

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: P386156

Luminaire Tested: **GWC-SA1D-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386156
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-740-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8728 lumens
Efficiency: N/A
Efficacy: 130.3 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

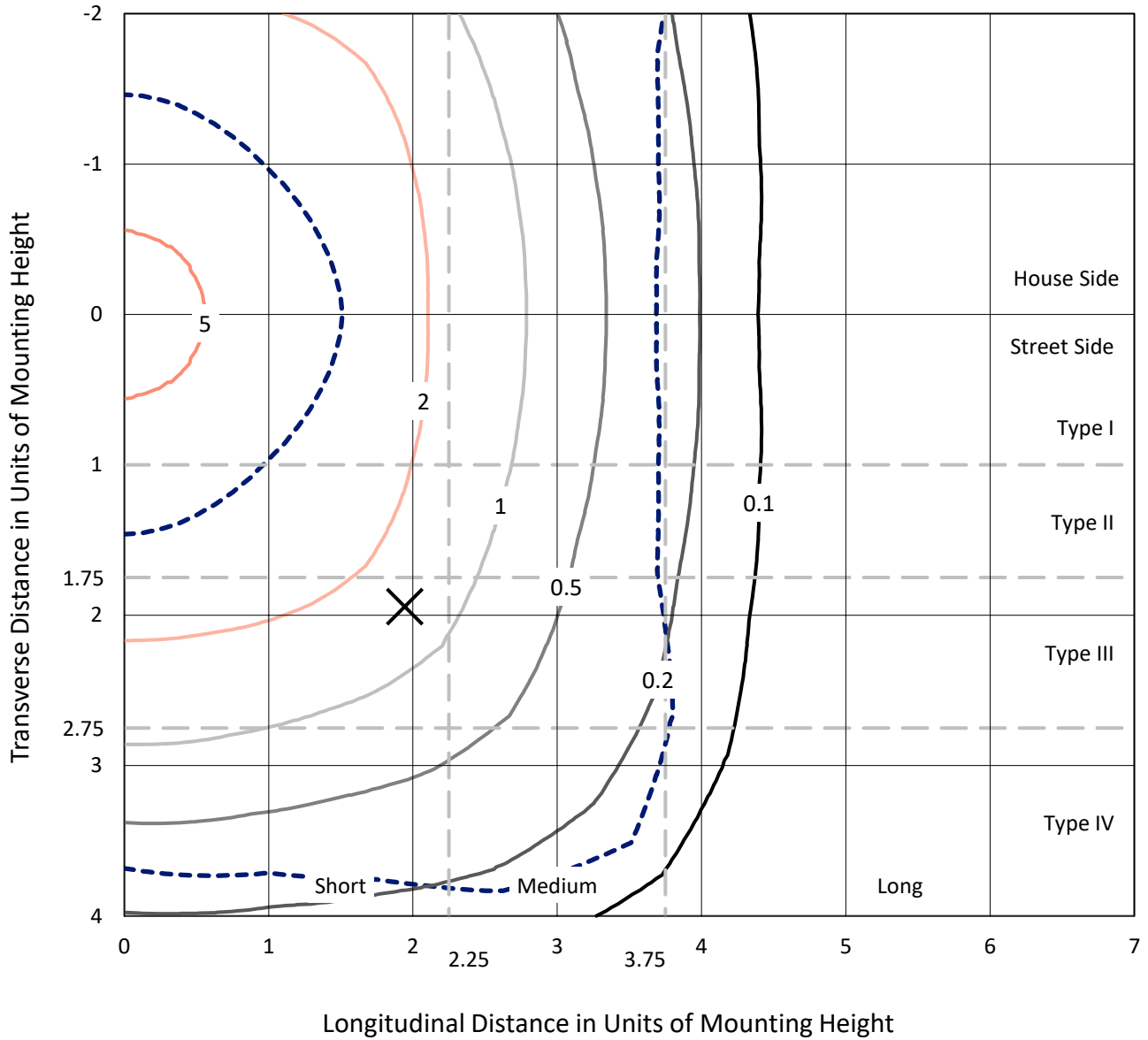
Input Watts (W): 67
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

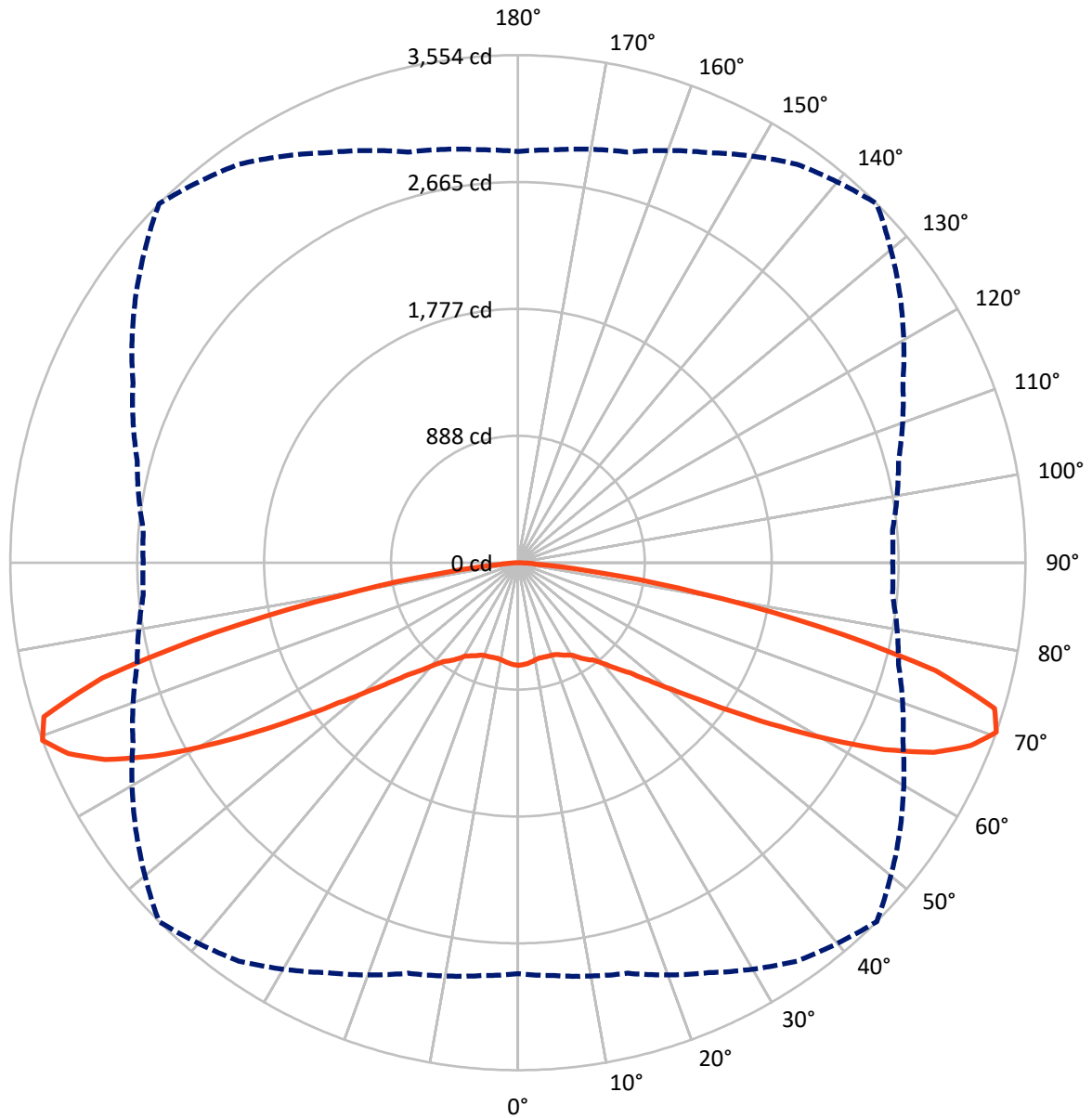
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

REPORT NUMBER: P386156
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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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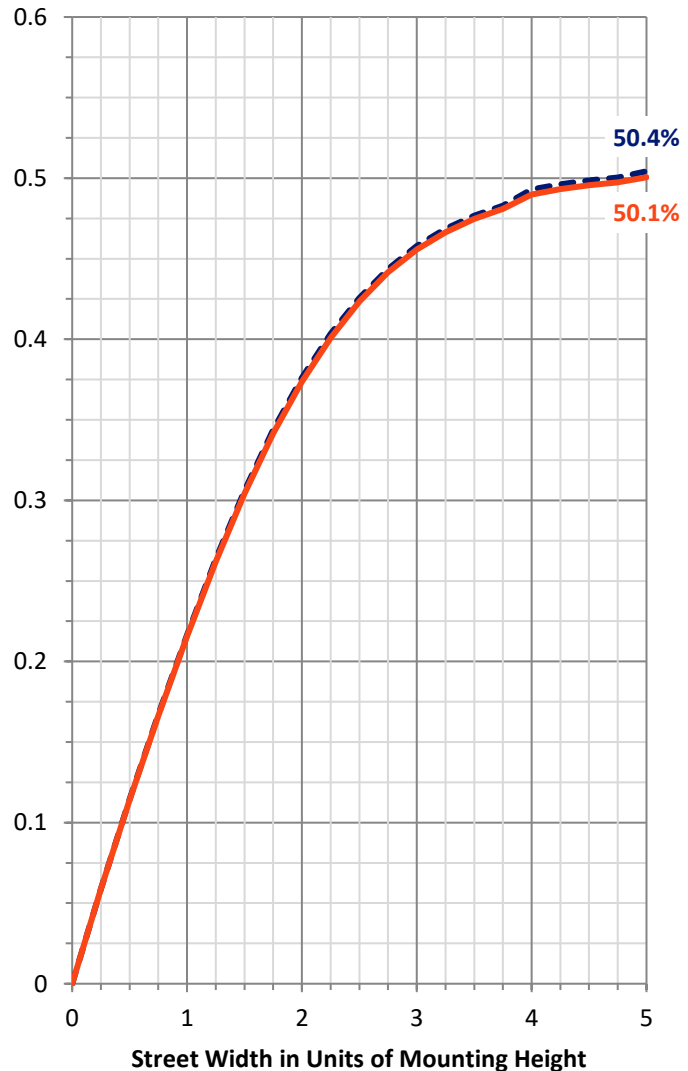
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4364.0	0.0	4364.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4364.0	0.0	4364.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8728.0	0.0	8728.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	0.8
10°-20°	195.8	2.2
20°-30°	333.9	3.8
30°-40°	521.7	6.0
40°-50°	884.2	10.1
50°-60°	1612.4	18.5
60°-70°	2775.8	31.8
70°-80°	2175.8	24.9
80°-90°	161.3	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°	8728.0	100.0
0°-180°	8728.0	100.0



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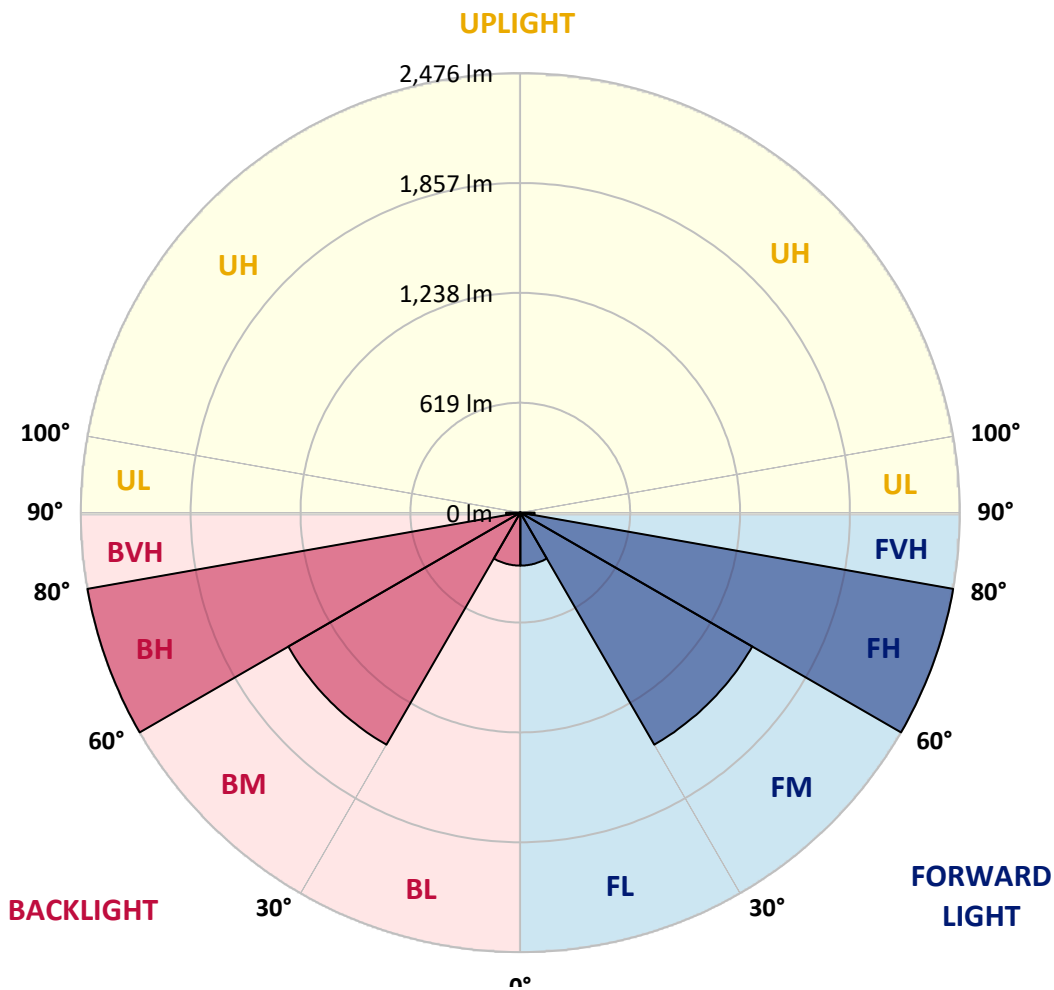
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.4	3.4			
FM (30°-60°)	1509.1	17.3			
FH (60°-80°)	2475.8	28.4			G2/5000
FVH (80°-90°)	80.7	0.9			G1/100
BL (0°-30°)	298.4	3.4	B1/500		
BM (30°-60°)	1509.1	17.3	B2/2500		
BH (60°-80°)	2475.8	28.4	B3/2500		G2/5000
BVH (80°-90°)	80.7	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°	718.3	718.3	718.3	718.3	718.3	718.3	718.3	718.3	718.3	718.3	718.3
2.5°	715.1	716.0	715.1	715.7	714.3	714.9	714.9	714.9	714.6	714.9	714.3
5°	708.8	709.4	708.2	708.8	707.9	708.8	709.1	708.8	708.2	708.5	707.3
7.5°	699.3	699.8	699.0	699.8	698.7	700.1	699.8	699.0	698.1	698.1	697.0
10°	694.1	694.4	692.0	691.2	688.6	689.2	690.0	690.9	691.8	693.5	693.2
12.5°	694.4	694.4	690.9	687.1	683.4	684.2	685.7	688.9	692.3	695.5	695.8
15°	697.2	697.0	691.8	685.7	683.1	685.7	686.6	688.6	694.1	699.5	699.8
17.5°	699.3	699.3	691.2	684.2	684.0	688.0	687.7	688.6	694.6	702.7	703.0
20°	703.0	703.0	692.6	685.1	685.1	689.4	689.7	691.2	697.2	706.2	707.6
22.5°	711.4	711.7	700.7	694.6	695.2	697.8	698.7	701.0	706.5	716.3	718.0
25°	723.2	723.8	712.5	709.1	711.1	716.0	715.4	717.2	723.2	732.8	734.5
27.5°	739.7	738.2	727.8	726.4	728.4	731.9	731.6	731.9	736.8	745.5	747.5
30°	761.0	760.5	753.0	753.8	753.0	751.8	752.1	754.4	757.0	763.9	766.0
32.5°	781.8	782.4	777.8	782.1	788.5	792.8	786.2	779.8	776.9	780.7	782.4
35°	819.4	820.8	813.6	810.7	819.4	832.1	813.3	802.9	808.7	813.6	815.0
37.5°	883.2	884.0	871.9	860.4	854.0	866.1	847.4	848.2	868.4	877.7	877.4
40°	955.9	956.2	948.1	938.0	927.1	929.9	922.4	924.7	938.0	946.4	948.7
42.5°	1042.5	1041.7	1029.0	1014.5	1011.4	1014.2	1001.5	999.8	1015.1	1030.1	1030.4
45°	1154.8	1152.8	1136.4	1120.5	1105.2	1098.8	1095.7	1104.0	1125.1	1139.0	1139.3
47.5°	1275.8	1270.3	1261.7	1249.0	1235.7	1229.3	1224.1	1228.2	1243.5	1249.0	1249.5
50°	1400.3	1401.4	1403.1	1398.2	1393.3	1391.3	1377.7	1369.9	1374.6	1364.5	1363.0
52.5°	1547.8	1550.1	1566.8	1581.0	1589.4	1593.7	1568.0	1541.1	1526.1	1506.5	1500.7
55°	1721.9	1725.6	1750.2	1789.4	1829.9	1851.2	1804.7	1754.5	1708.0	1671.4	1659.5
57.5°	1915.9	1922.5	1956.3	2031.7	2114.5	2165.1	2086.5	1995.3	1905.5	1852.7	1843.4
60°	2143.4	2149.7	2196.5	2304.5	2438.8	2514.7	2395.7	2246.5	2134.7	2084.2	2067.2
62.5°	2414.2	2414.8	2472.2	2598.4	2775.7	2881.3	2720.2	2520.7	2405.5	2344.6	2328.2
65°	2705.5	2707.0	2766.4	2902.7	3086.0	3201.0	3019.1	2811.2	2670.3	2580.5	2567.8
67.5°	2911.4	2917.4	2980.1	3144.1	3315.6	3419.2	3231.0	2996.0	2833.1	2726.0	2715.3
70°	2878.5	2902.1	2975.8	3167.2	3405.6	3553.5	3265.3	2974.0	2759.2	2632.8	2623.8
72.5°	2510.4	2555.7	2653.8	2905.0	3286.4	3490.0	3078.0	2663.7	2420.6	2312.9	2296.7
75°	1709.5	1783.1	1931.2	2293.5	2807.7	3021.7	2591.2	2123.8	1895.1	1746.1	1735.2
77.5°	762.2	778.9	966.6	1383.8	1937.5	2170.0	1882.7	1389.3	1042.8	831.8	787.3
80°	212.5	215.1	287.0	515.4	969.8	1275.0	1041.1	541.3	304.3	214.5	202.1
82.5°	67.6	73.3	89.5	133.7	326.0	581.8	334.6	144.4	102.8	82.0	73.9
85°	32.9	32.6	45.3	54.3	83.1	128.8	88.6	67.0	58.6	39.0	35.2
87.5°	13.9	14.1	21.1	19.1	24.3	20.8	28.6	30.0	31.5	17.3	15.0
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



Report Generated By 670245982

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