

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: P839794

Luminaire Tested: **LDS4C15D010 EU4159050 4LBSWH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C15D010 EU4159050 4LBSWH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

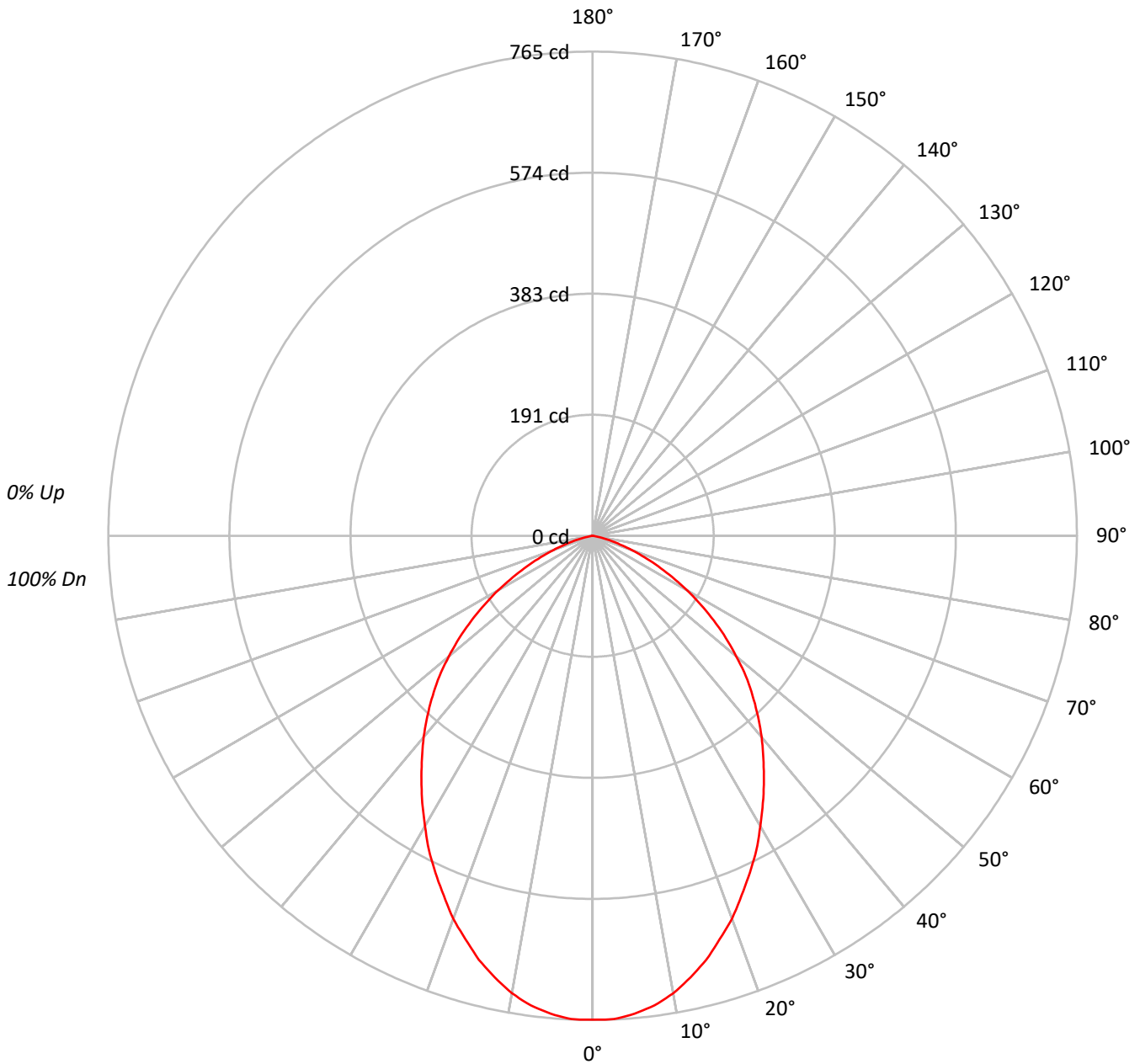
Lumens per Lamp: N/A
Luminaire Lumens: 1462.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V):
Input Current (A_{in}): 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: P839794

CATALOG NUMBER: LDS4C15D010 EU4159050 4LBSWH

Luminous Intensity Polar Plot





TEST NUMBER: P839794

CATALOG NUMBER: LDS4C15D010 EU4159050 4LBSWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77		
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51		
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93934
5°	93503
10°	91566
15°	88243
20°	84182
25°	79638
30°	75129
35°	70729
40°	66603
45°	62095
50°	56612
55°	49992
60°	42311
65°	33227
70°	23707
75°	13006
80°	2264
85°	0



TEST NUMBER: P839794

CATALOG NUMBER: LDS4C15D010 EU4159050 4LBSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	4.9
10°-20°	194.7	13.3
20°-30°	270.3	18.5
30°-40°	295.0	20.2
40°-50°	275.2	18.8
50°-60°	208.9	14.3
60°-70°	114.4	7.8
70°-80°	31.5	2.2
80°-90°	0.4	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°	536.6	36.7
0°-40°	831.6	56.9
0°-60°	1315.7	90.0
0°-90°	1462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1462.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	765	
5°	758	72
15°	694	195
25°	588	270
35°	472	295
45°	357	275
55°	233	209
65°	114	114
75°	27	31
85°	0	0
90°	0	



TEST NUMBER: P839794

CATALOG NUMBER: LDS4C15D010 EU4159050 4LBSWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	764.6
2.5°	764.6
5°	758.2
7.5°	748.5
10°	734.0
12.5°	714.7
15°	693.8
17.5°	668.1
20°	643.9
22.5°	614.9
25°	587.5
27.5°	560.2
30°	529.6
32.5°	500.6
35°	471.6
37.5°	442.7
40°	415.3
42.5°	386.3
45°	357.4
47.5°	328.4
50°	296.2
52.5°	265.6
55°	233.4
57.5°	202.8
60°	172.2
62.5°	141.7
65°	114.3
67.5°	88.5
70°	66.0
72.5°	45.1
75°	27.4
77.5°	12.9
80°	3.2
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)