

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: P385484

Luminaire Tested: **GWC-SA1A-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385484
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-SA1A-735-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4924.3 lumens
Efficiency: N/A
Efficacy: 144.8 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

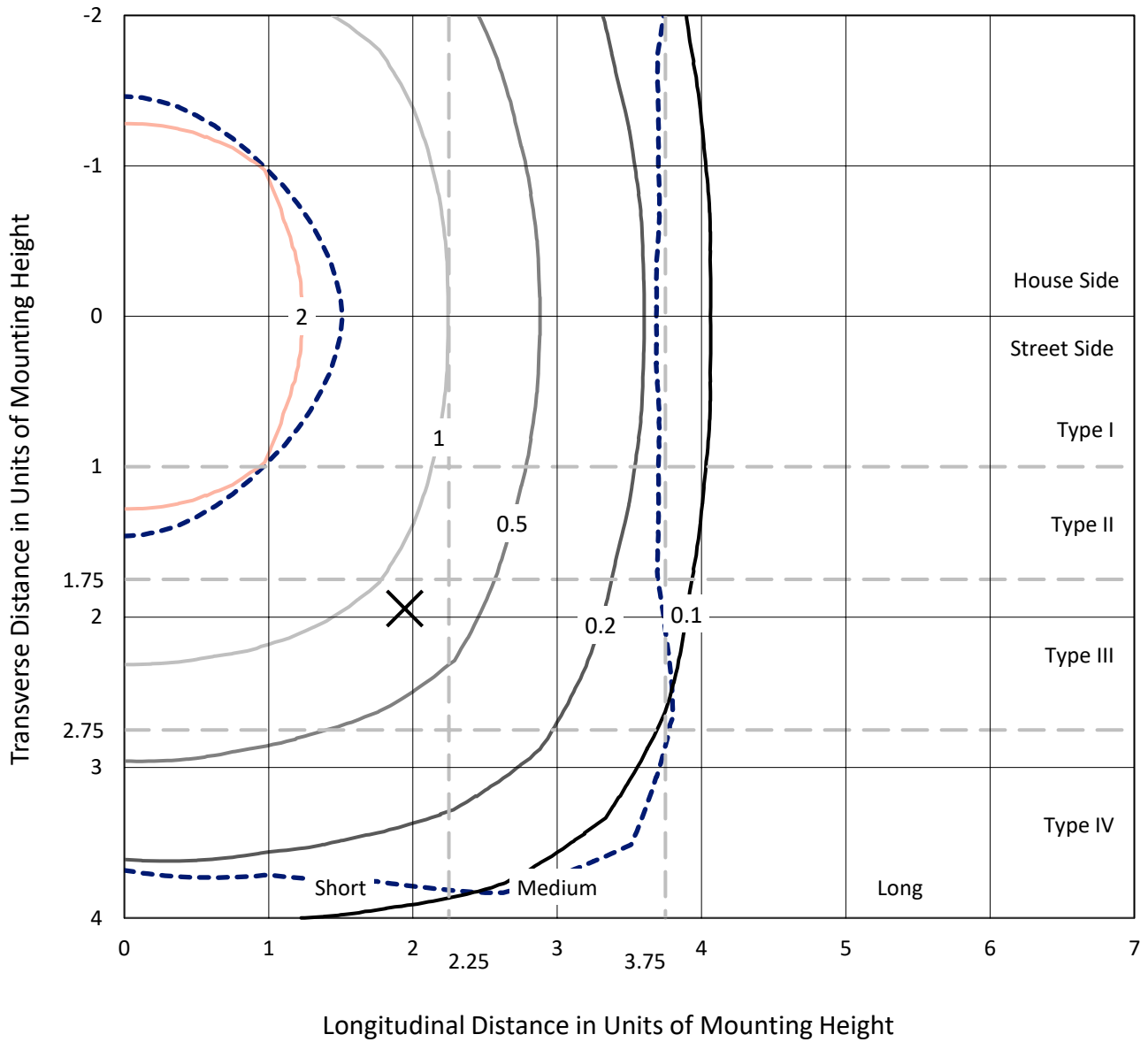
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

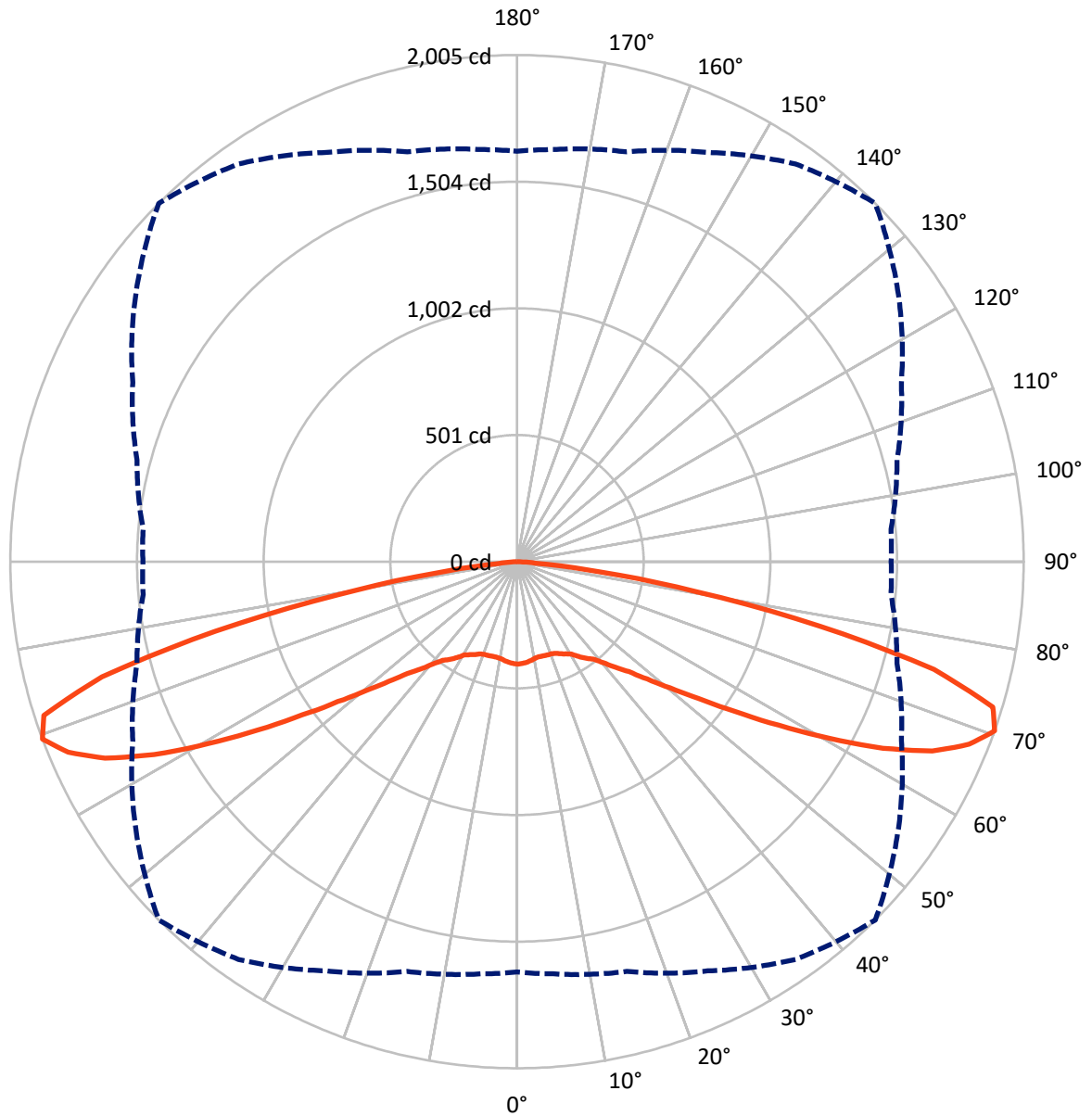
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 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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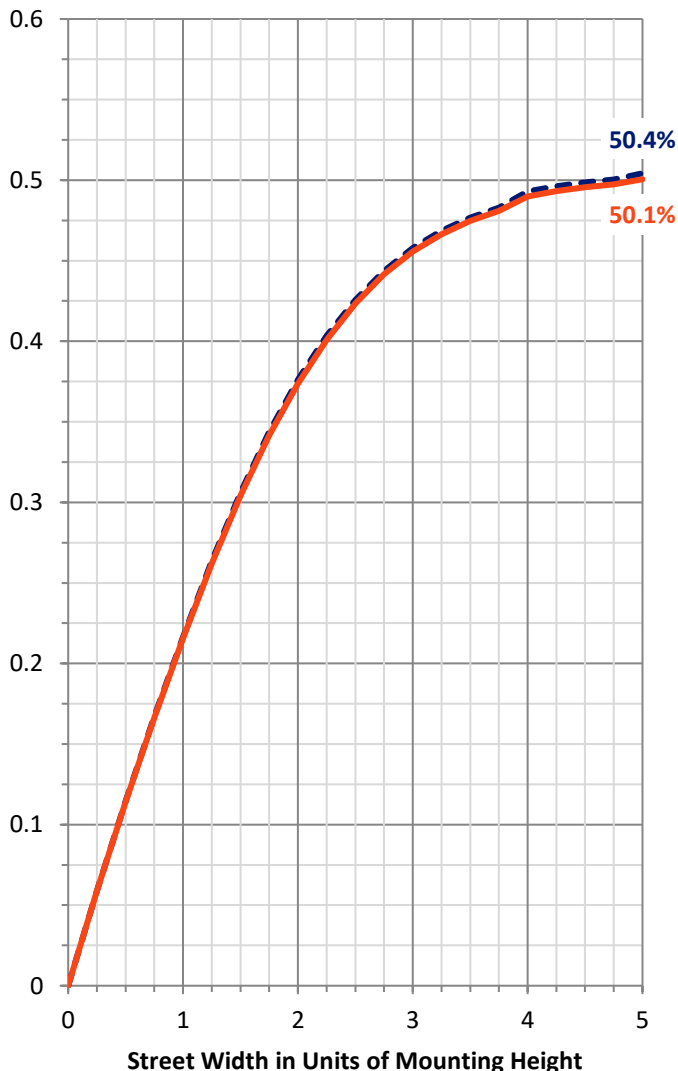
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2462.1	0.0	2462.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2462.1	0.0	2462.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4924.3	0.0	4924.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	0.8
10°-20°	110.5	2.2
20°-30°	188.4	3.8
30°-40°	294.3	6.0
40°-50°	498.9	10.1
50°-60°	909.7	18.5
60°-70°	1566.1	31.8
70°-80°	1227.6	24.9
80°-90°	91.0	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°	4924.3	100.0
0°-180°	4924.3	100.0

Coefficient of Utilization



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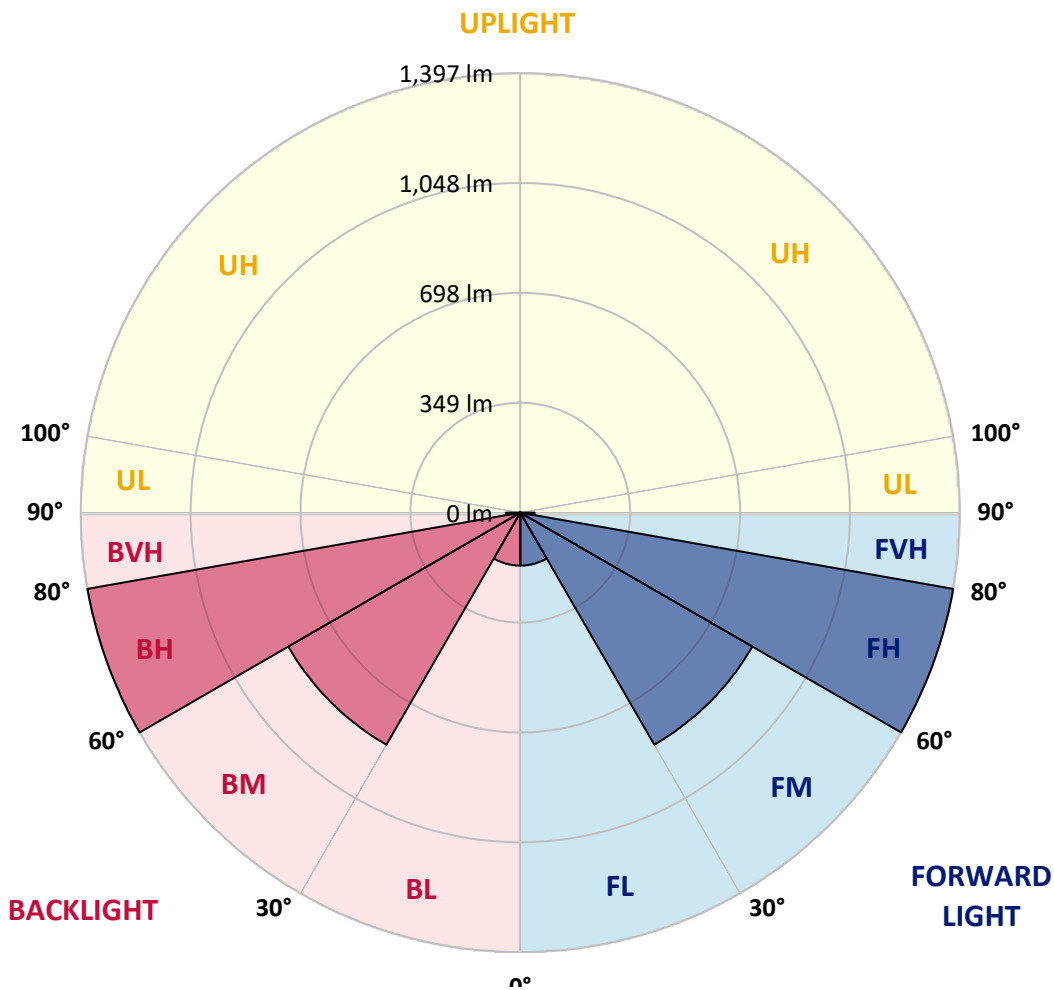
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.3	3.4			
FM (30°-60°)	851.4	17.3			
FH (60°-80°)	1396.8	28.4			G1/1800
FVH (80°-90°)	45.5	0.9			G1/100
BL (0°-30°)	168.3	3.4	B1/500		
BM (30°-60°)	851.4	17.3	B1/1000		
BH (60°-80°)	1396.8	28.4	B3/2500		G1/1800
BVH (80°-90°)	45.5	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3
2.5°	403.5	403.9	403.5	403.8	403.0	403.3	403.3	403.3	403.2	403.3	403.0
5°	399.9	400.2	399.5	399.9	399.4	399.9	400.1	399.9	399.5	399.7	399.1
7.5°	394.5	394.8	394.4	394.8	394.2	395.0	394.8	394.4	393.9	393.9	393.2
10°	391.6	391.7	390.4	389.9	388.5	388.8	389.3	389.8	390.3	391.3	391.1
12.5°	391.7	391.7	389.8	387.7	385.5	386.1	386.8	388.6	390.6	392.4	392.6
15°	393.4	393.2	390.3	386.8	385.4	386.8	387.3	388.5	391.6	394.6	394.8
17.5°	394.5	394.5	389.9	386.1	385.9	388.2	388.0	388.5	391.9	396.5	396.6
20°	396.6	396.6	390.8	386.6	386.6	389.0	389.2	389.9	393.4	398.4	399.2
22.5°	401.4	401.5	395.3	391.9	392.2	393.7	394.2	395.5	398.6	404.1	405.1
25°	408.1	408.4	402.0	400.1	401.2	403.9	403.7	404.6	408.1	413.4	414.4
27.5°	417.3	416.5	410.6	409.9	411.0	413.0	412.8	413.0	415.7	420.6	421.7
30°	429.4	429.0	424.8	425.3	424.8	424.1	424.3	425.6	427.1	431.0	432.1
32.5°	441.1	441.4	438.8	441.2	444.9	447.3	443.6	440.0	438.3	440.5	441.4
35°	462.3	463.1	459.0	457.4	462.3	469.4	458.9	453.0	456.3	459.0	459.8
37.5°	498.3	498.7	492.0	485.4	481.8	488.7	478.1	478.5	490.0	495.2	495.1
40°	539.3	539.5	534.9	529.3	523.1	524.7	520.4	521.7	529.3	534.0	535.3
42.5°	588.2	587.7	580.5	572.4	570.6	572.3	565.0	564.1	572.7	581.2	581.4
45°	651.6	650.4	641.1	632.2	623.6	620.0	618.2	622.9	634.7	642.6	642.7
47.5°	719.9	716.8	711.9	704.6	697.1	693.6	690.6	692.9	701.5	704.6	705.0
50°	790.0	790.7	791.6	788.9	786.1	785.0	777.3	772.9	775.6	769.8	769.0
52.5°	873.3	874.6	884.0	892.0	896.7	899.2	884.6	869.5	861.0	850.0	846.7
55°	971.5	973.6	987.4	1009.6	1032.4	1044.4	1018.2	989.8	963.6	943.0	936.3
57.5°	1081.0	1084.7	1103.8	1146.2	1193.0	1221.5	1177.2	1125.8	1075.0	1045.3	1040.1
60°	1209.3	1212.9	1239.2	1300.2	1375.9	1418.8	1351.7	1267.4	1204.4	1175.9	1166.3
62.5°	1362.1	1362.4	1394.8	1466.0	1566.1	1625.6	1534.8	1422.1	1357.2	1322.9	1313.6
65°	1526.4	1527.3	1560.8	1637.7	1741.2	1806.0	1703.3	1586.1	1506.6	1455.9	1448.7
67.5°	1642.6	1646.0	1681.3	1773.9	1870.6	1929.1	1822.9	1690.3	1598.5	1538.0	1532.0
70°	1624.0	1637.4	1678.9	1786.9	1921.4	2004.9	1842.2	1677.9	1556.8	1485.4	1480.4
72.5°	1416.3	1441.9	1497.3	1639.0	1854.2	1969.1	1736.6	1502.8	1365.7	1304.9	1295.8
75°	964.5	1006.0	1089.6	1294.0	1584.1	1704.8	1462.0	1198.2	1069.2	985.1	978.9
77.5°	430.1	439.4	545.3	780.7	1093.2	1224.3	1062.2	783.8	588.3	469.3	444.2
80°	119.9	121.4	162.0	290.7	547.1	719.3	587.4	305.4	171.7	121.0	114.0
82.5°	38.1	41.3	50.5	75.4	183.9	328.2	188.8	81.4	58.0	46.2	41.7
85°	18.6	18.4	25.6	30.6	46.9	72.6	50.0	37.8	33.1	22.0	19.9
87.5°	7.8	8.0	11.9	10.7	13.7	11.7	16.2	16.9	17.8	9.8	8.5
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



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