

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: P385706

Luminaire Tested: **GWC-SA1B-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385706
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-SA1B-740-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6412 lumens
Efficiency: N/A
Efficacy: 145.7 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): 44
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

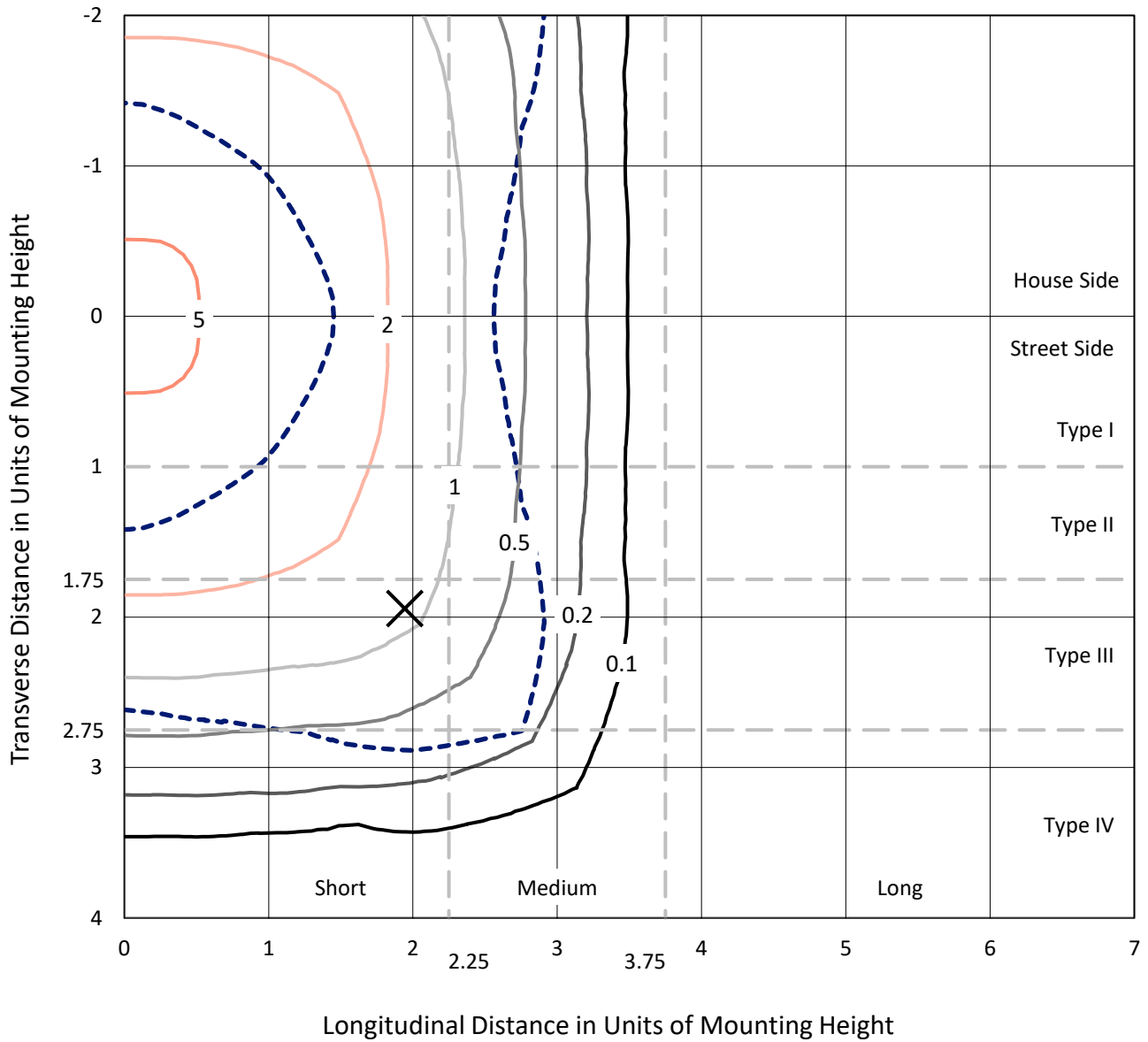




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Iso-Footcandle Lines of Horizontal Illumination

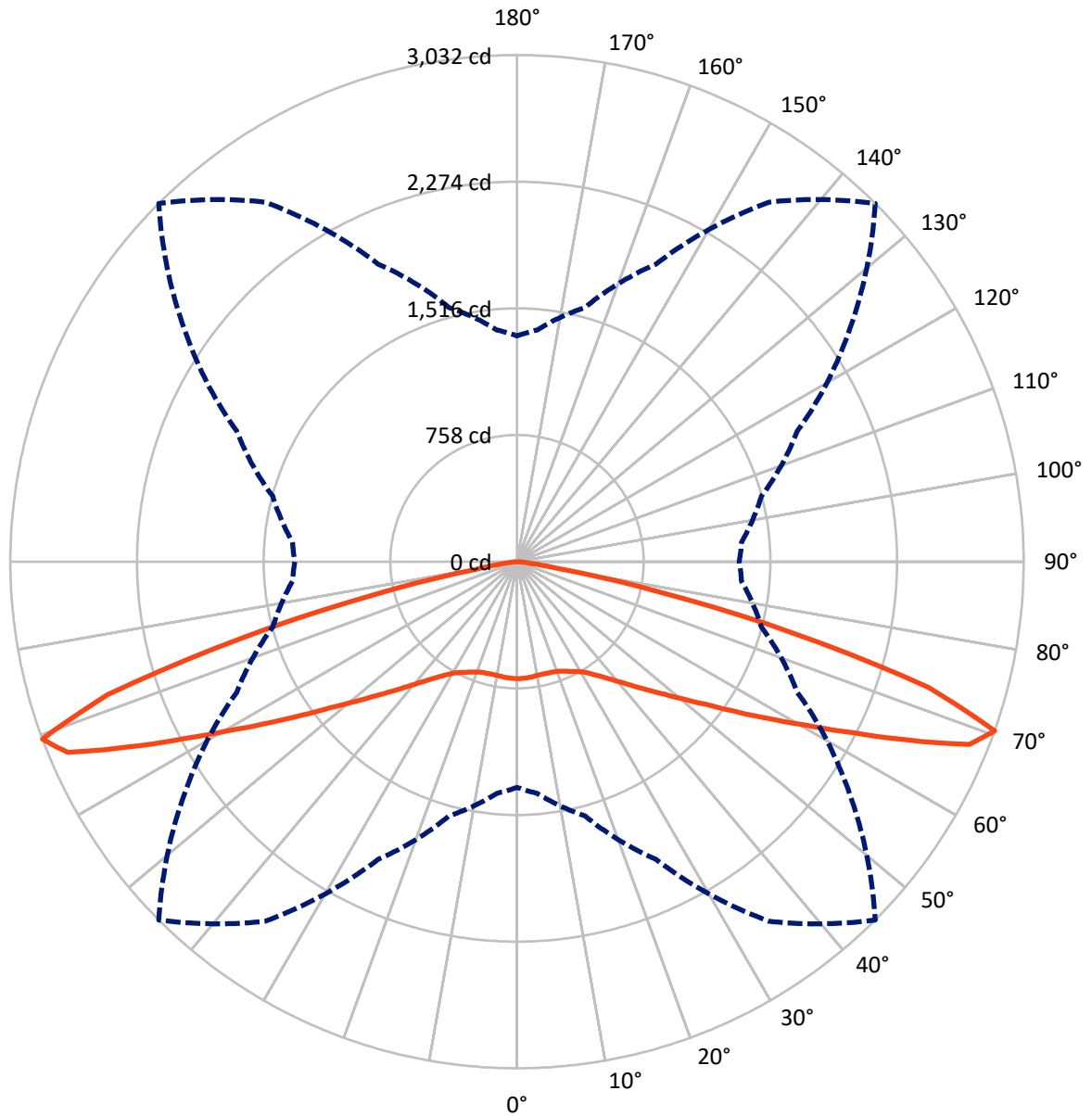
× Max cd
 - - - 1/2 Max cd



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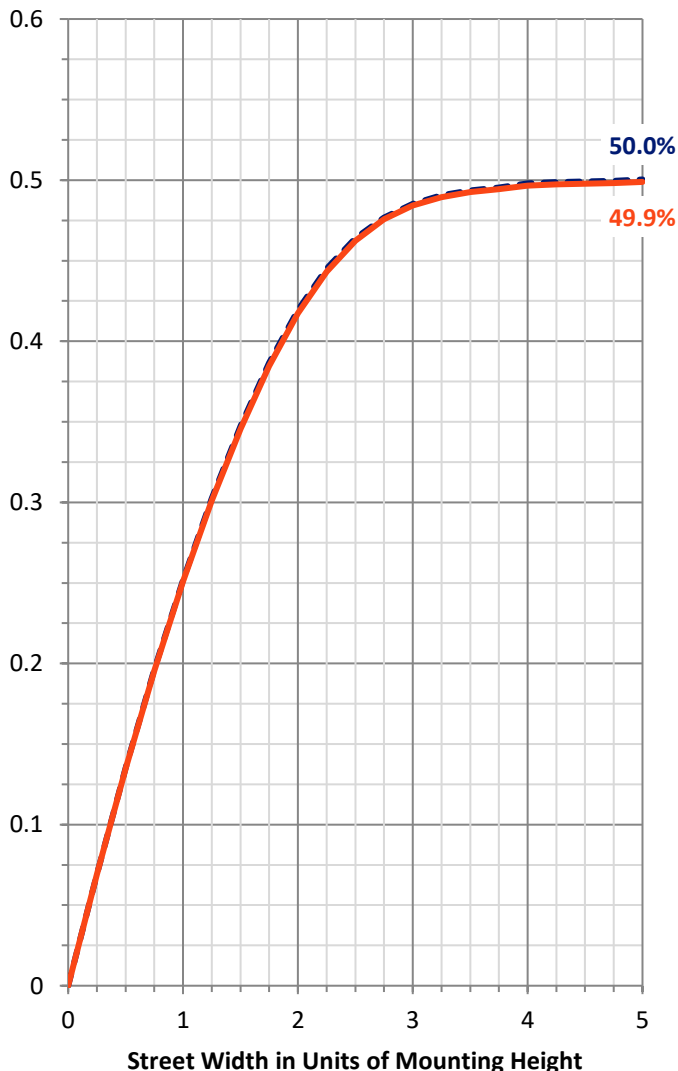
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3206.0	0.0	3206.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3206.0	0.0	3206.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6412.0	0.0	6412.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	1.0
10°-20°	194.7	3.0
20°-30°	331.5	5.2
30°-40°	525.7	8.2
40°-50°	855.5	13.3
50°-60°	1410.5	22.0
60°-70°	2070.7	32.3
70°-80°	915.6	14.3
80°-90°	41.5	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°	6412.0	100.0
0°-180°	6412.0	100.0

Coefficient of Utilization



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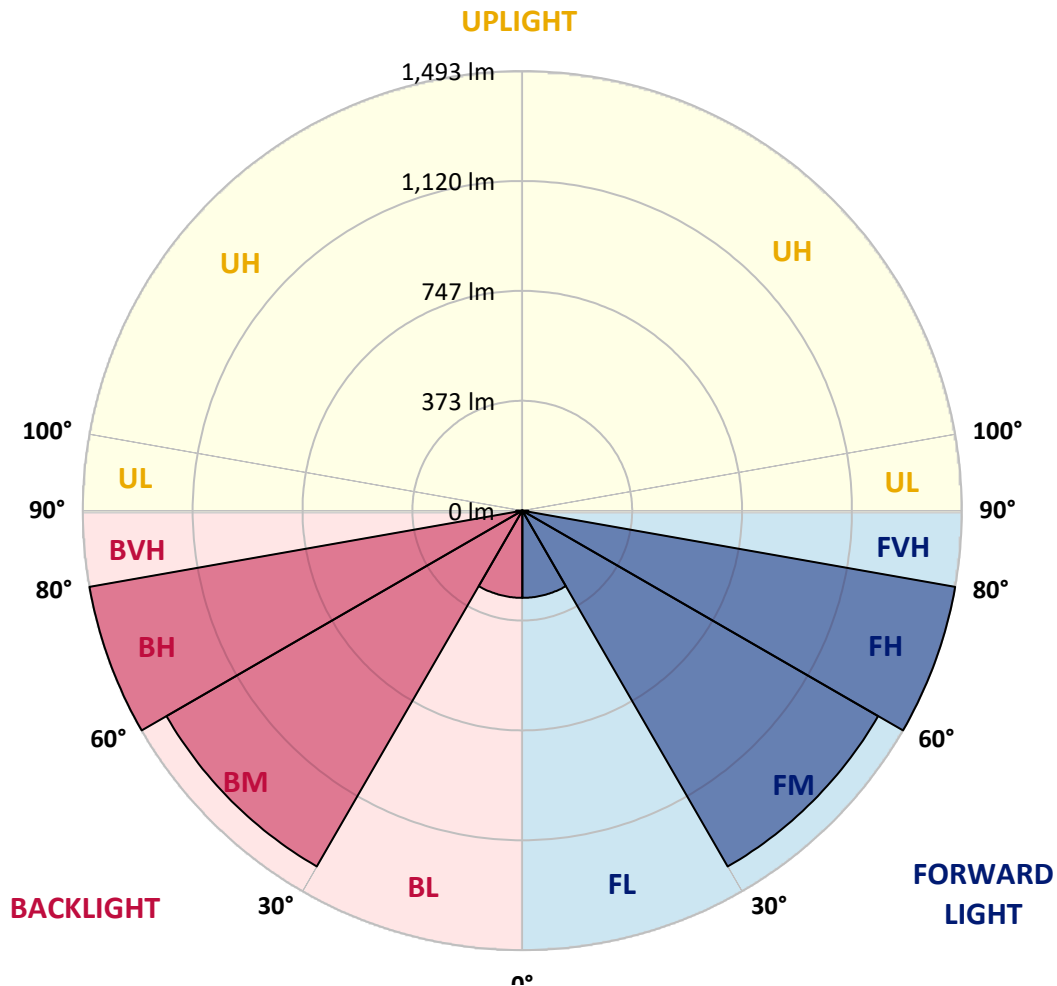
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.3	4.6			
FM (30°-60°)	1395.8	21.8			
FH (60°-80°)	1493.2	23.3			G1/1800
FVH (80°-90°)	20.7	0.3			G1/100
BL (0°-30°)	296.3	4.6	B1/500		
BM (30°-60°)	1395.8	21.8	B2/2500		
BH (60°-80°)	1493.2	23.3	B3/2500		G1/1800
BVH (80°-90°)	20.7	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°	700.3	700.3	700.3	700.3	700.3	700.3	700.3	700.3	700.3	700.3	700.3
2.5°	699.2	698.6	700.1	699.9	698.6	698.8	698.8	699.4	699.4	699.0	699.0
5°	696.7	696.3	698.0	698.0	696.7	697.1	697.5	698.2	698.0	697.5	697.3
7.5°	693.5	693.3	695.0	695.0	694.1	694.6	694.1	694.3	693.9	693.5	692.9
10°	688.2	688.6	690.1	690.5	690.5	690.7	690.3	689.3	688.6	688.0	687.3
12.5°	683.3	683.1	685.2	686.3	688.0	689.9	688.6	685.6	684.4	683.1	682.7
15°	680.1	680.3	682.5	684.4	687.3	691.4	689.9	685.2	682.7	681.2	680.8
17.5°	679.5	679.9	682.7	686.1	689.3	693.7	692.9	688.2	684.0	681.2	680.6
20°	681.0	681.2	685.4	690.3	695.8	700.1	698.2	693.1	687.3	683.1	682.0
22.5°	683.7	684.6	689.9	697.5	706.0	711.7	709.4	700.7	691.8	686.5	685.0
25°	692.4	692.7	699.9	710.3	720.5	727.0	724.3	712.0	700.5	694.6	692.7
27.5°	710.5	711.1	718.3	730.4	739.1	743.4	741.7	731.7	721.9	715.6	716.2
30°	736.6	737.4	745.5	758.9	764.2	765.2	764.8	760.1	751.2	742.7	743.4
32.5°	768.4	768.8	779.7	791.8	796.0	796.8	796.0	791.8	781.1	769.7	770.3
35°	809.4	810.6	821.0	832.7	836.1	837.8	836.3	830.8	819.8	808.5	808.1
37.5°	859.9	860.1	870.9	883.0	887.2	887.7	886.0	882.4	868.6	858.4	857.7
40°	918.4	919.3	932.0	945.0	946.7	944.8	947.1	945.0	930.7	919.1	921.0
42.5°	989.7	991.7	1006.9	1019.7	1014.8	1013.7	1015.2	1015.8	1004.4	990.2	988.9
45°	1072.7	1074.4	1093.5	1103.7	1100.5	1093.5	1096.5	1101.6	1085.7	1068.0	1069.7
47.5°	1167.4	1171.6	1192.0	1201.5	1193.7	1184.1	1189.9	1197.5	1178.8	1157.0	1155.9
50°	1272.6	1277.9	1305.1	1318.5	1310.6	1293.0	1302.5	1307.6	1280.7	1252.5	1250.1
52.5°	1384.9	1390.2	1424.3	1451.9	1446.8	1419.5	1432.8	1427.5	1396.5	1358.6	1355.6
55°	1512.0	1514.1	1551.0	1595.6	1600.7	1580.5	1579.7	1571.0	1525.1	1481.2	1479.1
57.5°	1642.7	1644.2	1691.9	1744.6	1768.6	1768.6	1744.8	1726.3	1665.4	1614.5	1609.2
60°	1783.8	1789.1	1842.0	1913.5	1969.5	1986.1	1944.0	1893.8	1827.5	1765.4	1759.2
62.5°	1909.5	1915.6	1996.5	2103.0	2193.0	2253.2	2150.5	2068.6	1948.1	1848.3	1836.7
65°	1925.4	1941.9	2059.7	2252.6	2454.0	2574.3	2377.4	2175.6	1955.9	1817.4	1805.5
67.5°	1758.4	1786.4	1945.5	2245.8	2662.0	2920.2	2522.3	2114.5	1815.0	1661.8	1648.7
70°	1351.1	1391.9	1575.4	1964.4	2626.1	3031.6	2431.5	1851.1	1513.3	1348.4	1329.9
72.5°	741.2	758.0	923.1	1345.2	2105.3	2576.2	2028.1	1368.7	1003.5	816.6	785.6
75°	235.1	241.1	325.1	550.5	1190.9	1706.4	1288.3	671.9	369.9	272.7	269.5
77.5°	104.4	105.0	117.6	160.6	410.2	864.5	492.7	182.9	126.1	110.1	113.7
80°	66.0	66.0	72.8	79.6	111.6	251.0	133.3	87.0	74.3	69.0	70.5
82.5°	31.6	35.0	47.3	50.9	61.3	84.5	68.3	56.9	49.7	36.9	34.4
85°	20.8	17.4	29.9	33.7	35.7	40.5	39.7	37.6	32.5	18.5	20.6
87.5°	9.3	8.9	15.5	14.2	13.4	10.2	15.3	18.9	18.2	9.1	9.1
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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