

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: P385683

Luminaire Tested: **GWC-SA1B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1B-730-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5681 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

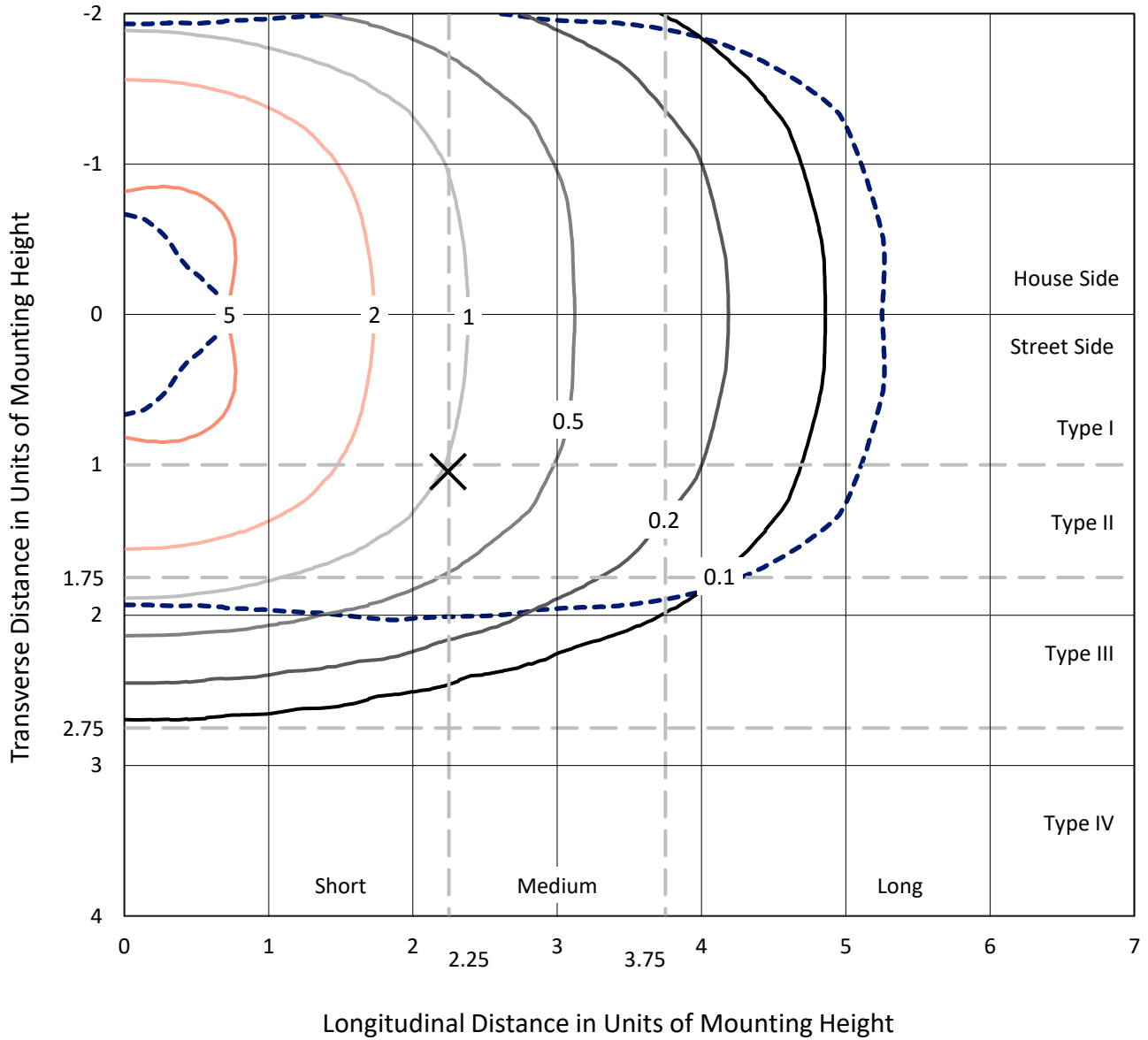
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

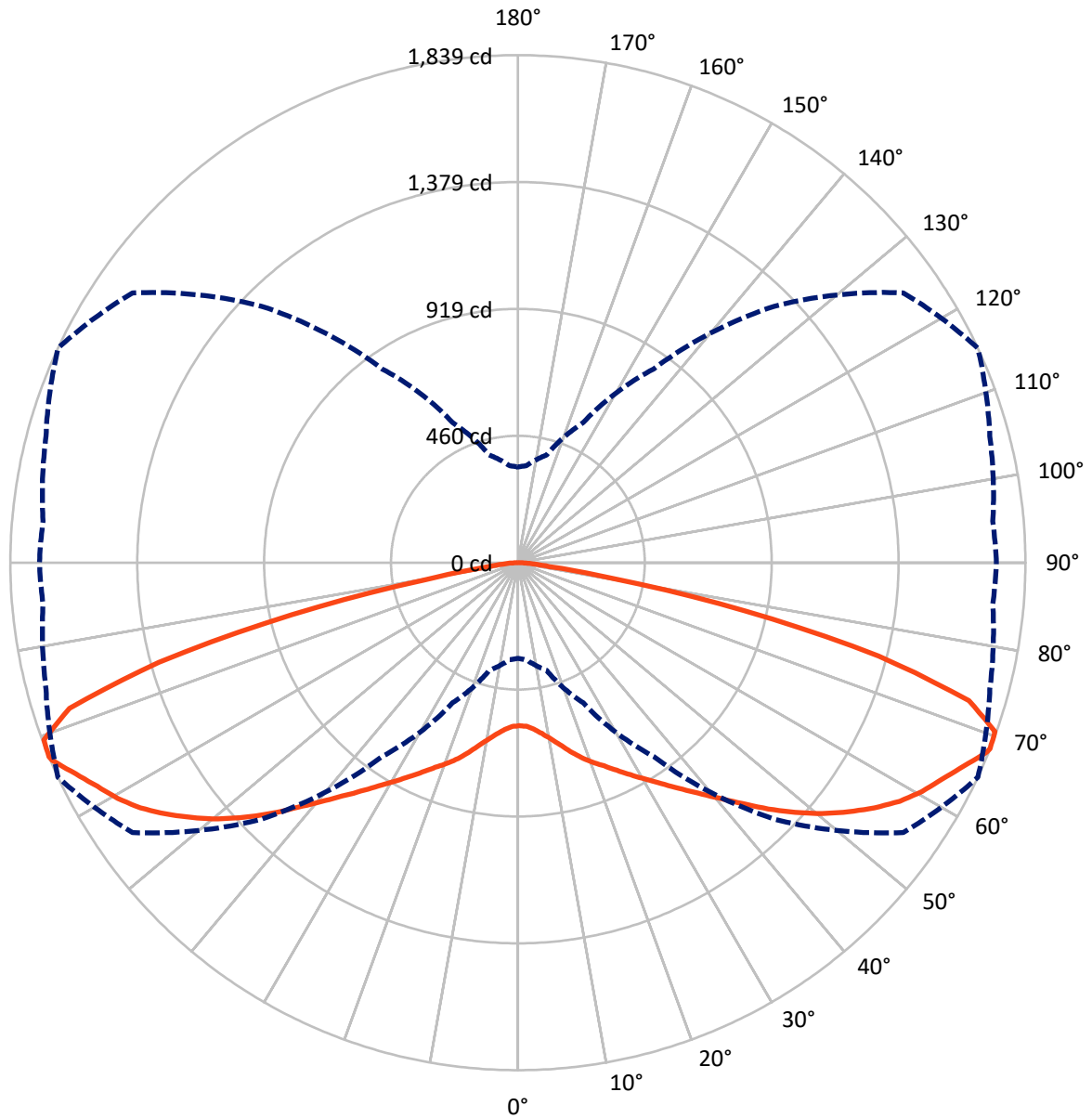
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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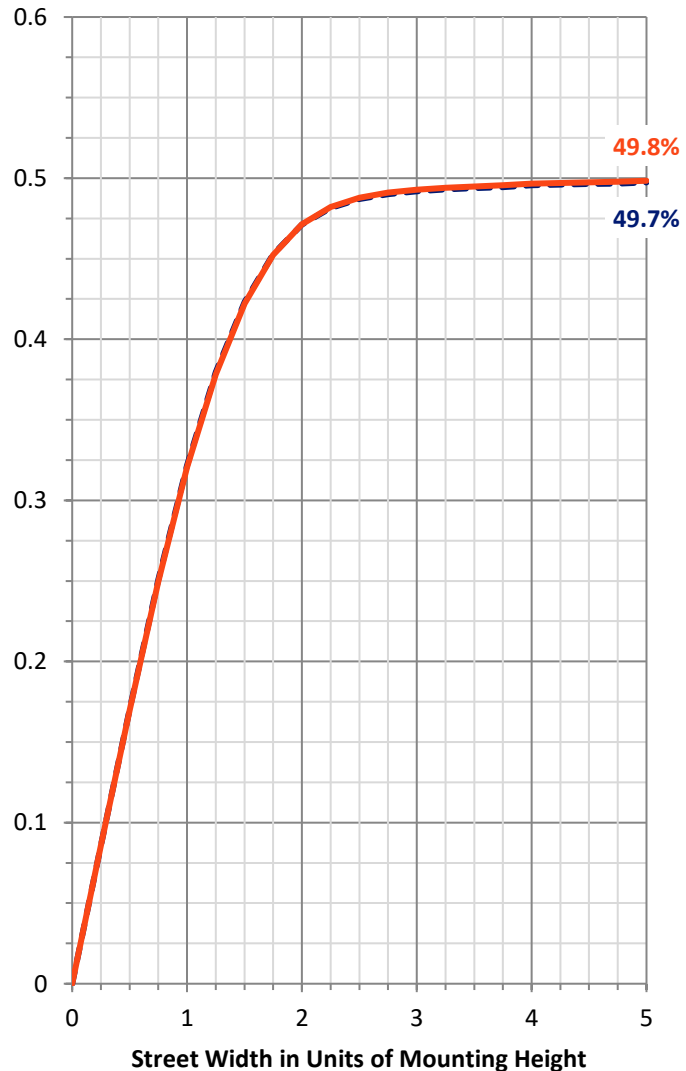
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2840.5	0.0	2840.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2840.5	0.0	2840.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5681.0	0.0	5681.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	1.0
10°-20°	193.6	3.4
20°-30°	377.6	6.6
30°-40°	634.3	11.2
40°-50°	999.4	17.6
50°-60°	1336.5	23.5
60°-70°	1299.3	22.9
70°-80°	710.2	12.5
80°-90°	72.2	1.3
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°	5681.0	100.0
0°-180°	5681.0	100.0

Coefficient of Utilization



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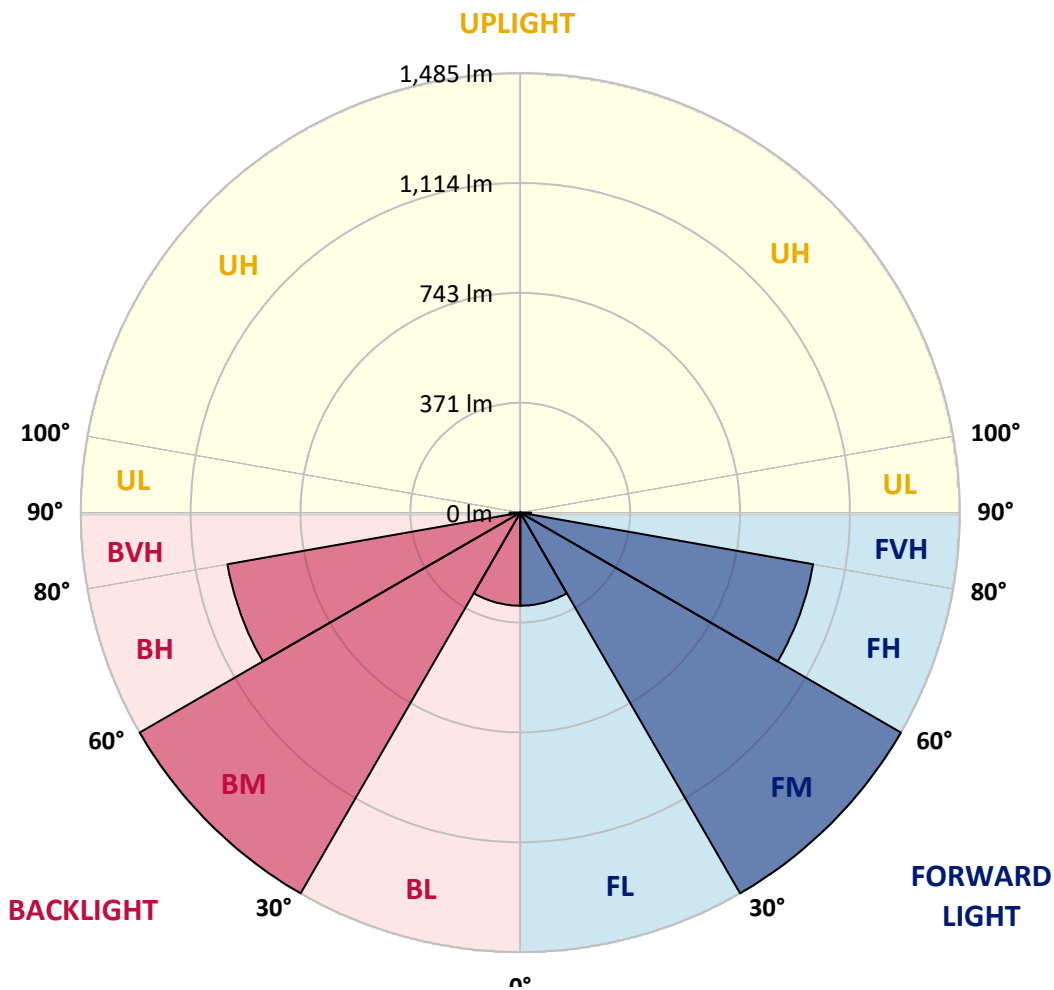
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.5	5.5			
FM (30°-60°)	1485.1	26.1			
FH (60°-80°)	1004.8	17.7			G1/1800
FVH (80°-90°)	36.1	0.6			G1/100
BL (0°-30°)	314.5	5.5	B1/500		
BM (30°-60°)	1485.1	26.1	B2/2500		
BH (60°-80°)	1004.8	17.7	B3/2500		G3/2500
BVH (80°-90°)	36.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	586.5	586.7	587.6	588.8	589.7	592.2	592.8	593.7	594.1	595.1	595.1
5°	581.4	581.7	584.0	587.1	590.5	596.6	601.0	605.9	608.4	611.1	610.9
7.5°	580.8	581.7	585.0	589.9	595.6	605.7	614.9	624.8	631.5	637.5	637.2
10°	586.7	588.2	592.8	600.2	608.8	621.4	634.9	648.2	659.8	669.2	669.6
12.5°	595.6	597.5	604.8	616.0	629.0	645.2	661.2	676.2	692.2	706.1	707.3
15°	607.5	609.9	620.8	637.5	657.4	676.6	693.7	709.2	727.6	746.9	748.8
17.5°	625.0	628.4	642.7	665.4	691.5	712.6	730.5	742.1	757.6	777.4	781.0
20°	651.6	656.0	674.1	701.2	733.0	755.1	768.8	771.3	778.9	796.6	800.8
22.5°	686.3	690.1	710.3	742.5	778.1	802.1	809.4	799.5	798.7	813.0	817.0
25°	725.0	728.4	751.8	788.0	826.3	852.8	852.6	833.4	820.0	831.1	835.3
27.5°	768.4	773.7	796.2	834.3	875.3	901.4	899.8	870.1	844.8	847.7	851.3
30°	818.3	824.2	846.1	884.8	925.8	951.3	949.4	910.1	872.0	864.4	867.1
32.5°	880.2	887.3	908.0	946.1	982.3	1005.4	999.8	953.6	904.8	888.2	890.7
35°	954.7	958.9	980.8	1018.3	1047.7	1063.5	1051.9	1003.8	946.3	926.3	926.3
37.5°	1030.1	1033.4	1057.9	1094.3	1122.7	1131.1	1108.4	1058.9	1000.6	972.2	972.8
40°	1102.5	1111.3	1138.9	1176.2	1204.2	1206.5	1176.4	1121.8	1061.0	1031.7	1035.1
42.5°	1178.1	1186.7	1219.7	1262.0	1286.7	1290.5	1255.3	1192.2	1129.2	1105.4	1109.2
45°	1245.6	1252.4	1290.5	1339.7	1370.5	1380.4	1338.7	1273.0	1202.9	1179.7	1180.6
47.5°	1292.6	1301.6	1343.5	1401.4	1446.3	1461.6	1420.6	1351.7	1275.5	1247.3	1249.8
50°	1335.3	1340.1	1382.5	1445.8	1502.9	1534.3	1499.3	1429.4	1348.8	1318.9	1321.6
52.5°	1359.1	1365.2	1406.3	1472.2	1539.9	1590.5	1569.2	1499.3	1419.7	1390.5	1393.8
55°	1342.5	1347.1	1396.4	1478.2	1562.7	1625.2	1628.4	1567.7	1489.2	1463.7	1472.8
57.5°	1267.1	1272.8	1333.0	1440.1	1565.6	1648.6	1673.0	1631.1	1554.2	1533.4	1538.7
60°	1149.2	1152.8	1217.0	1337.4	1510.0	1658.4	1701.4	1682.9	1617.8	1597.0	1604.3
62.5°	939.1	944.4	1021.2	1182.5	1392.4	1629.6	1728.8	1725.8	1677.0	1658.0	1664.4
65°	641.9	651.3	736.2	940.2	1211.3	1541.6	1753.8	1775.7	1729.4	1705.4	1714.0
67.5°	387.6	394.5	456.0	620.8	926.9	1364.1	1728.1	1832.5	1766.4	1727.7	1734.7
68°	346.5	352.8	404.2	560.2	857.4	1314.0	1704.6	1838.9	1770.4	1727.3	1733.6
70°	209.3	213.5	248.0	346.3	571.6	1042.3	1544.8	1833.6	1795.9	1732.6	1736.3
72.5°	136.4	137.7	143.4	177.7	292.0	582.9	1159.5	1708.6	1834.2	1763.7	1763.1
75°	113.3	112.6	113.1	117.1	144.0	255.6	677.6	1349.8	1748.5	1714.7	1702.7
77.5°	95.8	95.2	95.1	95.2	96.4	123.4	294.1	840.8	1338.0	1516.8	1527.5
80°	77.5	76.8	79.2	78.1	74.7	76.8	123.2	349.7	630.7	678.5	635.8
82.5°	56.4	53.5	64.2	61.1	58.3	54.1	68.0	113.0	150.5	103.2	72.6
85°	43.4	40.4	48.8	46.9	40.0	27.6	40.4	55.2	61.0	34.9	27.4
87.5°	17.7	18.7	35.2	27.8	23.4	13.3	16.6	22.1	29.7	14.9	11.4
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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