.7	811.4	809.9
52.5°	897.2	900.6	922.8	940.6	937.3	919.6	928.3	924.8	904.8	880.1	878.2
55°	979.5	980.9	1004.8	1033.7	1037.0	1023.9	1023.4	1017.8	988.1	959.6	958.2
57.5°	1064.2	1065.2	1096.1	1130.2	1145.8	1145.8	1130.4	1118.4	1078.9	1045.9	1042.5
60°	1155.7	1159.1	1193.3	1239.7	1275.9	1286.7	1259.4	1226.9	1184.0	1143.7	1139.7
62.5°	1237.0	1241.0	1293.4	1362.4	1420.7	1459.8	1393.2	1340.1	1262.1	1197.4	1189.9
65°	1247.3	1258.1	1334.4	1459.3	1589.8	1667.8	1540.2	1409.4	1267.1	1177.4	1169.7
67.5°	1139.2	1157.3	1260.4	1454.9	1724.5	1891.9	1634.1	1369.8	1175.9	1076.6	1068.1
70°	875.3	901.7	1020.6	1272.6	1701.3	1964.0	1575.2	1199.2	980.4	873.5	861.6
72.5°	480.2	491.1	598.0	871.5	1363.9	1669.0	1313.9	886.7	650.1	529.0	508.9
75°	152.3	156.2	210.6	356.6	771.5	1105.5	834.6	435.3	239.6	176.7	174.6
77.5°	67.6	68.1	76.2	104.1	265.7	560.1	319.2	118.5	81.7	71.4	73.7
80°	42.8	42.8	47.2	51.6	72.3	162.6	86.3	56.4	48.1	44.7	45.6
82.5°	20.5	22.7	30.7	33.0	39.7	54.7	44.3	36.8	32.2	23.9	22.3
85°	13.5	11.3	19.4	21.9	23.1	26.3	25.7	24.3	21.0	12.0	13.3
87.5°	6.0	5.8	10.0	9.2	8.7	6.6	9.9	12.2	11.8	5.9	5.9
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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