

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: PORTFOLIO

Report Number: P563794

Luminaire Tested: **LD4C15D010 EX4C15D2W 4LCSQWLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15D010 EX4C15D2W 4LCSQWLI
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

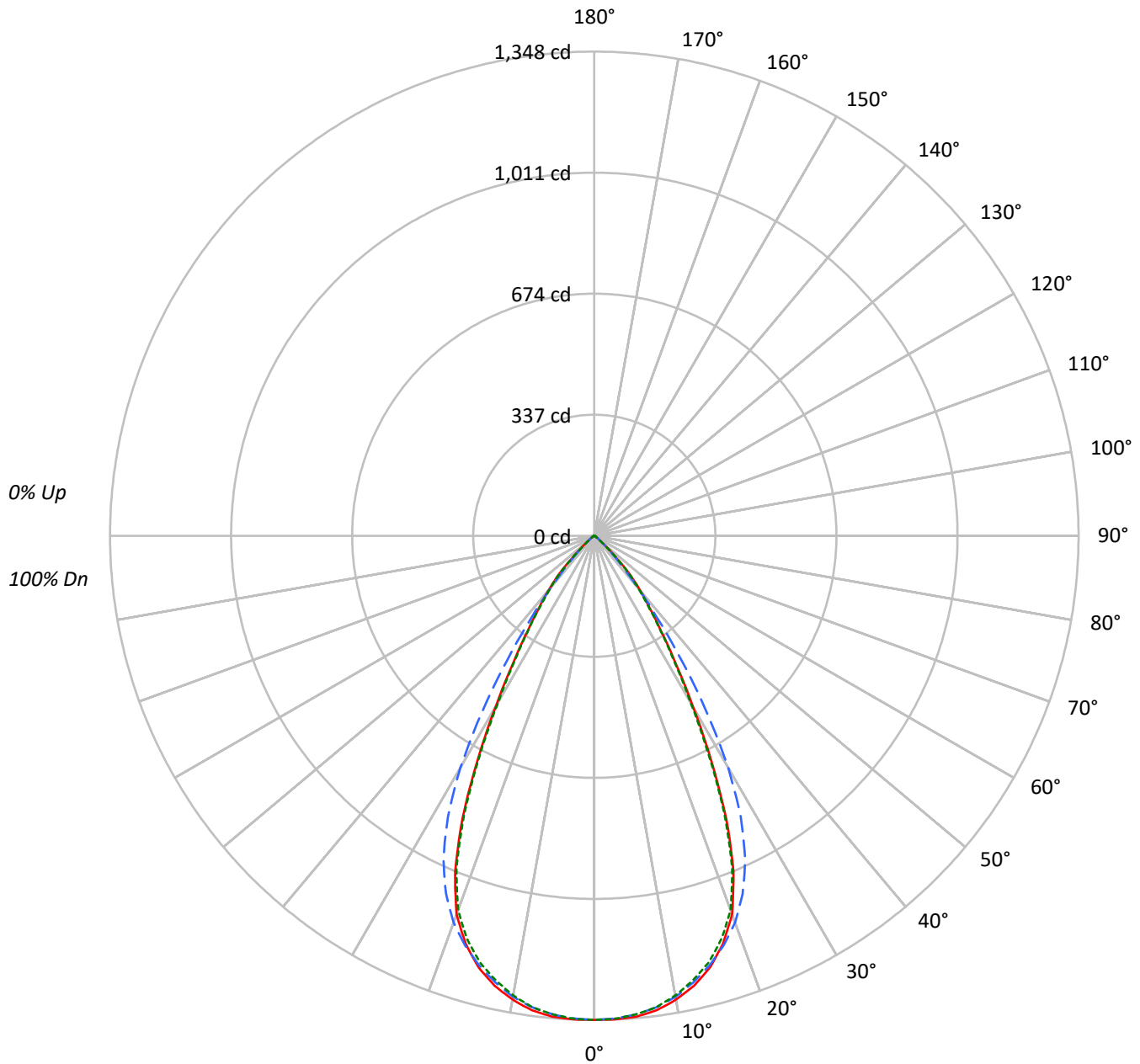
Lumens per Lamp: N/A
Luminaire Lumens: 1206.3 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V):
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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	111	108	106	111	109	106	104		105	103	101			101	100	98			97
2	108	103	99	96	106	102	98	95		98	95	93			95	93	91			93
3	103	96	91	88	101	95	90	87		92	89	85			90	87	84			88
4	98	90	85	80	96	89	84	80		87	82	79			85	81	78			83
5	93	84	79	74	91	84	78	74		82	77	73			80	76	73			79
6	88	79	73	69	87	79	73	69		77	72	68			76	71	68			74
7	84	75	69	65	82	74	68	64		73	68	64			71	67	64			70
8	80	70	64	60	79	70	64	60		69	64	60			68	63	60			67
9	76	66	61	57	75	66	60	57		65	60	56			64	60	56			63
10	72	63	57	53	71	62	57	53		62	57	53			61	56	53			60

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	130028	130028	130028
5°	130157	129557	129557
10°	128458	127694	127302
15°	124276	123697	122858
20°	115106	117621	113822
25°	92549	105793	91325
30°	61089	82949	59641
35°	38176	49814	37493
40°	24914	23088	23944
45°	11994	9197	11326
50°	3017	3663	2837
55°	1665	1514	1615
60°	1139	965	1081
65°	776	708	776
70°	592	508	592
75°	447	447	447
80°	333	500	500
85°	332	664	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	10.5
10°-20°	346.1	28.7
20°-30°	412.4	34.2
30°-40°	233.6	19.4
40°-50°	72.2	6.0
50°-60°	10.0	0.8
60°-70°	3.4	0.3
70°-80°	1.3	0.1
80°-90°	0.6	0.0
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°-30°	885.3	73.4
0°-40°	1118.8	92.7
0°-60°	1201.0	99.6
0°-90°	1206.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1344	1341	1338	1337	1338	127
15°	1244	1242	1238	1233	1230	347
25°	869	920	994	922	858	388
35°	324	354	423	354	318	211
45°	88	102	67	100	83	73
55°	10	10	9	10	10	10
65°	3	3	3	3	3	4
75°	1	1	1	1	1	1
85°	0	1	1	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1347.6	1347.6	1347.6	1347.6	1347.6
2.5°	1347.9	1345.8	1345.0	1344.4	1345.8
5°	1343.8	1340.8	1337.6	1336.7	1337.6
7.5°	1332.4	1329.3	1324.1	1322.8	1323.7
10°	1311.1	1308.2	1303.3	1300.5	1299.3
12.5°	1282.9	1278.2	1273.5	1270.5	1267.4
15°	1244.1	1242.0	1238.3	1233.4	1229.9
17.5°	1190.6	1193.7	1195.9	1186.0	1177.0
20°	1121.0	1132.4	1145.5	1125.3	1108.5
22.5°	1012.3	1045.1	1078.2	1040.2	1003.1
25°	869.3	920.1	993.7	921.6	857.8
27.5°	702.4	766.8	882.9	767.1	693.1
30°	548.3	614.5	744.5	605.8	535.3
32.5°	421.0	470.6	581.7	463.1	412.1
35°	324.1	353.6	422.9	354.5	318.3
37.5°	252.0	266.8	284.5	261.6	244.5
40°	197.8	198.5	183.3	195.3	190.1
42.5°	146.8	146.1	112.7	142.4	143.3
45°	87.9	102.4	67.4	99.7	83.0
47.5°	41.8	57.9	40.6	54.8	38.7
50°	20.1	27.9	24.4	26.0	18.9
52.5°	13.6	14.2	13.9	13.6	13.0
55°	9.9	9.9	9.0	9.6	9.6
57.5°	7.4	7.4	6.5	7.1	7.1
60°	5.9	5.6	5.0	5.6	5.6
62.5°	4.4	4.4	3.8	4.4	4.4
65°	3.4	3.4	3.1	3.4	3.4
67.5°	2.7	2.7	2.1	2.7	2.4
70°	2.1	2.1	1.8	2.1	2.1
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.2	1.2	1.2	1.2	1.2
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.9	0.9	0.9
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.3	0.6	0.6	0.6	0.6
87.5°	0.3	0.3	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)