

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: P385571

Luminaire Tested: **GWC-SA1A-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-827-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3740 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

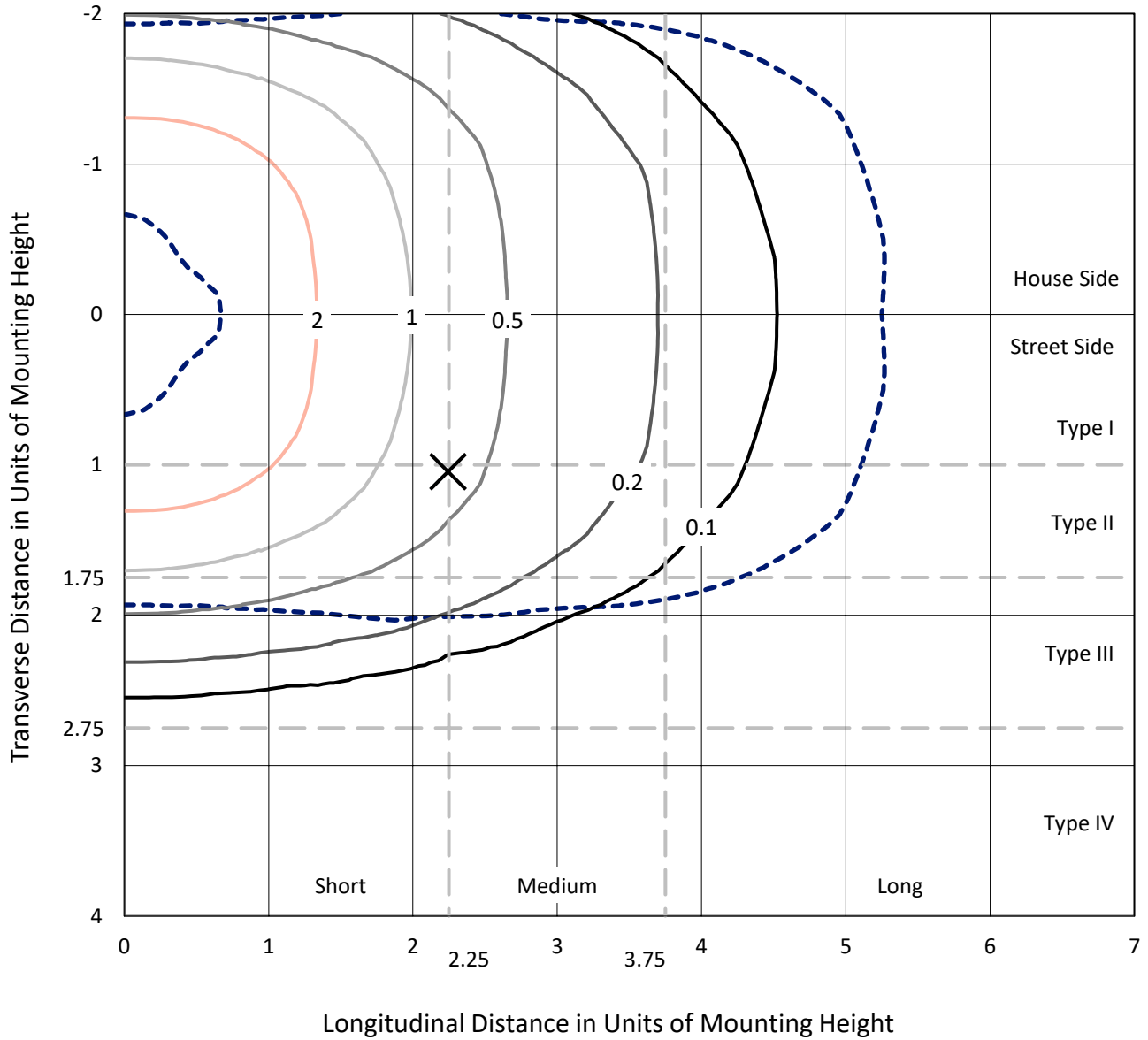
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

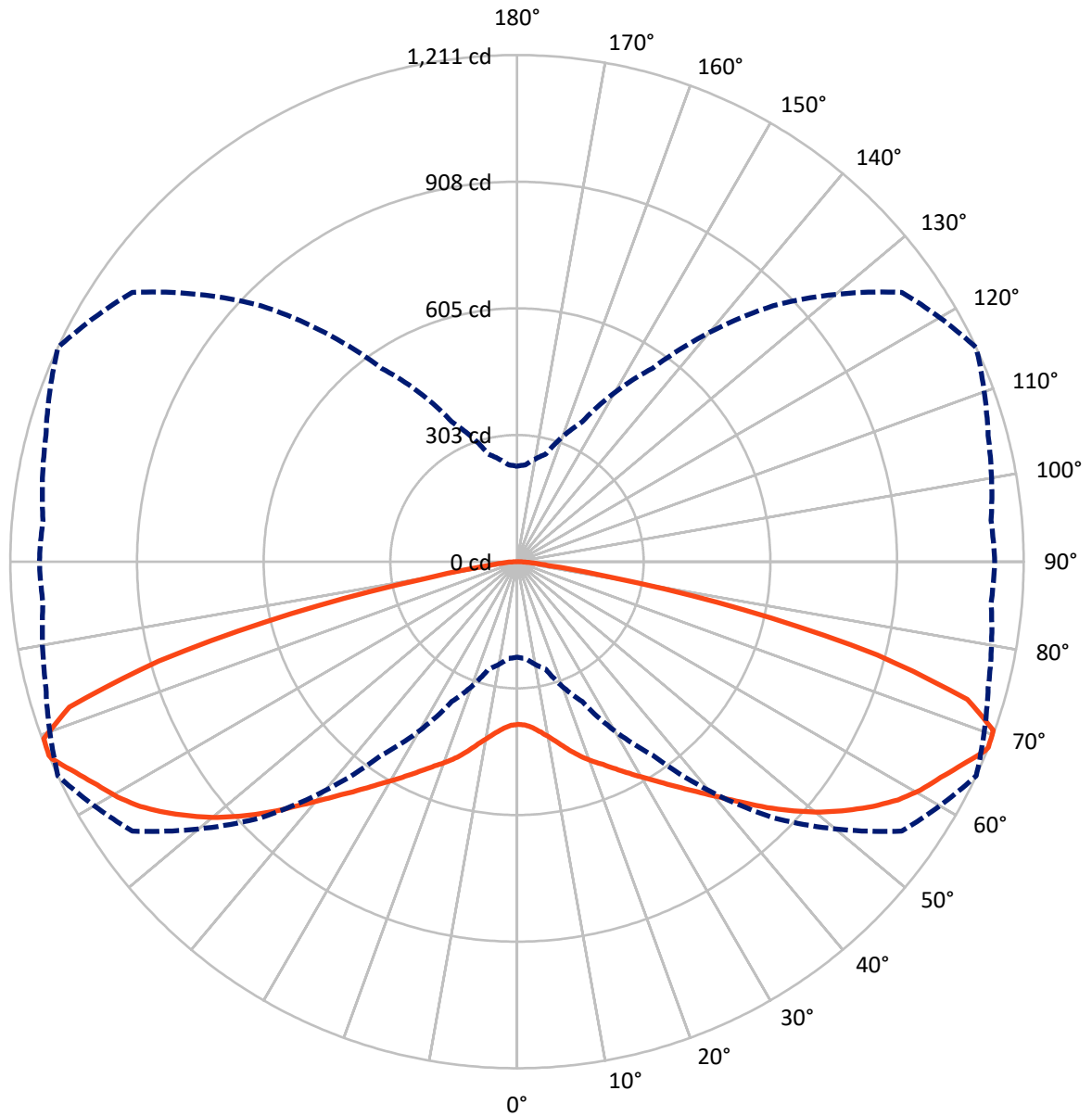
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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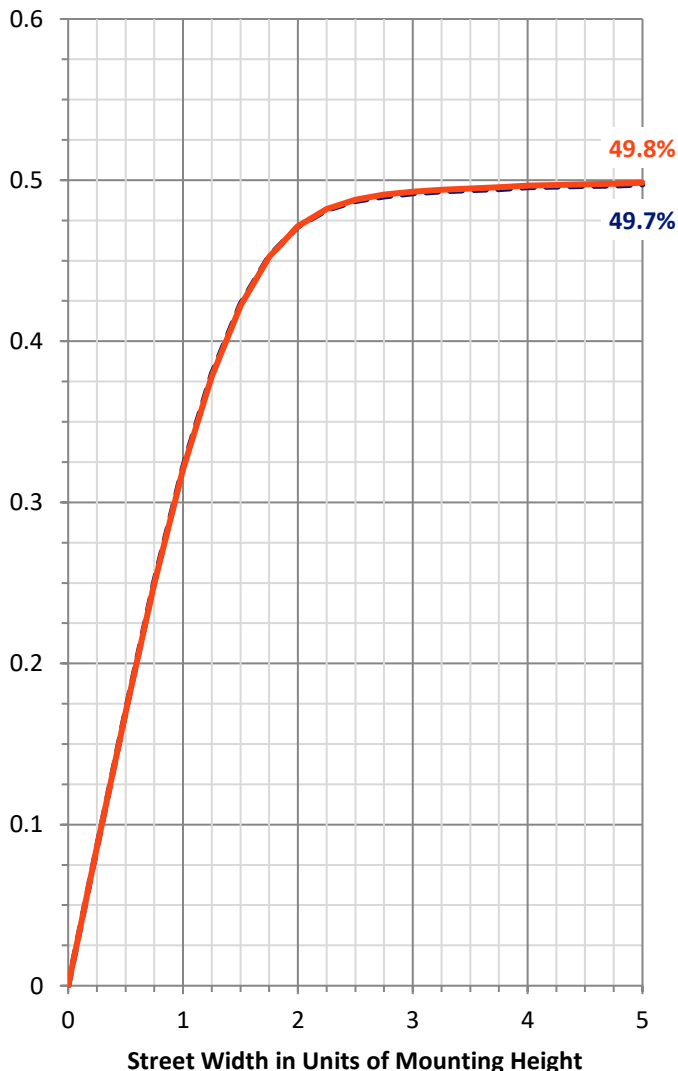
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1870.0	0.0	1870.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1870.0	0.0	1870.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3740.0	0.0	3740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	1.0
10°-20°	127.5	3.4
20°-30°	248.6	6.6
30°-40°	417.6	11.2
40°-50°	657.9	17.6
50°-60°	879.9	23.5
60°-70°	855.3	22.9
70°-80°	467.6	12.5
80°-90°	47.6	1.3
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°	3740.0	100.0
0°-180°	3740.0	100.0

Coefficient of Utilization



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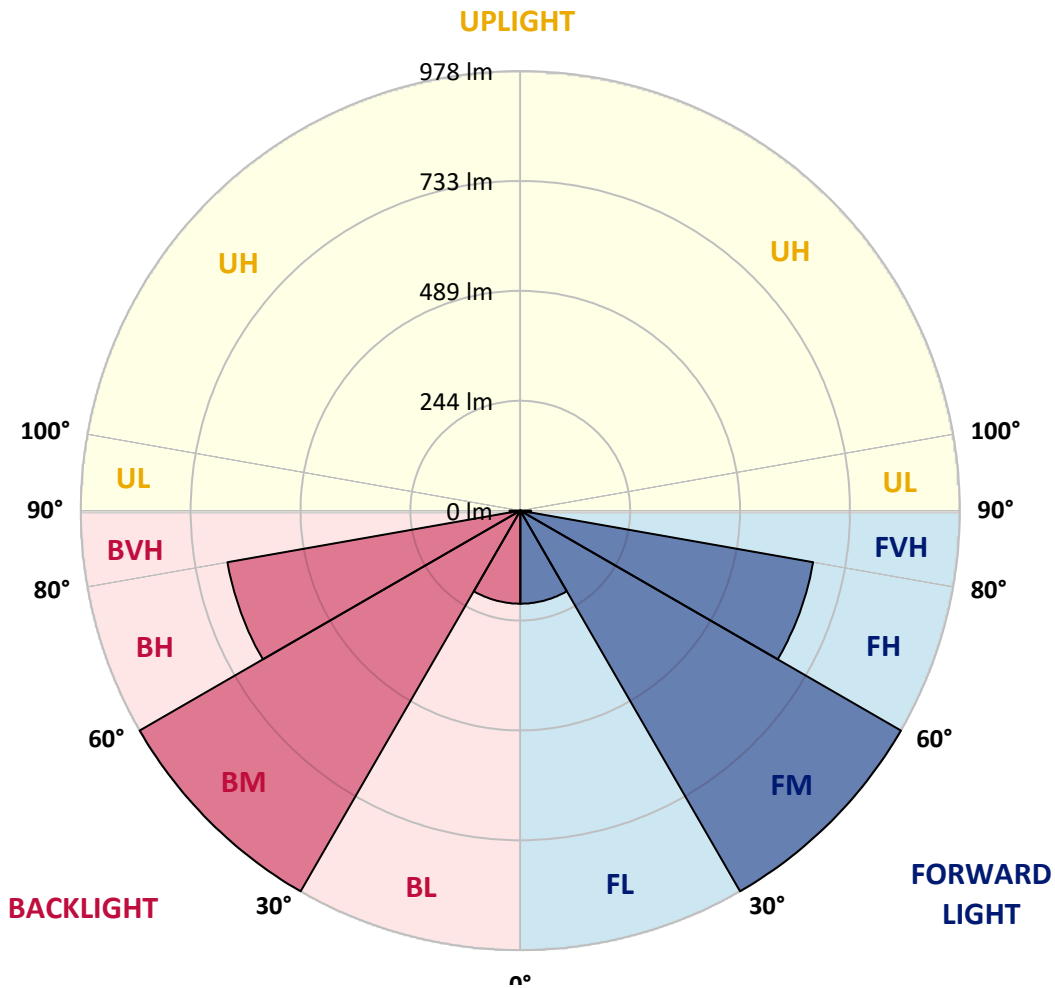
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.1	5.5			
FM (30°-60°)	977.7	26.1			
FH (60°-80°)	661.5	17.7			G1/1800
FVH (80°-90°)	23.8	0.6			G1/100
BL (0°-30°)	207.1	5.5	B1/500		
BM (30°-60°)	977.7	26.1	B1/1000		
BH (60°-80°)	661.5	17.7	B2/1000		G2/1000
BVH (80°-90°)	23.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9
2.5°	386.1	386.2	386.9	387.6	388.2	389.9	390.3	390.9	391.1	391.8	391.8
5°	382.7	383.0	384.5	386.5	388.7	392.8	395.6	398.9	400.5	402.3	402.2
7.5°	382.4	383.0	385.1	388.4	392.1	398.8	404.8	411.3	415.7	419.7	419.5
10°	386.2	387.2	390.3	395.1	400.8	409.1	418.0	426.7	434.4	440.5	440.8
12.5°	392.1	393.4	398.2	405.6	414.1	424.7	435.3	445.2	455.7	464.9	465.6
15°	399.9	401.5	408.7	419.7	432.8	445.4	456.7	466.9	479.0	491.7	493.0
17.5°	411.4	413.7	423.1	438.0	455.2	469.1	480.9	488.6	498.7	511.8	514.1
20°	429.0	431.9	443.8	461.6	482.5	497.1	506.1	507.8	512.8	524.4	527.2
22.5°	451.8	454.3	467.6	488.8	512.3	528.1	532.8	526.3	525.8	535.2	537.8
25°	477.3	479.5	495.0	518.8	544.0	561.4	561.3	548.6	539.9	547.1	549.9
27.5°	505.9	509.4	524.2	549.3	576.2	593.4	592.4	572.8	556.2	558.0	560.4
30°	538.7	542.6	557.0	582.5	609.5	626.3	625.0	599.2	574.1	569.1	570.8
32.5°	579.5	584.1	597.8	622.9	646.7	661.9	658.2	627.8	595.7	584.8	586.4
35°	628.5	631.3	645.7	670.4	689.7	700.1	692.5	660.9	623.0	609.8	609.8
37.5°	678.2	680.3	696.5	720.4	739.1	744.6	729.7	697.1	658.7	640.1	640.4
40°	725.8	731.6	749.8	774.4	792.8	794.3	774.5	738.5	698.5	679.2	681.4
42.5°	775.6	781.3	802.9	830.8	847.1	849.6	826.4	784.9	743.4	727.7	730.2
45°	820.0	824.5	849.6	882.0	902.3	908.8	881.3	838.1	791.9	776.6	777.2
47.5°	851.0	856.9	884.5	922.6	952.2	962.2	935.2	889.9	839.7	821.1	822.8
50°	879.1	882.2	910.2	951.8	989.4	1010.1	987.0	941.0	888.0	868.3	870.0
52.5°	894.7	898.8	925.8	969.2	1013.8	1047.1	1033.1	987.0	934.6	915.4	917.6
55°	883.8	886.8	919.3	973.1	1028.8	1069.9	1072.1	1032.1	980.4	963.6	969.6
57.5°	834.2	837.9	877.6	948.0	1030.7	1085.4	1101.4	1073.8	1023.2	1009.5	1013.0
60°	756.6	758.9	801.2	880.4	994.1	1091.8	1120.1	1107.9	1065.0	1051.4	1056.1
62.5°	618.2	621.7	672.3	778.5	916.7	1072.8	1138.1	1136.1	1104.0	1091.5	1095.8
65°	422.6	428.7	484.7	619.0	797.4	1014.9	1154.6	1169.0	1138.5	1122.7	1128.4
67.5°	255.2	259.7	300.2	408.7	610.2	898.0	1137.6	1206.4	1162.9	1137.4	1142.0
68°	228.1	232.2	266.1	368.8	564.4	865.0	1122.2	1210.6	1165.5	1137.1	1141.3
70°	137.8	140.6	163.3	228.0	376.3	686.2	1017.0	1207.1	1182.3	1140.7	1143.0
72.5°	89.8	90.7	94.4	117.0	192.2	383.7	763.3	1124.9	1207.5	1161.1	1160.7
75°	74.6	74.1	74.5	77.1	94.8	168.3	446.1	888.6	1151.1	1128.9	1121.0
77.5°	63.1	62.7	62.6	62.7	63.5	81.3	193.6	553.5	880.8	998.6	1005.6
80°	51.0	50.5	52.2	51.4	49.2	50.5	81.1	230.2	415.2	446.7	418.6
82.5°	37.1	35.2	42.3	40.3	38.4	35.6	44.8	74.4	99.1	68.0	47.8
85°	28.6	26.6	32.1	30.8	26.3	18.2	26.6	36.4	40.1	22.9	18.1
87.5°	11.7	12.3	23.2	18.3	15.4	8.8	10.9	14.5	19.6	9.8	7.5
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



Report Generated By 670245982

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