

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: P839209

Luminaire Tested: **LD4C15D010 EU4159030 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15D010 EU4159030 4LBPSMW
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

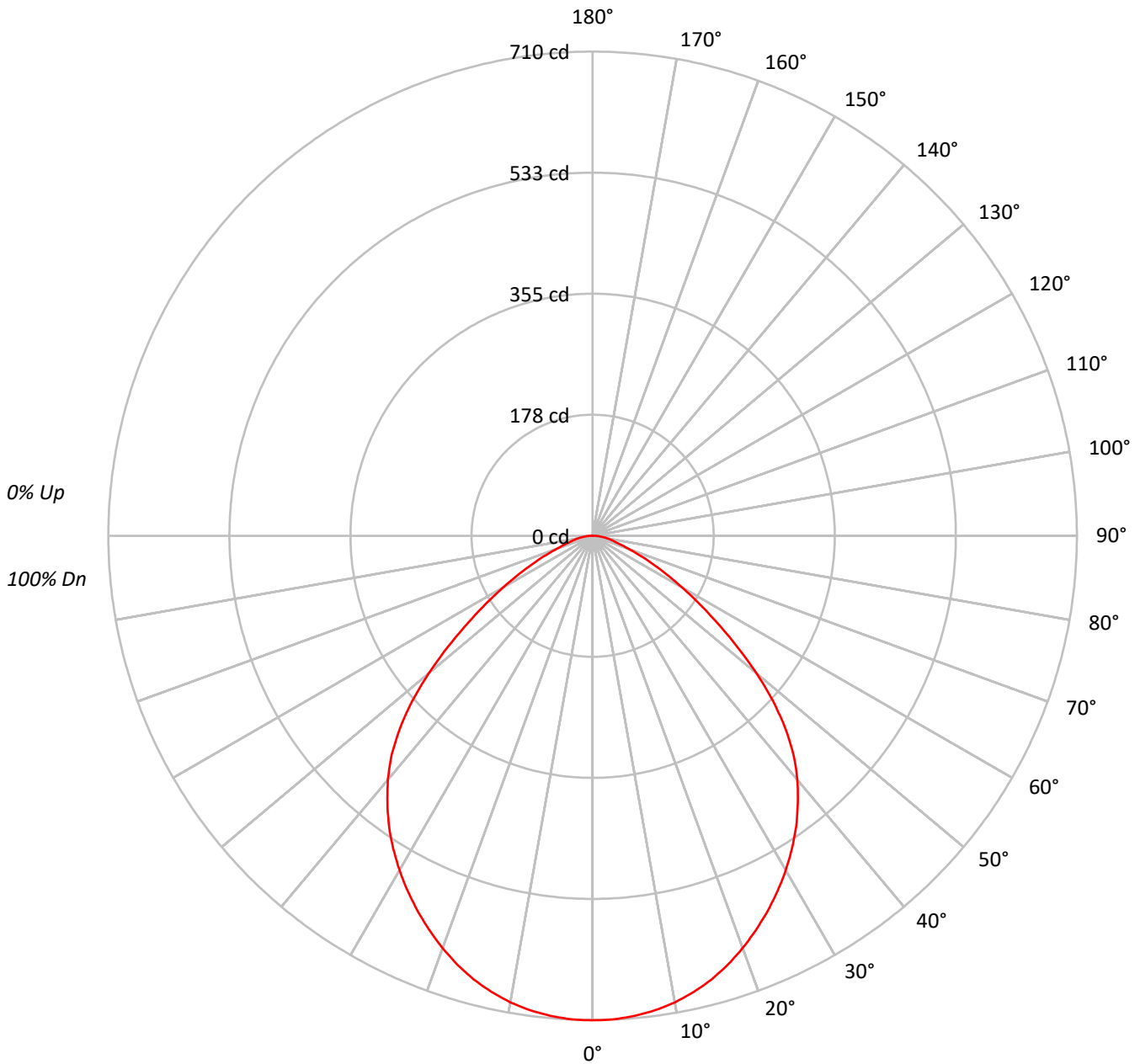
Lumens per Lamp: N/A
Luminaire Lumens: 1514.9 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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			0	
RW	70	50	30	10	70	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	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87287
5°	87152
10°	86675
15°	85673
20°	84117
25°	82295
30°	80335
35°	78048
40°	74895
45°	69479
50°	59861
55°	47743
60°	37175
65°	27820
70°	20187
75°	15996
80°	14999
85°	14942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	4.4
10°-20°	189.7	12.5
20°-30°	279.6	18.5
30°-40°	324.7	21.4
40°-50°	305.2	20.1
50°-60°	202.0	13.3
60°-70°	97.4	6.4
70°-80°	37.5	2.5
80°-90°	11.7	0.8
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°	536.3	35.4
0°-40°	861.1	56.8
0°-60°	1368.4	90.3
0°-90°	1514.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1514.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	710	
5°	707	67
15°	674	190
25°	607	280
35°	520	325
45°	400	305
55°	223	202
65°	96	97
75°	34	38
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	710.5
2.5°	709.9
5°	706.7
7.5°	701.8
10°	694.8
12.5°	685.1
15°	673.6
17.5°	659.4
20°	643.4
22.5°	625.7
25°	607.1
27.5°	587.2
30°	566.3
32.5°	544.1
35°	520.4
37.5°	494.3
40°	467.0
42.5°	436.2
45°	399.9
47.5°	358.8
50°	313.2
52.5°	266.9
55°	222.9
57.5°	185.0
60°	151.3
62.5°	121.1
65°	95.7
67.5°	74.2
70°	56.2
72.5°	42.7
75°	33.7
77.5°	27.3
80°	21.2
82.5°	15.7
85°	10.6
87.5°	6.1
90°	0.0



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— 0°-180°







(END OF REPORT)