

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: P386268

Luminaire Tested: **GWC-SA1D-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386268
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-SA1D-830-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6936 lumens
Efficiency: N/A
Efficacy: 105.1 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

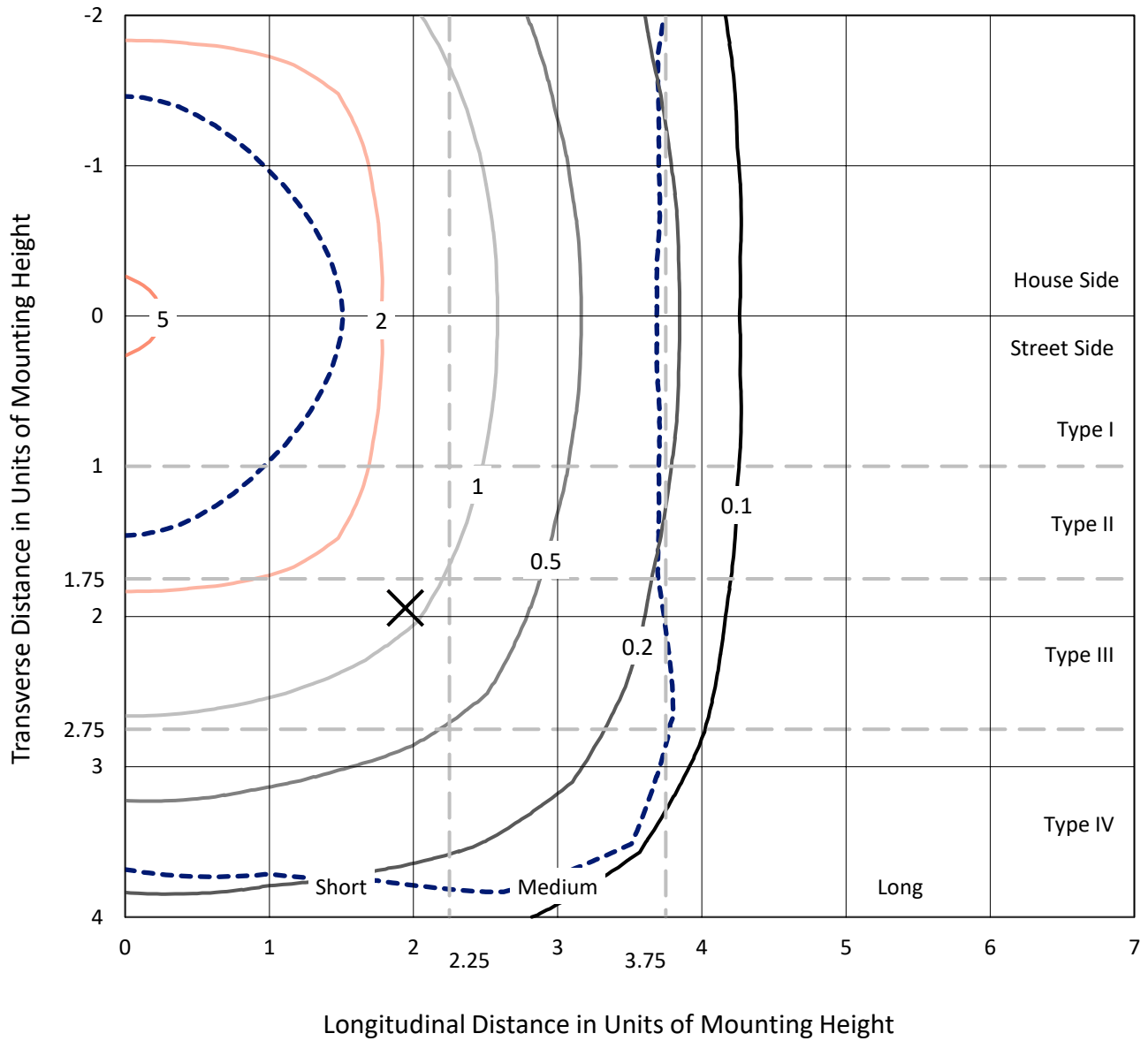
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

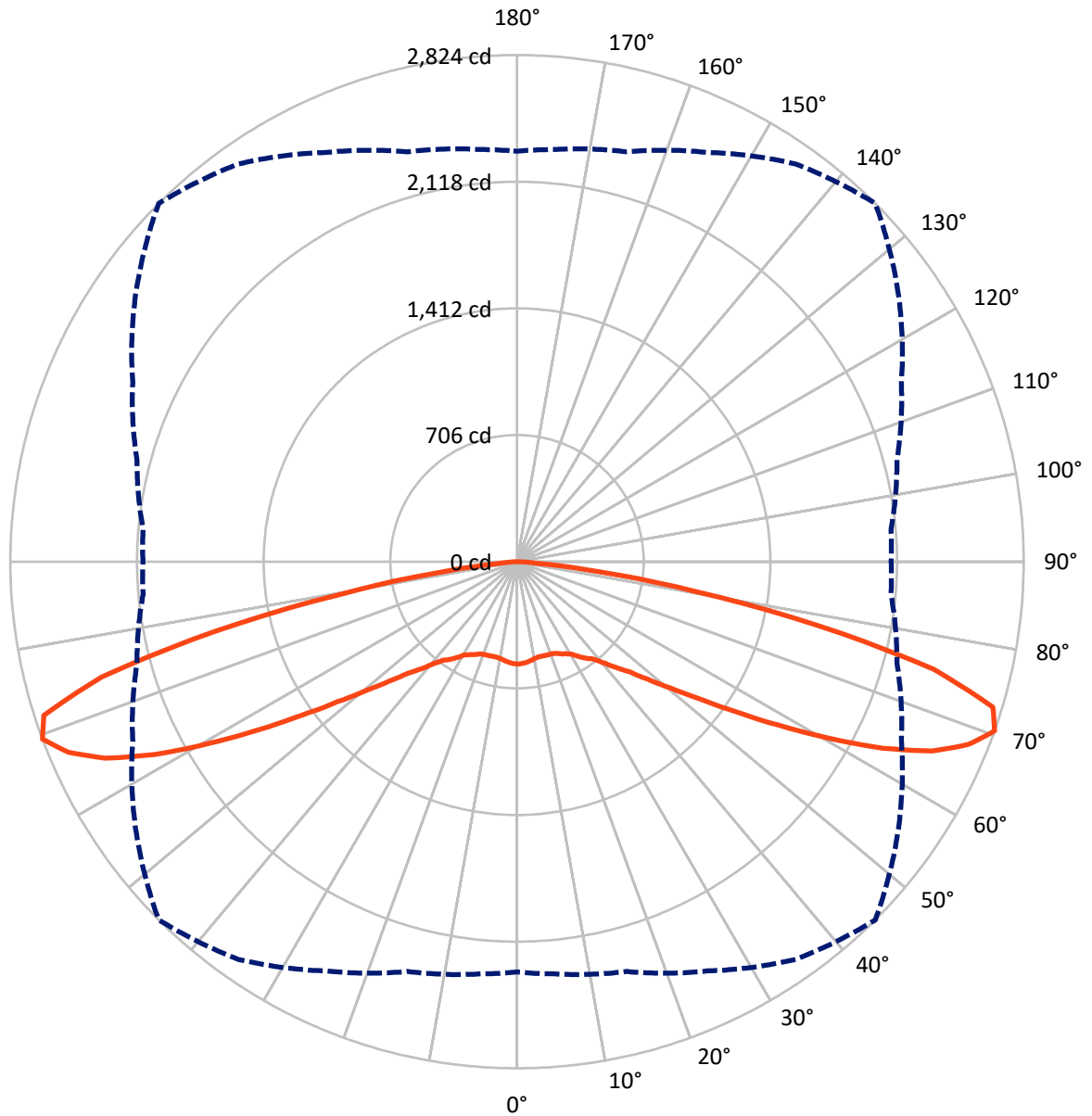
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 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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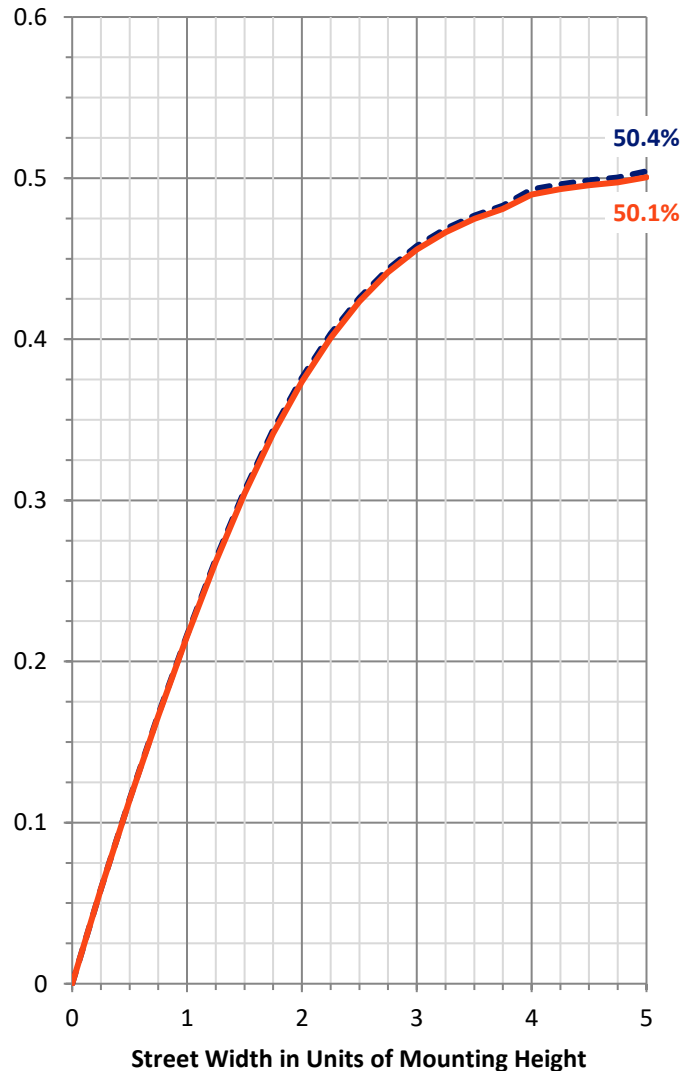
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3468.0	0.0	3468.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3468.0	0.0	3468.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6936.0	0.0	6936.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	0.8
10°-20°	155.6	2.2
20°-30°	265.3	3.8
30°-40°	414.6	6.0
40°-50°	702.6	10.1
50°-60°	1281.3	18.5
60°-70°	2205.9	31.8
70°-80°	1729.1	24.9
80°-90°	128.2	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°	6936.0	100.0
0°-180°	6936.0	100.0



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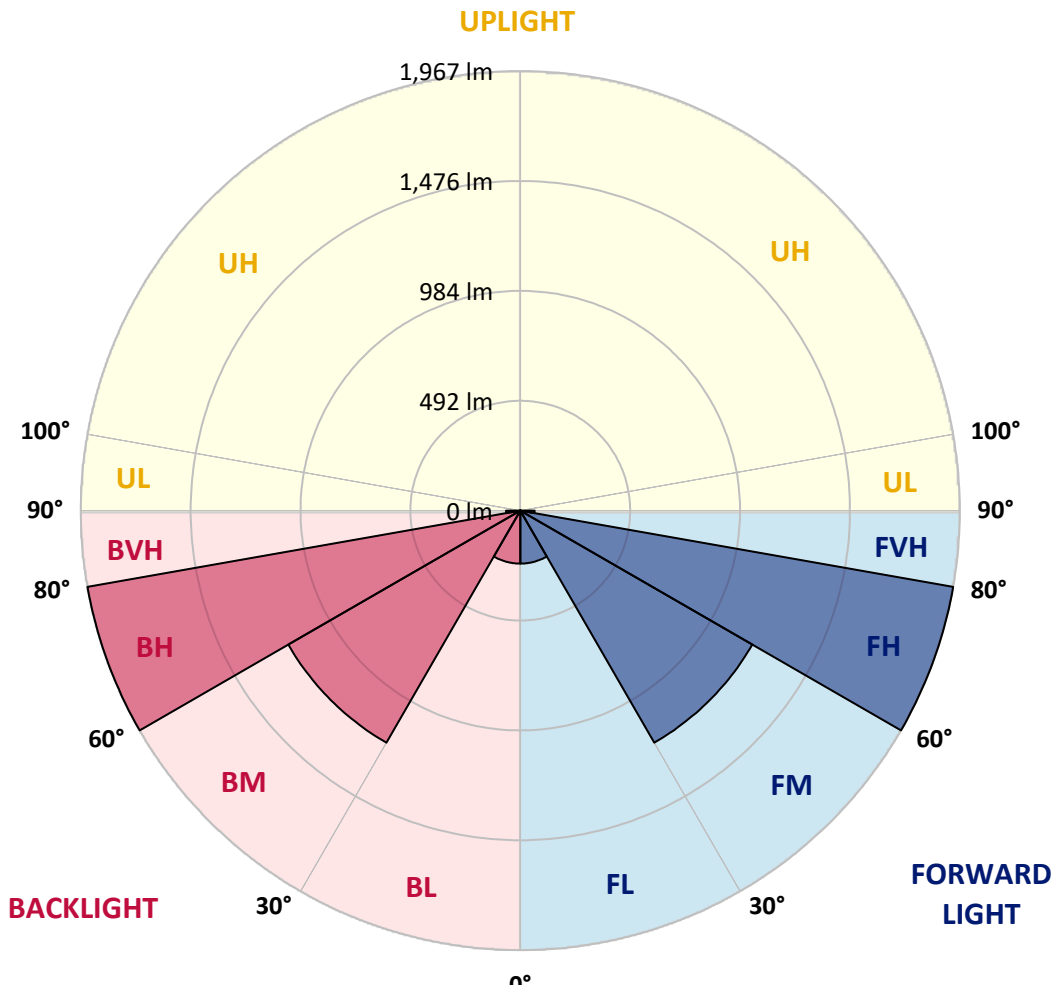
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.1	3.4			
FM (30°-60°)	1199.3	17.3			
FH (60°-80°)	1967.5	28.4			G2/5000
FVH (80°-90°)	64.1	0.9			G1/100
BL (0°-30°)	237.1	3.4	B1/500		
BM (30°-60°)	1199.3	17.3	B2/2500		
BH (60°-80°)	1967.5	28.4	B3/2500		G2/5000
BVH (80°-90°)	64.1	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°	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8
2.5°	568.3	569.0	568.3	568.8	567.6	568.1	568.1	568.1	567.9	568.1	567.6
5°	563.3	563.7	562.8	563.3	562.6	563.3	563.5	563.3	562.8	563.0	562.1
7.5°	555.7	556.1	555.5	556.1	555.2	556.4	556.1	555.5	554.8	554.8	553.9
10°	551.6	551.8	550.0	549.3	547.2	547.7	548.3	549.0	549.7	551.1	550.9
12.5°	551.8	551.8	549.0	546.1	543.1	543.8	544.9	547.4	550.2	552.7	552.9
15°	554.1	553.9	549.7	544.9	542.8	544.9	545.6	547.2	551.6	555.9	556.1
17.5°	555.7	555.7	549.3	543.8	543.5	546.7	546.5	547.2	552.0	558.4	558.7
20°	558.7	558.7	550.4	544.4	544.4	547.9	548.1	549.3	554.1	561.2	562.3
22.5°	565.3	565.6	556.8	552.0	552.5	554.5	555.2	557.1	561.4	569.2	570.6
25°	574.7	575.2	566.2	563.5	565.1	569.0	568.5	569.9	574.7	582.3	583.7
27.5°	587.8	586.7	578.4	577.3	578.9	581.6	581.4	581.6	585.5	592.4	594.0
30°	604.8	604.3	598.4	599.1	598.4	597.4	597.7	599.5	601.6	607.1	608.7
32.5°	621.3	621.8	618.1	621.5	626.6	630.0	624.8	619.7	617.4	620.4	621.8
35°	651.1	652.3	646.5	644.3	651.1	661.2	646.3	638.1	642.6	646.5	647.7
37.5°	701.8	702.5	692.9	683.7	678.7	688.3	673.4	674.1	690.1	697.5	697.3
40°	759.7	759.9	753.5	745.4	736.7	739.0	733.0	734.9	745.4	752.1	753.9
42.5°	828.5	827.8	817.7	806.2	803.7	806.0	795.9	794.5	806.7	818.6	818.9
45°	917.7	916.1	903.1	890.4	878.3	873.2	870.7	877.4	894.1	905.1	905.3
47.5°	1013.9	1009.5	1002.6	992.5	982.0	976.9	972.8	976.0	988.2	992.5	993.0
50°	1112.8	1113.7	1115.1	1111.2	1107.3	1105.6	1094.9	1088.7	1092.3	1084.3	1083.2
52.5°	1230.0	1231.8	1245.1	1256.4	1263.0	1266.5	1246.1	1224.7	1212.8	1197.2	1192.6
55°	1368.3	1371.3	1390.8	1422.0	1454.2	1471.1	1434.2	1394.3	1357.3	1328.2	1318.8
57.5°	1522.5	1527.8	1554.7	1614.5	1680.4	1720.5	1658.1	1585.6	1514.3	1472.3	1464.9
60°	1703.3	1708.4	1745.5	1831.3	1938.0	1998.4	1903.8	1785.2	1696.4	1656.3	1642.8
62.5°	1918.5	1919.0	1964.7	2064.9	2205.8	2289.8	2161.7	2003.2	1911.7	1863.2	1850.2
65°	2150.0	2151.2	2198.4	2306.7	2452.4	2543.7	2399.2	2234.0	2122.0	2050.7	2040.6
67.5°	2313.6	2318.4	2368.2	2498.5	2634.8	2717.2	2567.6	2380.8	2251.4	2166.3	2157.8
70°	2287.5	2306.3	2364.8	2516.9	2706.4	2823.9	2594.9	2363.4	2192.7	2092.2	2085.1
72.5°	1994.9	2031.0	2109.0	2308.6	2611.7	2773.4	2446.0	2116.8	1923.6	1838.0	1825.2
75°	1358.5	1417.0	1534.7	1822.6	2231.3	2401.3	2059.2	1687.7	1506.0	1387.6	1378.9
77.5°	605.7	619.0	768.1	1099.7	1539.7	1724.4	1496.1	1104.0	828.7	661.0	625.7
80°	168.9	170.9	228.1	409.5	770.7	1013.2	827.3	430.2	241.8	170.5	160.6
82.5°	53.7	58.3	71.1	106.2	259.0	462.3	265.9	114.7	81.7	65.2	58.7
85°	26.2	25.9	36.0	43.1	66.1	102.3	70.4	53.2	46.6	31.0	28.0
87.5°	11.0	11.2	16.7	15.1	19.3	16.5	22.7	23.9	25.0	13.8	11.9
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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