

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: P#

Luminaire Tested: **LD4C15D010 EX4C159035 4LBSQH**

Issue Date: 2/9/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15D010 EX4C159035 4LBSQH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

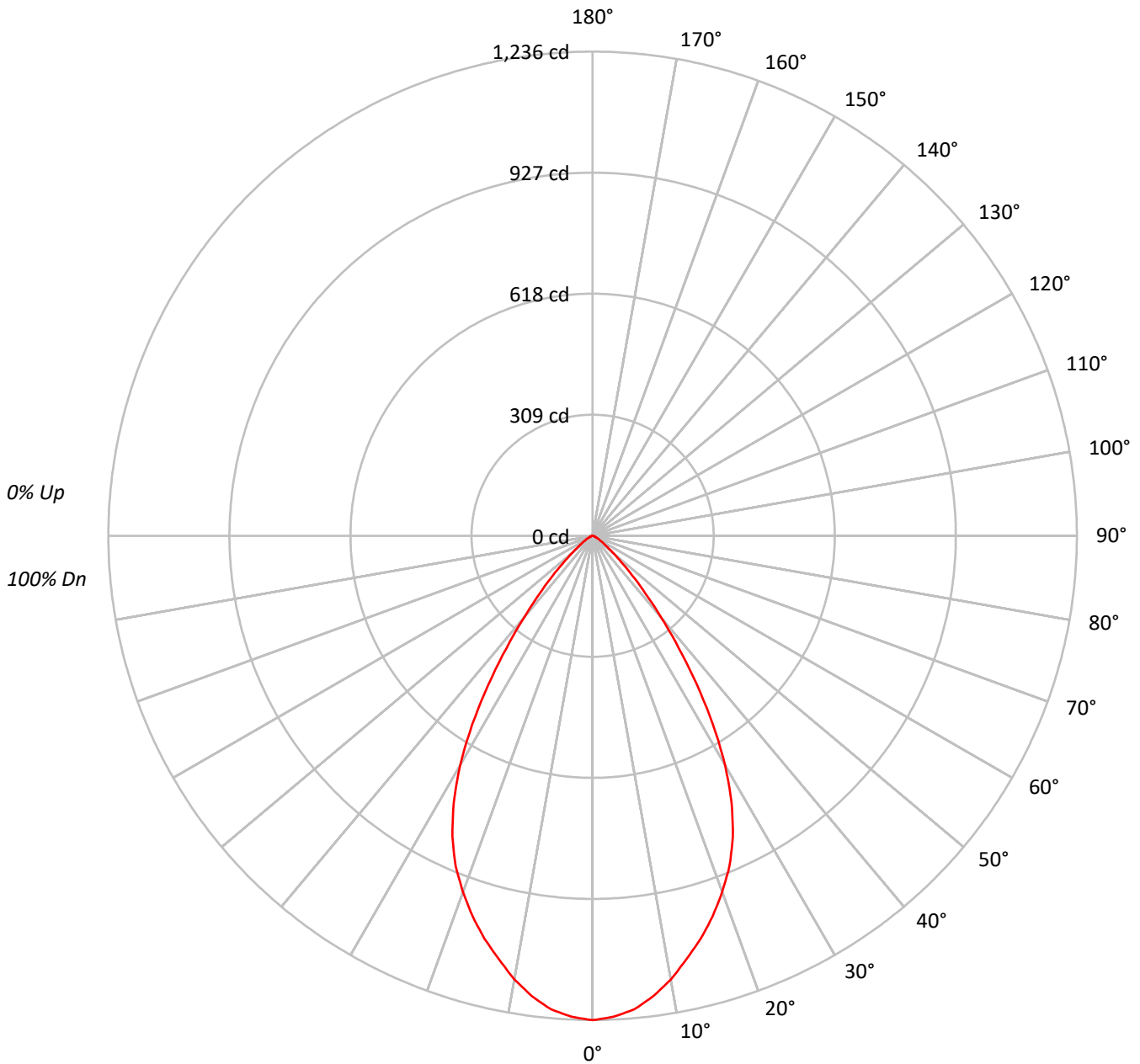
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1247.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
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: P#
CATALOG NUMBER: LD4C15D010 EX4C159035 4LBSQH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C15D010 EX4C159035 4LBSQH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									50									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0															
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	99	97	97	96	95	93	93	85	85	85															
	1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	85	85	85	85	85	85	85	85	85	85															
	2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85	85	85	85	85	85	85	85	85															
	3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79	79	79	79	79	79	79	79	79															
	4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73	73	73	73	73	73	73	73	73															
	5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67	67	67	67	67	67	67	67	67															
	6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62	62	62	62	62	62	62	62	62															
	7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58	58	58	58	58	58	58	58	58															
	8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54	54	54	54	54	54	54	54	54															
	9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50	50	50	50	50	50	50	50	50															
	10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47	47	47	47	47	47	47	47	47															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119309
5°	117575
10°	112664
15°	106406
20°	99324
25°	90164
30°	75284
35°	54537
40°	34134
45°	19513
50°	10177
55°	5703
60°	3628
65°	2146
70°	1580
75°	708
80°	1056
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD4C15D010 EX4C159035 4LBSQH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	9.1
10°-20°	298.5	23.9
20°-30°	383.6	30.8
30°-40°	288.6	23.1
40°-50°	115.9	9.3
50°-60°	33.0	2.6
60°-70°	10.4	0.8
70°-80°	3.0	0.2
80°-90°	0.3	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°	795.9	63.8
0°-40°	1084.5	87.0
0°-60°	1233.3	98.9
0°-90°	1247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1247.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1236	
5°	1214	114
15°	1065	298
25°	847	384
35°	463	289
45°	143	116
55°	34	33
65°	9	10
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD4C15D010 EX4C159035 4LBSQH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1236.5
2.5°	1228.9
5°	1213.9
7.5°	1185.6
10°	1149.9
12.5°	1106.7
15°	1065.2
17.5°	1018.2
20°	967.3
22.5°	912.8
25°	846.9
27.5°	767.8
30°	675.7
32.5°	572.1
35°	463.0
37.5°	361.3
40°	271.0
42.5°	199.5
45°	143.0
47.5°	97.9
50°	67.8
52.5°	47.1
55°	33.9
57.5°	24.5
60°	18.8
62.5°	13.2
65°	9.4
67.5°	7.5
70°	5.6
72.5°	3.8
75°	1.9
77.5°	1.9
80°	1.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)