

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: P385874

Luminaire Tested: **GWC-SA1C-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385874
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-SA1C-727-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6635 lumens
Efficiency: N/A
Efficacy: 112.5 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): 59
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



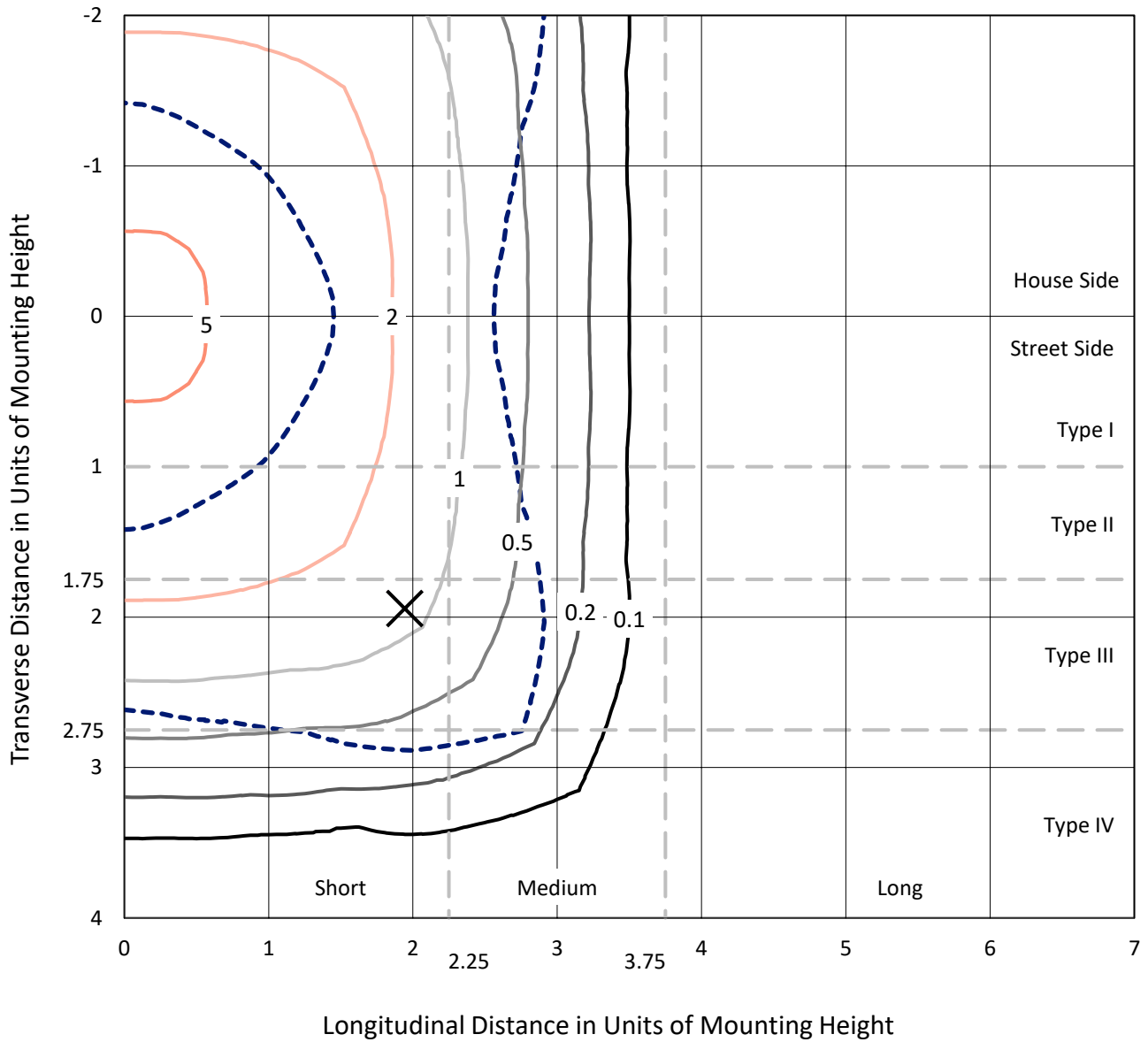
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Iso-Footcandle Lines of Horizontal Illumination

x Max cd

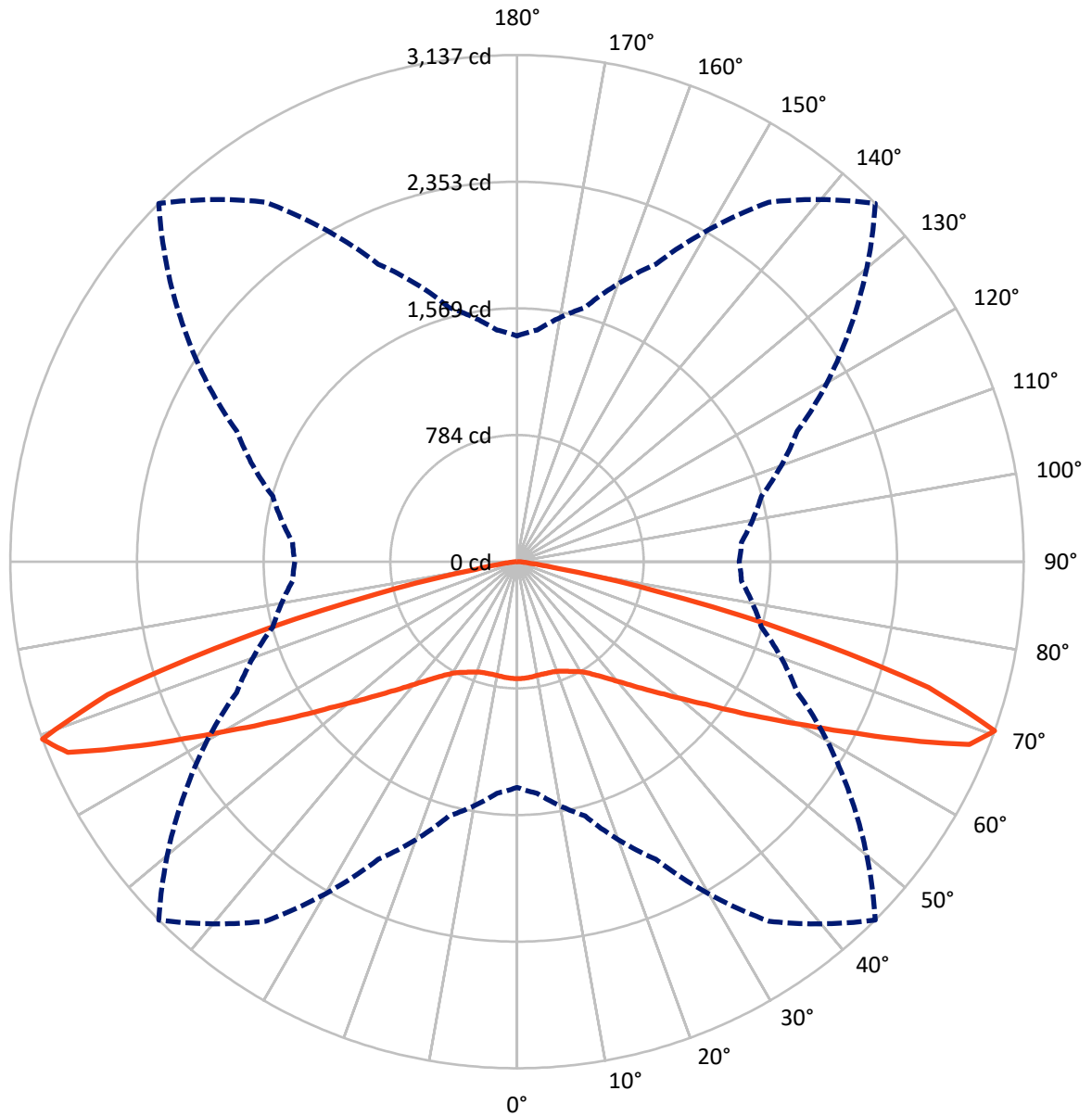
--- 1/2 Max cd



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 70-Deg Vertical

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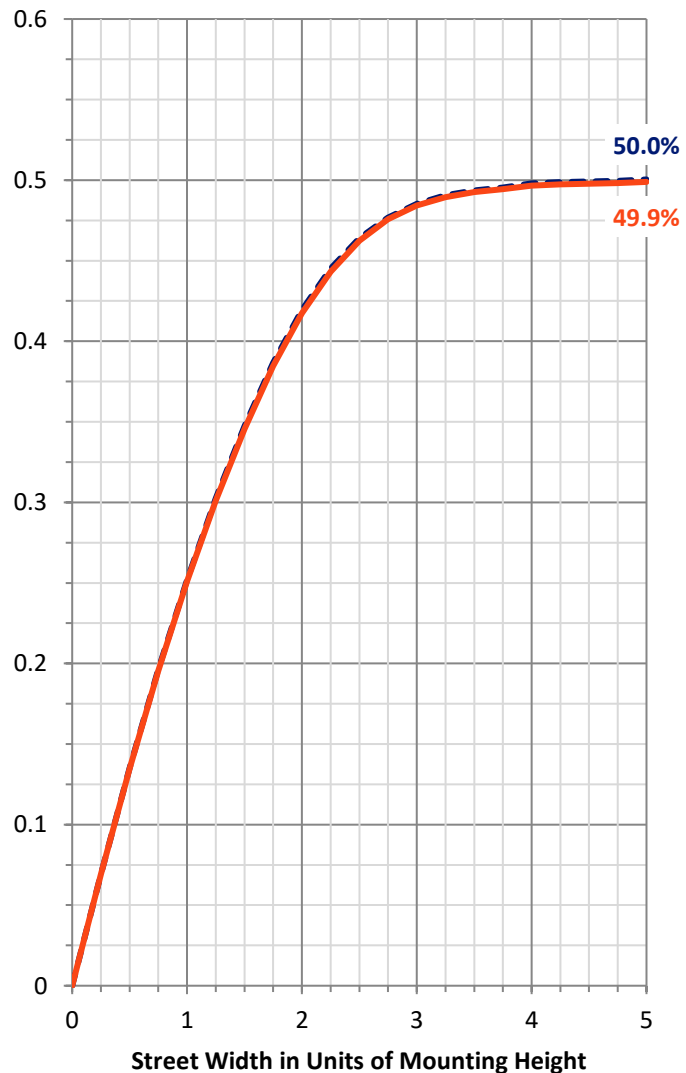
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3317.5	0.0	3317.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3317.5	0.0	3317.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6635.0	0.0	6635.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	1.0
10°-20°	201.5	3.0
20°-30°	343.0	5.2
30°-40°	544.0	8.2
40°-50°	885.2	13.3
50°-60°	1459.6	22.0
60°-70°	2142.7	32.3
70°-80°	947.5	14.3
80°-90°	42.9	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°	6635.0	100.0
0°-180°	6635.0	100.0



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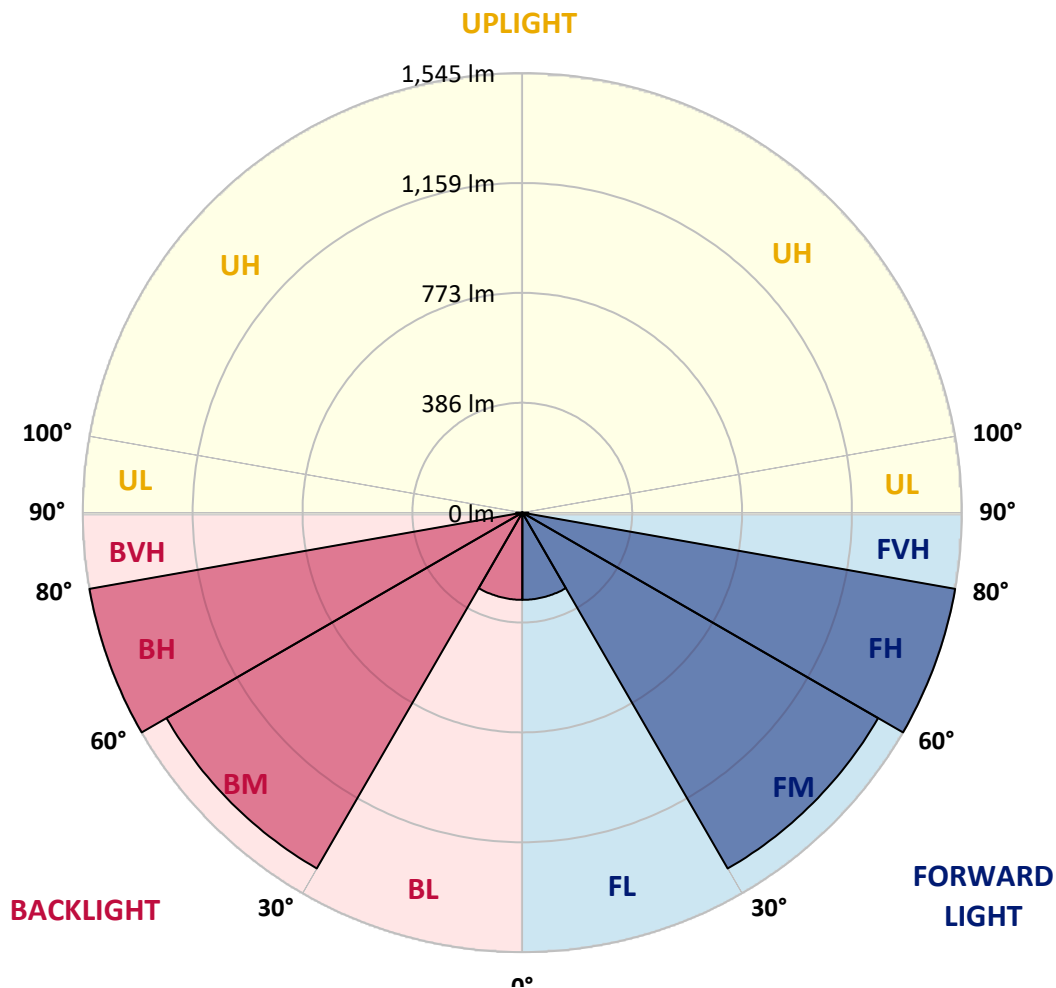
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.6	4.6			
FM (30°-60°)	1444.4	21.8			
FH (60°-80°)	1545.1	23.3			G1/1800
FVH (80°-90°)	21.5	0.3			G1/100
BL (0°-30°)	306.6	4.6	B1/500		
BM (30°-60°)	1444.4	21.8	B2/2500		
BH (60°-80°)	1545.1	23.3	B3/2500		G1/1800
BVH (80°-90°)	21.5	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°	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6
2.5°	723.5	722.9	724.4	724.2	722.9	723.1	723.1	723.8	723.8	723.3	723.3
5°	720.9	720.5	722.2	722.2	720.9	721.4	721.8	722.4	722.2	721.8	721.6
7.5°	717.6	717.4	719.2	719.2	718.3	718.7	718.3	718.5	718.1	717.6	717.0
10°	712.1	712.6	714.1	714.5	714.5	714.8	714.3	713.2	712.6	711.9	711.3
12.5°	707.1	706.9	709.1	710.2	711.9	713.9	712.6	709.5	708.2	706.9	706.4
15°	703.8	704.0	706.2	708.2	711.3	715.4	713.9	709.1	706.4	704.9	704.4
17.5°	703.1	703.6	706.4	709.9	713.2	717.8	717.0	712.1	707.7	704.9	704.2
20°	704.7	704.9	709.3	714.3	720.0	724.4	722.4	717.2	711.3	706.9	705.8
22.5°	707.5	708.4	713.9	721.8	730.6	736.5	734.1	725.1	715.9	710.4	708.8
25°	716.5	716.7	724.2	735.0	745.5	752.3	749.5	736.7	724.9	718.7	716.7
27.5°	735.2	735.8	743.3	755.8	764.8	769.2	767.5	757.1	747.0	740.5	741.1
30°	762.2	763.1	771.4	785.3	790.7	791.8	791.4	786.6	777.3	768.6	769.2
32.5°	795.1	795.6	806.8	819.3	823.7	824.6	823.7	819.3	808.3	796.5	797.1
35°	837.5	838.8	849.6	861.7	865.2	866.9	865.4	859.7	848.3	836.6	836.2
37.5°	889.8	890.0	901.2	913.7	918.1	918.5	916.8	913.1	898.8	888.2	887.6
40°	950.4	951.3	964.4	977.8	979.6	977.6	980.0	977.8	963.1	951.0	953.0
42.5°	1024.2	1026.1	1042.0	1055.1	1050.1	1049.0	1050.5	1051.2	1039.3	1024.6	1023.3
45°	1110.0	1111.8	1131.5	1142.1	1138.8	1131.5	1134.6	1139.9	1123.4	1105.2	1107.0
47.5°	1208.0	1212.4	1233.4	1243.3	1235.2	1225.3	1231.2	1239.1	1219.8	1197.2	1196.1
50°	1316.9	1322.4	1350.5	1364.3	1356.2	1338.0	1347.8	1353.1	1325.2	1296.0	1293.6
52.5°	1433.0	1438.5	1473.9	1502.4	1497.2	1468.8	1482.7	1477.2	1445.1	1405.8	1402.7
55°	1564.6	1566.8	1605.0	1651.1	1656.4	1635.5	1634.6	1625.6	1578.2	1532.7	1530.5
57.5°	1699.8	1701.4	1750.8	1805.2	1830.1	1830.1	1805.5	1786.4	1723.3	1670.6	1665.1
60°	1845.9	1851.4	1906.0	1980.0	2038.0	2055.1	2011.7	1959.6	1891.1	1826.8	1820.4
62.5°	1975.9	1982.2	2065.9	2176.1	2269.2	2331.6	2225.3	2140.6	2015.8	1912.6	1900.5
65°	1992.3	2009.5	2131.3	2330.9	2539.3	2663.8	2460.1	2251.2	2024.0	1880.6	1868.3
67.5°	1819.5	1848.5	2013.2	2323.9	2754.5	3021.8	2610.0	2188.0	1878.1	1719.6	1706.0
70°	1398.1	1440.3	1630.2	2032.7	2717.4	3137.1	2516.1	1915.5	1565.9	1395.3	1376.2
72.5°	767.0	784.4	955.2	1392.0	2178.5	2665.8	2098.6	1416.4	1038.4	845.0	812.9
75°	243.3	249.5	336.4	569.6	1232.3	1765.7	1333.1	695.2	382.7	282.2	278.9
77.5°	108.0	108.7	121.7	166.2	424.5	894.6	509.9	189.3	130.4	114.0	117.7
80°	68.3	68.3	75.3	82.3	115.5	259.8	137.9	90.0	76.9	71.4	72.9
82.5°	32.7	36.2	49.0	52.7	63.5	87.4	70.7	58.8	51.4	38.2	35.6
85°	21.5	18.0	31.0	34.9	36.9	41.9	41.1	38.9	33.6	19.1	21.3
87.5°	9.7	9.2	16.0	14.7	13.8	10.5	15.8	19.5	18.9	9.4	9.4
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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