

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: P563793

Luminaire Tested: **LD4C15D010 EX4C15D2W 4LCSQWH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-14)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15D010 EX4C15D2W 4LCSQWH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

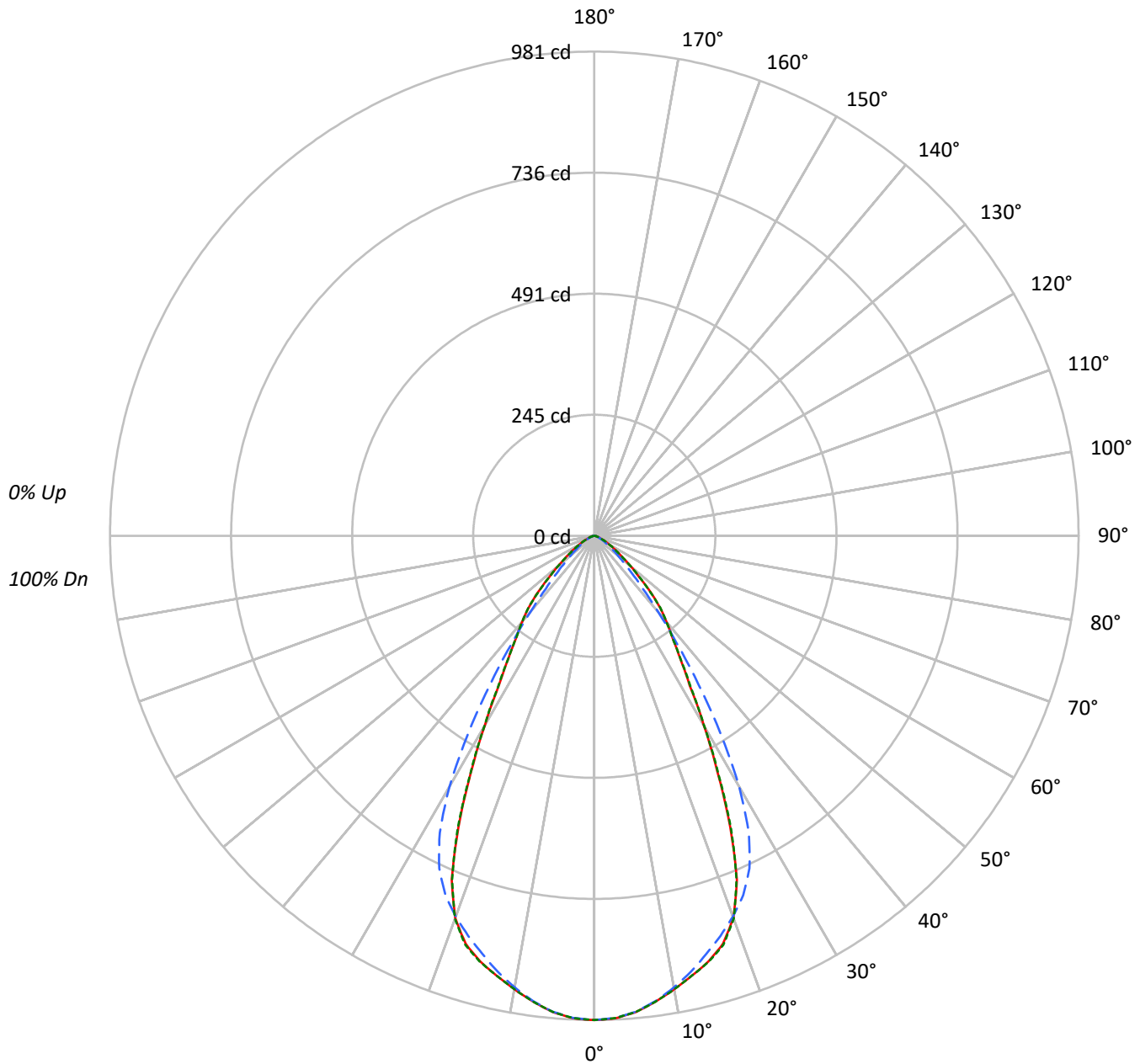
Lumens per Lamp: N/A
Luminaire Lumens: 1038.6 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P563793

CATALOG NUMBER: LD4C15D010 EX4C15D2W 4LCSQWH

Luminous Intensity Polar Plot





TEST NUMBER: P563793

CATALOG NUMBER: LD4C15D010 EX4C15D2W 4LCSQWH

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77		
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66		
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61		
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56		
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	94685	94685	94685
5°	93816	93758	93787
10°	91413	91041	91413
15°	89214	87596	89304
20°	84579	84271	84743
25°	69382	79166	69744
30°	49469	65401	49547
35°	35679	43335	35785
40°	28605	25179	28605
45°	21833	14696	21669
50°	14396	9397	14351
55°	9690	6292	9589
60°	6523	4303	6581
65°	4452	3037	4384
70°	2962	2172	2962
75°	1976	1640	1976
80°	1334	1167	1334
85°	996	996	996



TEST NUMBER: P563793

CATALOG NUMBER: LD4C15D010 EX4C15D2W 4LCSQWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	8.8
10°-20°	248.7	23.9
20°-30°	310.9	29.9
30°-40°	209.2	20.1
40°-50°	110.5	10.6
50°-60°	44.9	4.3
60°-70°	16.7	1.6
70°-80°	5.4	0.5
80°-90°	1.1	0.1
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°	650.9	62.7
0°-40°	860.0	82.8
0°-60°	1015.4	97.8
0°-90°	1038.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1038.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	969	968	968	968	968	91
15°	893	886	877	885	894	250
25°	652	688	744	690	655	293
35°	303	318	368	319	304	195
45°	160	152	108	151	159	123
55°	58	48	37	48	57	53
65°	20	16	13	16	19	20
75°	5	5	4	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P563793

CATALOG NUMBER: LD4C15D010 EX4C15D2W 4LCSQWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	981.3	981.3	981.3	981.3	981.3
2.5°	978.7	978.1	977.8	977.8	978.1
5°	968.6	967.7	968.0	968.0	968.3
7.5°	952.2	951.9	950.9	952.2	952.2
10°	933.0	931.5	929.2	931.8	933.0
12.5°	913.1	908.6	904.8	908.6	913.1
15°	893.1	885.7	876.9	885.3	894.0
17.5°	866.8	859.3	849.8	860.9	869.2
20°	823.7	824.3	820.7	823.7	825.3
22.5°	754.8	768.7	788.1	769.0	752.5
25°	651.7	688.2	743.6	689.5	655.1
27.5°	541.3	587.6	678.3	590.4	544.6
30°	444.0	485.2	587.0	488.0	444.7
32.5°	359.6	390.2	477.2	394.0	363.5
35°	302.9	318.1	367.9	318.7	303.8
37.5°	259.6	259.6	273.2	260.8	258.4
40°	227.1	217.3	199.9	217.0	227.1
42.5°	196.8	182.0	145.2	181.4	197.4
45°	160.0	152.0	107.7	151.4	158.8
47.5°	122.9	117.3	81.1	116.7	123.8
50°	95.9	87.3	62.6	86.7	95.6
52.5°	73.6	64.4	48.3	64.4	73.0
55°	57.6	48.3	37.4	48.3	57.0
57.5°	44.2	36.8	28.5	36.2	43.9
60°	33.8	27.6	22.3	27.6	34.1
62.5°	25.6	21.1	17.0	20.8	25.3
65°	19.5	15.8	13.3	15.8	19.2
67.5°	14.2	11.8	10.2	11.8	14.5
70°	10.5	9.0	7.7	8.6	10.5
72.5°	7.7	6.5	5.9	6.5	7.7
75°	5.3	4.7	4.4	4.7	5.3
77.5°	3.8	3.4	3.1	3.4	3.8
80°	2.4	2.1	2.1	2.4	2.4
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.6	0.6	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)