

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: P385823

Luminaire Tested: **GWC-SA1B-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385823
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-830-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 80 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: 4957 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

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



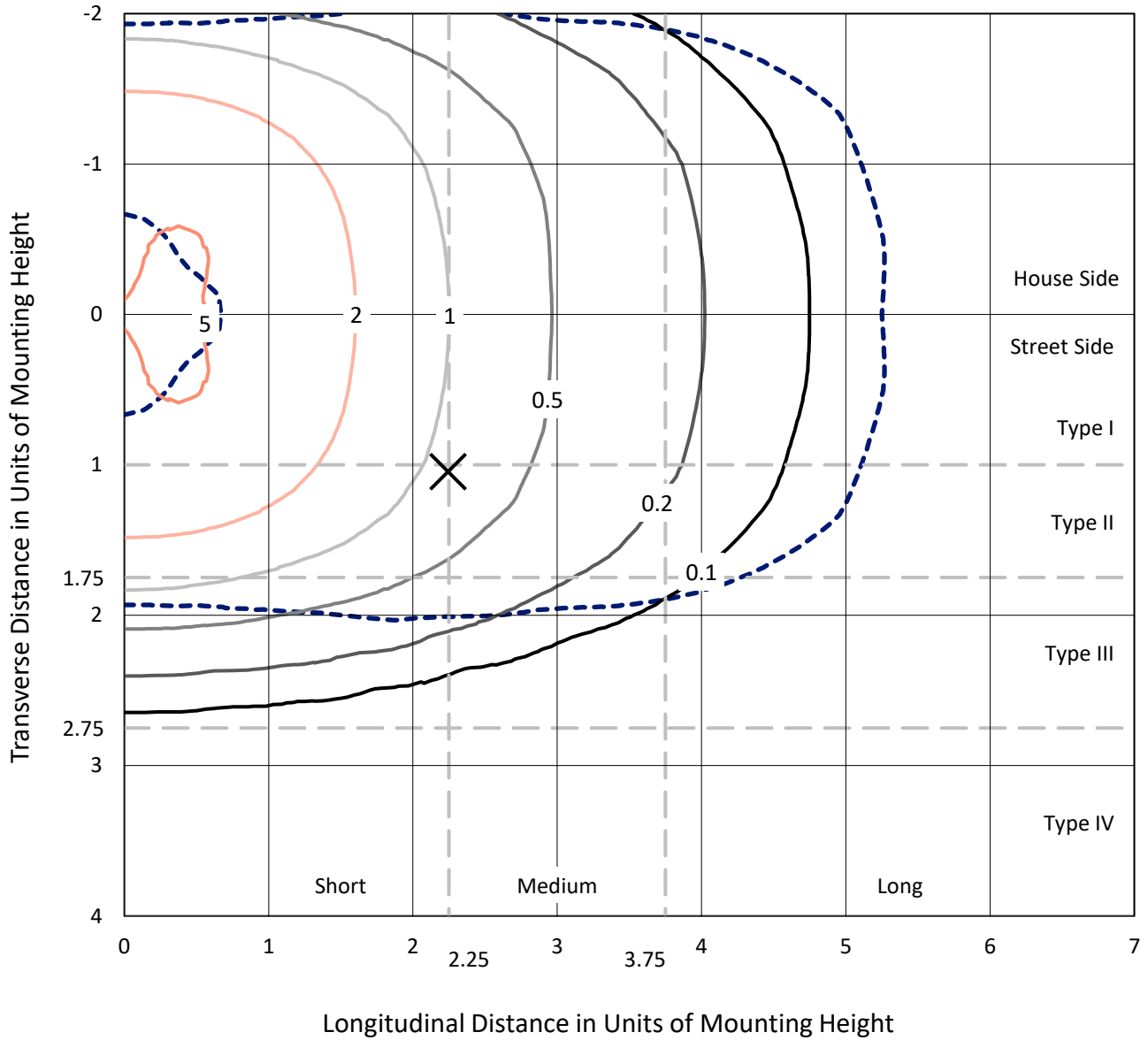
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

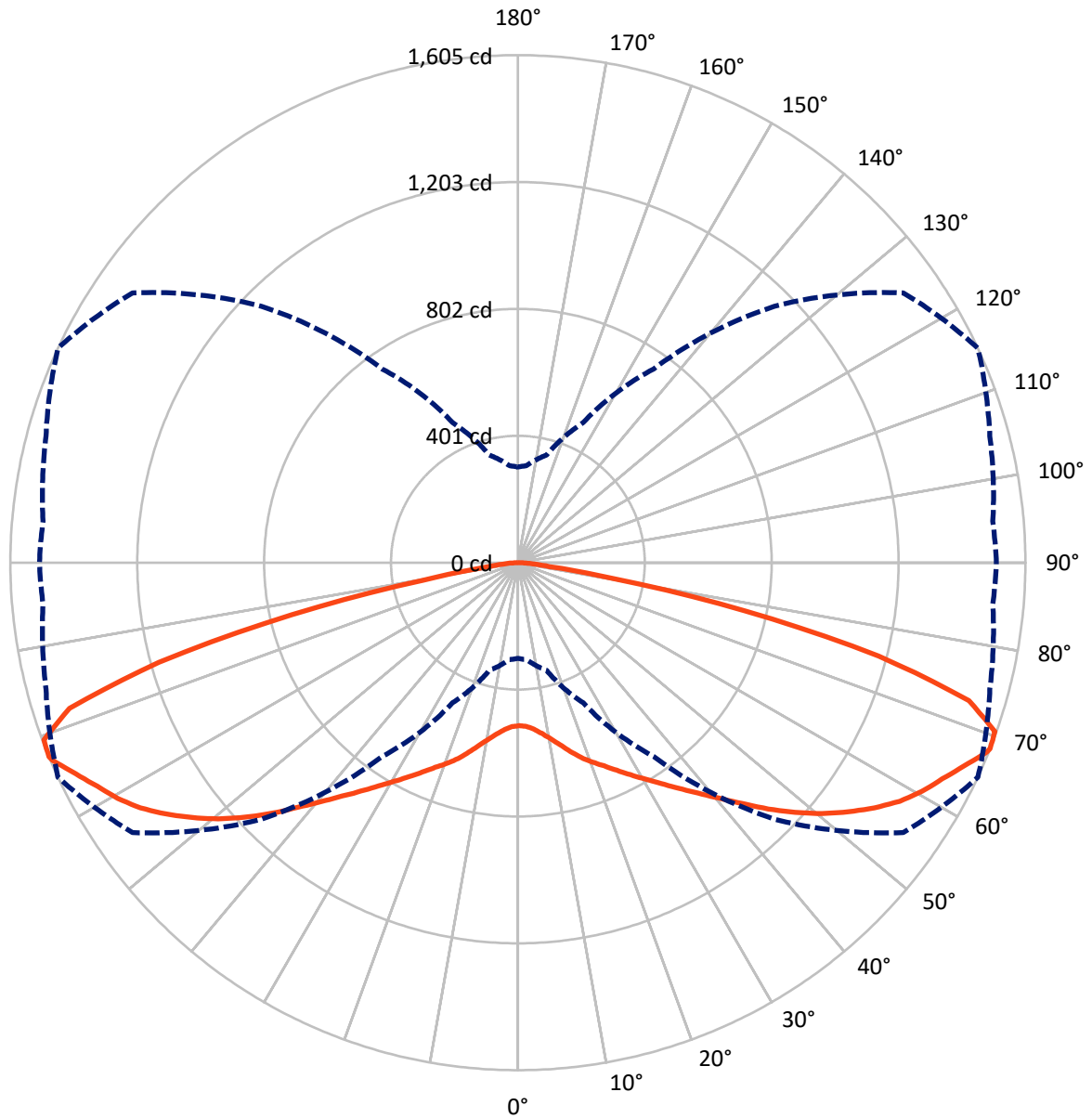
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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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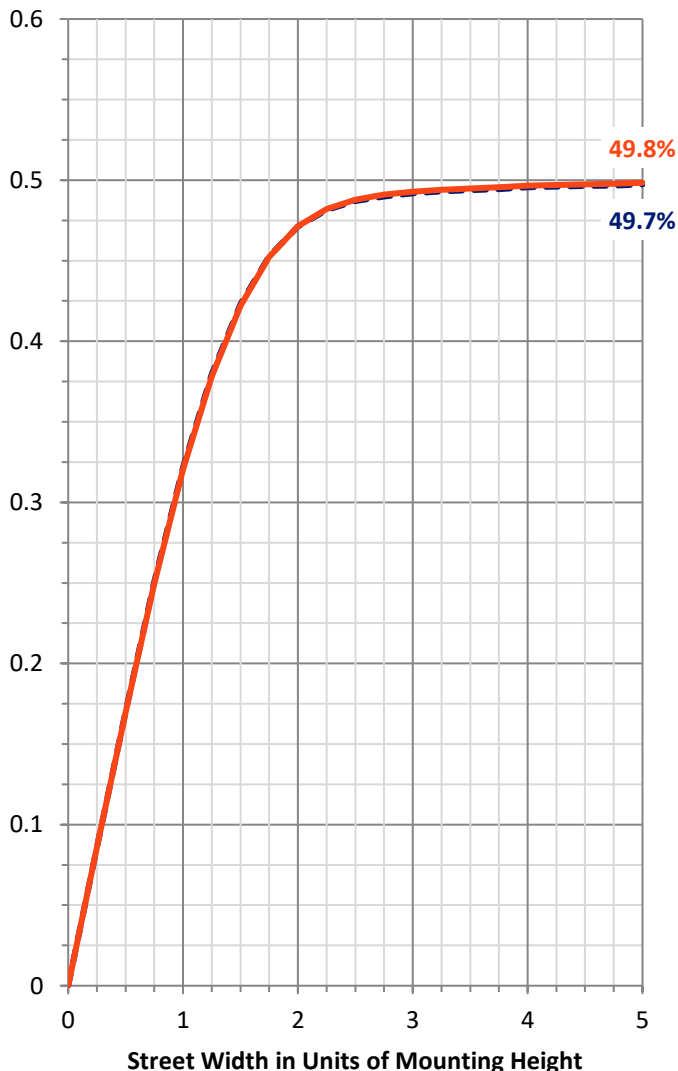
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2478.5	0.0	2478.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2478.5	0.0	2478.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4957.0	0.0	4957.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.0
10°-20°	169.0	3.4
20°-30°	329.4	6.6
30°-40°	553.4	11.2
40°-50°	872.0	17.6
50°-60°	1166.2	23.5
60°-70°	1133.7	22.9
70°-80°	619.7	12.5
80°-90°	63.0	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°	4957.0	100.0
0°-180°	4957.0	100.0

Coefficient of Utilization



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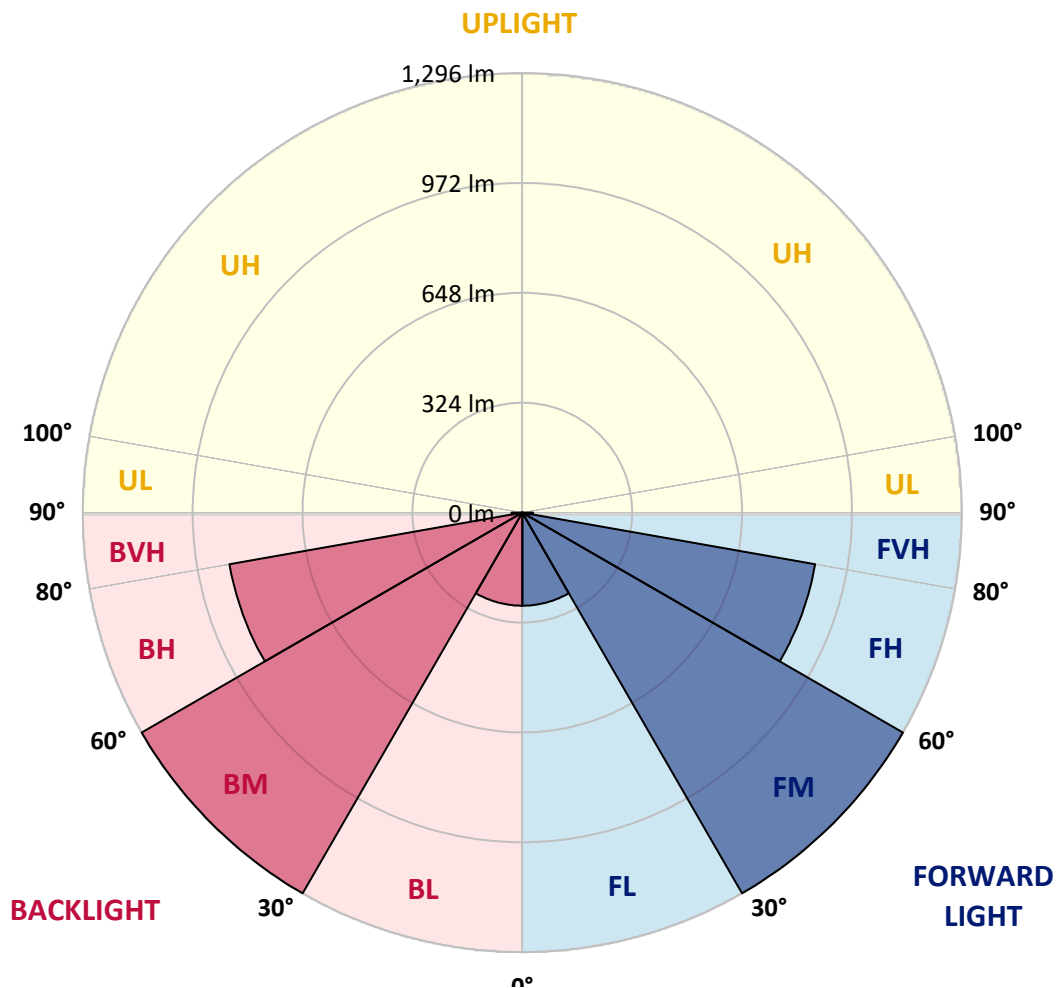
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.4	5.5			
FM (30°-60°)	1295.8	26.1			
FH (60°-80°)	876.7	17.7			G1/1800
FVH (80°-90°)	31.5	0.6			G1/100
BL (0°-30°)	274.4	5.5	B1/500		
BM (30°-60°)	1295.8	26.1	B2/2500		
BH (60°-80°)	876.7	17.7	B2/1000		G2/1000
BVH (80°-90°)	31.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4
2.5°	511.8	511.9	512.8	513.7	514.6	516.7	517.2	518.1	518.4	519.2	519.2
5°	507.3	507.6	509.6	512.3	515.2	520.6	524.4	528.7	530.9	533.2	533.0
7.5°	506.8	507.6	510.4	514.7	519.7	528.5	536.5	545.2	551.0	556.3	556.0
10°	511.9	513.3	517.2	523.7	531.2	542.2	554.0	565.6	575.7	583.9	584.2
12.5°	519.7	521.4	527.7	537.5	548.8	562.9	576.9	590.0	604.0	616.1	617.1
15°	530.0	532.2	541.7	556.3	573.6	590.4	605.3	618.8	634.9	651.7	653.4
17.5°	545.3	548.3	560.8	580.6	603.3	621.8	637.4	647.5	661.0	678.3	681.5
20°	568.6	572.4	588.2	611.8	639.6	658.8	670.8	673.0	679.6	695.1	698.7
22.5°	598.8	602.2	619.8	647.9	679.0	699.9	706.2	697.6	696.9	709.4	712.9
25°	632.6	635.6	656.0	687.6	721.0	744.1	743.9	727.2	715.5	725.2	728.8
27.5°	670.5	675.1	694.7	728.0	763.7	786.5	785.2	759.2	737.1	739.6	742.8
30°	714.0	719.2	738.3	772.0	807.8	830.0	828.4	794.1	760.9	754.3	756.6
32.5°	768.0	774.2	792.3	825.6	857.1	877.2	872.4	832.0	789.5	775.0	777.2
35°	833.0	836.7	855.8	888.5	914.1	927.9	917.8	875.9	825.7	808.3	808.3
37.5°	898.9	901.7	923.1	954.9	979.6	986.9	967.2	924.0	873.1	848.3	848.8
40°	962.0	969.7	993.8	1026.3	1050.8	1052.8	1026.5	978.8	925.8	900.2	903.2
42.5°	1028.0	1035.5	1064.2	1101.1	1122.7	1126.1	1095.3	1040.3	985.3	964.5	967.8
45°	1086.8	1092.8	1126.1	1168.9	1195.9	1204.5	1168.1	1110.8	1049.6	1029.3	1030.2
47.5°	1127.9	1135.7	1172.3	1222.8	1262.0	1275.3	1239.6	1179.4	1112.9	1088.3	1090.5
50°	1165.1	1169.3	1206.3	1261.5	1311.4	1338.8	1308.2	1247.2	1176.9	1150.8	1153.2
52.5°	1185.9	1191.2	1227.1	1284.6	1343.6	1387.8	1369.2	1308.2	1238.7	1213.3	1216.1
55°	1171.4	1175.4	1218.5	1289.8	1363.6	1418.1	1420.9	1367.9	1299.4	1277.1	1285.1
57.5°	1105.6	1110.6	1163.1	1256.5	1366.1	1438.5	1459.8	1423.2	1356.1	1338.0	1342.6
60°	1002.7	1005.9	1061.9	1166.9	1317.5	1447.0	1484.6	1468.4	1411.6	1393.5	1399.8
62.5°	819.4	824.1	891.0	1031.8	1215.0	1421.9	1508.5	1505.8	1463.3	1446.7	1452.3
65°	560.1	568.3	642.4	820.4	1056.9	1345.1	1530.3	1549.4	1509.0	1488.1	1495.5
67.5°	338.2	344.2	397.9	541.7	808.8	1190.2	1507.8	1598.9	1541.2	1507.5	1513.7
68°	302.3	307.8	352.7	488.8	748.1	1146.5	1487.4	1604.6	1544.7	1507.2	1512.7
70°	182.7	186.3	216.4	302.2	498.8	909.5	1347.9	1599.9	1567.0	1511.8	1515.0
72.5°	119.0	120.2	125.2	155.1	254.8	508.6	1011.7	1490.9	1600.4	1538.9	1538.4
75°	98.9	98.2	98.7	102.2	125.7	223.1	591.2	1177.8	1525.6	1496.2	1485.7
77.5°	83.6	83.1	82.9	83.1	84.1	107.7	256.6	733.6	1167.4	1323.5	1332.8
80°	67.6	67.0	69.1	68.1	65.2	67.0	107.5	305.2	550.3	592.0	554.8
82.5°	49.2	46.7	56.0	53.4	50.9	47.2	59.3	98.6	131.3	90.1	63.3
85°	37.9	35.2	42.5	40.9	34.9	24.1	35.2	48.2	53.2	30.4	23.9
87.5°	15.5	16.3	30.7	24.3	20.4	11.6	14.5	19.3	25.9	13.0	10.0
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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