

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: P385595

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
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-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4080 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

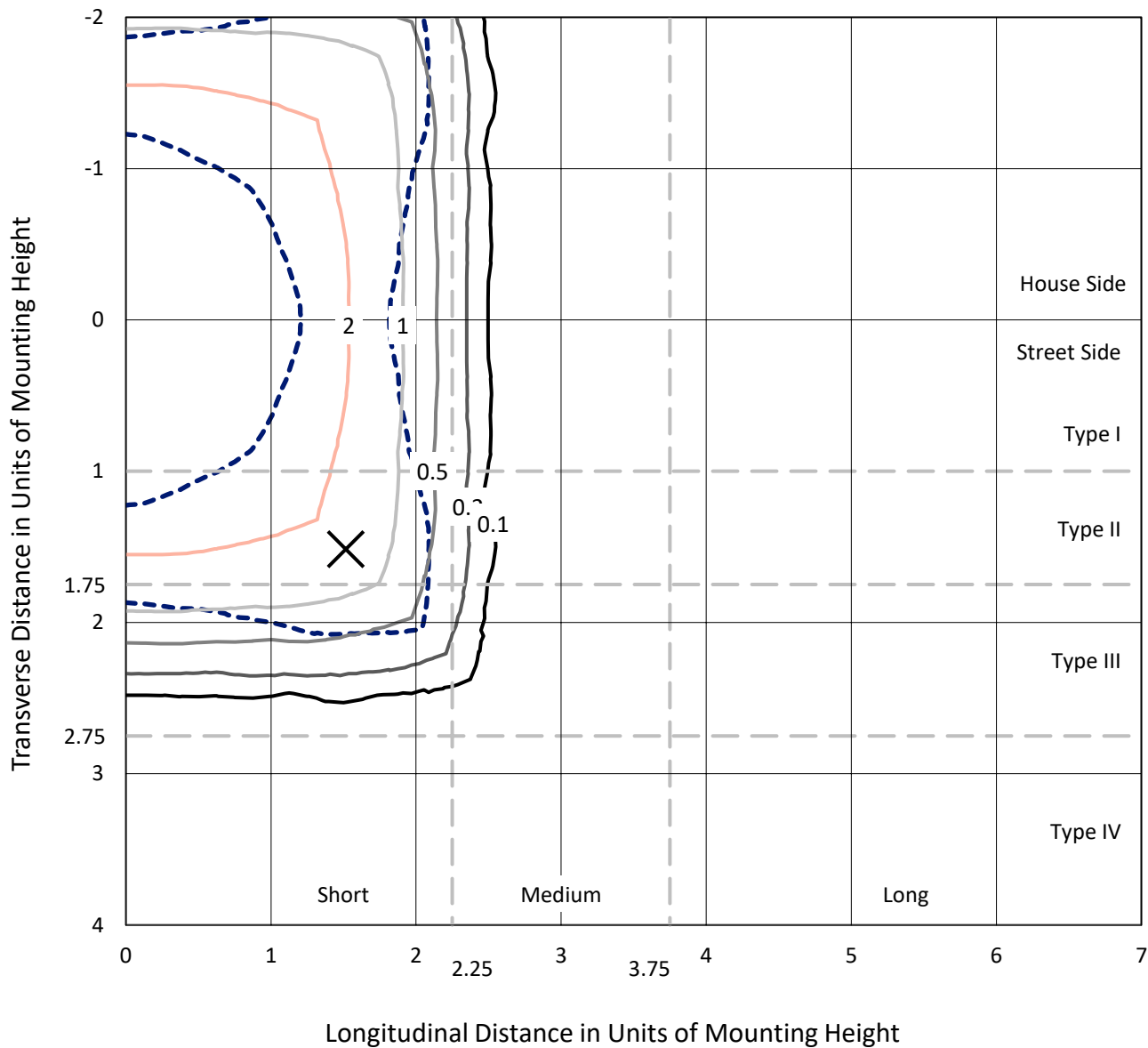
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

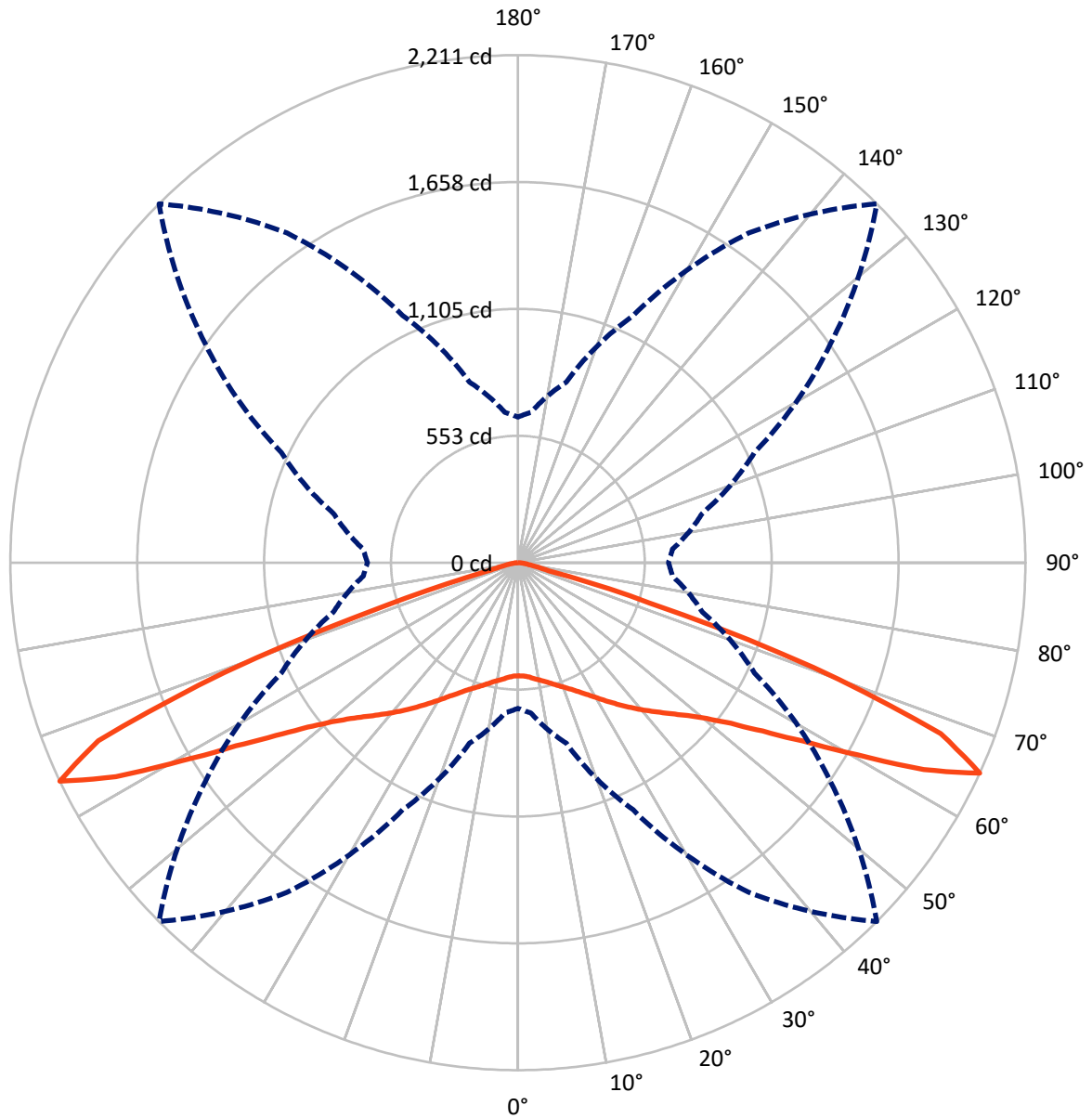
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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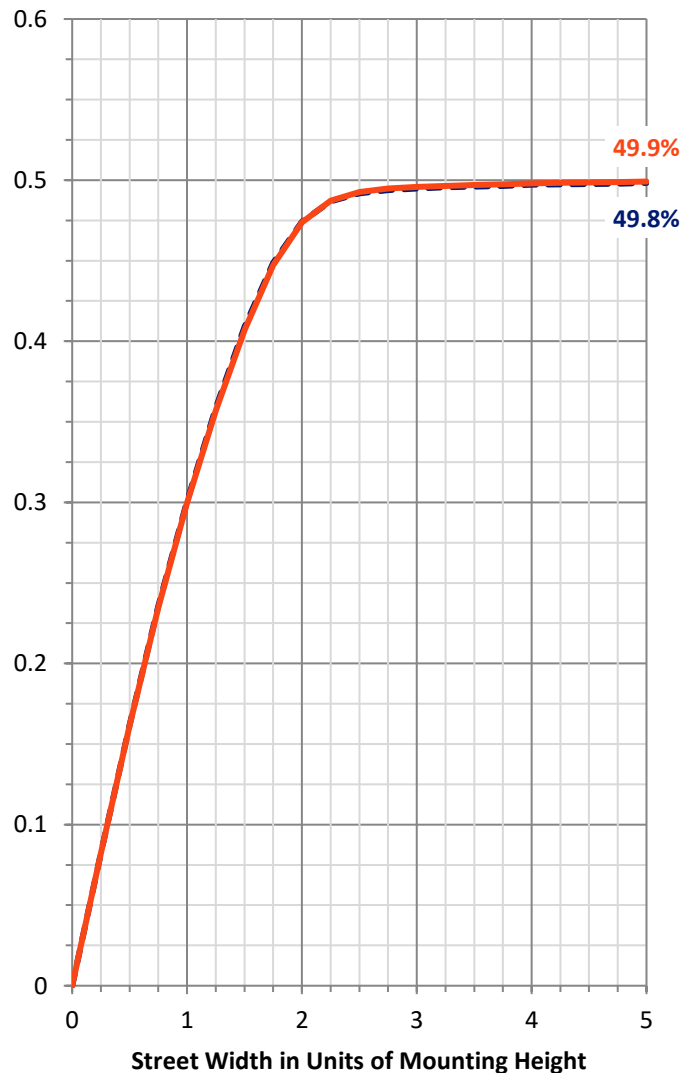
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2040.0	0.0	2040.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2040.0	0.0	2040.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4080.0	0.0	4080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	1.2
10°-20°	155.4	3.8
20°-30°	291.5	7.1
30°-40°	482.1	11.8
40°-50°	746.8	18.3
50°-60°	1145.3	28.1
60°-70°	1068.7	26.2
70°-80°	124.4	3.0
80°-90°	17.5	0.4
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°	4080.0	100.0
0°-180°	4080.0	100.0

Coefficient of Utilization



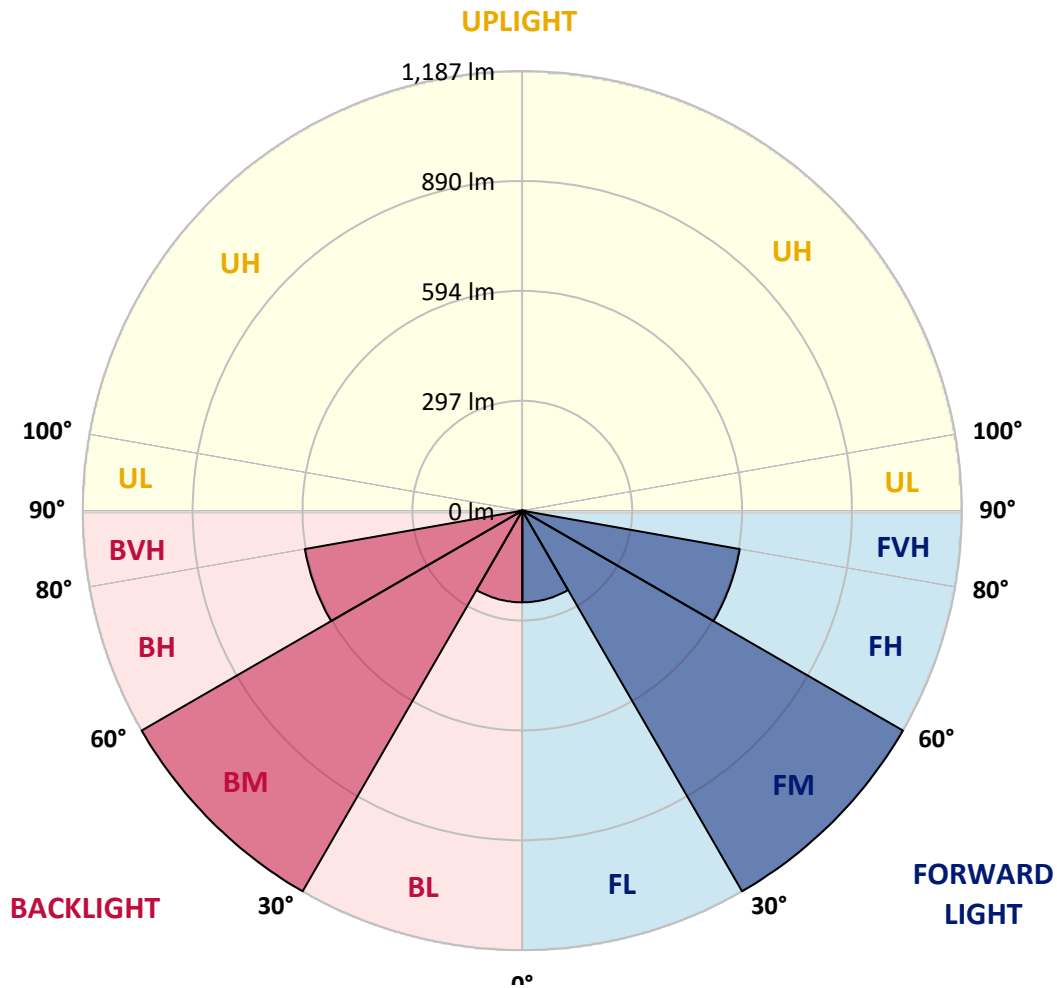
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.6	6.1			
FM (30°-60°)	1187.1	29.1			
FH (60°-80°)	596.5	14.6			G0/660
FVH (80°-90°)	8.7	0.2			G0/10
BL (0°-30°)	247.6	6.1	B1/500		
BM (30°-60°)	1187.1	29.1	B2/2500		
BH (60°-80°)	596.5	14.6	B2/1000		G0/660
BVH (80°-90°)	8.7	0.2			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°	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7
2.5°	494.3	494.1	494.3	494.5	493.7	494.1	493.9	494.6	494.9	494.6	494.6
5°	500.0	499.6	500.2	500.8	499.8	500.0	499.6	500.4	500.7	500.2	500.6
7.5°	507.9	508.0	508.6	509.8	509.1	509.6	508.8	509.0	508.8	508.0	508.2
10°	516.4	516.5	517.5	519.1	519.4	519.4	518.9	518.4	517.9	517.4	517.5
12.5°	526.7	527.4	528.1	530.1	530.1	531.2	530.9	529.8	528.9	528.1	528.1
15°	540.7	540.5	541.3	543.4	544.3	546.1	546.1	544.6	543.4	542.6	542.3
17.5°	555.3	555.7	556.2	558.7	560.2	562.2	562.5	561.2	560.4	559.3	558.7
20°	572.3	573.0	575.2	576.1	577.5	579.4	580.1	579.8	579.0	578.4	578.6
22.5°	592.3	594.0	595.4	596.7	598.4	599.7	600.4	601.3	600.5	600.1	599.8
25°	616.4	617.6	620.3	622.7	623.8	624.2	625.0	626.4	626.3	625.3	625.3
27.5°	643.7	646.0	649.4	652.9	652.9	651.6	654.3	656.6	655.8	654.6	652.9
30°	676.9	679.1	683.0	687.9	685.4	684.5	688.1	692.3	691.1	689.1	688.8
32.5°	712.7	714.7	719.8	725.1	722.0	720.6	724.6	730.7	728.5	724.4	722.0
35°	751.4	753.4	760.7	767.1	761.8	759.5	762.8	769.4	765.6	758.0	756.1
37.5°	793.5	794.6	804.1	810.6	806.9	800.8	804.9	809.8	806.5	797.3	793.6
40°	837.3	841.2	852.2	859.7	853.4	843.8	850.5	857.3	852.4	840.6	834.4
42.5°	888.3	891.3	905.9	912.7	902.4	888.9	898.1	907.3	902.4	891.0	885.6
45°	941.4	946.0	963.5	970.3	955.4	938.2	949.4	965.5	965.1	948.7	943.0
47.5°	999.2	1003.8	1024.7	1033.6	1017.5	994.5	1010.3	1033.1	1031.5	1013.5	1008.9
50°	1066.0	1070.9	1096.9	1108.1	1093.1	1066.3	1090.1	1110.2	1107.2	1085.0	1085.4
52.5°	1149.8	1149.6	1181.9	1201.4	1186.0	1162.3	1184.2	1203.7	1191.4	1160.7	1159.7
55°	1223.2	1227.7	1267.8	1304.8	1303.8	1294.8	1303.6	1304.4	1269.2	1228.3	1223.2
57.5°	1271.5	1280.0	1336.5	1403.4	1453.5	1465.5	1448.5	1396.7	1314.3	1248.8	1240.9
60°	1241.8	1254.8	1343.5	1479.9	1627.5	1698.4	1602.1	1441.6	1279.2	1188.0	1177.2
62.5°	1041.6	1063.6	1193.5	1442.9	1777.3	1984.4	1713.4	1369.7	1139.7	1014.1	995.6
65°	634.4	657.5	814.1	1187.6	1753.1	2210.8	1662.6	1136.8	831.8	675.7	655.6
67.5°	211.4	218.2	310.4	656.5	1377.8	1986.4	1380.1	680.6	362.0	240.0	232.9
70°	82.8	83.4	98.5	190.3	650.6	1364.4	717.9	193.7	102.9	81.4	83.2
72.5°	60.8	61.1	65.3	79.5	169.6	601.1	175.7	79.9	63.5	57.0	57.0
75°	48.9	48.9	51.9	58.0	76.0	137.9	77.1	57.3	49.7	45.5	45.0
77.5°	38.6	39.4	41.7	45.6	51.5	66.4	53.4	45.4	40.1	36.2	35.3
80°	28.7	29.5	33.3	35.2	37.0	46.0	39.4	35.5	31.7	27.1	26.3
82.5°	18.8	19.6	24.4	25.5	25.1	30.1	26.5	26.1	23.3	17.5	16.7
85°	12.3	12.6	16.3	16.9	15.6	13.7	16.9	17.9	16.3	11.4	11.0
87.5°	5.8	5.8	8.3	7.7	7.0	5.7	7.7	9.1	9.2	5.6	5.4
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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