

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: P386042

Luminaire Tested: **GWC-SA1C-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386042
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-SA1C-830-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6305 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

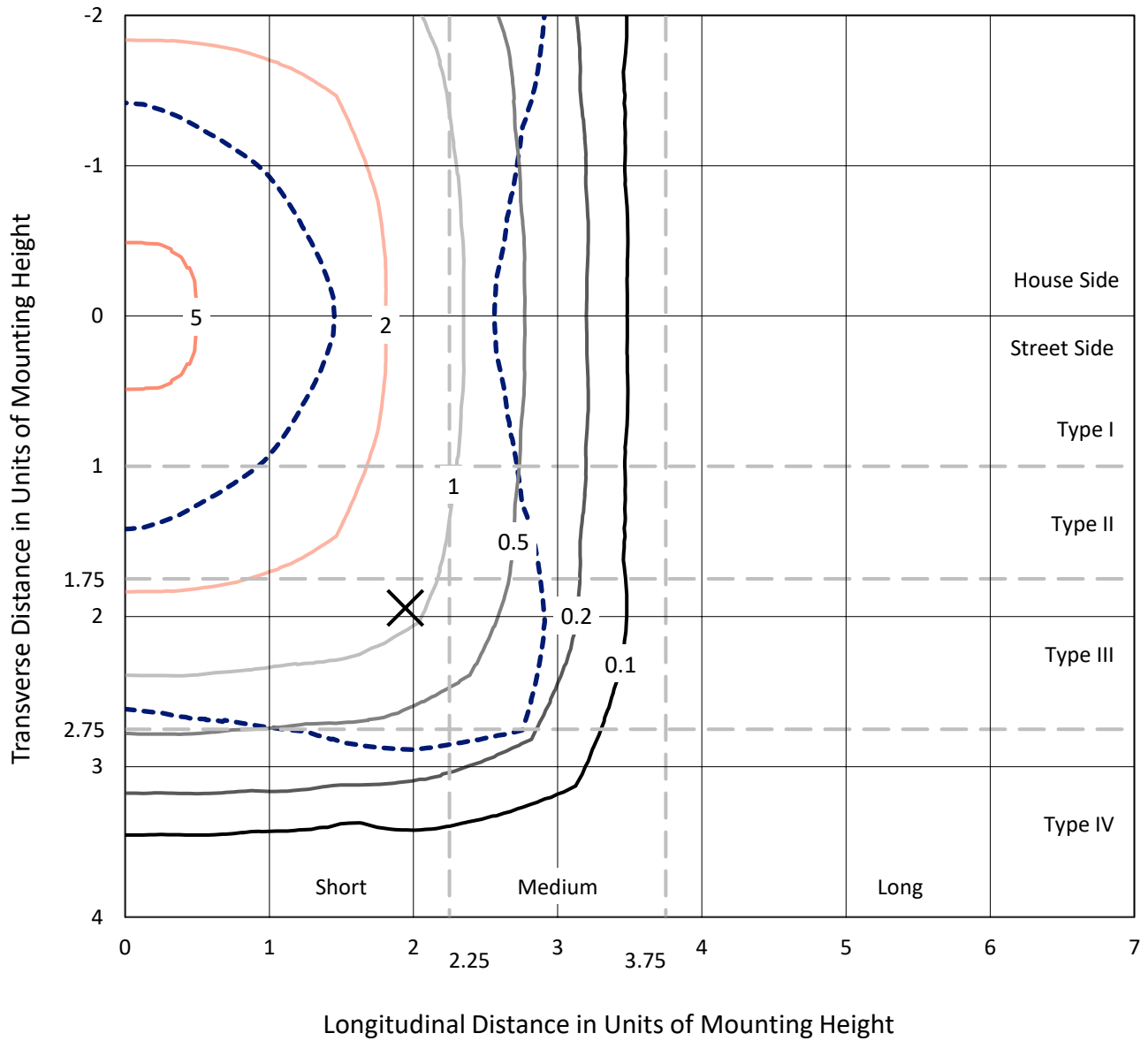
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

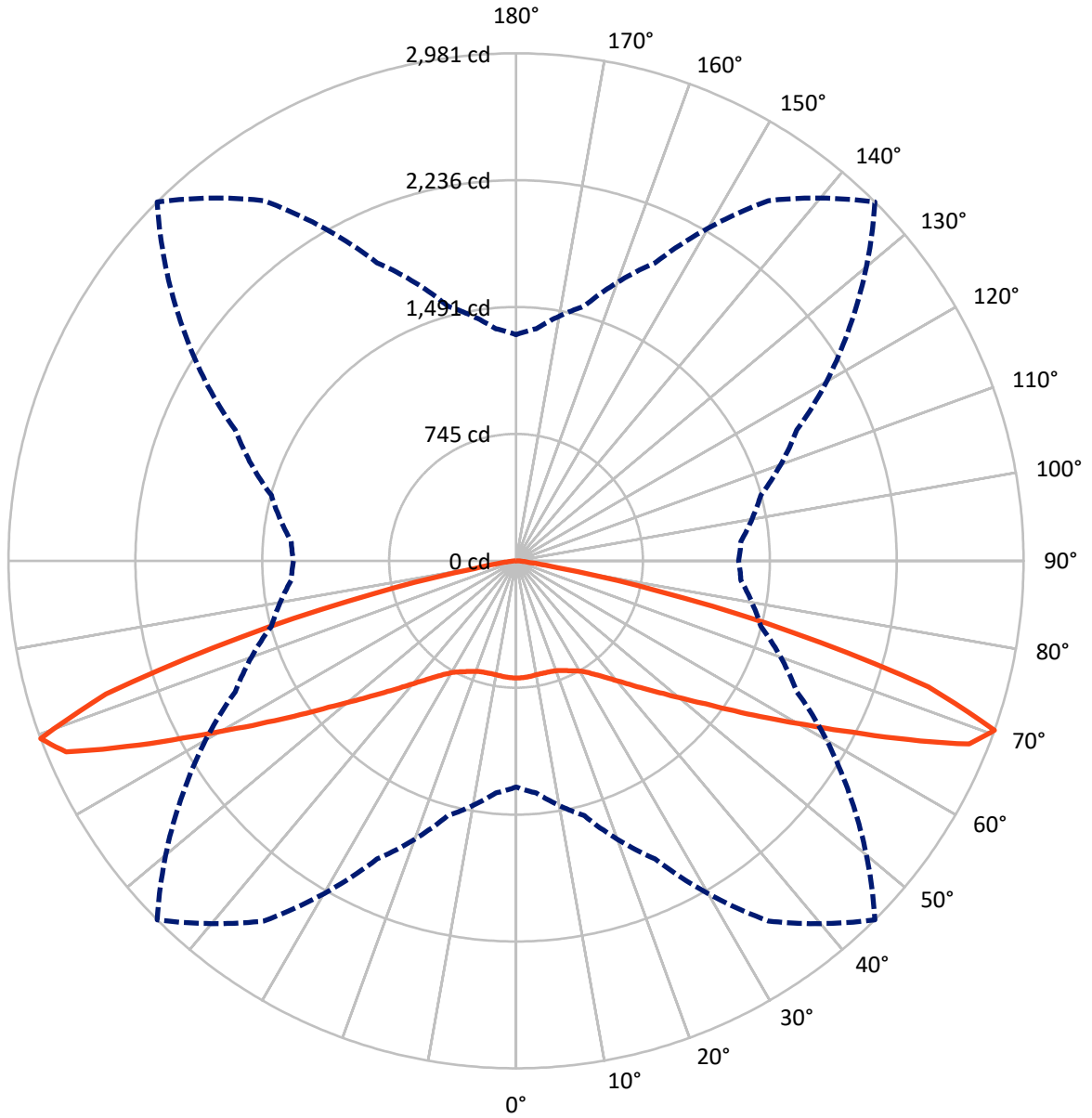
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 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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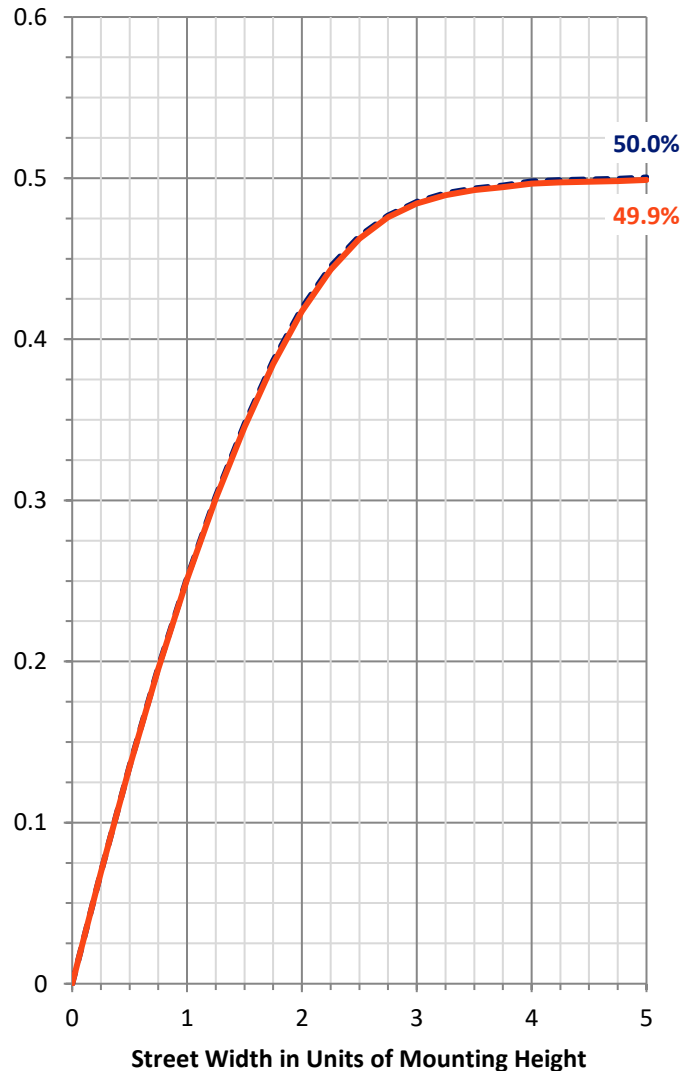
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3152.5	0.0	3152.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3152.5	0.0	3152.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6305.0	0.0	6305.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	1.0
10°-20°	191.5	3.0
20°-30°	325.9	5.2
30°-40°	516.9	8.2
40°-50°	841.2	13.3
50°-60°	1387.0	22.0
60°-70°	2036.1	32.3
70°-80°	900.4	14.3
80°-90°	40.8	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°	6305.0	100.0
0°-180°	6305.0	100.0



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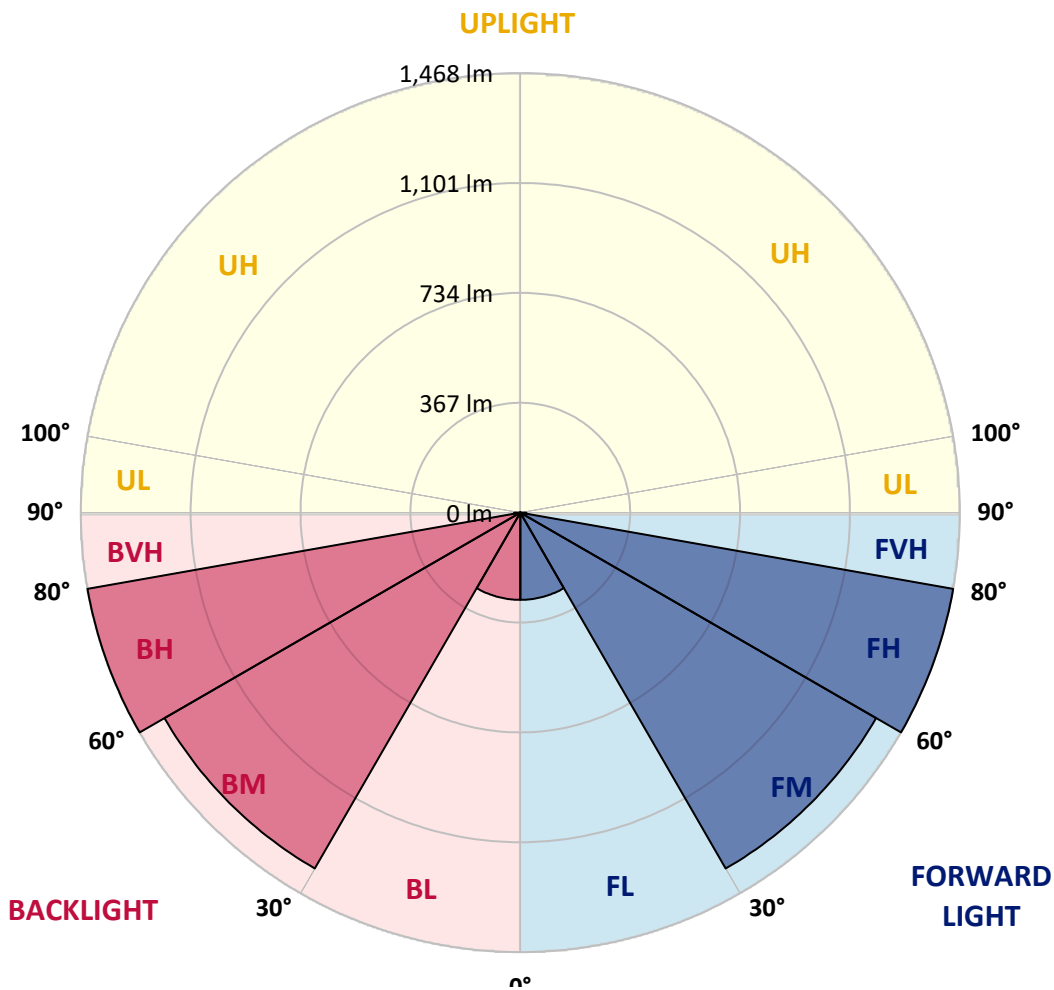
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.3	4.6			
FM (30°-60°)	1372.6	21.8			
FH (60°-80°)	1468.2	23.3			G1/1800
FVH (80°-90°)	20.4	0.3			G1/100
BL (0°-30°)	291.3	4.6	B1/500		
BM (30°-60°)	1372.6	21.8	B2/2500		
BH (60°-80°)	1468.2	23.3	B3/2500		G1/1800
BVH (80°-90°)	20.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6
2.5°	687.6	686.9	688.4	688.2	686.9	687.1	687.1	687.8	687.8	687.4	687.4
5°	685.1	684.6	686.3	686.3	685.1	685.5	685.9	686.5	686.3	685.9	685.7
7.5°	681.9	681.7	683.4	683.4	682.6	683.0	682.6	682.8	682.3	681.9	681.3
10°	676.7	677.1	678.6	679.0	679.0	679.2	678.8	677.8	677.1	676.5	675.9
12.5°	671.9	671.7	673.8	674.8	676.5	678.4	677.1	674.2	673.0	671.7	671.3
15°	668.8	669.0	671.1	673.0	675.9	679.8	678.4	673.8	671.3	669.8	669.4
17.5°	668.2	668.6	671.3	674.6	677.8	682.1	681.3	676.7	672.5	669.8	669.2
20°	669.6	669.8	674.0	678.8	684.2	688.4	686.5	681.5	675.9	671.7	670.7
22.5°	672.3	673.2	678.4	685.9	694.2	699.9	697.6	689.0	680.3	675.0	673.6
25°	680.9	681.1	688.2	698.4	708.4	714.9	712.2	700.1	688.8	683.0	681.1
27.5°	698.6	699.2	706.3	718.2	726.8	731.0	729.3	719.5	709.9	703.6	704.3
30°	724.3	725.1	733.1	746.2	751.4	752.5	752.0	747.4	738.7	730.3	731.0
32.5°	755.6	756.0	766.6	778.5	782.7	783.5	782.7	778.5	768.1	756.8	757.5
35°	795.9	797.1	807.3	818.8	822.2	823.8	822.4	816.9	806.1	795.0	794.6
37.5°	845.5	845.7	856.4	868.3	872.4	872.9	871.2	867.6	854.1	844.1	843.4
40°	903.1	903.9	916.5	929.2	930.9	929.0	931.3	929.2	915.2	903.7	905.6
42.5°	973.2	975.1	990.1	1002.6	997.8	996.8	998.3	998.9	987.6	973.6	972.4
45°	1054.8	1056.5	1075.3	1085.3	1082.2	1075.3	1078.2	1083.2	1067.5	1050.2	1051.9
47.5°	1147.9	1152.1	1172.1	1181.5	1173.8	1164.4	1170.0	1177.5	1159.2	1137.7	1136.6
50°	1251.4	1256.6	1283.3	1296.5	1288.7	1271.4	1280.8	1285.8	1259.3	1231.6	1229.3
52.5°	1361.8	1367.0	1400.6	1427.7	1422.7	1395.8	1408.9	1403.7	1373.2	1335.9	1333.0
55°	1486.8	1488.8	1525.2	1569.0	1574.0	1554.2	1553.3	1544.8	1499.7	1456.5	1454.4
57.5°	1615.3	1616.8	1663.7	1715.5	1739.0	1739.0	1715.7	1697.5	1637.6	1587.5	1582.3
60°	1754.1	1759.3	1811.2	1881.6	1936.6	1952.9	1911.6	1862.2	1797.0	1735.9	1729.9
62.5°	1877.6	1883.6	1963.1	2067.9	2156.4	2215.6	2114.6	2034.1	1915.6	1817.5	1806.0
65°	1893.2	1909.5	2025.3	2215.0	2413.0	2531.4	2337.7	2139.3	1923.3	1787.0	1775.3
67.5°	1729.0	1756.6	1913.1	2208.3	2617.5	2871.5	2480.2	2079.2	1784.7	1634.1	1621.1
70°	1328.6	1368.7	1549.2	1931.6	2582.3	2981.0	2390.9	1820.2	1488.0	1325.9	1307.7
72.5°	728.9	745.4	907.7	1322.7	2070.2	2533.2	1994.2	1345.9	986.8	803.0	772.5
75°	231.2	237.0	319.7	541.3	1171.0	1677.9	1266.8	660.6	363.7	268.1	265.0
77.5°	102.7	103.3	115.6	158.0	403.4	850.1	484.5	179.9	123.9	108.3	111.8
80°	64.9	64.9	71.6	78.3	109.8	246.9	131.0	85.6	73.0	67.8	69.3
82.5°	31.1	34.4	46.5	50.1	60.3	83.0	67.2	55.9	48.8	36.3	33.8
85°	20.4	17.1	29.4	33.2	35.1	39.9	39.0	36.9	31.9	18.2	20.2
87.5°	9.2	8.8	15.2	14.0	13.1	10.0	15.0	18.6	17.9	9.0	9.0
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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