

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: P839778

Luminaire Tested: **LDS4C15D010 EU4159040 4LBPSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C15D010 EU4159040 4LBPSMB
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

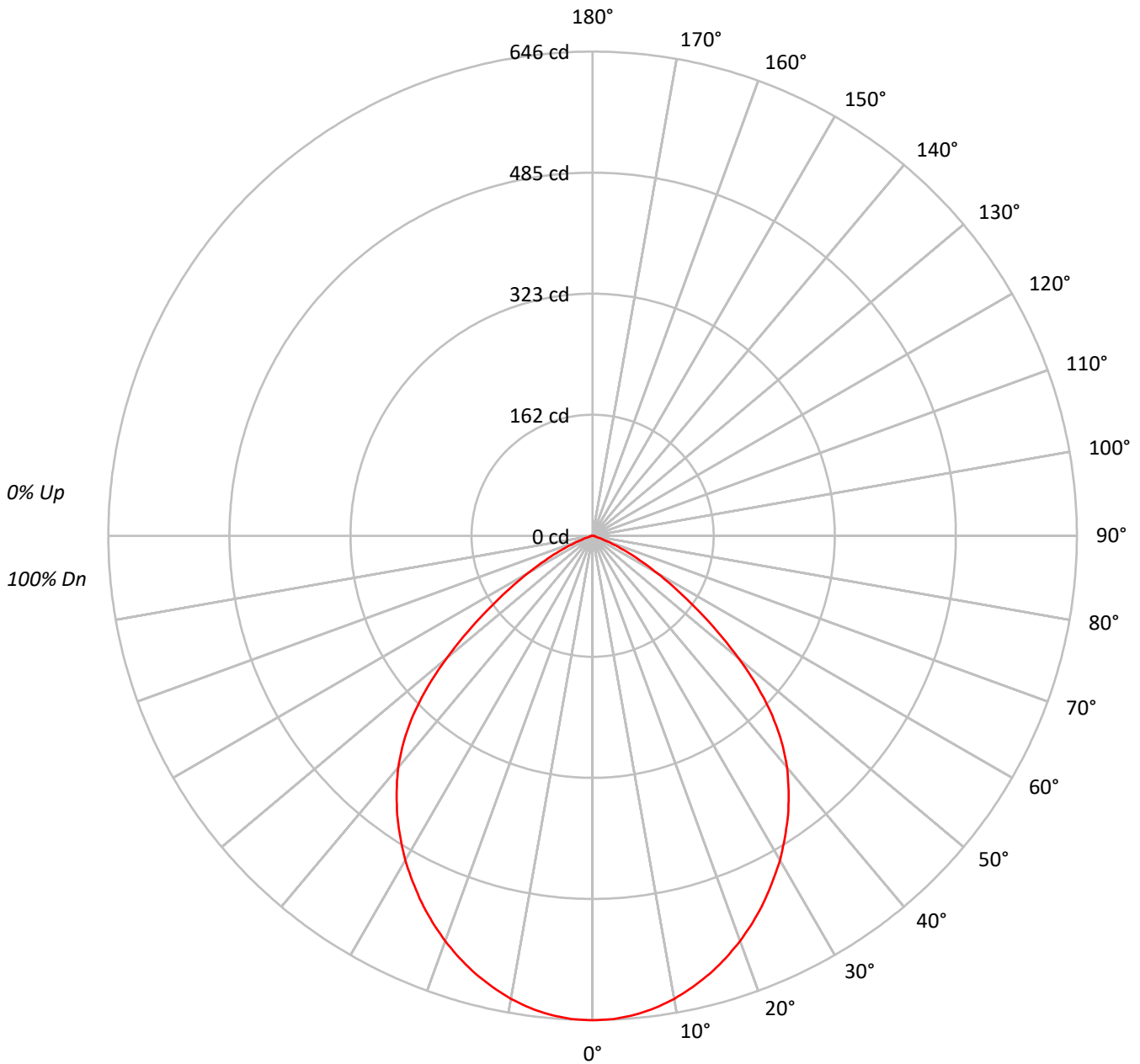
Lumens per Lamp: N/A
Luminaire Lumens: 1231.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70	70	70	70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62	62	62	62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55	55	55	55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40	40	40	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36	36	36	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33	33	33	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79412
5°	79136
10°	78267
15°	76923
20°	75200
25°	73186
30°	70887
35°	68149
40°	64711
45°	58846
50°	48584
55°	35769
60°	24276
65°	14215
70°	5604
75°	1282
80°	1627
85°	2819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	4.9
10°-20°	170.3	13.8
20°-30°	248.4	20.2
30°-40°	283.5	23.0
40°-50°	257.8	20.9
50°-60°	152.0	12.3
60°-70°	51.0	4.1
70°-80°	5.3	0.4
80°-90°	1.9	0.2
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°	479.5	39.0
0°-40°	763.0	62.0
0°-60°	1172.8	95.3
0°-90°	1231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	646	
5°	642	61
15°	605	170
25°	540	248
35°	454	284
45°	339	258
55°	167	152
65°	49	51
75°	3	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	646.4
2.5°	645.4
5°	641.7
7.5°	635.7
10°	627.4
12.5°	616.8
15°	604.8
17.5°	590.8
20°	575.2
22.5°	558.2
25°	539.9
27.5°	520.0
30°	499.7
32.5°	477.4
35°	454.4
37.5°	429.5
40°	403.5
42.5°	373.3
45°	338.7
47.5°	298.7
50°	254.2
52.5°	209.6
55°	167.0
57.5°	130.7
60°	98.8
62.5°	71.5
65°	48.9
67.5°	29.9
70°	15.6
72.5°	6.0
75°	2.7
77.5°	2.7
80°	2.3
82.5°	2.0
85°	2.0
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)