

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: P385707

Luminaire Tested: **GWC-SA1B-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1B-735-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5914.4 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

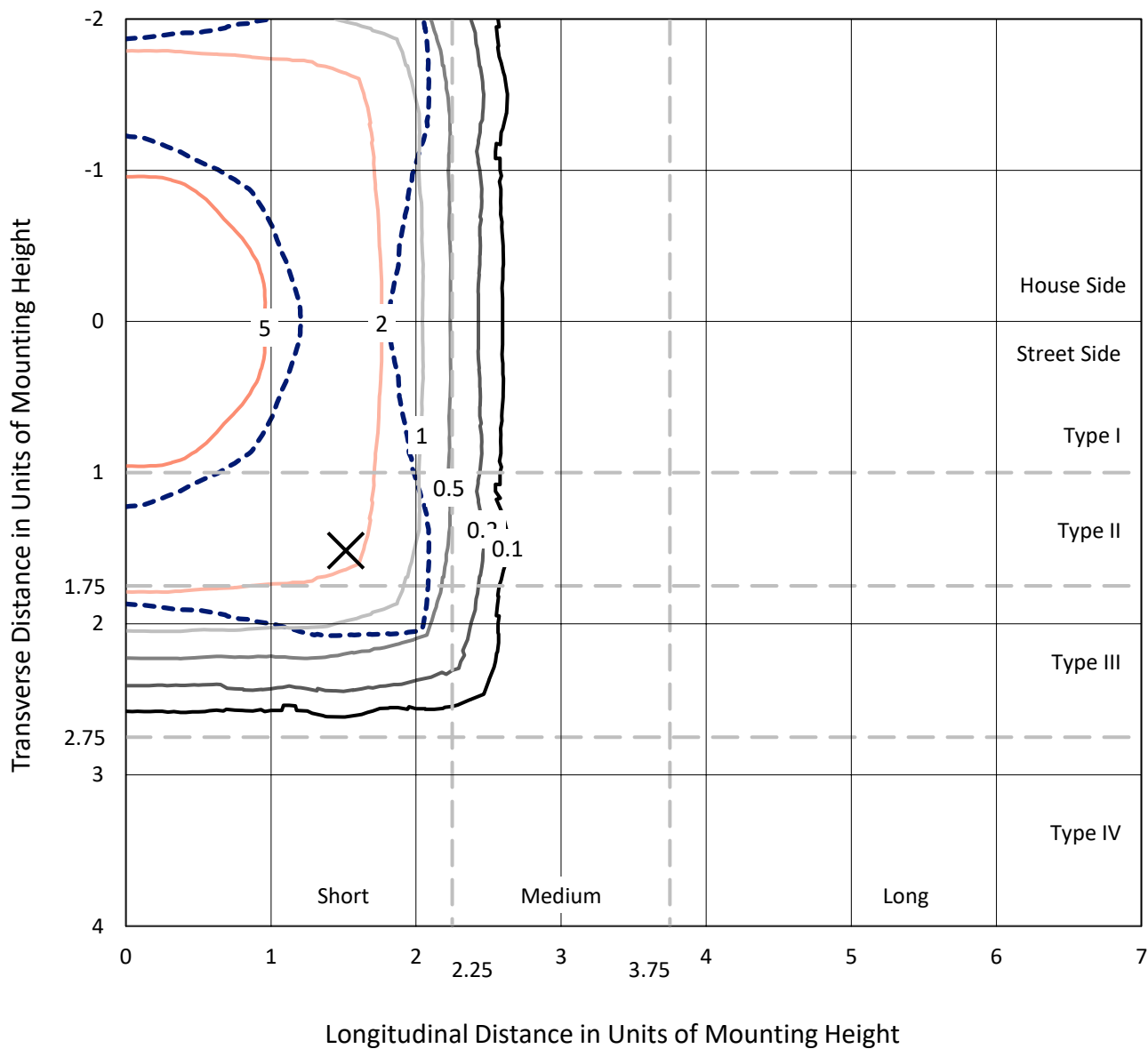
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

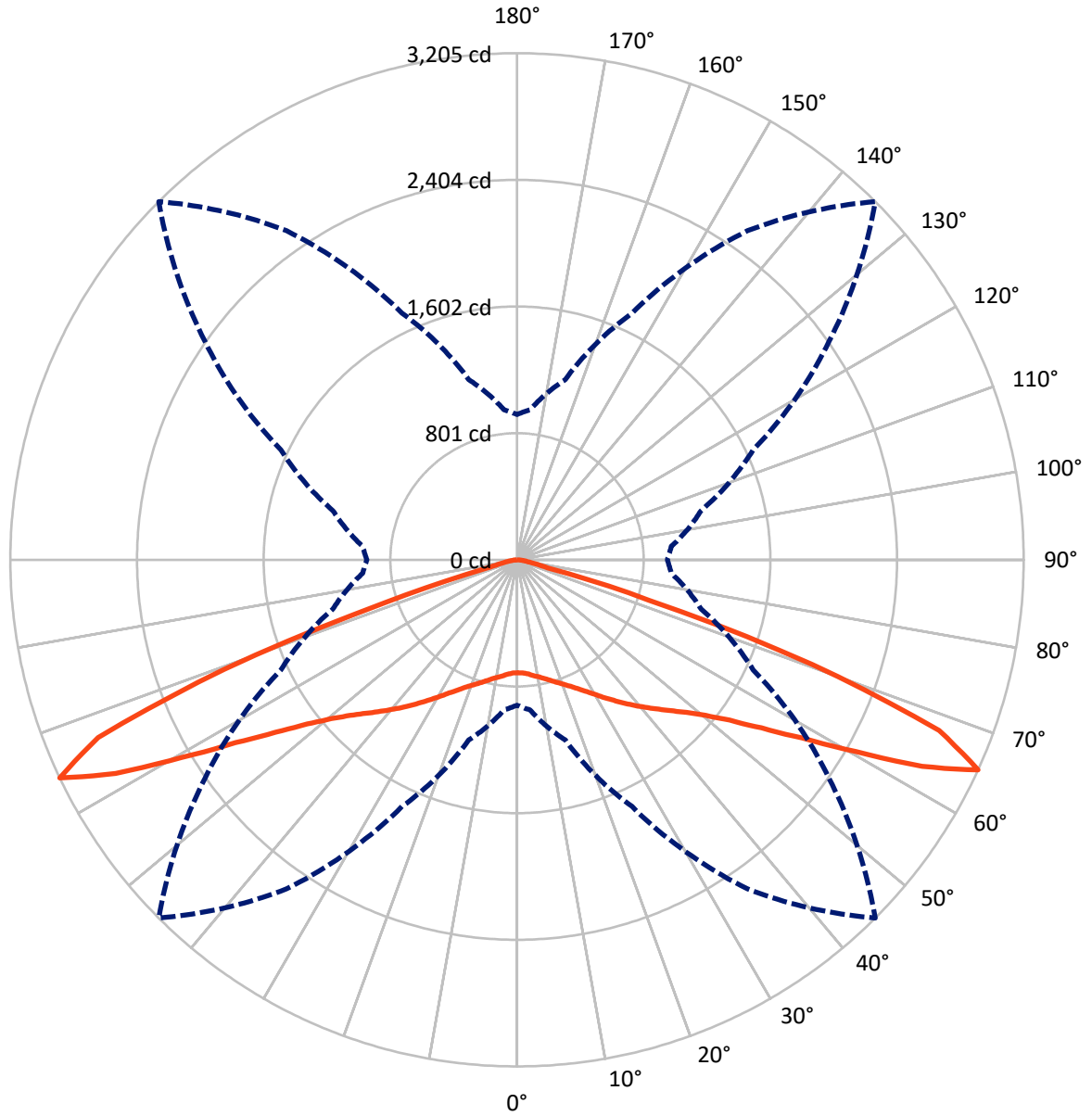
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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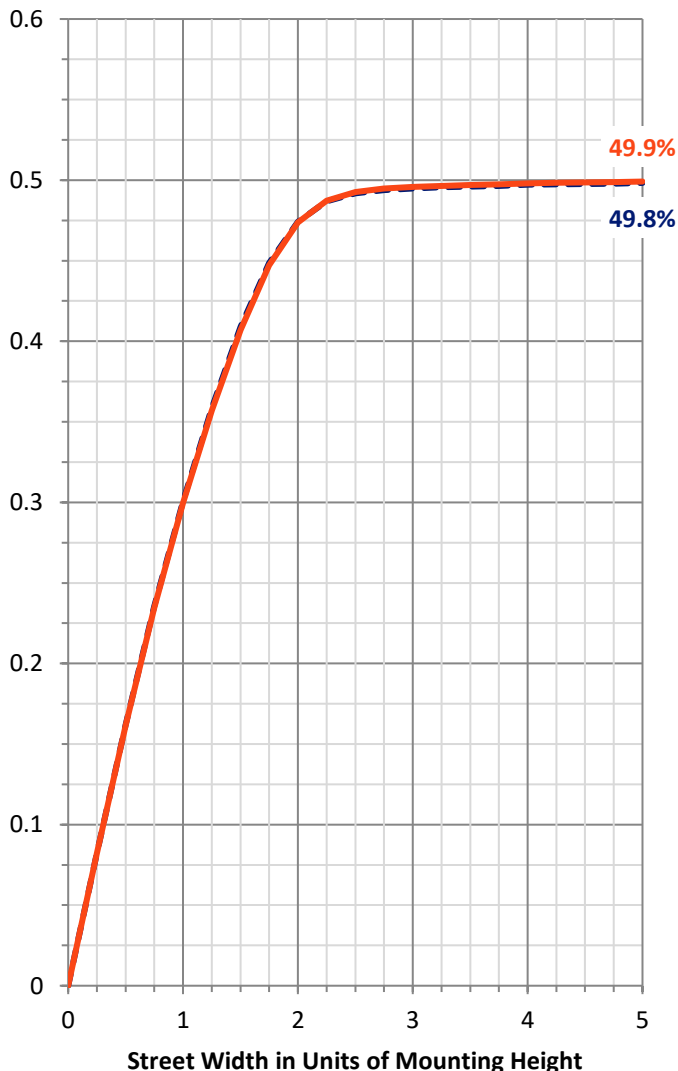
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2957.2	0.0	2957.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2957.2	0.0	2957.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5914.4	0.0	5914.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	1.2
10°-20°	225.2	3.8
20°-30°	422.6	7.1
30°-40°	698.9	11.8
40°-50°	1082.5	18.3
50°-60°	1660.3	28.1
60°-70°	1549.2	26.2
70°-80°	180.3	3.0
80°-90°	25.3	0.4
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°	5914.4	100.0
0°-180°	5914.4	100.0

Coefficient of Utilization



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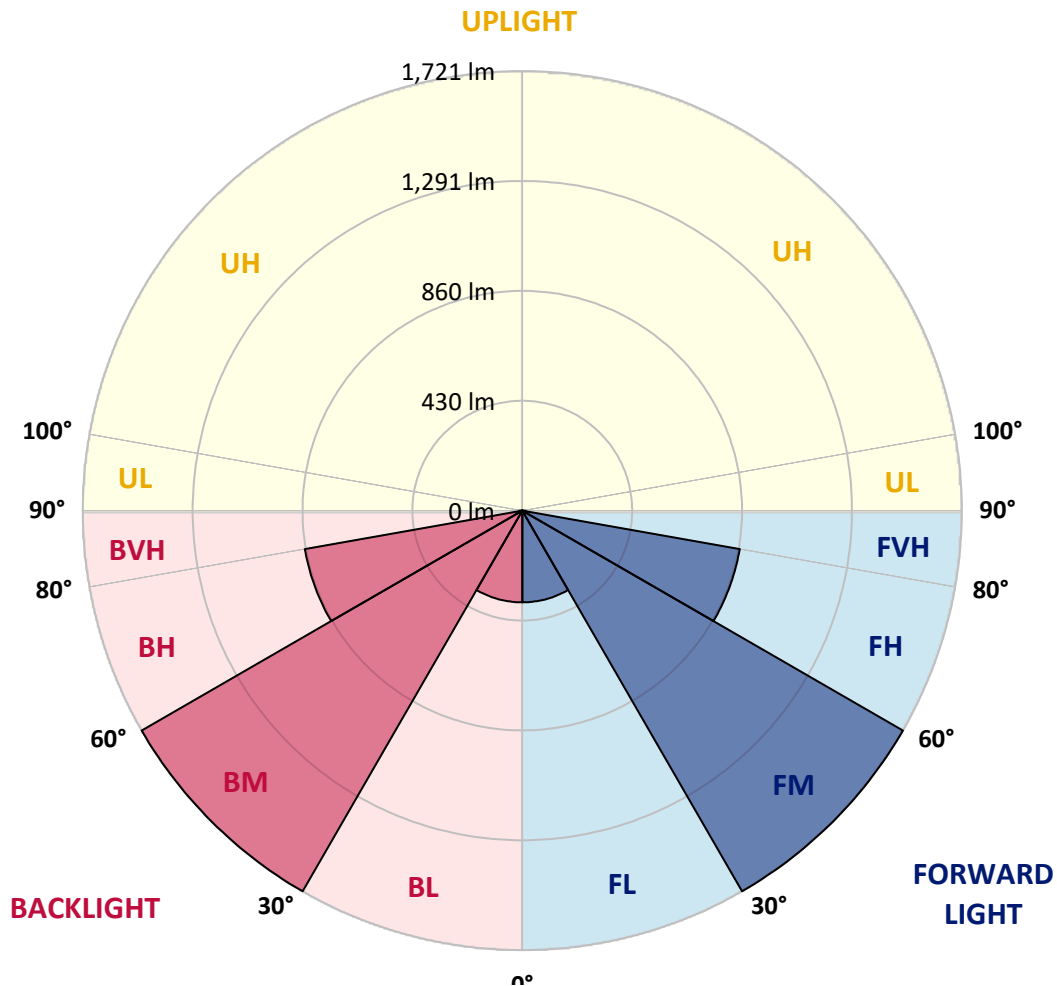
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.0	6.1			
FM (30°-60°)	1720.8	29.1			
FH (60°-80°)	864.8	14.6			G1/1800
FVH (80°-90°)	12.7	0.2			G1/100
BL (0°-30°)	359.0	6.1	B1/500		
BM (30°-60°)	1720.8	29.1	B2/2500		
BH (60°-80°)	864.8	14.6	B2/1000		G1/1800
BVH (80°-90°)	12.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	714.2	714.2	714.2	714.2	714.2	714.2	714.2	714.2	714.2	714.2	714.2
2.5°	716.6	716.2	716.6	716.8	715.6	716.2	716.0	716.9	717.4	716.9	716.9
5°	724.8	724.3	725.0	726.1	724.5	724.8	724.3	725.4	725.9	725.0	725.6
7.5°	736.2	736.4	737.2	739.0	738.0	738.7	737.6	737.8	737.6	736.4	736.6
10°	748.6	748.8	750.2	752.5	752.9	752.9	752.2	751.5	750.8	750.0	750.2
12.5°	763.5	764.5	765.5	768.4	768.4	770.0	769.6	768.0	766.6	765.5	765.5
15°	783.7	783.5	784.8	787.7	789.0	791.6	791.6	789.5	787.7	786.5	786.1
17.5°	805.0	805.5	806.3	809.9	812.0	814.9	815.4	813.6	812.4	810.8	809.9
20°	829.7	830.7	833.8	835.2	837.2	839.9	840.9	840.5	839.3	838.5	838.7
22.5°	858.5	861.0	863.0	865.0	867.3	869.3	870.3	871.7	870.5	870.0	869.5
25°	893.5	895.2	899.2	902.8	904.3	904.9	906.0	908.0	907.8	906.4	906.4
27.5°	933.2	936.5	941.4	946.5	946.5	944.6	948.5	951.8	950.7	948.9	946.5
30°	981.3	984.4	990.1	997.2	993.6	992.3	997.5	1003.6	1001.9	999.0	998.5
32.5°	1033.1	1036.1	1043.5	1051.2	1046.6	1044.7	1050.3	1059.2	1056.1	1050.1	1046.6
35°	1089.2	1092.1	1102.8	1112.0	1104.4	1101.0	1105.8	1115.3	1109.8	1098.8	1096.1
37.5°	1150.3	1151.9	1165.6	1175.0	1169.7	1160.9	1166.8	1173.9	1169.2	1155.8	1150.5
40°	1213.7	1219.4	1235.3	1246.3	1237.1	1223.1	1233.0	1242.7	1235.7	1218.6	1209.6
42.5°	1287.7	1292.0	1313.3	1323.0	1308.1	1288.5	1301.8	1315.2	1308.1	1291.7	1283.8
45°	1364.7	1371.3	1396.7	1406.5	1384.9	1360.0	1376.3	1399.6	1399.0	1375.3	1367.0
47.5°	1448.5	1455.2	1485.5	1498.3	1475.0	1441.6	1464.6	1497.6	1495.2	1469.1	1462.4
50°	1545.3	1552.3	1590.0	1606.4	1584.6	1545.7	1580.2	1609.3	1605.0	1572.8	1573.4
52.5°	1666.9	1666.4	1713.4	1741.6	1719.3	1684.9	1716.6	1744.9	1727.1	1682.5	1681.1
55°	1773.2	1779.7	1837.8	1891.5	1890.1	1876.9	1889.7	1890.8	1839.8	1780.5	1773.2
57.5°	1843.1	1855.5	1937.4	2034.4	2107.0	2124.4	2099.7	2024.8	1905.2	1810.3	1798.8
60°	1800.2	1818.9	1947.6	2145.3	2359.3	2462.0	2322.4	2089.7	1854.4	1722.2	1706.5
62.5°	1510.0	1541.7	1730.1	2091.7	2576.4	2876.6	2483.8	1985.5	1652.1	1470.2	1443.2
65°	919.6	953.2	1180.2	1721.6	2541.2	3204.8	2410.1	1648.0	1205.8	979.5	950.4
67.5°	306.4	316.3	450.0	951.6	1997.2	2879.5	2000.6	986.6	524.7	347.9	337.7
70°	120.0	120.9	142.7	275.8	943.2	1977.8	1040.8	280.8	149.2	118.0	120.5
72.5°	88.1	88.6	94.6	115.3	245.8	871.3	254.7	115.8	92.1	82.7	82.7
75°	70.8	70.8	75.2	84.0	110.1	199.9	111.7	83.0	72.1	65.9	65.2
77.5°	56.0	57.1	60.5	66.1	74.6	96.2	77.3	65.8	58.1	52.4	51.2
80°	41.6	42.8	48.3	51.0	53.6	66.8	57.1	51.5	45.9	39.3	38.0
82.5°	27.3	28.5	35.3	36.9	36.4	43.6	38.5	37.9	33.7	25.4	24.1
85°	17.8	18.2	23.6	24.5	22.5	19.8	24.5	25.9	23.6	16.5	15.9
87.5°	8.5	8.5	11.9	11.2	10.2	8.3	11.2	13.2	13.3	8.1	7.9
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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